

ANALYTICAL REPORT

Job Number: 460-111006-1

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
5/25/2016 2:42 PM

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05/25/2016
Revision: 1

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Job Number: 460-111006-1

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
5/25/2016 2:42 PM

Melissa Haas

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Elmont546; Site: E130150

Report Number: 460-111006-1

Revision #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: 460-110006-1. Details are as follows: The client requested that ICVs be reported for SVOC analysis.

RECEIPT

The sample was received on 3/24/2016 8:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS

Sample A1 (460-111006-1) was analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 03/29/2016 and analyzed on 04/05/2016.

The continuing calibration verification (CCV) analyzed in batch 460-361786 was outside the method criteria for the following analyte(s): Terphenyl-d14 (Surr), 2,4-Dinitrophenol, 4-Nitrophenol, Isophorone, 4-Chloro-3-methylphenol, bis (2-chloroisopropyl) ether and Pyrene. 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.

For the MSD of sample 460-110936-36 in batch 460-361786, Several analytes failed the recovery criteria low. 2,2'-oxybis[1-chloropropane] failed the recovery criteria high. Also, Several analytes exceeded the RPD limit. Several analytes failed the recovery criteria low for the MS of sample 460-110936-36 in batch 460-361786. 2,2'-oxybis[1-chloropropane] failed the recovery criteria high.

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

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

METALS

Sample A1 (460-111006-1) was analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared and analyzed on 04/05/2016.

Antimony, Barium, Magnesium and Zinc failed the recovery criteria low for the MS of sample 460-111461-1 in batch 460-360851. Aluminum and Iron failed the recovery criteria high.

Refer to the QC report for details.

Sample A1 (460-111006-1)[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 A1 (460-111006-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 04/04/2016.

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: 460-111006-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-111006-1	A1	Solid	03/24/16 10:00	03/24/16 20:00

Detection Summary

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

TestAmerica Job ID: 460-111006-1

Client Sample ID: A1

Lab Sample ID: 460-111006-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthene	14	J	410	9.9	ug/Kg	1	☼		8270D	Total/NA
Acenaphthylene	15	J	410	10	ug/Kg	1	☼		8270D	Total/NA
Anthracene	62	J	410	39	ug/Kg	1	☼		8270D	Total/NA
Benzo[a]anthracene	230		41	34	ug/Kg	1	☼		8270D	Total/NA
Benzo[a]pyrene	220		41	12	ug/Kg	1	☼		8270D	Total/NA
Benzo[b]fluoranthene	280		41	16	ug/Kg	1	☼		8270D	Total/NA
Benzo[g,h,i]perylene	240	J	410	23	ug/Kg	1	☼		8270D	Total/NA
Benzo[k]fluoranthene	96		41	18	ug/Kg	1	☼		8270D	Total/NA
Carbazole	30	J	410	10	ug/Kg	1	☼		8270D	Total/NA
Chrysene	260	J	410	11	ug/Kg	1	☼		8270D	Total/NA
Dibenz(a,h)anthracene	41		41	21	ug/Kg	1	☼		8270D	Total/NA
Fluoranthene	440		410	12	ug/Kg	1	☼		8270D	Total/NA
Fluorene	24	J	410	8.9	ug/Kg	1	☼		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	230		41	27	ug/Kg	1	☼		8270D	Total/NA
Phenanthrene	310	J	410	11	ug/Kg	1	☼		8270D	Total/NA
Pyrene	370	J	410	19	ug/Kg	1	☼		8270D	Total/NA
Aluminum	5830		47.1	24.3	mg/Kg	4	☼		6010C	Total/NA
Arsenic	2.0	J	3.5	1.2	mg/Kg	4	☼		6010C	Total/NA
Barium	81.1		47.1	1.7	mg/Kg	4	☼		6010C	Total/NA
Calcium	837	J	1180	69.8	mg/Kg	4	☼		6010C	Total/NA
Chromium	8.9		2.4	1.1	mg/Kg	4	☼		6010C	Total/NA
Cobalt	2.8	J	11.8	1.4	mg/Kg	4	☼		6010C	Total/NA
Copper	8.5		5.9	1.5	mg/Kg	4	☼		6010C	Total/NA
Iron	11500		35.3	26.6	mg/Kg	4	☼		6010C	Total/NA
Lead	194		2.4	0.92	mg/Kg	4	☼		6010C	Total/NA
Magnesium	766	J	1180	58.8	mg/Kg	4	☼		6010C	Total/NA
Manganese	295		3.5	1.2	mg/Kg	4	☼		6010C	Total/NA
Nickel	11.2		9.4	1.7	mg/Kg	4	☼		6010C	Total/NA
Potassium	233	J	1180	35.7	mg/Kg	4	☼		6010C	Total/NA
Vanadium	9.7	J	11.8	1.2	mg/Kg	4	☼		6010C	Total/NA
Zinc	96.4		7.1	1.7	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: 460-111006-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Client Sample Results

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

TestAmerica Job ID: 460-111006-1

Client Sample ID: A1

Date Collected: 03/24/16 10:00

Date Received: 03/24/16 20:00

Lab Sample ID: 460-111006-1

Matrix: Solid

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	410	U	410	35	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
1,2,4,5-Tetrachlorobenzene	410	U	410	30	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,2'-oxybis[1-chloropropane]	410	U	410	17	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,3,4,6-Tetrachlorophenol	410	U	410	38	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,4,5-Trichlorophenol	410	U	410	41	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,4,6-Trichlorophenol	160	U	160	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,4-Dichlorophenol	160	U	160	9.6	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,4-Dimethylphenol	410	U	410	90	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,4-Dinitrophenol	330	U	330	310	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,4-Dinitrotoluene	83	U	83	16	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2,6-Dinitrotoluene	83	U	83	22	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2-Chloronaphthalene	410	U	410	9.3	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2-Chlorophenol	410	U	410	10	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2-Methylnaphthalene	410	U	410	9.0	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2-Methylphenol	410	U	410	18	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2-Nitroaniline	410	U	410	13	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
2-Nitrophenol	410	U	410	14	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
3,3'-Dichlorobenzidine	160	U	160	46	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
3-Nitroaniline	410	U	410	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
4,6-Dinitro-2-methylphenol	330	U	330	110	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
4-Bromophenyl phenyl ether	410	U	410	13	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
4-Chloro-3-methylphenol	410	U	410	18	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
4-Chloroaniline	410	U	410	10	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
4-Chlorophenyl phenyl ether	410	U	410	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
4-Methylphenol	410	U	410	11	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
4-Nitroaniline	410	U	410	15	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
4-Nitrophenol	830	U	830	200	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Acenaphthene	14	J	410	9.9	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Acenaphthylene	15	J	410	10	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Acetophenone	410	U	410	8.9	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Anthracene	62	J	410	39	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Atrazine	160	U	160	18	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Benzaldehyde	410	U	410	31	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Benzo[a]anthracene	230		41	34	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Benzo[a]pyrene	220		41	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Benzo[b]fluoranthene	280		41	16	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Benzo[g,h,i]perylene	240	J	410	23	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Benzo[k]fluoranthene	96		41	18	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Bis(2-chloroethoxy)methane	410	U	410	13	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Bis(2-chloroethyl)ether	41	U	41	9.6	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Bis(2-ethylhexyl) phthalate	410	U	410	16	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Butyl benzyl phthalate	410	U	410	13	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Caprolactam	410	U	410	29	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Carbazole	30	J	410	10	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Chrysene	260	J	410	11	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Dibenz(a,h)anthracene	41		41	21	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Dibenzofuran	410	U	410	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Diethyl phthalate	410	U	410	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Dimethyl phthalate	410	U	410	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111006-1

Client Sample ID: A1

Date Collected: 03/24/16 10:00

Date Received: 03/24/16 20:00

Lab Sample ID: 460-111006-1

Matrix: Solid

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	410	U	410	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Di-n-octyl phthalate	410	U	410	21	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Fluoranthene	440		410	12	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Fluorene	24 J		410	8.9	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Hexachlorobenzene	41	U	41	17	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Hexachlorobutadiene	83	U	83	11	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Hexachlorocyclopentadiene	410	U	410	25	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Hexachloroethane	41	U	41	15	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Indeno[1,2,3-cd]pyrene	230		41	27	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Isophorone	160	U	160	8.8	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Naphthalene	410	U	410	10	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Nitrobenzene	41	U	41	13	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
N-Nitrosodi-n-propylamine	41	U	41	14	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
N-Nitrosodiphenylamine	410	U	410	37	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Pentachlorophenol	330	U	330	49	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Phenanthrene	310 J		410	11	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Phenol	410	U	410	13	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1
Pyrene	370 J		410	19	ug/Kg	☼	03/29/16 12:53	04/05/16 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	52		10 - 95	03/29/16 12:53	04/05/16 14:24	1
2-Fluorobiphenyl	78		27 - 84	03/29/16 12:53	04/05/16 14:24	1
2-Fluorophenol (Surr)	59		21 - 84	03/29/16 12:53	04/05/16 14:24	1
Nitrobenzene-d5 (Surr)	73		28 - 92	03/29/16 12:53	04/05/16 14:24	1
Phenol-d5 (Surr)	64		22 - 88	03/29/16 12:53	04/05/16 14:24	1
Terphenyl-d14 (Surr)	78		16 - 114	03/29/16 12:53	04/05/16 14:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5830		47.1	24.3	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Antimony	4.7	U	4.7	1.9	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Arsenic	2.0 J		3.5	1.2	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Barium	81.1		47.1	1.7	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Beryllium	0.47	U	0.47	0.40	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Cadmium	0.94	U	0.94	0.49	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Calcium	837 J		1180	69.8	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Chromium	8.9		2.4	1.1	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Cobalt	2.8 J		11.8	1.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Copper	8.5		5.9	1.5	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Iron	11500		35.3	26.6	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Lead	194		2.4	0.92	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Magnesium	766 J		1180	58.8	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Manganese	295		3.5	1.2	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Nickel	11.2		9.4	1.7	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Potassium	233 J		1180	35.7	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Selenium	4.7	U	4.7	1.6	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Silver	2.4	U	2.4	0.42	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Sodium	1180	U	1180	79.8	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Thallium	4.7	U	4.7	2.1	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4
Vanadium	9.7 J		11.8	1.2	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111006-1

Client Sample ID: A1

Date Collected: 03/24/16 10:00

Date Received: 03/24/16 20:00

Lab Sample ID: 460-111006-1

Matrix: Solid

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	96.4		7.1	1.7	mg/Kg	☼	04/05/16 07:40	04/05/16 15:33	4

Surrogate Summary

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

TestAmerica Job ID: 460-111006-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (10-95)	FBP (27-84)	2FP (21-84)	NBZ (28-92)	PHL (22-88)	TPH (16-114)
460-110936-A-36-A MSD	Matrix Spike Duplicate	59	58	49	46	50	81
460-110936-C-36-C MS	Matrix Spike	62	63	52	50	53	92
460-111006-1	A1	52	78	59	73	64	78
LCS 460-359414/2-A	Lab Control Sample	86	76	69	76	75	96
LCS 460-359414/3-A	Lab Control Sample	83	74	70	77	74	97
MB 460-359414/1-A	Method Blank	77	64	61	66	68	90

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: 460-111006-1

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

Lab Sample ID: MB 460-359414/1-A

Matrix: Solid

Analysis Batch: 360592

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 359414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	330	U	330	28	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
1,2,4,5-Tetrachlorobenzene	330	U	330	25	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,2'-oxybis[1-chloropropane]	330	U	330	14	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,3,4,6-Tetrachlorophenol	330	U	330	31	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,4,5-Trichlorophenol	330	U	330	33	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,4,6-Trichlorophenol	130	U	130	9.4	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,4-Dichlorophenol	130	U	130	7.8	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,4-Dimethylphenol	330	U	330	73	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,4-Dinitrophenol	270	U	270	250	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2-Chlorophenol	330	U	330	8.4	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2-Methylphenol	330	U	330	14	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2-Nitroaniline	330	U	330	11	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
2-Nitrophenol	330	U	330	11	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
4,6-Dinitro-2-methylphenol	270	U	270	88	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
4-Chloro-3-methylphenol	330	U	330	14	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
4-Methylphenol	330	U	330	9.0	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
4-Nitroaniline	330	U	330	13	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
4-Nitrophenol	670	U	670	160	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Acenaphthene	330	U	330	8.0	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Acenaphthylene	330	U	330	8.5	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Acetophenone	330	U	330	7.2	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Anthracene	330	U	330	31	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Atrazine	130	U	130	15	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Benzaldehyde	330	U	330	25	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Caprolactam	330	U	330	24	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Carbazole	330	U	330	8.2	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Chrysene	330	U	330	9.0	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Dibenzofuran	330	U	330	10	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		03/29/16 12:53	04/04/16 15:25	1

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

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

Lab Sample ID: MB 460-359414/1-A

Matrix: Solid

Analysis Batch: 360592

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 359414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	330	U	330	9.6	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Fluoranthene	330	U	330	9.8	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Fluorene	330	U	330	7.2	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Hexachlorobenzene	33	U	33	13	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Hexachloroethane	33	U	33	12	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Isophorone	130	U	130	7.1	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Naphthalene	330	U	330	8.4	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Nitrobenzene	33	U	33	10	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Pentachlorophenol	270	U	270	40	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Phenanthrene	330	U	330	8.8	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Phenol	330	U	330	11	ug/Kg		03/29/16 12:53	04/04/16 15:25	1
Pyrene	330	U	330	15	ug/Kg		03/29/16 12:53	04/04/16 15:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		10 - 95	03/29/16 12:53	04/04/16 15:25	1
2-Fluorobiphenyl	64		27 - 84	03/29/16 12:53	04/04/16 15:25	1
2-Fluorophenol (Surr)	61		21 - 84	03/29/16 12:53	04/04/16 15:25	1
Nitrobenzene-d5 (Surr)	66		28 - 92	03/29/16 12:53	04/04/16 15:25	1
Phenol-d5 (Surr)	68		22 - 88	03/29/16 12:53	04/04/16 15:25	1
Terphenyl-d14 (Surr)	90		16 - 114	03/29/16 12:53	04/04/16 15:25	1

Lab Sample ID: LCS 460-359414/2-A

Matrix: Solid

Analysis Batch: 360592

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3330	2660		ug/Kg		80	64 - 103
1,2,4,5-Tetrachlorobenzene	3330	2460		ug/Kg		74	62 - 109
2,2'-oxybis[1-chloropropane]	3330	2700		ug/Kg		81	42 - 119
2,3,4,6-Tetrachlorophenol	3330	2740		ug/Kg		82	57 - 113
2,4,5-Trichlorophenol	3330	2430		ug/Kg		73	59 - 105
2,4,6-Trichlorophenol	3330	2590		ug/Kg		78	61 - 107
2,4-Dichlorophenol	3330	2570		ug/Kg		77	59 - 99
2,4-Dimethylphenol	3330	2580		ug/Kg		78	60 - 98
2,4-Dinitrophenol	6670	5790		ug/Kg		87	26 - 137
2,4-Dinitrotoluene	3330	3100		ug/Kg		93	61 - 118
2,6-Dinitrotoluene	3330	2900		ug/Kg		87	63 - 112
2-Chloronaphthalene	3330	2520		ug/Kg		76	63 - 102
2-Chlorophenol	3330	2500		ug/Kg		75	58 - 95
2-Methylnaphthalene	3330	2780		ug/Kg		83	64 - 102
2-Methylphenol	3330	2900		ug/Kg		87	56 - 99

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

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

Lab Sample ID: LCS 460-359414/2-A

Matrix: Solid

Analysis Batch: 360592

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	3330	2680		ug/Kg		80	46 - 113
2-Nitrophenol	3330	2590		ug/Kg		78	63 - 103
3,3'-Dichlorobenzidine	3330	1120		ug/Kg		34	18 - 92
3-Nitroaniline	3330	1270		ug/Kg		38	23 - 89
4,6-Dinitro-2-methylphenol	6670	5610		ug/Kg		84	51 - 124
4-Bromophenyl phenyl ether	3330	2940		ug/Kg		88	65 - 114
4-Chloro-3-methylphenol	3330	2950		ug/Kg		88	58 - 108
4-Chloroaniline	3330	909		ug/Kg		27	10 - 82
4-Chlorophenyl phenyl ether	3330	2920		ug/Kg		88	63 - 107
4-Methylphenol	3330	2860		ug/Kg		86	53 - 103
4-Nitroaniline	3330	2390		ug/Kg		72	44 - 109
4-Nitrophenol	6670	6120		ug/Kg		92	45 - 125
Acenaphthene	3330	2620		ug/Kg		78	59 - 102
Acenaphthylene	3330	2770		ug/Kg		83	63 - 102
Acetophenone	3330	2860		ug/Kg		86	56 - 107
Anthracene	3330	2850		ug/Kg		85	66 - 105
Benzo[a]anthracene	3330	2790		ug/Kg		84	65 - 106
Benzo[a]pyrene	3330	2900		ug/Kg		87	68 - 111
Benzo[b]fluoranthene	3330	3090		ug/Kg		93	67 - 116
Benzo[g,h,i]perylene	3330	2920		ug/Kg		88	49 - 124
Benzo[k]fluoranthene	3330	2720		ug/Kg		82	65 - 114
Bis(2-chloroethoxy)methane	3330	2660		ug/Kg		80	61 - 102
Bis(2-chloroethyl)ether	3330	2740		ug/Kg		82	58 - 102
Bis(2-ethylhexyl) phthalate	3330	3040		ug/Kg		91	60 - 125
Butyl benzyl phthalate	3330	2980		ug/Kg		89	62 - 123
Carbazole	3330	2790		ug/Kg		84	62 - 107
Chrysene	3330	2890		ug/Kg		87	64 - 105
Dibenz(a,h)anthracene	3330	2830		ug/Kg		85	54 - 126
Dibenzofuran	3330	2830		ug/Kg		85	62 - 102
Diethyl phthalate	3330	3000		ug/Kg		90	61 - 110
Dimethyl phthalate	3330	2840		ug/Kg		85	64 - 108
Di-n-butyl phthalate	3330	2920		ug/Kg		87	62 - 114
Di-n-octyl phthalate	3330	3260		ug/Kg		98	52 - 137
Fluoranthene	3330	2760		ug/Kg		83	59 - 109
Fluorene	3330	2900		ug/Kg		87	65 - 108
Hexachlorobenzene	3330	2980		ug/Kg		89	65 - 117
Hexachlorobutadiene	3330	2540		ug/Kg		76	60 - 105
Hexachlorocyclopentadiene	3330	2530		ug/Kg		76	37 - 119
Hexachloroethane	3330	2540		ug/Kg		76	60 - 94
Indeno[1,2,3-cd]pyrene	3330	2930		ug/Kg		88	50 - 134
Isophorone	3330	2880		ug/Kg		86	60 - 102
Naphthalene	3330	2910		ug/Kg		87	64 - 99
Nitrobenzene	3330	2660		ug/Kg		80	59 - 102
N-Nitrosodi-n-propylamine	3330	3040		ug/Kg		91	56 - 112
N-Nitrosodiphenylamine	3330	2690		ug/Kg		81	71 - 119
Pentachlorophenol	6670	5570		ug/Kg		84	47 - 115
Phenanthrene	3330	2820		ug/Kg		85	66 - 105
Phenol	3330	2610		ug/Kg		78	55 - 99

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

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

Lab Sample ID: LCS 460-359414/2-A

Matrix: Solid

Analysis Batch: 360592

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	3330	3110		ug/Kg		93	55 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	86		10 - 95
2-Fluorobiphenyl	76		27 - 84
2-Fluorophenol (Surr)	69		21 - 84
Nitrobenzene-d5 (Surr)	76		28 - 92
Phenol-d5 (Surr)	75		22 - 88
Terphenyl-d14 (Surr)	96		16 - 114

Lab Sample ID: LCS 460-359414/3-A

Matrix: Solid

Analysis Batch: 360592

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6670	5510		ug/Kg		83	41 - 116
Benzaldehyde	6670	5350		ug/Kg		80	55 - 116
Caprolactam	6670	6220		ug/Kg		93	44 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	83		10 - 95
2-Fluorobiphenyl	74		27 - 84
2-Fluorophenol (Surr)	70		21 - 84
Nitrobenzene-d5 (Surr)	77		28 - 92
Phenol-d5 (Surr)	74		22 - 88
Terphenyl-d14 (Surr)	97		16 - 114

Lab Sample ID: 460-110936-A-36-A MSD

Matrix: Solid

Analysis Batch: 361786

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1'-Biphenyl	380	U	3800	2360	*	ug/Kg	☼	62	64 - 103	8	30
1,2,4,5-Tetrachlorobenzene	380	U	3800	2120	*	ug/Kg	☼	56	62 - 109	10	30
2,2'-oxybis[1-chloropropane]	380	U	3800	4690	*	ug/Kg	☼	123	42 - 119	6	30
2,3,4,6-Tetrachlorophenol	380	U	3800	1780	*	ug/Kg	☼	47	57 - 113	7	30
2,4,5-Trichlorophenol	380	U	3800	1920	*	ug/Kg	☼	50	59 - 105	4	30
2,4,6-Trichlorophenol	150	U	3800	1820	*	ug/Kg	☼	48	61 - 107	8	30
2,4-Dichlorophenol	150	U	3800	1960	*	ug/Kg	☼	52	59 - 99	8	30
2,4-Dimethylphenol	380	U	3800	2020	*	ug/Kg	☼	53	60 - 98	7	30
2,4-Dinitrophenol	300	U	7610	640	*	ug/Kg	☼	8	26 - 137	61	30
2,4-Dinitrotoluene	76	U	3800	2400		ug/Kg	☼	63	61 - 118	3	30
2,6-Dinitrotoluene	76	U	3800	2470		ug/Kg	☼	65	63 - 112	3	30
2-Chloronaphthalene	380	U	3800	2290	*	ug/Kg	☼	60	63 - 102	10	30
2-Chlorophenol	380	U	3800	2200		ug/Kg	☼	58	58 - 95	7	30
2-Methylnaphthalene	380	U	3800	2700		ug/Kg	☼	71	64 - 102	8	30
2-Methylphenol	380	U	3800	2330		ug/Kg	☼	61	56 - 99	4	30
2-Nitroaniline	380	U	3800	2270		ug/Kg	☼	60	46 - 113	7	30

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

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

Lab Sample ID: 460-110936-A-36-A MSD

Matrix: Solid

Analysis Batch: 361786

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitrophenol	380	U	3800	1820	*	ug/Kg	☼	48	63 - 103	9	30
3,3'-Dichlorobenzidine	150	U	3800	371	*	ug/Kg	☼	10	18 - 92	56	30
3-Nitroaniline	380	U	3800	1150		ug/Kg	☼	30	23 - 89	12	30
4,6-Dinitro-2-methylphenol	300	U	7610	1530	*	ug/Kg	☼	20	51 - 124	55	30
4-Bromophenyl phenyl ether	380	U	3800	2510		ug/Kg	☼	66	65 - 114	12	30
4-Chloro-3-methylphenol	380	U	3800	1860	*	ug/Kg	☼	49	58 - 108	8	30
4-Chloroaniline	380	U	3800	603		ug/Kg	☼	16	10 - 82	10	30
4-Chlorophenyl phenyl ether	380	U	3800	2490		ug/Kg	☼	65	63 - 107	8	30
4-Methylphenol	380	U	3800	2160		ug/Kg	☼	57	53 - 103	6	30
4-Nitroaniline	380	U	3800	1670		ug/Kg	☼	44	44 - 109	1	30
4-Nitrophenol	760	U	7610	3050	*	ug/Kg	☼	40	45 - 125	31	30
Acenaphthene	380	U	3800	2150	*	ug/Kg	☼	57	59 - 102	8	30
Acenaphthylene	380	U	3800	2280	*	ug/Kg	☼	60	63 - 102	8	30
Acetophenone	380	U	3800	2190		ug/Kg	☼	58	56 - 107	5	30
Anthracene	380	U	3800	2300	*	ug/Kg	☼	61	66 - 105	11	30
Atrazine	150	U	7610	4340		ug/Kg	☼	57	41 - 116	3	30
Benzaldehyde	380	U	7610	3300	*	ug/Kg	☼	43	55 - 116	1	30
Benzo[a]anthracene	38	U	3800	2260	*	ug/Kg	☼	59	65 - 106	9	30
Benzo[a]pyrene	35	J	3800	2430	*	ug/Kg	☼	63	68 - 111	7	30
Benzo[b]fluoranthene	61		3800	2780		ug/Kg	☼	72	67 - 116	16	30
Benzo[g,h,i]perylene	23	J	3800	2260		ug/Kg	☼	59	49 - 124	22	30
Benzo[k]fluoranthene	24	J	3800	2700		ug/Kg	☼	70	65 - 114	15	30
Bis(2-chloroethoxy)methane	380	U	3800	2050	*	ug/Kg	☼	54	61 - 102	7	30
Bis(2-chloroethyl)ether	38	U	3800	2200		ug/Kg	☼	58	58 - 102	7	30
Bis(2-ethylhexyl) phthalate	57	J	3800	2560		ug/Kg	☼	66	60 - 125	3	30
Butyl benzyl phthalate	380	U	3800	2620		ug/Kg	☼	69	62 - 123	4	30
Caprolactam	380	U	7610	1200	*	ug/Kg	☼	16	44 - 129	51	30
Carbazole	380	U	3800	2110	*	ug/Kg	☼	56	62 - 107	6	30
Chrysene	58	J	3800	2410	*	ug/Kg	☼	62	64 - 105	10	30
Dibenz(a,h)anthracene	38	U	3800	2350		ug/Kg	☼	62	54 - 126	25	30
Dibenzofuran	380	U	3800	2360		ug/Kg	☼	62	62 - 102	7	30
Diethyl phthalate	380	U	3800	2430		ug/Kg	☼	64	61 - 110	2	30
Dimethyl phthalate	380	U	3800	2380	*	ug/Kg	☼	63	64 - 108	4	30
Di-n-butyl phthalate	380	U	3800	2310	*	ug/Kg	☼	61	62 - 114	1	30
Di-n-octyl phthalate	380	U	3800	2930		ug/Kg	☼	77	52 - 137	8	30
Fluoranthene	77	J	3800	2310		ug/Kg	☼	59	59 - 109	5	30
Fluorene	380	U	3800	2400	*	ug/Kg	☼	63	65 - 108	7	30
Hexachlorobenzene	38	U	3800	2830		ug/Kg	☼	74	65 - 117	11	30
Hexachlorobutadiene	76	U	3800	2030	*	ug/Kg	☼	53	60 - 105	10	30
Hexachlorocyclopentadiene	380	U	3800	1070	*	ug/Kg	☼	28	37 - 119	3	30
Hexachloroethane	38	U	3800	2060	*	ug/Kg	☼	54	60 - 94	6	30
Indeno[1,2,3-cd]pyrene	38	U	3800	2300		ug/Kg	☼	61	50 - 134	22	30
Isophorone	150	U	3800	2030	*	ug/Kg	☼	53	60 - 102	4	30
Naphthalene	13	J	3800	2210	*	ug/Kg	☼	58	64 - 99	7	30
Nitrobenzene	38	U	3800	1590	*	ug/Kg	☼	42	59 - 102	9	30
N-Nitrosodi-n-propylamine	38	U	3800	2220		ug/Kg	☼	58	56 - 112	5	30
N-Nitrosodiphenylamine	380	U	3800	2240	*	ug/Kg	☼	59	71 - 119	10	30
Pentachlorophenol	300	U	7610	2290	*	ug/Kg	☼	30	47 - 115	3	30

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

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

Lab Sample ID: 460-110936-A-36-A MSD

Matrix: Solid

Analysis Batch: 361786

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene	87	J	3800	2400	*	ug/Kg	☼	61	66 - 105	9	30
Phenol	380	U	3800	1930	*	ug/Kg	☼	51	55 - 99	6	30
Pyrene	130	J	3800	3130		ug/Kg	☼	79	55 - 126	13	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	59		10 - 95
2-Fluorobiphenyl	58		27 - 84
2-Fluorophenol (Surr)	49		21 - 84
Nitrobenzene-d5 (Surr)	46		28 - 92
Phenol-d5 (Surr)	50		22 - 88
Terphenyl-d14 (Surr)	81		16 - 114

Lab Sample ID: 460-110936-C-36-C MS

Matrix: Solid

Analysis Batch: 361786

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	380	U	3800	2570		ug/Kg	☼	68	64 - 103
1,2,4,5-Tetrachlorobenzene	380	U	3800	2340		ug/Kg	☼	62	62 - 109
2,2'-oxybis[1-chloropropane]	380	U	3800	4960	*	ug/Kg	☼	130	42 - 119
2,3,4,6-Tetrachlorophenol	380	U	3800	1910	*	ug/Kg	☼	50	57 - 113
2,4,5-Trichlorophenol	380	U	3800	2000	*	ug/Kg	☼	53	59 - 105
2,4,6-Trichlorophenol	150	U	3800	1980	*	ug/Kg	☼	52	61 - 107
2,4-Dichlorophenol	150	U	3800	2120	*	ug/Kg	☼	56	59 - 99
2,4-Dimethylphenol	380	U	3800	2150	*	ug/Kg	☼	57	60 - 98
2,4-Dinitrophenol	300	U	7610	342	*	ug/Kg	☼	4	26 - 137
2,4-Dinitrotoluene	76	U	3800	2480		ug/Kg	☼	65	61 - 118
2,6-Dinitrotoluene	76	U	3800	2560		ug/Kg	☼	67	63 - 112
2-Chloronaphthalene	380	U	3800	2520		ug/Kg	☼	66	63 - 102
2-Chlorophenol	380	U	3800	2350		ug/Kg	☼	62	58 - 95
2-Methylnaphthalene	380	U	3800	2940		ug/Kg	☼	77	64 - 102
2-Methylphenol	380	U	3800	2410		ug/Kg	☼	63	56 - 99
2-Nitroaniline	380	U	3800	2420		ug/Kg	☼	64	46 - 113
2-Nitrophenol	380	U	3800	1980	*	ug/Kg	☼	52	63 - 103
3,3'-Dichlorobenzidine	150	U	3800	210	*	ug/Kg	☼	6	18 - 92
3-Nitroaniline	380	U	3800	1020		ug/Kg	☼	27	23 - 89
4,6-Dinitro-2-methylphenol	300	U	7610	868	*	ug/Kg	☼	11	51 - 124
4-Bromophenyl phenyl ether	380	U	3800	2840		ug/Kg	☼	75	65 - 114
4-Chloro-3-methylphenol	380	U	3800	2020	*	ug/Kg	☼	53	58 - 108
4-Chloroaniline	380	U	3800	545		ug/Kg	☼	14	10 - 82
4-Chlorophenyl phenyl ether	380	U	3800	2700		ug/Kg	☼	71	63 - 107
4-Methylphenol	380	U	3800	2300		ug/Kg	☼	60	53 - 103
4-Nitroaniline	380	U	3800	1660		ug/Kg	☼	44	44 - 109
4-Nitrophenol	760	U	7610	2230	*	ug/Kg	☼	29	45 - 125
Acenaphthene	380	U	3800	2320		ug/Kg	☼	61	59 - 102
Acenaphthylene	380	U	3800	2460		ug/Kg	☼	65	63 - 102
Acetophenone	380	U	3800	2300		ug/Kg	☼	61	56 - 107
Anthracene	380	U	3800	2570		ug/Kg	☼	68	66 - 105

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

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

Lab Sample ID: 460-110936-C-36-C MS

Matrix: Solid

Analysis Batch: 361786

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 359414

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Atrazine	150	U	7610	4220		ug/Kg	☀	56	41 - 116
Benzaldehyde	380	U	7610	3260	*	ug/Kg	☀	43	55 - 116
Benzo[a]anthracene	38	U	3800	2470		ug/Kg	☀	65	65 - 106
Benzo[a]pyrene	35	J	3800	2620		ug/Kg	☀	68	68 - 111
Benzo[b]fluoranthene	61		3800	3250		ug/Kg	☀	84	67 - 116
Benzo[g,h,i]perylene	23	J	3800	2810		ug/Kg	☀	73	49 - 124
Benzo[k]fluoranthene	24	J	3800	3130		ug/Kg	☀	82	65 - 114
Bis(2-chloroethoxy)methane	380	U	3800	2190	*	ug/Kg	☀	58	61 - 102
Bis(2-chloroethyl)ether	38	U	3800	2350		ug/Kg	☀	62	58 - 102
Bis(2-ethylhexyl) phthalate	57	J	3800	2620		ug/Kg	☀	67	60 - 125
Butyl benzyl phthalate	380	U	3800	2520		ug/Kg	☀	66	62 - 123
Caprolactam	380	U	7610	716	*	ug/Kg	☀	9	44 - 129
Carbazole	380	U	3800	2240	*	ug/Kg	☀	59	62 - 107
Chrysene	58	J	3800	2650		ug/Kg	☀	68	64 - 105
Dibenz(a,h)anthracene	38	U	3800	3010		ug/Kg	☀	79	54 - 126
Dibenzofuran	380	U	3800	2530		ug/Kg	☀	67	62 - 102
Diethyl phthalate	380	U	3800	2470		ug/Kg	☀	65	61 - 110
Dimethyl phthalate	380	U	3800	2480		ug/Kg	☀	65	64 - 108
Di-n-butyl phthalate	380	U	3800	2290	*	ug/Kg	☀	60	62 - 114
Di-n-octyl phthalate	380	U	3800	3160		ug/Kg	☀	83	52 - 137
Fluoranthene	77	J	3800	2420		ug/Kg	☀	62	59 - 109
Fluorene	380	U	3800	2580		ug/Kg	☀	68	65 - 108
Hexachlorobenzene	38	U	3800	3170		ug/Kg	☀	83	65 - 117
Hexachlorobutadiene	76	U	3800	2250	*	ug/Kg	☀	59	60 - 105
Hexachlorocyclopentadiene	380	U	3800	1100	*	ug/Kg	☀	29	37 - 119
Hexachloroethane	38	U	3800	2200	*	ug/Kg	☀	58	60 - 94
Indeno[1,2,3-cd]pyrene	38	U	3800	2860		ug/Kg	☀	75	50 - 134
Isophorone	150	U	3800	2110	*	ug/Kg	☀	56	60 - 102
Naphthalene	13	J	3800	2380	*	ug/Kg	☀	62	64 - 99
Nitrobenzene	38	U	3800	1750	*	ug/Kg	☀	46	59 - 102
N-Nitrosodi-n-propylamine	38	U	3800	2330		ug/Kg	☀	61	56 - 112
N-Nitrosodiphenylamine	380	U	3800	2460	*	ug/Kg	☀	65	71 - 119
Pentachlorophenol	300	U	7610	2360	*	ug/Kg	☀	31	47 - 115
Phenanthrene	87	J	3800	2630		ug/Kg	☀	67	66 - 105
Phenol	380	U	3800	2040	*	ug/Kg	☀	54	55 - 99
Pyrene	130	J	3800	3570		ug/Kg	☀	91	55 - 126

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	62		10 - 95
2-Fluorobiphenyl	63		27 - 84
2-Fluorophenol (Surr)	52		21 - 84
Nitrobenzene-d5 (Surr)	50		28 - 92
Phenol-d5 (Surr)	53		22 - 88
Terphenyl-d14 (Surr)	92		16 - 114

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-360758/1-A ^2

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 360758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Antimony	2.0	U	2.0	0.79	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Barium	20.0	U	20.0	0.72	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Calcium	500	U	500	29.6	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Chromium	1.0	U	1.0	0.48	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Copper	2.5	U	2.5	0.65	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Iron	15.0	U	15.0	11.3	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Lead	1.0	U	1.0	0.39	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Magnesium	500	U	500	25.0	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Manganese	1.5	U	1.5	0.53	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Nickel	4.0	U	4.0	0.73	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Potassium	500	U	500	15.2	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Selenium	2.0	U	2.0	0.69	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Silver	1.0	U	1.0	0.18	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Sodium	500	U	500	33.9	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Thallium	2.0	U	2.0	0.89	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Zinc	3.0	U	3.0	0.73	mg/Kg		04/05/16 07:40	04/05/16 14:18	2

Lab Sample ID: LCSSRM 460-360758/2-A ^4

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 360758

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8080	6935		mg/Kg		85.8	51.1 - 148.5
Antimony	123	73.71		mg/Kg		59.9	1.0 - 200.0
Arsenic	145	135.1		mg/Kg		93.2	79.3 - 121.4
Barium	209	207.3		mg/Kg		99.2	83.3 - 117.2
Beryllium	97.3	92.76		mg/Kg		95.3	82.6 - 117.2
Cadmium	87.6	85.02		mg/Kg		97.1	82.6 - 117.6
Calcium	5690	5337		mg/Kg		93.8	81.0 - 118.8
Chromium	143	141.4		mg/Kg		98.8	79.7 - 119.6
Cobalt	154	152.5		mg/Kg		99.0	83.8 - 115.6
Copper	173	159.3		mg/Kg		92.1	81.5 - 117.9
Iron	15000	13160		mg/Kg		87.8	46.8 - 154.0

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

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

Lab Sample ID: LCSSRM 460-360758/2-A ^4

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 360758

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	146	151.8		mg/Kg		103.9	81.5 - 118.5
Magnesium	2640	2408		mg/Kg		91.2	76.5 - 123.5
Manganese	309	300.4		mg/Kg		97.2	81.6 - 118.8
Nickel	129	133.1		mg/Kg		103.2	82.9 - 117.1
Potassium	2400	2090		mg/Kg		87.1	71.7 - 128.3
Selenium	178	170.0		mg/Kg		95.5	78.7 - 121.3
Silver	31.3	27.80		mg/Kg		88.8	75.1 - 124.9
Sodium	869	742.9	J	mg/Kg		85.5	72.7 - 126.6
Thallium	141	144.7		mg/Kg		102.6	79.4 - 121.3
Vanadium	115	106.7		mg/Kg		92.8	77.6 - 122.6
Zinc	194	190.4		mg/Kg		98.1	82.0 - 118.0

Lab Sample ID: 460-111461-K-1-C MS

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 360758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5290		226	7336	4	mg/Kg	☼	903	75 - 125
Antimony	44.0	U	56.6	34.37	N	mg/Kg	☼	61	75 - 125
Arsenic	33.0	U	226	210.8		mg/Kg	☼	93	75 - 125
Barium	1030		226	879.2	4	mg/Kg	☼	-67	75 - 125
Beryllium	4.4	U	5.66	5.64		mg/Kg	☼	100	75 - 125
Cadmium	8.8	U	5.66	7.04		mg/Kg	☼	124	75 - 125
Chromium	14.7	J	22.6	40.01		mg/Kg	☼	112	75 - 125
Cobalt	110	U	56.6	57.31		mg/Kg	☼	101	75 - 125
Copper	19.7	J	28.3	45.58		mg/Kg	☼	91	75 - 125
Iron	11100		113	11430	4	mg/Kg	☼	279	75 - 125
Magnesium	23100		2260	20080	4	mg/Kg	☼	-134	75 - 125
Manganese	165		56.6	210.5		mg/Kg	☼	80	75 - 125
Nickel	88.0	U	56.6	62.79		mg/Kg	☼	111	75 - 125
Potassium	635	J	2260	2688		mg/Kg	☼	91	75 - 125
Selenium	44.0	U	226	212.6		mg/Kg	☼	94	75 - 125
Silver	22.0	U	5.66	5.15		mg/Kg	☼	91	75 - 125
Sodium	11000	U	2260	2178		mg/Kg	☼	96	75 - 125
Thallium	44.0	U	226	213.3		mg/Kg	☼	94	75 - 125
Vanadium	16.6	J	56.6	72.64		mg/Kg	☼	99	75 - 125
Zinc	576		56.6	472.3	4	mg/Kg	☼	-182	75 - 125

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111006-1

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

Lab Sample ID: 460-111461-K-1-B DU

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 360758

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Aluminum	5070		5298		mg/Kg	☼	4	20
Antimony	4.4	U	4.6	U	mg/Kg	☼	NC	20
Arsenic	4.6		4.43		mg/Kg	☼	4	20
Barium	970		1026		mg/Kg	☼	6	20
Beryllium	0.44	U	0.46	U	mg/Kg	☼	NC	20
Cadmium	1.9		2.06		mg/Kg	☼	6	20
Chromium	13.5		14.41		mg/Kg	☼	6	20
Cobalt	4.3	J	4.55	J	mg/Kg	☼	5	20
Copper	18.2		19.06		mg/Kg	☼	5	20
Iron	10300		10770		mg/Kg	☼	4	20
Magnesium	22600		23710		mg/Kg	☼	5	20
Manganese	154		160.6		mg/Kg	☼	4	20
Nickel	6.4	J	6.69	J	mg/Kg	☼	5	20
Potassium	592	J	629.8	J	mg/Kg	☼	6	20
Selenium	4.4	U	4.6	U	mg/Kg	☼	NC	20
Silver	2.2	U	2.3	U	mg/Kg	☼	NC	20
Sodium	196	J	203.9	J	mg/Kg	☼	4	20
Thallium	4.4	U	4.6	U	mg/Kg	☼	NC	20
Vanadium	15.7		16.66		mg/Kg	☼	6	20
Zinc	526		548.8		mg/Kg	☼	4	20

Definitions/Glossary

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

TestAmerica Job ID: 460-111006-1

Qualifiers

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
U	Indicates analyzed for but not detected.
J	Sample result is greater than the MDL but below the CRDL
N	PDS exceeds control limits
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: 460-111006-1

GC/MS Semi VOA

Prep Batch: 359414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-110936-A-36-A MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-110936-C-36-C MS	Matrix Spike	Total/NA	Solid	3546	
460-111006-1	A1	Total/NA	Solid	3546	
LCS 460-359414/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-359414/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-359414/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 360592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-359414/2-A	Lab Control Sample	Total/NA	Solid	8270D	359414
LCS 460-359414/3-A	Lab Control Sample	Total/NA	Solid	8270D	359414
MB 460-359414/1-A	Method Blank	Total/NA	Solid	8270D	359414

Analysis Batch: 360719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111006-1	A1	Total/NA	Solid	8270D	359414

Analysis Batch: 361786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-110936-A-36-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	359414
460-110936-C-36-C MS	Matrix Spike	Total/NA	Solid	8270D	359414

Metals

Prep Batch: 360758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111006-1	A1	Total/NA	Solid	3050B	
460-111461-K-1-A PDS	Post Spike	Total/NA	Solid	3050B	
460-111461-K-1-A SD	SD	Total/NA	Solid	3050B	
460-111461-K-1-B DU	Duplicate	Total/NA	Solid	3050B	
460-111461-K-1-C MS	Matrix Spike	Total/NA	Solid	3050B	
LCSSRM 460-360758/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-360758/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 360851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111006-1	A1	Total/NA	Solid	6010C	360758
460-111461-K-1-A PDS	Post Spike	Total/NA	Solid	6010C	360758
460-111461-K-1-A SD	SD	Total/NA	Solid	6010C	360758
460-111461-K-1-B DU	Duplicate	Total/NA	Solid	6010C	360758
460-111461-K-1-C MS	Matrix Spike	Total/NA	Solid	6010C	360758
ICSA 460-360851/10	ICS		Solid	6010C	
ICSAB 460-360851/11	ICS		Solid	6010C	
LCSSRM 460-360758/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	360758
MB 460-360758/1-A ^2	Method Blank	Total/NA	Solid	6010C	360758

QC Association Summary

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

TestAmerica Job ID: 460-111006-1

General Chemistry

Analysis Batch: 360646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111006-1	A1	Total/NA	Solid	Moisture	
460-111387-B-3 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 460-111006-1

Client Sample ID: A1

Date Collected: 03/24/16 10:00

Date Received: 03/24/16 20:00

Lab Sample ID: 460-111006-1

Matrix: Solid

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			359414	03/29/16 12:53	RAD	TAL EDI
Total/NA	Analysis	8270D		1	360719	04/05/16 14:24	CAZ	TAL EDI
Total/NA	Prep	3050B			360758	04/05/16 07:40	MDC	TAL EDI
Total/NA	Analysis	6010C		4	360851	04/05/16 15:33	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	360646	04/04/16 17:47	BMB	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: 460-111006-1

Laboratory: TestAmerica Edison

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

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-17
The following analytes are included in this report, but certification is not offered by the governing authority:				
Analysis Method	Prep Method	Matrix	Analyte	
Moisture		Solid	Percent Moisture	
Moisture		Solid	Percent Solids	

8270D

Semivolatile Organic Compounds
(GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 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 #
A1	460-111006-1	59	64	73	78	52	78
	MB 460-359414/1-A	61	68	66	64	77	90
	LCS 460-359414/2-A	69	75	76	76	86	96
	LCS 460-359414/3-A	70	74	77	74	83	97
	460-110936-C-36- C MS	52	53	50	63	62	92
	460-110936-A-36- A MSD	49	50	46	58	59	81

	<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.: 460-111006-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x12520.D
 Lab ID: LCS 460-359414/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3330	2660	80	64-103	
1,2,4,5-Tetrachlorobenzene	3330	2460	74	62-109	
2,2'-oxybis[1-chloropropane]	3330	2700	81	42-119	
2,3,4,6-Tetrachlorophenol	3330	2740	82	57-113	
2,4,5-Trichlorophenol	3330	2430	73	59-105	
2,4,6-Trichlorophenol	3330	2590	78	61-107	
2,4-Dichlorophenol	3330	2570	77	59-99	
2,4-Dimethylphenol	3330	2580	78	60-98	
2,4-Dinitrophenol	6670	5790	87	26-137	
2,4-Dinitrotoluene	3330	3100	93	61-118	
2,6-Dinitrotoluene	3330	2900	87	63-112	
2-Chloronaphthalene	3330	2520	76	63-102	
2-Chlorophenol	3330	2500	75	58-95	
2-Methylnaphthalene	3330	2780	83	64-102	
2-Methylphenol	3330	2900	87	56-99	
2-Nitroaniline	3330	2680	80	46-113	
2-Nitrophenol	3330	2590	78	63-103	
3,3'-Dichlorobenzidine	3330	1120	34	18-92	
3-Nitroaniline	3330	1270	38	23-89	
4,6-Dinitro-2-methylphenol	6670	5610	84	51-124	
4-Bromophenyl phenyl ether	3330	2940	88	65-114	
4-Chloro-3-methylphenol	3330	2950	88	58-108	
4-Chloroaniline	3330	909	27	10-82	
4-Chlorophenyl phenyl ether	3330	2920	88	63-107	
4-Methylphenol	3330	2860	86	53-103	
4-Nitroaniline	3330	2390	72	44-109	
4-Nitrophenol	6670	6120	92	45-125	
Acenaphthene	3330	2620	78	59-102	
Acenaphthylene	3330	2770	83	63-102	
Acetophenone	3330	2860	86	56-107	
Anthracene	3330	2850	85	66-105	
Benzo[a]anthracene	3330	2790	84	65-106	
Benzo[a]pyrene	3330	2900	87	68-111	
Benzo[b]fluoranthene	3330	3090	93	67-116	
Benzo[g,h,i]perylene	3330	2920	88	49-124	
Benzo[k]fluoranthene	3330	2720	82	65-114	
Bis(2-chloroethoxy)methane	3330	2660	80	61-102	
Bis(2-chloroethyl)ether	3330	2740	82	58-102	
Bis(2-ethylhexyl) phthalate	3330	3040	91	60-125	
Butyl benzyl phthalate	3330	2980	89	62-123	
Carbazole	3330	2790	84	62-107	
Chrysene	3330	2890	87	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.: 460-111006-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x12520.D
 Lab ID: LCS 460-359414/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dibenz (a,h) anthracene	3330	2830	85	54-126	
Dibenzofuran	3330	2830	85	62-102	
Diethyl phthalate	3330	3000	90	61-110	
Dimethyl phthalate	3330	2840	85	64-108	
Di-n-butyl phthalate	3330	2920	87	62-114	
Di-n-octyl phthalate	3330	3260	98	52-137	
Fluoranthene	3330	2760	83	59-109	
Fluorene	3330	2900	87	65-108	
Hexachlorobenzene	3330	2980	89	65-117	
Hexachlorobutadiene	3330	2540	76	60-105	
Hexachlorocyclopentadiene	3330	2530	76	37-119	
Hexachloroethane	3330	2540	76	60-94	
Indeno[1,2,3-cd]pyrene	3330	2930	88	50-134	
Isophorone	3330	2880	86	60-102	
Naphthalene	3330	2910	87	64-99	
Nitrobenzene	3330	2660	80	59-102	
N-Nitrosodi-n-propylamine	3330	3040	91	56-112	
N-Nitrosodiphenylamine	3330	2690	81	71-119	
Pentachlorophenol	6670	5570	84	47-115	
Phenanthrene	3330	2820	85	66-105	
Phenol	3330	2610	78	55-99	
Pyrene	3330	3110	93	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.: 460-111006-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: x12521.D
Lab ID: LCS 460-359414/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Atrazine	6670	5510	83	41-116	
Benzaldehyde	6670	5350	80	55-116	
Caprolactam	6670	6220	93	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.: 460-111006-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z4178464.D
Lab ID: 460-110936-C-36-C MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3800	380 U	2570	68	64-103	
1,2,4,5-Tetrachlorobenzene	3800	380 U	2340	62	62-109	
2,2'-oxybis[1-chloropropane]	3800	380 U	4960	130	42-119	*
2,3,4,6-Tetrachlorophenol	3800	380 U	1910	50	57-113	*
2,4,5-Trichlorophenol	3800	380 U	2000	53	59-105	*
2,4,6-Trichlorophenol	3800	150 U	1980	52	61-107	*
2,4-Dichlorophenol	3800	150 U	2120	56	59-99	*
2,4-Dimethylphenol	3800	380 U	2150	57	60-98	*
2,4-Dinitrophenol	7610	300 U	342	4	26-137	*
2,4-Dinitrotoluene	3800	76 U	2480	65	61-118	
2,6-Dinitrotoluene	3800	76 U	2560	67	63-112	
2-Chloronaphthalene	3800	380 U	2520	66	63-102	
2-Chlorophenol	3800	380 U	2350	62	58-95	
2-Methylnaphthalene	3800	380 U	2940	77	64-102	
2-Methylphenol	3800	380 U	2410	63	56-99	
2-Nitroaniline	3800	380 U	2420	64	46-113	
2-Nitrophenol	3800	380 U	1980	52	63-103	*
3,3'-Dichlorobenzidine	3800	150 U	210	6	18-92	*
3-Nitroaniline	3800	380 U	1020	27	23-89	
4,6-Dinitro-2-methylphenol	7610	300 U	868	11	51-124	*
4-Bromophenyl phenyl ether	3800	380 U	2840	75	65-114	
4-Chloro-3-methylphenol	3800	380 U	2020	53	58-108	*
4-Chloroaniline	3800	380 U	545	14	10-82	
4-Chlorophenyl phenyl ether	3800	380 U	2700	71	63-107	
4-Methylphenol	3800	380 U	2300	60	53-103	
4-Nitroaniline	3800	380 U	1660	44	44-109	
4-Nitrophenol	7610	760 U	2230	29	45-125	*
Acenaphthene	3800	380 U	2320	61	59-102	
Acenaphthylene	3800	380 U	2460	65	63-102	
Acetophenone	3800	380 U	2300	61	56-107	
Anthracene	3800	380 U	2570	68	66-105	
Atrazine	7610	150 U	4220	56	41-116	
Benzaldehyde	7610	380 U	3260	43	55-116	*
Benzo[a]anthracene	3800	38 U	2470	65	65-106	
Benzo[a]pyrene	3800	35 J	2620	68	68-111	
Benzo[b]fluoranthene	3800	61	3250	84	67-116	
Benzo[g,h,i]perylene	3800	23 J	2810	73	49-124	
Benzo[k]fluoranthene	3800	24 J	3130	82	65-114	
Bis(2-chloroethoxy)methane	3800	380 U	2190	58	61-102	*
Bis(2-chloroethyl)ether	3800	38 U	2350	62	58-102	
Bis(2-ethylhexyl) phthalate	3800	57 J	2620	67	60-125	
Butyl benzyl phthalate	3800	380 U	2520	66	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.: 460-111006-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z4178464.D
 Lab ID: 460-110936-C-36-C MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Caprolactam	7610	380 U	716	9	44-129	*
Carbazole	3800	380 U	2240	59	62-107	*
Chrysene	3800	58 J	2650	68	64-105	
Dibenz (a,h) anthracene	3800	38 U	3010	79	54-126	
Dibenzofuran	3800	380 U	2530	67	62-102	
Diethyl phthalate	3800	380 U	2470	65	61-110	
Dimethyl phthalate	3800	380 U	2480	65	64-108	
Di-n-butyl phthalate	3800	380 U	2290	60	62-114	*
Di-n-octyl phthalate	3800	380 U	3160	83	52-137	
Fluoranthene	3800	77 J	2420	62	59-109	
Fluorene	3800	380 U	2580	68	65-108	
Hexachlorobenzene	3800	38 U	3170	83	65-117	
Hexachlorobutadiene	3800	76 U	2250	59	60-105	*
Hexachlorocyclopentadiene	3800	380 U	1100	29	37-119	*
Hexachloroethane	3800	38 U	2200	58	60-94	*
Indeno[1,2,3-cd]pyrene	3800	38 U	2860	75	50-134	
Isophorone	3800	150 U	2110	56	60-102	*
Naphthalene	3800	13 J	2380	62	64-99	*
Nitrobenzene	3800	38 U	1750	46	59-102	*
N-Nitrosodi-n-propylamine	3800	38 U	2330	61	56-112	
N-Nitrosodiphenylamine	3800	380 U	2460	65	71-119	*
Pentachlorophenol	7610	300 U	2360	31	47-115	*
Phenanthrene	3800	87 J	2630	67	66-105	
Phenol	3800	380 U	2040	54	55-99	*
Pyrene	3800	130 J	3570	91	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.: 460-111006-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z4178465.D
Lab ID: 460-110936-A-36-A MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	3800	2360	62	8	30	64-103	*
1,2,4,5-Tetrachlorobenzene	3800	2120	56	10	30	62-109	*
2,2'-oxybis[1-chloropropane]	3800	4690	123	6	30	42-119	*
2,3,4,6-Tetrachlorophenol	3800	1780	47	7	30	57-113	*
2,4,5-Trichlorophenol	3800	1920	50	4	30	59-105	*
2,4,6-Trichlorophenol	3800	1820	48	8	30	61-107	*
2,4-Dichlorophenol	3800	1960	52	8	30	59-99	*
2,4-Dimethylphenol	3800	2020	53	7	30	60-98	*
2,4-Dinitrophenol	7610	640	8	61	30	26-137	*
2,4-Dinitrotoluene	3800	2400	63	3	30	61-118	
2,6-Dinitrotoluene	3800	2470	65	3	30	63-112	
2-Chloronaphthalene	3800	2290	60	10	30	63-102	*
2-Chlorophenol	3800	2200	58	7	30	58-95	
2-Methylnaphthalene	3800	2700	71	8	30	64-102	
2-Methylphenol	3800	2330	61	4	30	56-99	
2-Nitroaniline	3800	2270	60	7	30	46-113	
2-Nitrophenol	3800	1820	48	9	30	63-103	*
3,3'-Dichlorobenzidine	3800	371	10	56	30	18-92	*
3-Nitroaniline	3800	1150	30	12	30	23-89	
4,6-Dinitro-2-methylphenol	7610	1530	20	55	30	51-124	*
4-Bromophenyl phenyl ether	3800	2510	66	12	30	65-114	
4-Chloro-3-methylphenol	3800	1860	49	8	30	58-108	*
4-Chloroaniline	3800	603	16	10	30	10-82	
4-Chlorophenyl phenyl ether	3800	2490	65	8	30	63-107	
4-Methylphenol	3800	2160	57	6	30	53-103	
4-Nitroaniline	3800	1670	44	1	30	44-109	
4-Nitrophenol	7610	3050	40	31	30	45-125	*
Acenaphthene	3800	2150	57	8	30	59-102	*
Acenaphthylene	3800	2280	60	8	30	63-102	*
Acetophenone	3800	2190	58	5	30	56-107	
Anthracene	3800	2300	61	11	30	66-105	*
Atrazine	7610	4340	57	3	30	41-116	
Benzaldehyde	7610	3300	43	1	30	55-116	*
Benzo[a]anthracene	3800	2260	59	9	30	65-106	*
Benzo[a]pyrene	3800	2430	63	7	30	68-111	*
Benzo[b]fluoranthene	3800	2780	72	16	30	67-116	
Benzo[g,h,i]perylene	3800	2260	59	22	30	49-124	
Benzo[k]fluoranthene	3800	2700	70	15	30	65-114	
Bis(2-chloroethoxy)methane	3800	2050	54	7	30	61-102	*
Bis(2-chloroethyl)ether	3800	2200	58	7	30	58-102	
Bis(2-ethylhexyl) phthalate	3800	2560	66	3	30	60-125	
Butyl benzyl phthalate	3800	2620	69	4	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.: 460-111006-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z4178465.D
 Lab ID: 460-110936-A-36-A MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	7610	1200	16	51	30	44-129	*
Carbazole	3800	2110	56	6	30	62-107	*
Chrysene	3800	2410	62	10	30	64-105	*
Dibenz (a,h) anthracene	3800	2350	62	25	30	54-126	
Dibenzofuran	3800	2360	62	7	30	62-102	
Diethyl phthalate	3800	2430	64	2	30	61-110	
Dimethyl phthalate	3800	2380	63	4	30	64-108	*
Di-n-butyl phthalate	3800	2310	61	1	30	62-114	*
Di-n-octyl phthalate	3800	2930	77	8	30	52-137	
Fluoranthene	3800	2310	59	5	30	59-109	
Fluorene	3800	2400	63	7	30	65-108	*
Hexachlorobenzene	3800	2830	74	11	30	65-117	
Hexachlorobutadiene	3800	2030	53	10	30	60-105	*
Hexachlorocyclopentadiene	3800	1070	28	3	30	37-119	*
Hexachloroethane	3800	2060	54	6	30	60-94	*
Indeno[1,2,3-cd]pyrene	3800	2300	61	22	30	50-134	
Isophorone	3800	2030	53	4	30	60-102	*
Naphthalene	3800	2210	58	7	30	64-99	*
Nitrobenzene	3800	1590	42	9	30	59-102	*
N-Nitrosodi-n-propylamine	3800	2220	58	5	30	56-112	
N-Nitrosodiphenylamine	3800	2240	59	10	30	71-119	*
Pentachlorophenol	7610	2290	30	3	30	47-115	*
Phenanthrene	3800	2400	61	9	30	66-105	*
Phenol	3800	1930	51	6	30	55-99	*
Pyrene	3800	3130	79	13	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.: 460-111006-1
SDG No.: _____
Lab File ID: x12519.D Lab Sample ID: MB 460-359414/1-A
Matrix: Solid Date Extracted: 03/29/2016 12:53
Instrument ID: CBNAMS5 Date Analyzed: 04/04/2016 15:25
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-359414/2-A	x12520.D	04/04/2016 15:49
	LCS 460-359414/3-A	x12521.D	04/04/2016 16:13
A1	460-111006-1	x12563.D	04/05/2016 14:24
	460-110936-C-36-C MS	z4178464.D	04/11/2016 13:09
	460-110936-A-36-A MSD	z4178465.D	04/11/2016 13:34

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

Lab Name: TestAmerica Edison Job No.: 460-111006-1
SDG No.: _____
Lab File ID: z4178270.D DFTPP Injection Date: 04/06/2016
Instrument ID: CBNAMS11 DFTPP Injection Time: 12:25
Analysis Batch No.: 361066

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	35.8
68	Less than 2.0 % of mass 69	0.4 (0.9) 1
69	Mass 69 relative abundance	45.0
70	Less than 2.0 % of mass 69	0.9 (2.0) 1
127	40.0 - 60.0 % of mass 198	47.2
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	7.8
275	10.0 - 30.0 % of mass 198	29.7
365	Greater than 1.0 % of mass 198	3.5
441	Present but less than mass 443	10.3 (78.1) 3
442	Greater than 40.0 % of mass 198	65.3
443	17.0 - 23.0 % of mass 442	13.2 (20.2) 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 460-361066/2	z4178271.D	04/06/2016	12:45
	STD120 460-361066/3	z4178272.D	04/06/2016	13:16
	STD80 460-361066/4	z4178273.D	04/06/2016	13:40
	STD20 460-361066/5	z4178274.D	04/06/2016	14:04
	STD10 460-361066/6	z4178275.D	04/06/2016	14:28
	STD5 460-361066/7	z4178276.D	04/06/2016	14:52
	STD2 460-361066/8	z4178277.D	04/06/2016	15:16
	STD1 460-361066/9	z4178278.D	04/06/2016	15:41
	STD05 460-361066/10	z4178279.D	04/06/2016	16:05
	STD50 460-361066/11	z4178280.D	04/06/2016	16:29
	STD120 460-361066/12	z4178281.D	04/06/2016	16:53
	STD80 460-361066/13	z4178282.D	04/06/2016	17:17
	STD20 460-361066/14	z4178283.D	04/06/2016	17:41
	STD10 460-361066/15	z4178284.D	04/06/2016	18:05
	STD5 460-361066/16	z4178285.D	04/06/2016	18:30
	STD2 460-361066/17	z4178286.D	04/06/2016	18:54

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

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Lab File ID: z4178450.D DFTPP Injection Date: 04/11/2016
 Instrument ID: CBNAMS11 DFTPP Injection Time: 07:34
 Analysis Batch No.: 361786

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	48.5
68	Less than 2.0 % of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.4
70	Less than 2.0 % of mass 69	0.2 (0.4) 1
127	40.0 - 60.0 % of mass 198	45.0
197	Less than 1.0 % of mass 198	1.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.5
275	10.0 - 30.0 % of mass 198	29.6
365	Greater than 1.0 % of mass 198	4.7
441	Present but less than mass 443	15.7 (73.5) 3
442	Greater than 40.0 % of mass 198	115.0
443	17.0 - 23.0 % of mass 442	21.3 (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 460-361786/2	z4178451.D	04/11/2016	07:49
	CCV 460-361786/3	z4178452.D	04/11/2016	08:17
	460-110936-C-36-C MS	z4178464.D	04/11/2016	13:09
	460-110936-A-36-A MSD	z4178465.D	04/11/2016	13:34

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

Lab Name: TestAmerica Edison Job No.: 460-111006-1
SDG No.: _____
Lab File ID: x12330.D DFTPP Injection Date: 03/31/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 04:03
Analysis Batch No.: 359755

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	39.3
68	Less than 2.0 % of mass 69	0.2 (0.4) 1
69	Mass 69 relative abundance	46.8
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	52.4
197	Less than 1.0 % of mass 198	0.4
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	25.9
365	Greater than 1.0 % of mass 198	3.2
441	Present but less than mass 443	9.9 (81.9) 3
442	Greater than 40.0 % of mass 198	63.6
443	17.0 - 23.0 % of mass 442	12.1 (19.1) 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 460-359755/2	x12331.D	03/31/2016	04:19
	STD120 460-359755/3	x12332.D	03/31/2016	04:44
	STD80 460-359755/4	x12333.D	03/31/2016	05:09
	STD20 460-359755/5	x12334.D	03/31/2016	05:34
	STD10 460-359755/6	x12335.D	03/31/2016	05:58
	STD5 460-359755/7	x12336.D	03/31/2016	06:23
	STD2 460-359755/8	x12337.D	03/31/2016	06:47
	STD1 460-359755/9	x12338.D	03/31/2016	07:11
	STD05 460-359755/10	x12339.D	03/31/2016	07:35
	STD50 460-359755/11	x12340.D	03/31/2016	08:00
	STD120 460-359755/12	x12341.D	03/31/2016	08:24
	STD80 460-359755/13	x12342.D	03/31/2016	08:48
	STD20 460-359755/14	x12343.D	03/31/2016	09:13
	STD10 460-359755/15	x12344.D	03/31/2016	09:37
	STD5 460-359755/16	x12345.D	03/31/2016	10:02
	STD2 460-359755/17	x12346.D	03/31/2016	10:26
	ICV 460-359755/18	x12347.D	03/31/2016	10:50
	ICV 460-359755/19	x12348.D	03/31/2016	11:15

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

Lab Name: TestAmerica Edison Job No.: 460-111006-1
SDG No.: _____
Lab File ID: x12516b.D DFTPP Injection Date: 04/04/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 14:08
Analysis Batch No.: 360592

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	44.0
68	Less than 2.0 % of mass 69	0.7 (1.4) 1
69	Mass 69 relative abundance	49.6
70	Less than 2.0 % of mass 69	0.4 (0.8) 1
127	40.0 - 60.0 % of mass 198	55.6
197	Less than 1.0 % of mass 198	0.8
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.2
275	10.0 - 30.0 % of mass 198	28.0
365	Greater than 1.0 % of mass 198	4.7
441	Present but less than mass 443	11.5 (84.4) 3
442	Greater than 40.0 % of mass 198	68.8
443	17.0 - 23.0 % of mass 442	13.6 (19.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-360592/2	x12517.D	04/04/2016	14:23
	CCV 460-360592/3	x12518.D	04/04/2016	14:59
	MB 460-359414/1-A	x12519.D	04/04/2016	15:25
	LCS 460-359414/2-A	x12520.D	04/04/2016	15:49
	LCS 460-359414/3-A	x12521.D	04/04/2016	16:13

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

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Lab File ID: x12549f.D DFTPP Injection Date: 04/05/2016
 Instrument ID: CBNAMS5 DFTPP Injection Time: 07:31
 Analysis Batch No.: 360719

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	46.4
68	Less than 2.0 % of mass 69	0.6 (1.1) 1
69	Mass 69 relative abundance	54.6
70	Less than 2.0 % of mass 69	0.3 (0.5) 1
127	40.0 - 60.0 % of mass 198	58.6
197	Less than 1.0 % of mass 198	0.1
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.3
275	10.0 - 30.0 % of mass 198	26.5
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	9.1 (89.3) 3
442	Greater than 40.0 % of mass 198	58.1
443	17.0 - 23.0 % of mass 442	10.2 (17.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-360719/2	x12550a.D	04/05/2016	08:15
	CCV 460-360719/3	x12551.D	04/05/2016	08:45
A1	460-111006-1	x12563.D	04/05/2016	14:24

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

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Sample No.: CCVIS 460-361786/2 Date Analyzed: 04/11/2016 07:49
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z4178451.D Heated Purge: (Y/N) N
 Calibration ID: 55201

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		264884	4.43	898174	5.72	408732	7.47
UPPER LIMIT		529768	4.93	1796348	6.22	817464	7.97
LOWER LIMIT		132442	3.93	449087	5.22	204366	6.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-110936-C-36-C MS		246008	4.44	910732	5.72	468536	7.47
460-110936-A-36-A MSD		252061	4.44	953584	5.72	502443	7.47

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.: 460-111006-1
 SDG No.: _____
 Sample No.: CCVIS 460-361786/2 Date Analyzed: 04/11/2016 07:49
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z4178451.D Heated Purge: (Y/N) N
 Calibration ID: 55201

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		534220	8.93	248321	11.71	170687	13.65
UPPER LIMIT		1068440	9.43	496642	12.21	341374	14.15
LOWER LIMIT		267110	8.43	124161	11.21	85344	13.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-110936-C-36-C MS		659211	8.93	314889	11.72	167723	13.65
460-110936-A-36-A MSD		739591	8.94	383791	11.72	207840	13.65

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.: 460-111006-1
 SDG No.: _____
 Sample No.: ICIS 460-359755/2 Date Analyzed: 03/31/2016 04:19
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12331.D Heated Purge: (Y/N) N
 Calibration ID: 55117

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	1924346	4.55	6450559	5.83	2468764	7.58
UPPER LIMIT	3848692	5.05	12901118	6.33	4937528	8.08
LOWER LIMIT	962173	4.05	3225280	5.33	1234382	7.08
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 460-359755/18		2023995	4.55	6916357	5.83	2765491 7.59
ICV 460-359755/19		2056674	4.55	7397912	5.83	3093834 7.58

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.: 460-111006-1
 SDG No.: _____
 Sample No.: ICIS 460-359755/2 Date Analyzed: 03/31/2016 04:19
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12331.D Heated Purge: (Y/N) N
 Calibration ID: 55117

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	2752461	9.04	1529350	11.87	1268837	13.85
UPPER LIMIT	5504922	9.54	3058700	12.37	2537674	14.35
LOWER LIMIT	1376231	8.54	764675	11.37	634419	13.35
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 460-359755/18		3040604	9.05	1550746	11.87	1138538
ICV 460-359755/19		3738108	9.05	1599560	11.87	1121706

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.: 460-111006-1
 SDG No.: _____
 Sample No.: CCVIS 460-360592/2 Date Analyzed: 04/04/2016 14:23
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12517.D Heated Purge: (Y/N) N
 Calibration ID: 55122

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	1488288	4.41	5292287	5.69	2310425	7.44	
UPPER LIMIT	2976576	4.91	10584574	6.19	4620850	7.94	
LOWER LIMIT	744144	3.91	2646144	5.19	1155213	6.94	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-359414/1-A		1903788	4.40	7634686	5.68	3879951	7.44
LCS 460-359414/2-A		1776708	4.41	6720175	5.69	3239986	7.45
LCS 460-359414/3-A		1731120	4.40	6834160	5.69	3367159	7.44

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.: 460-111006-1
 SDG No.: _____
 Sample No.: CCVIS 460-360592/2 Date Analyzed: 04/04/2016 14:23
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12517.D Heated Purge: (Y/N) N
 Calibration ID: 55122

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2802103	8.90	1244722	11.69	871417	13.63
UPPER LIMIT		5604206	9.40	2489444	12.19	1742834	14.13
LOWER LIMIT		1401052	8.40	622361	11.19	435709	13.13
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-359414/1-A		5477762	8.90	2376137	11.69	1389156	13.63
LCS 460-359414/2-A		4058164	8.90	1866344	11.69	1244292	13.64
LCS 460-359414/3-A		4582422	8.90	2113513	11.69	1290811	13.63

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.: 460-111006-1
 SDG No.: _____
 Sample No.: CCVIS 460-360719/2 Date Analyzed: 04/05/2016 08:15
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12550a.D Heated Purge: (Y/N) N
 Calibration ID: 55122

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1632978	4.37	5528483	5.65	2190243	7.40
UPPER LIMIT	3265956	4.87	11056966	6.15	4380486	7.90
LOWER LIMIT	816489	3.87	2764242	5.15	1095122	6.90
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-111006-1	A1		1518768	4.36	5360919	5.65
					2227535	7.40

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.: 460-111006-1
 SDG No.: _____
 Sample No.: CCVIS 460-360719/2 Date Analyzed: 04/05/2016 08:15
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12550a.D Heated Purge: (Y/N) N
 Calibration ID: 55122

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	2674893	8.87	1420001	11.63	1041016	13.54
UPPER LIMIT	5349786	9.37	2840002	12.13	2082032	14.04
LOWER LIMIT	1337447	8.37	710001	11.13	520508	13.04
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-111006-1	A1		2481838	8.86	1277595	11.62
					1154599	13.54

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>460-111006-1</u>
SDG No.: _____	
Client Sample ID: <u>A1</u>	Lab Sample ID: <u>460-111006-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12563.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/24/2016 10:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0231(g)</u>	Date Analyzed: <u>04/05/2016 14:24</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>19.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	410	U	410	35
95-94-3	1,2,4,5-Tetrachlorobenzene	410	U	410	30
108-60-1	2,2'-oxybis[1-chloropropane]	410	U	410	17
58-90-2	2,3,4,6-Tetrachlorophenol	410	U	410	38
95-95-4	2,4,5-Trichlorophenol	410	U	410	41
88-06-2	2,4,6-Trichlorophenol	160	U	160	12
120-83-2	2,4-Dichlorophenol	160	U	160	9.6
105-67-9	2,4-Dimethylphenol	410	U	410	90
51-28-5	2,4-Dinitrophenol	330	U	330	310
121-14-2	2,4-Dinitrotoluene	83	U	83	16
606-20-2	2,6-Dinitrotoluene	83	U	83	22
91-58-7	2-Chloronaphthalene	410	U	410	9.3
95-57-8	2-Chlorophenol	410	U	410	10
91-57-6	2-Methylnaphthalene	410	U	410	9.0
95-48-7	2-Methylphenol	410	U	410	18
88-74-4	2-Nitroaniline	410	U	410	13
88-75-5	2-Nitrophenol	410	U	410	14
91-94-1	3,3'-Dichlorobenzidine	160	U	160	46
99-09-2	3-Nitroaniline	410	U	410	12
534-52-1	4,6-Dinitro-2-methylphenol	330	U	330	110
101-55-3	4-Bromophenyl phenyl ether	410	U	410	13
59-50-7	4-Chloro-3-methylphenol	410	U	410	18
106-47-8	4-Chloroaniline	410	U	410	10
7005-72-3	4-Chlorophenyl phenyl ether	410	U	410	12
106-44-5	4-Methylphenol	410	U	410	11
100-01-6	4-Nitroaniline	410	U	410	15
100-02-7	4-Nitrophenol	830	U	830	200
83-32-9	Acenaphthene	14	J	410	9.9
208-96-8	Acenaphthylene	15	J	410	10
98-86-2	Acetophenone	410	U	410	8.9
120-12-7	Anthracene	62	J	410	39
1912-24-9	Atrazine	160	U	160	18
100-52-7	Benzaldehyde	410	U	410	31
56-55-3	Benzo[a]anthracene	230		41	34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: <u>A1</u>	Lab Sample ID: <u>460-111006-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12563.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/24/2016 10:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0231(g)</u>	Date Analyzed: <u>04/05/2016 14:24</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>19.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	220		41	12
205-99-2	Benzo[b]fluoranthene	280		41	16
191-24-2	Benzo[g,h,i]perylene	240	J	410	23
207-08-9	Benzo[k]fluoranthene	96		41	18
111-91-1	Bis(2-chloroethoxy)methane	410	U	410	13
111-44-4	Bis(2-chloroethyl)ether	41	U	41	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	410	U	410	16
85-68-7	Butyl benzyl phthalate	410	U	410	13
105-60-2	Caprolactam	410	U	410	29
86-74-8	Carbazole	30	J	410	10
218-01-9	Chrysene	260	J	410	11
53-70-3	Dibenz(a,h)anthracene	41		41	21
132-64-9	Dibenzofuran	410	U	410	12
84-66-2	Diethyl phthalate	410	U	410	12
131-11-3	Dimethyl phthalate	410	U	410	12
84-74-2	Di-n-butyl phthalate	410	U	410	12
117-84-0	Di-n-octyl phthalate	410	U	410	21
206-44-0	Fluoranthene	440		410	12
86-73-7	Fluorene	24	J	410	8.9
118-74-1	Hexachlorobenzene	41	U	41	17
87-68-3	Hexachlorobutadiene	83	U	83	11
77-47-4	Hexachlorocyclopentadiene	410	U	410	25
67-72-1	Hexachloroethane	41	U	41	15
193-39-5	Indeno[1,2,3-cd]pyrene	230		41	27
78-59-1	Isophorone	160	U	160	8.8
91-20-3	Naphthalene	410	U	410	10
98-95-3	Nitrobenzene	41	U	41	13
621-64-7	N-Nitrosodi-n-propylamine	41	U	41	14
86-30-6	N-Nitrosodiphenylamine	410	U	410	37
87-86-5	Pentachlorophenol	330	U	330	49
85-01-8	Phenanthrene	310	J	410	11
108-95-2	Phenol	410	U	410	13
129-00-0	Pyrene	370	J	410	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111006-1
SDG No.: _____
Client Sample ID: A1 Lab Sample ID: 460-111006-1
Matrix: Solid Lab File ID: x12563.D
Analysis Method: 8270D Date Collected: 03/24/2016 10:00
Extract. Method: 3546 Date Extracted: 03/29/2016 12:53
Sample wt/vol: 15.0231(g) Date Analyzed: 04/05/2016 14:24
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 19.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 360719 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	52		10-95
321-60-8	2-Fluorobiphenyl	78		27-84
367-12-4	2-Fluorophenol (Surr)	59		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	73		28-92
4165-62-2	Phenol-d5 (Surr)	64		22-88
1718-51-0	Terphenyl-d14 (Surr)	78		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D
 Lims ID: 460-111006-A-1-A Lab Sample ID: 460-111006-1
 Client ID: A1
 Sample Type: Client
 Inject. Date: 05-Apr-2016 14:24:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-015
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 15:24:50 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: bayoumiw

Date: 05-Apr-2016 15:24:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.128	3.087	0.041	94	1655146	29.6	
\$ 6 Phenol-d5	99	4.004	4.022	-0.018	88	2004746	31.9	
* 14 1,4-Dichlorobenzene-d4	152	4.363	4.369	-0.006	98	1518768	40.0	
\$ 26 Nitrobenzene-d5	82	4.916	4.934	-0.018	88	2055643	36.3	
* 38 Naphthalene-d8	136	5.645	5.651	-0.006	99	5360919	40.0	
39 Naphthalene	128	5.663	5.675	-0.012	37	13955	0.1099	
\$ 51 2-Fluorobiphenyl	172	6.734	6.739	-0.005	98	3265451	39.0	
61 Acenaphthylene	152	7.257	7.263	-0.006	96	17761	0.1880	
* 65 Acenaphthene-d10	164	7.398	7.404	-0.006	93	2227535	40.0	
67 Acenaphthene	154	7.428	7.439	-0.011	93	11512	0.1709	
71 Dibenzofuran	168	7.598	7.610	-0.012	92	11077	0.1308	
75 Fluorene	166	7.939	7.945	-0.006	96	18873	0.2855	
\$ 80 2,4,6-Tribromophenol	330	8.180	8.186	-0.006	93	204462	26.1	
* 88 Phenanthrene-d10	188	8.863	8.869	-0.006	99	2481838	40.0	
89 Phenanthrene	178	8.886	8.892	-0.006	98	262906	3.71	
90 Anthracene	178	8.933	8.945	-0.012	98	53852	0.7532	
91 Carbazole	167	9.098	9.104	-0.006	96	20626	0.3690	
93 Fluoranthene	202	10.063	10.063	0.000	98	309363	5.38	
95 Pyrene	202	10.286	10.286	0.000	98	245989	4.51	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	1470651	39.0	
101 Benzo[a]anthracene	228	11.610	11.616	-0.006	98	112148	2.80	
* 102 Chrysene-d12	240	11.621	11.627	-0.006	100	1277595	40.0	
103 Chrysene	228	11.651	11.663	-0.012	97	110384	3.11	
106 Benzo[b]fluoranthene	252	13.015	13.021	-0.006	98	122810	3.41	
107 Benzo[k]fluoranthene	252	13.051	13.057	-0.006	93	44348	1.16	M
108 Benzo[a]pyrene	252	13.457	13.462	-0.005	98	88627	2.68	
* 109 Perylene-d12	264	13.539	13.539	0.000	98	1154599	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.039	15.045	-0.006	99	78576	2.81	
111 Dibenz(a,h)anthracene	278	15.074	15.086	-0.012	12	14018	0.4942	
112 Benzo[g,h,i]perylene	276	15.456	15.462	-0.006	96	83531	2.94	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Worklist Smp#: 15

Client ID: A1

Injection Vol: 1.0 ul

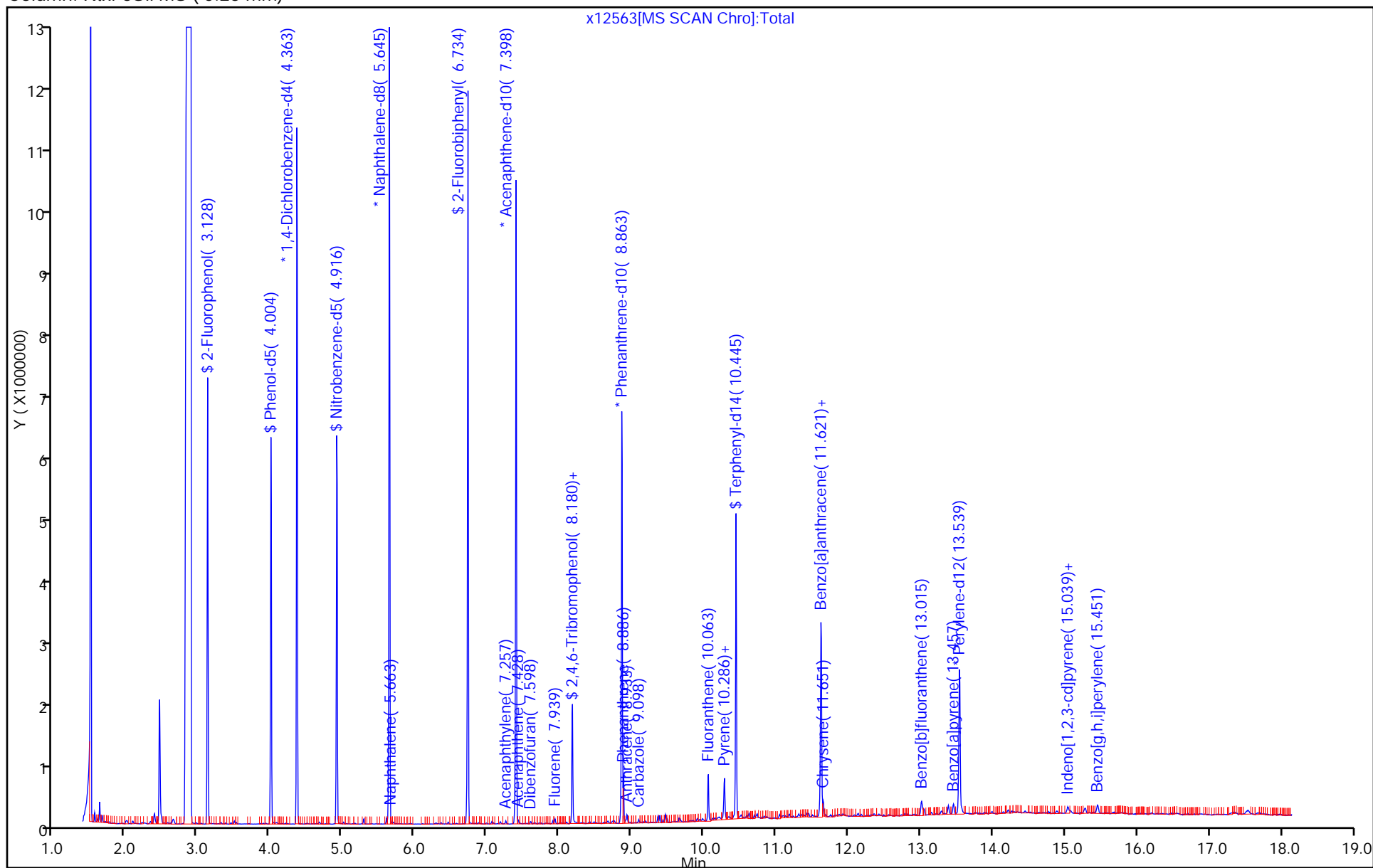
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#: 15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

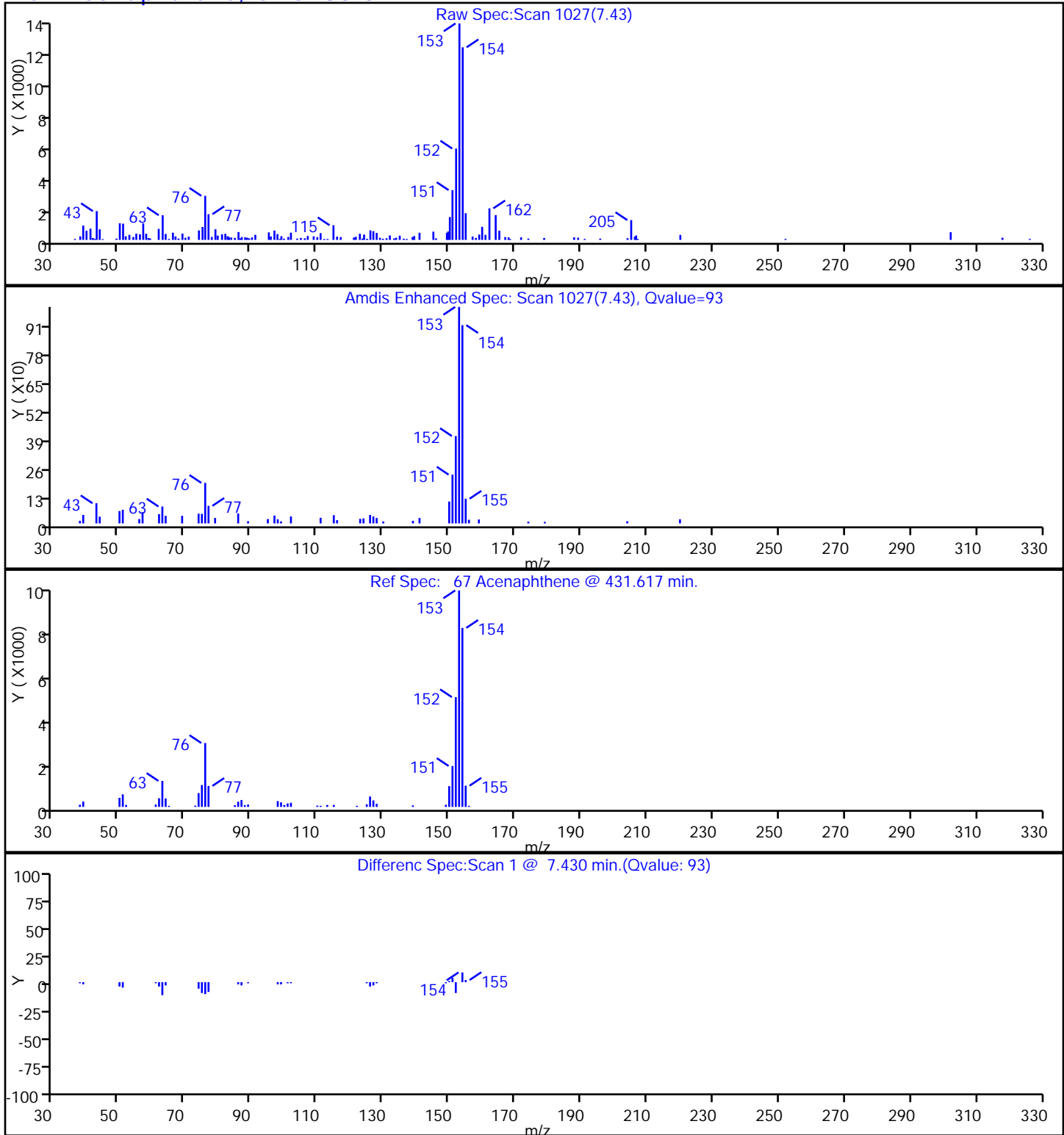
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

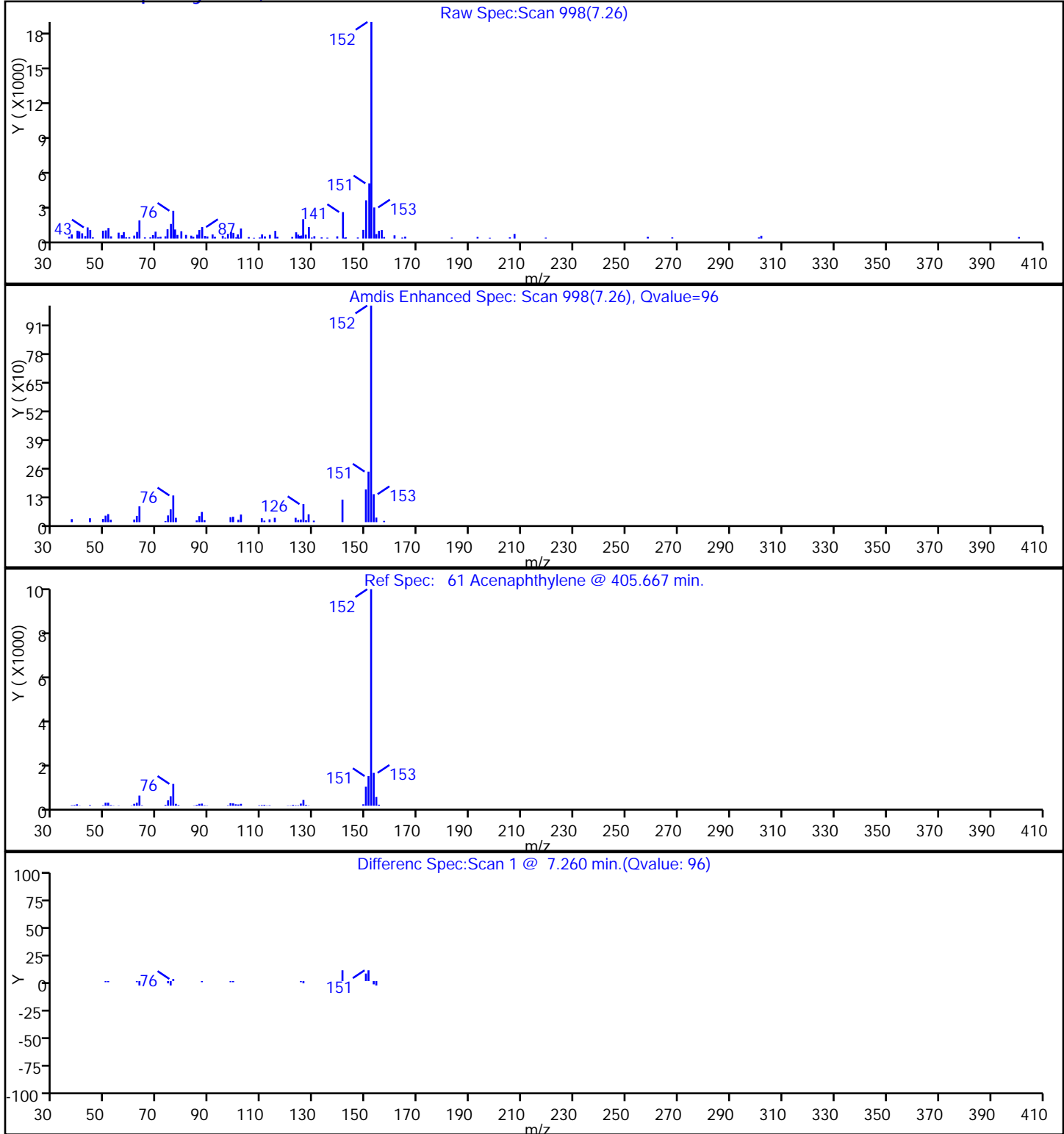
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

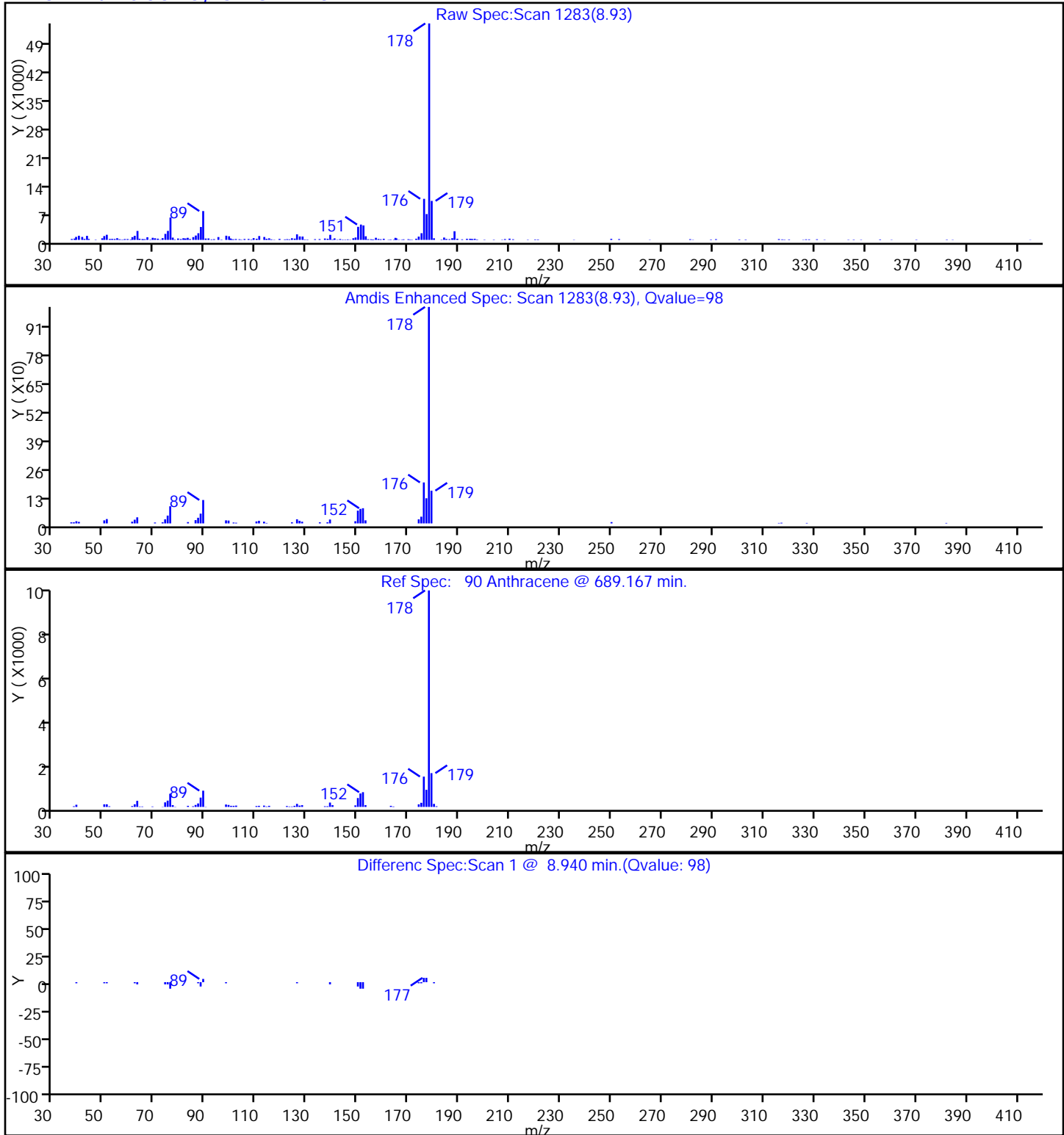
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

90 Anthracene, CAS: 120-12-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

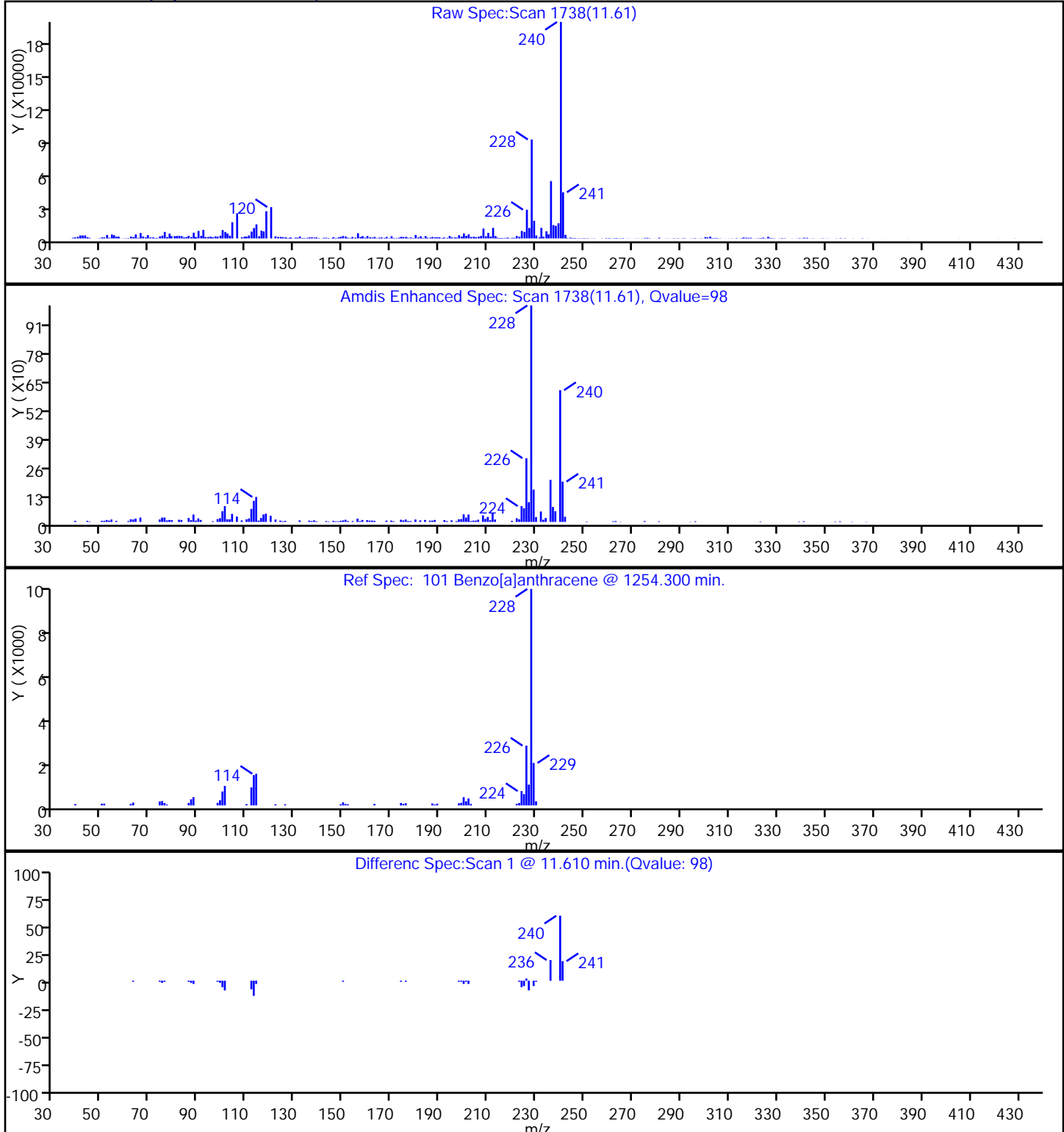
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

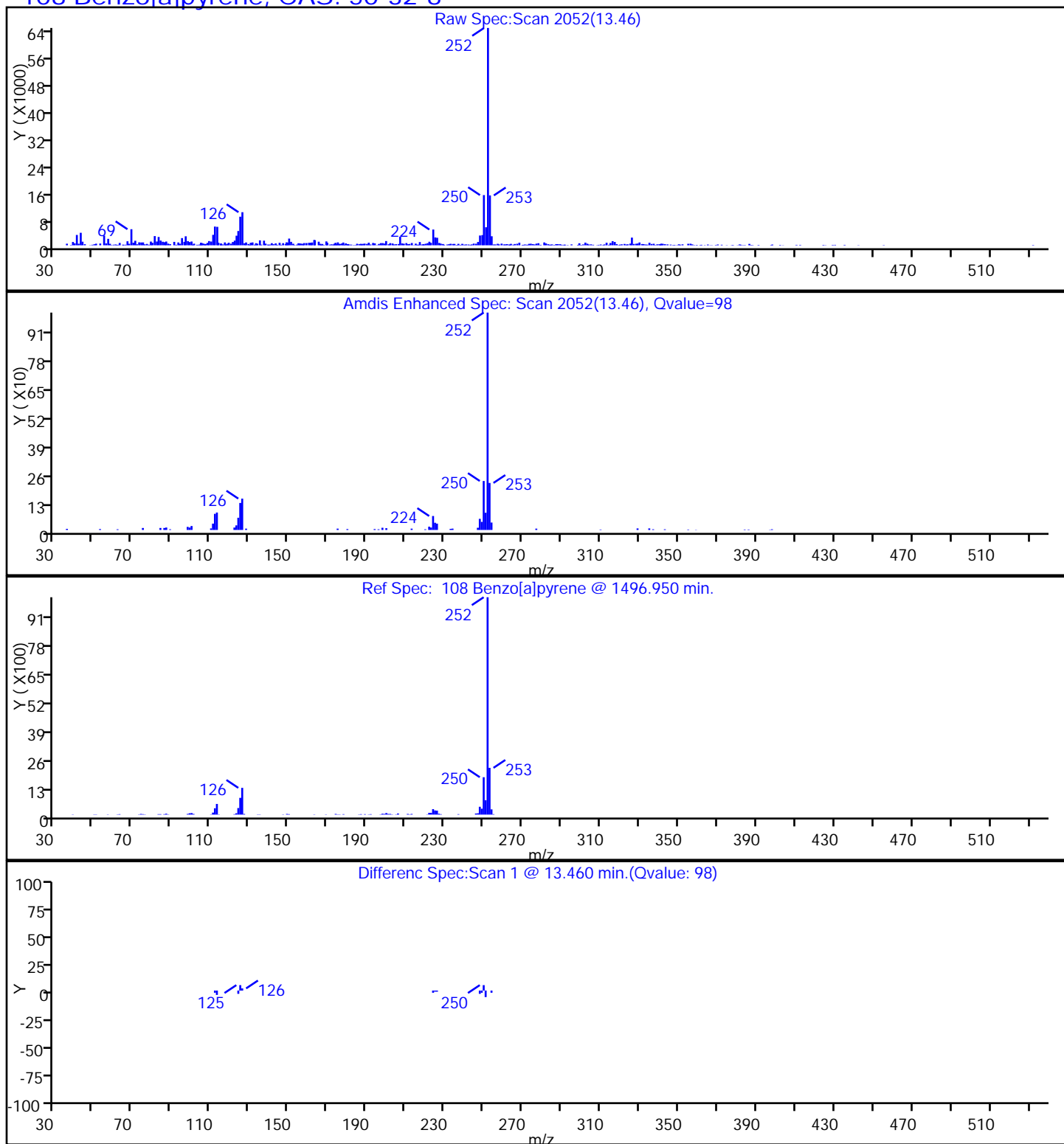
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

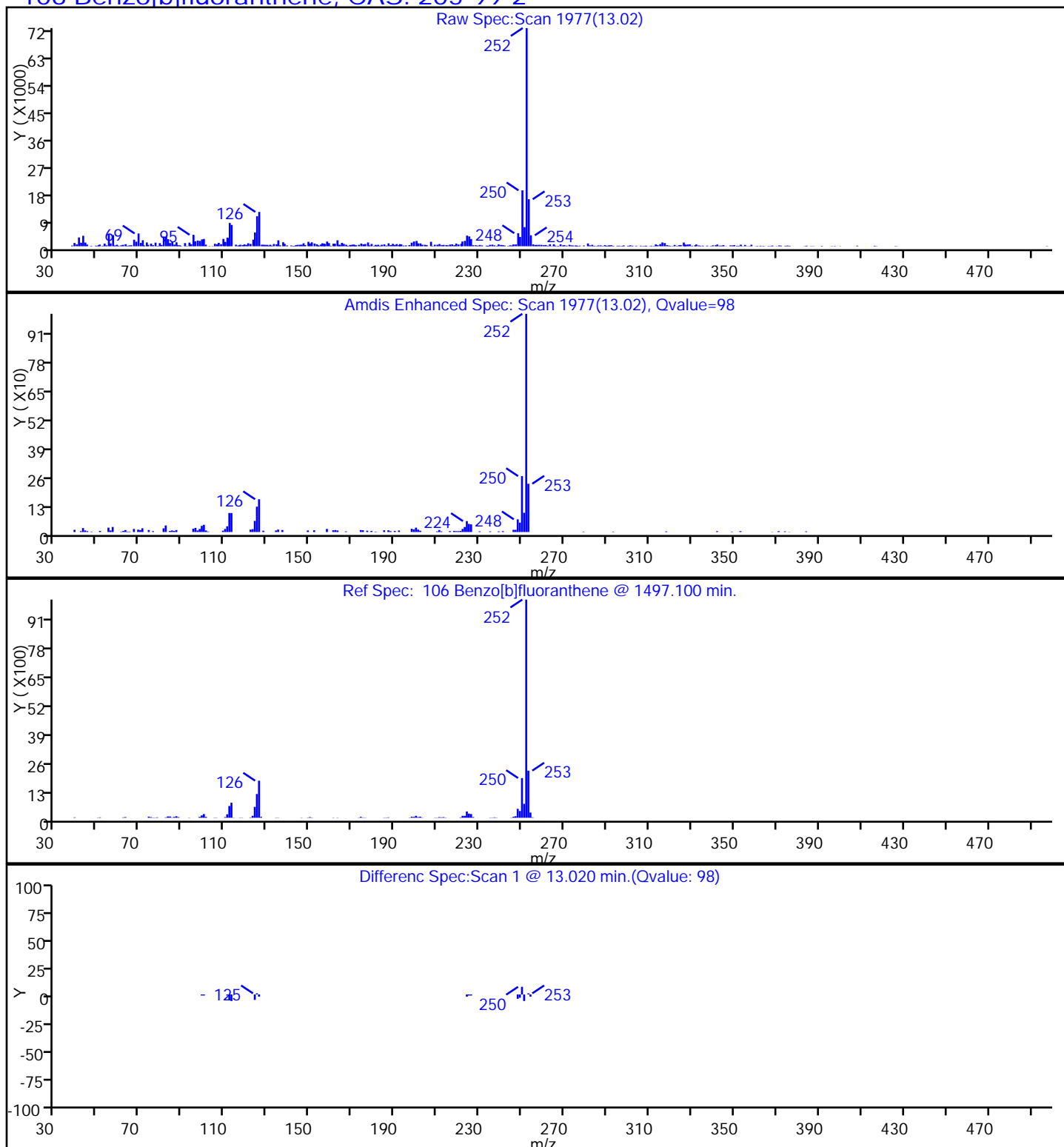
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

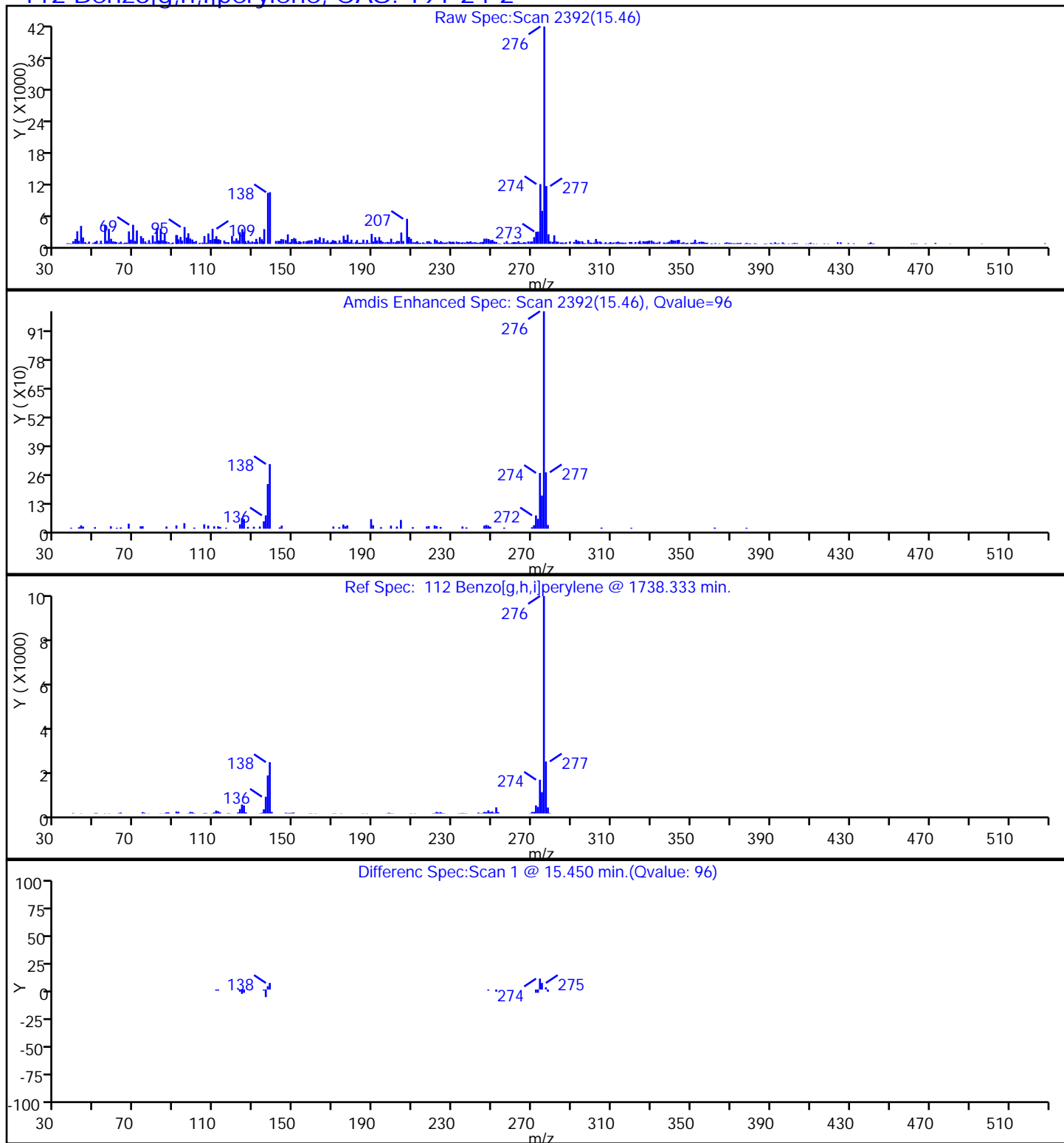
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

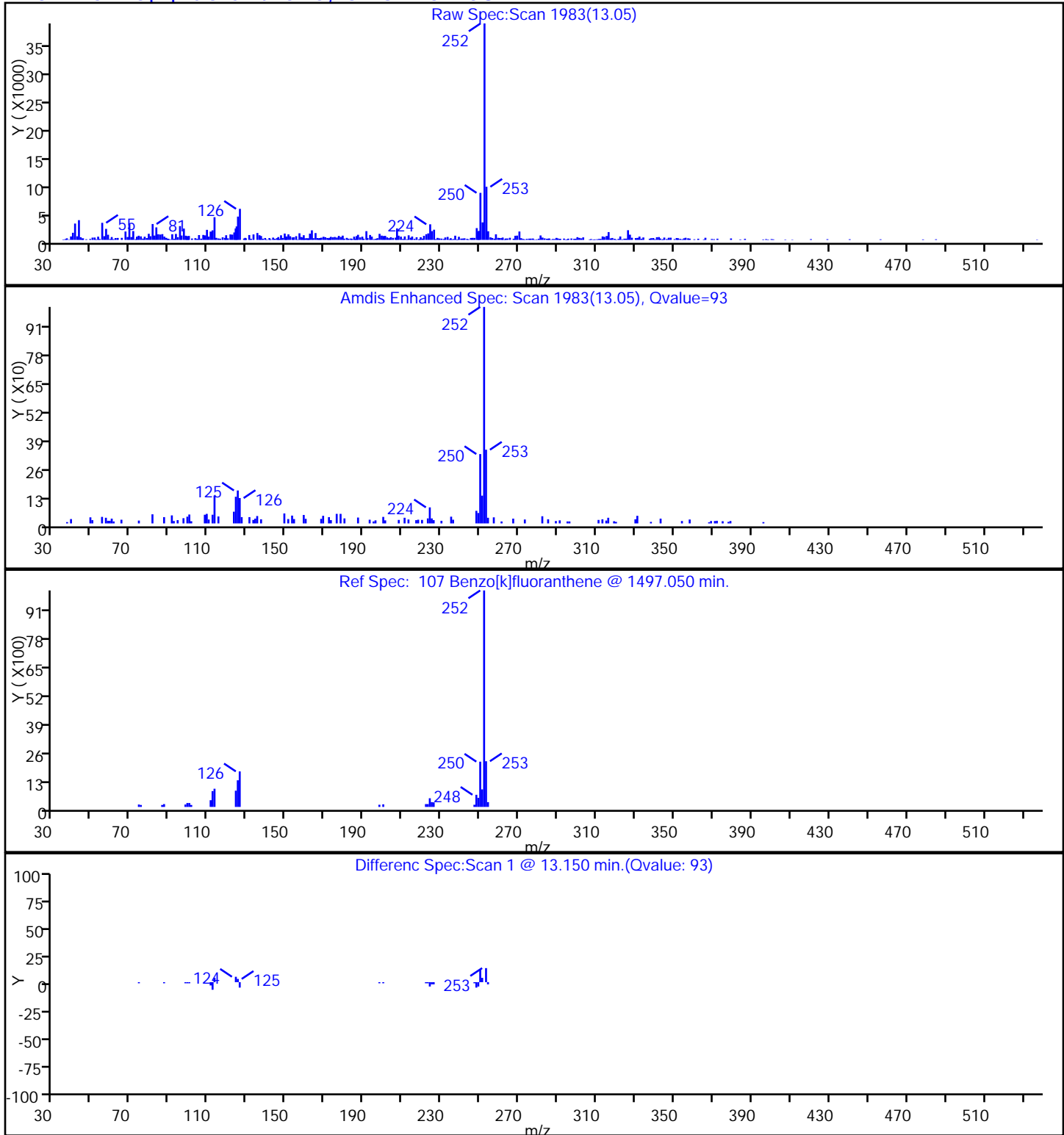
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

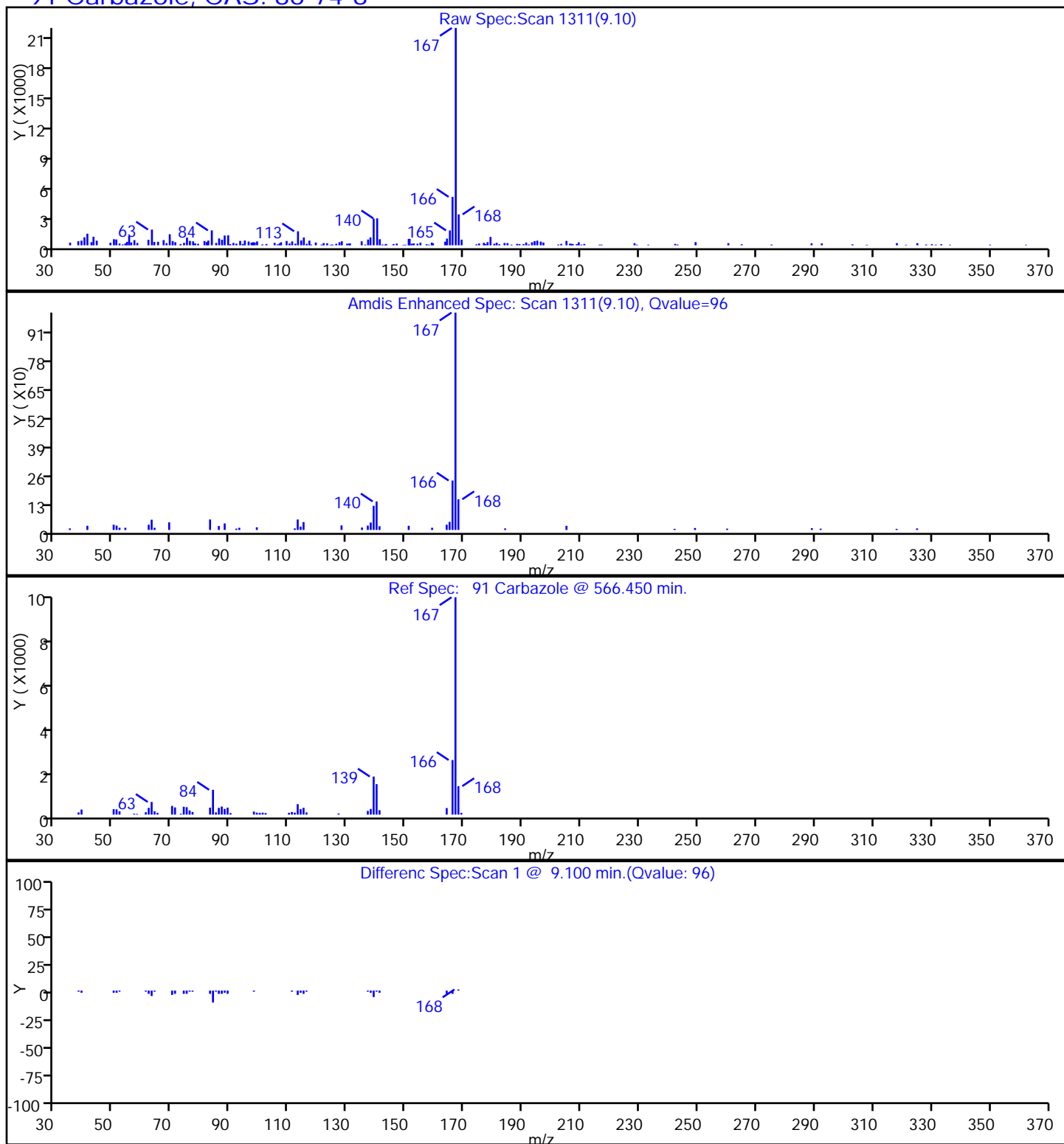
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

91 Carbazole, CAS: 86-74-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

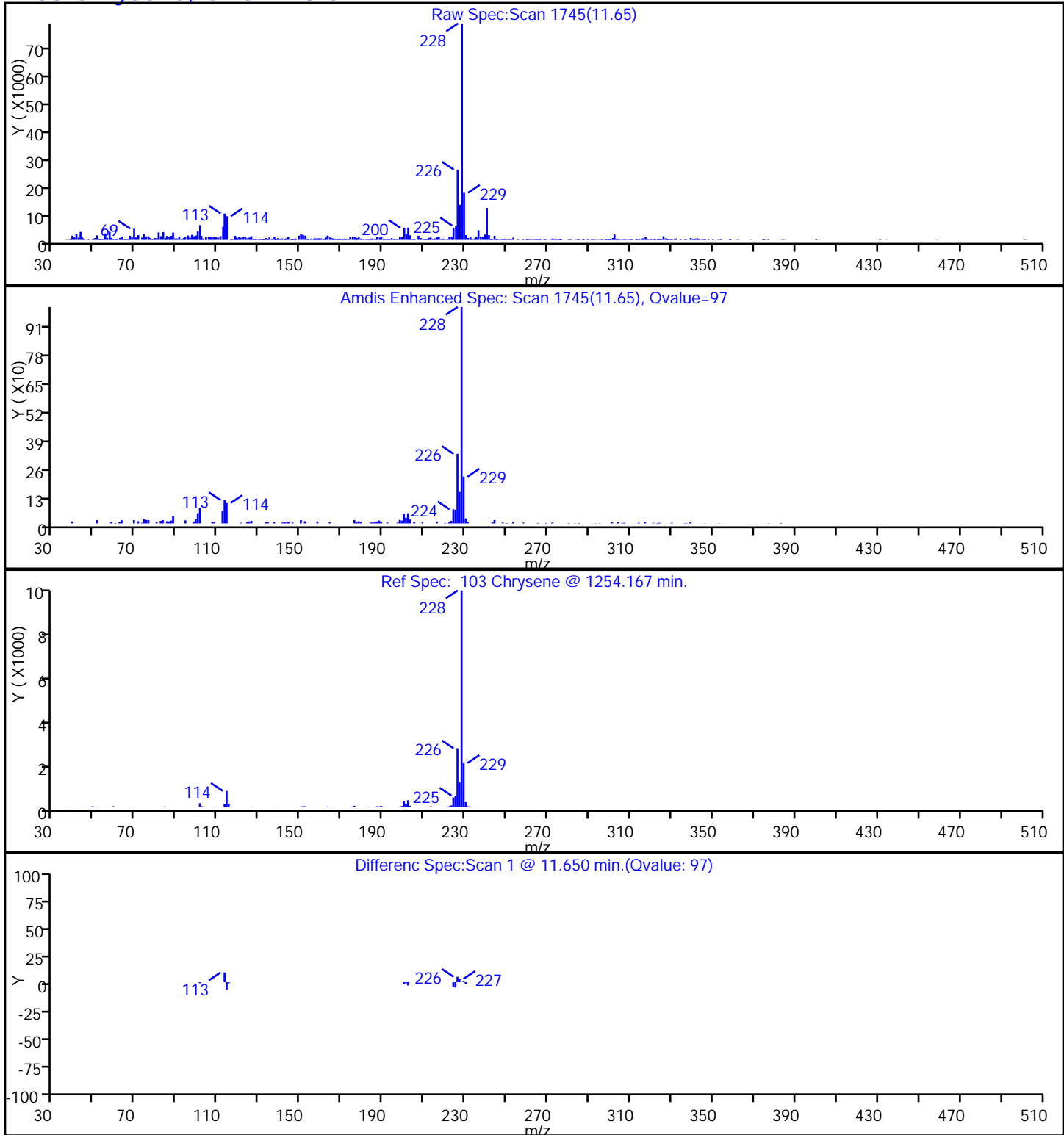
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

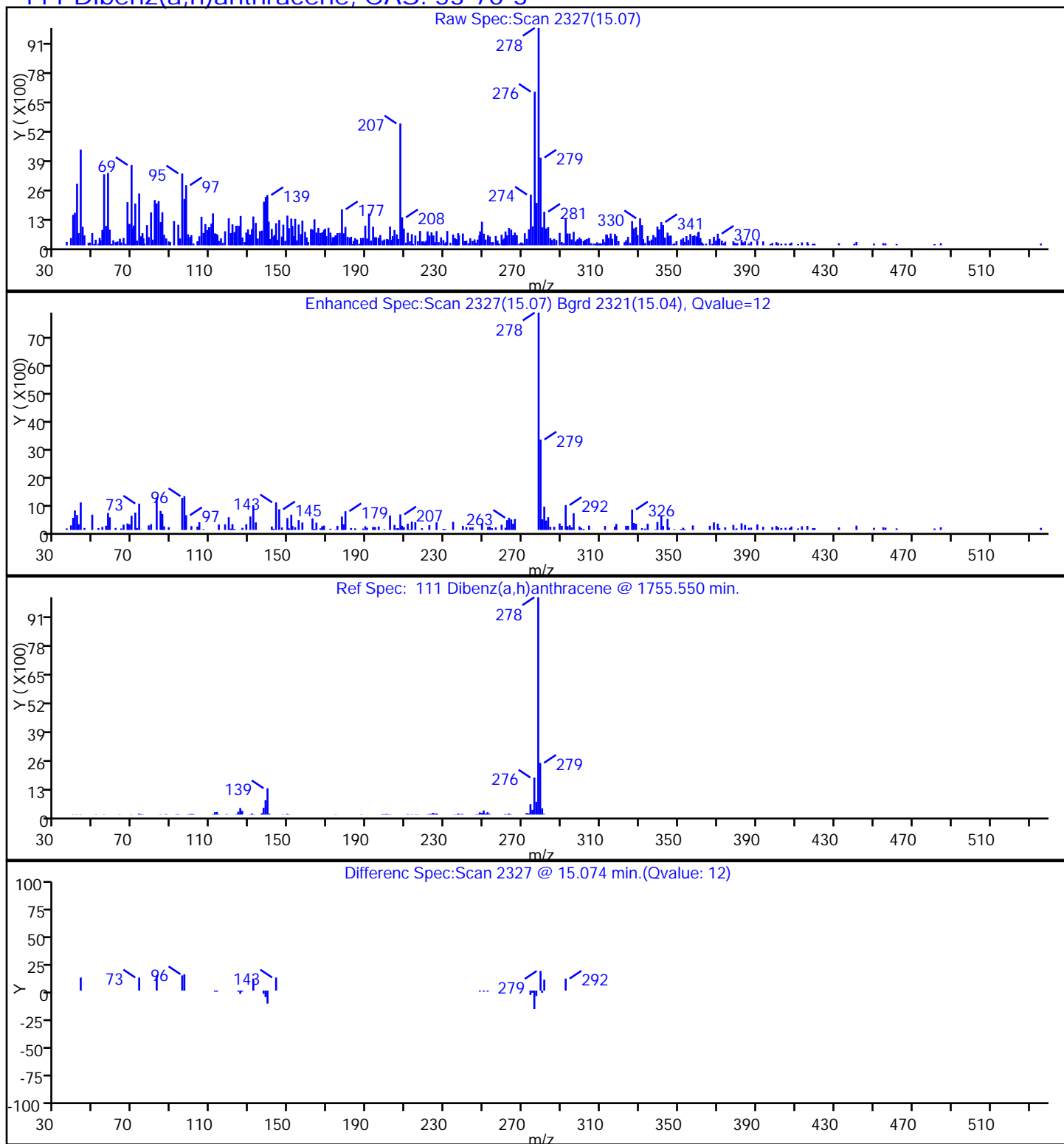
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

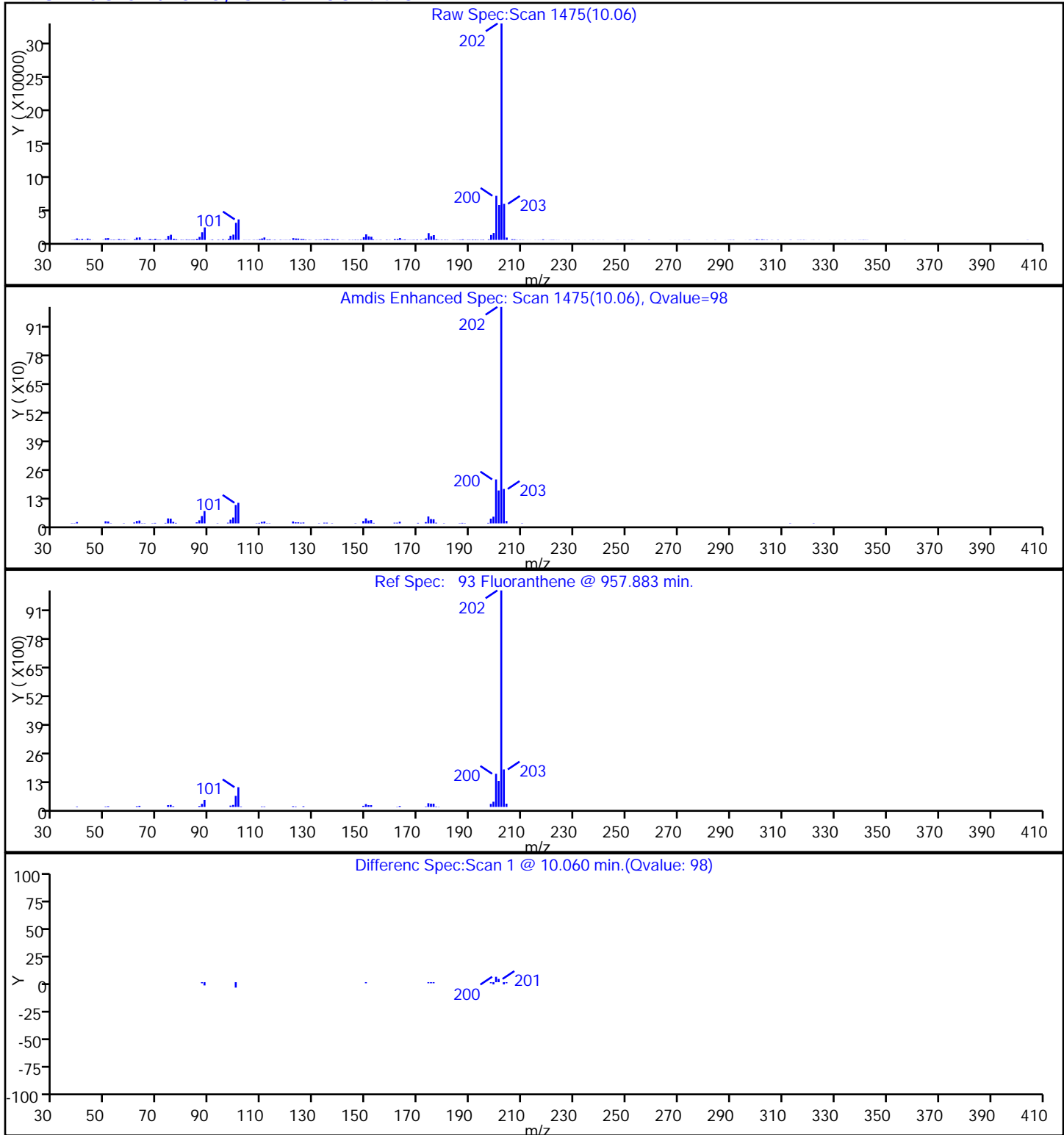
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

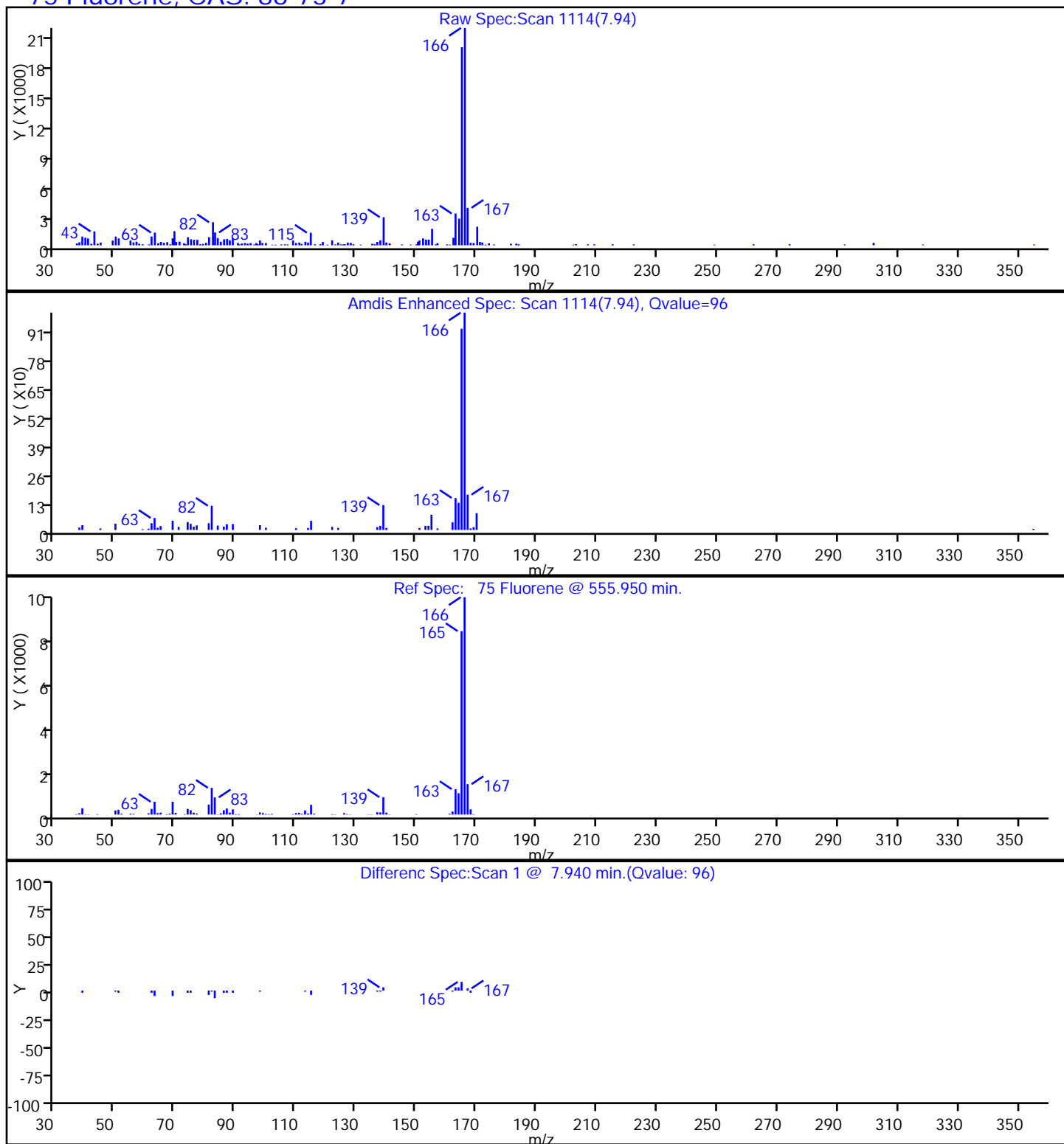
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

75 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

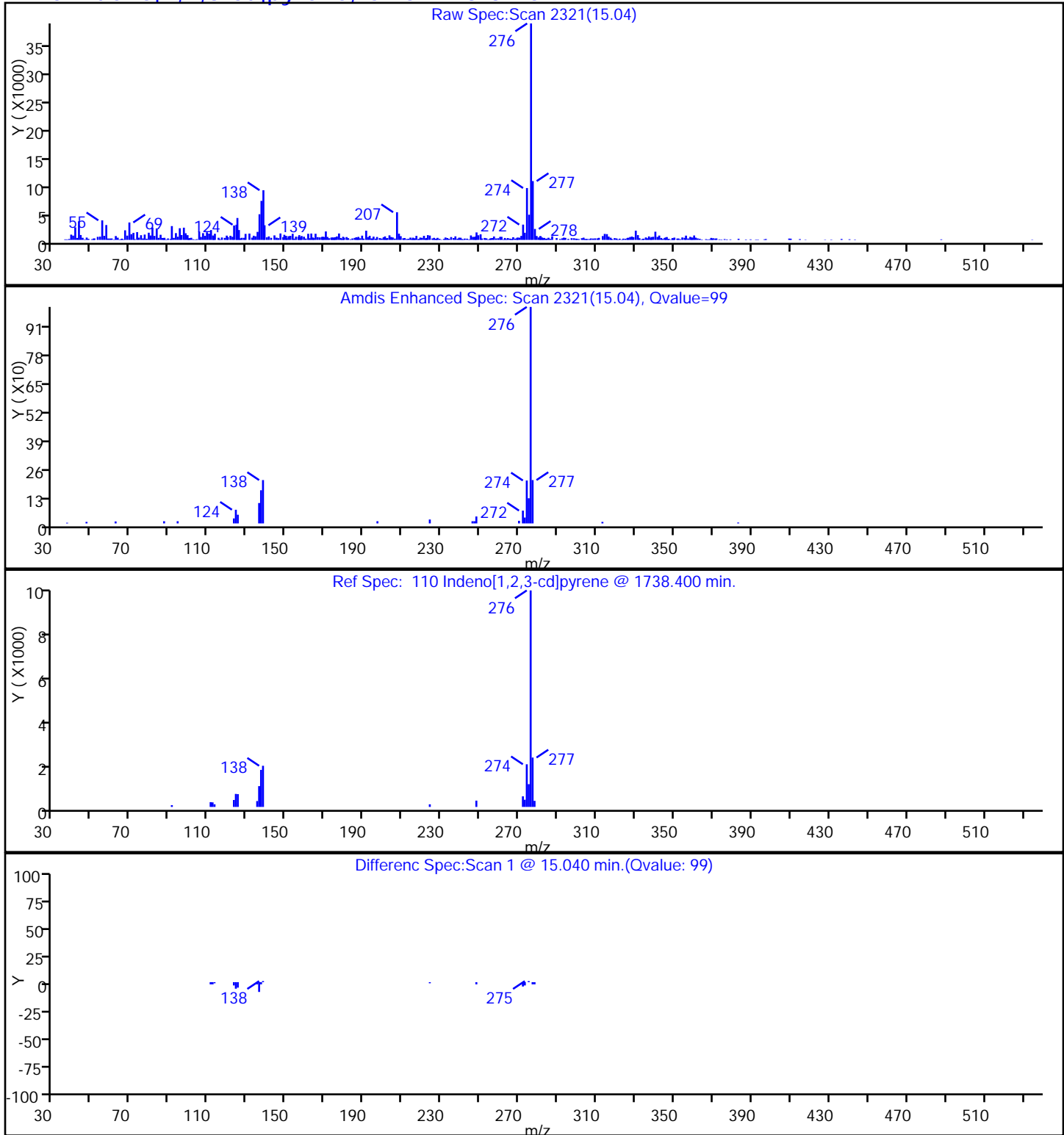
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

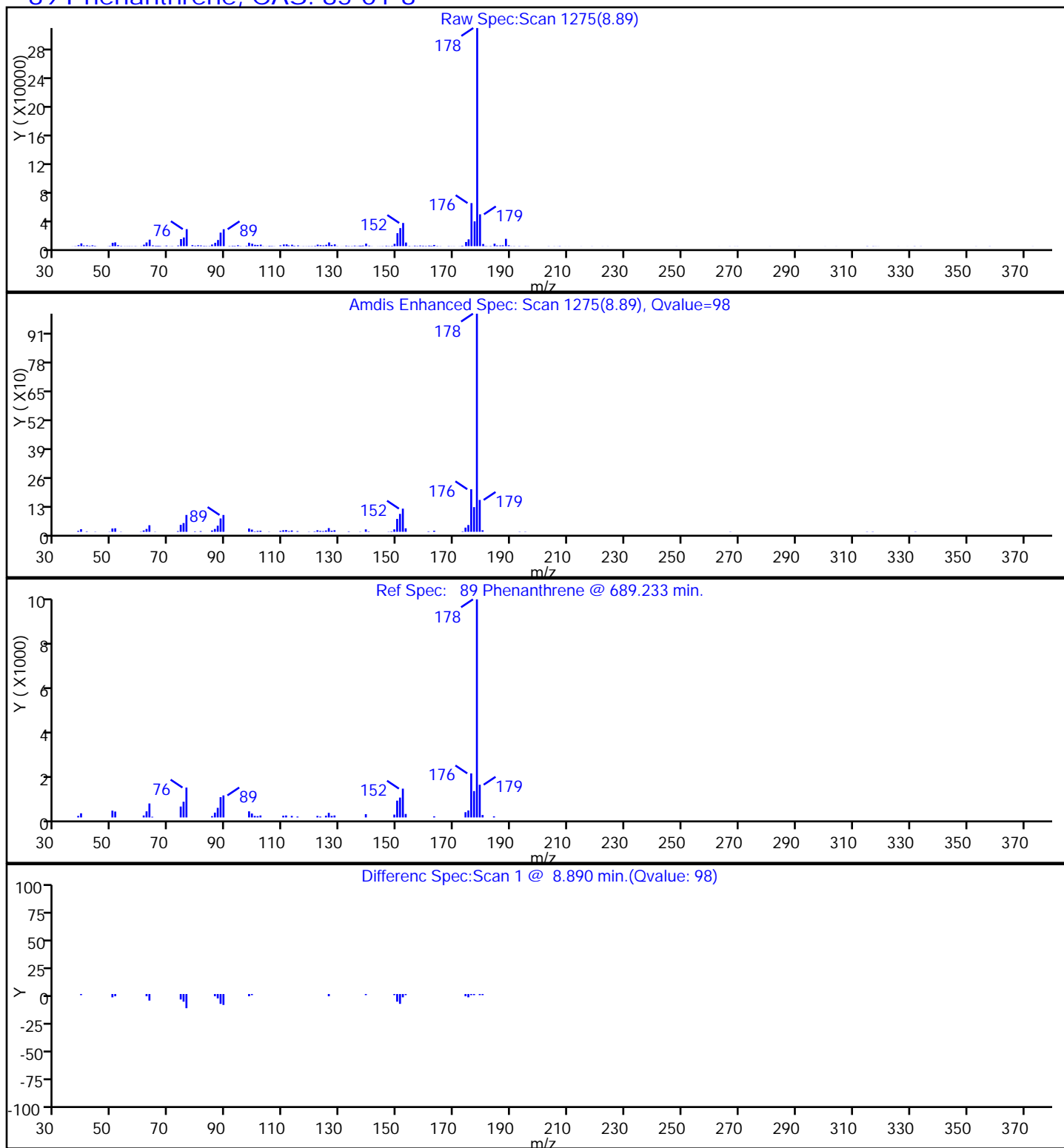
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D

Injection Date: 05-Apr-2016 14:24:30

Instrument ID: CBNAMS5

Lims ID: 460-111006-A-1-A

Lab Sample ID: 460-111006-1

Client ID: A1

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

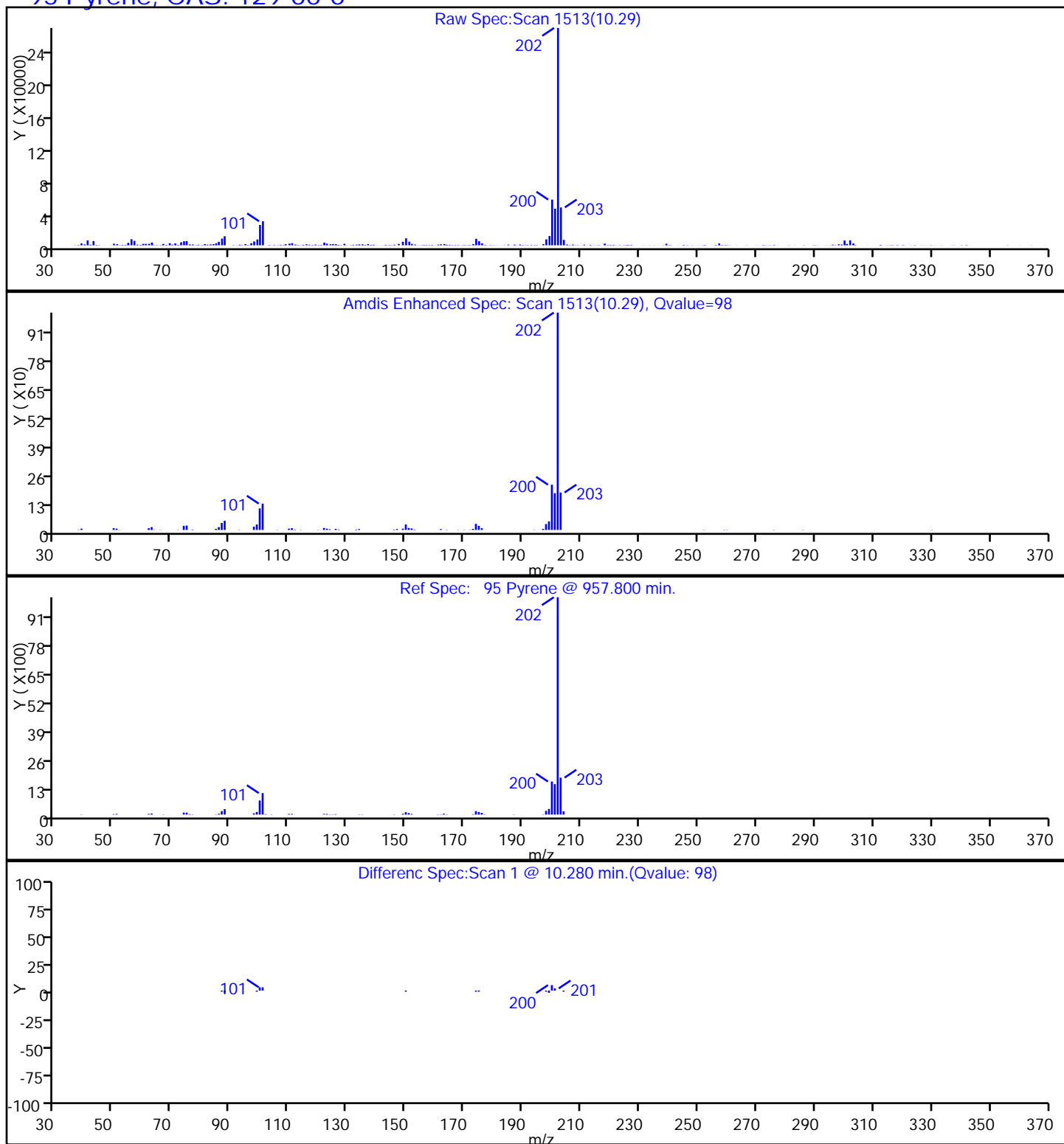
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

95 Pyrene, CAS: 129-00-0



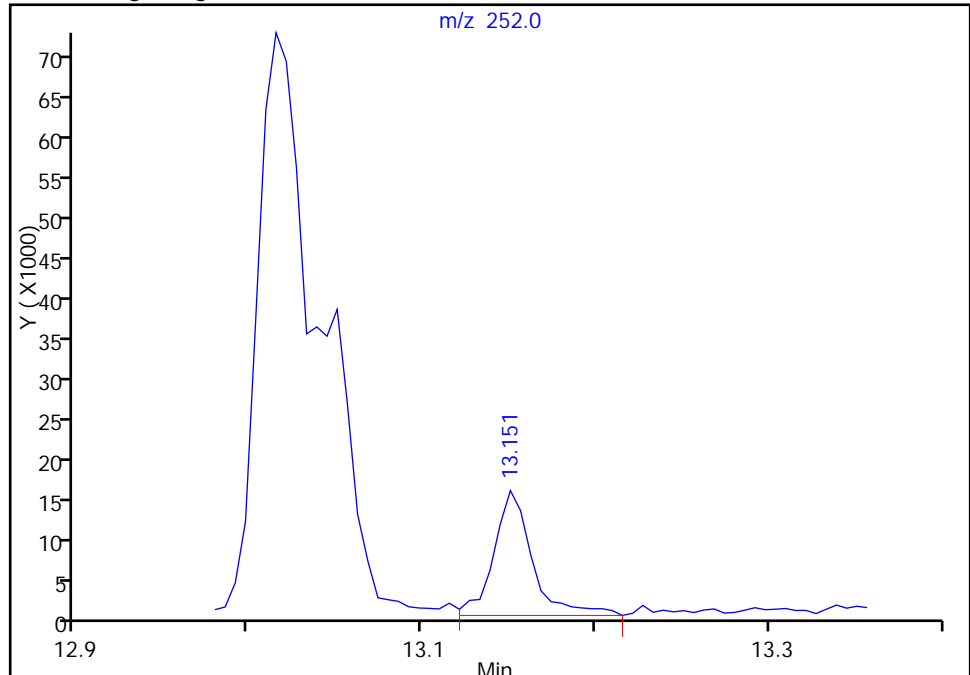
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12563.D
Injection Date: 05-Apr-2016 14:24:30 Instrument ID: CBNAMS5
Lims ID: 460-111006-A-1-A Lab Sample ID: 460-111006-1
Client ID: A1
Operator ID: ALS Bottle#: 15 Worklist Smp#: 15
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

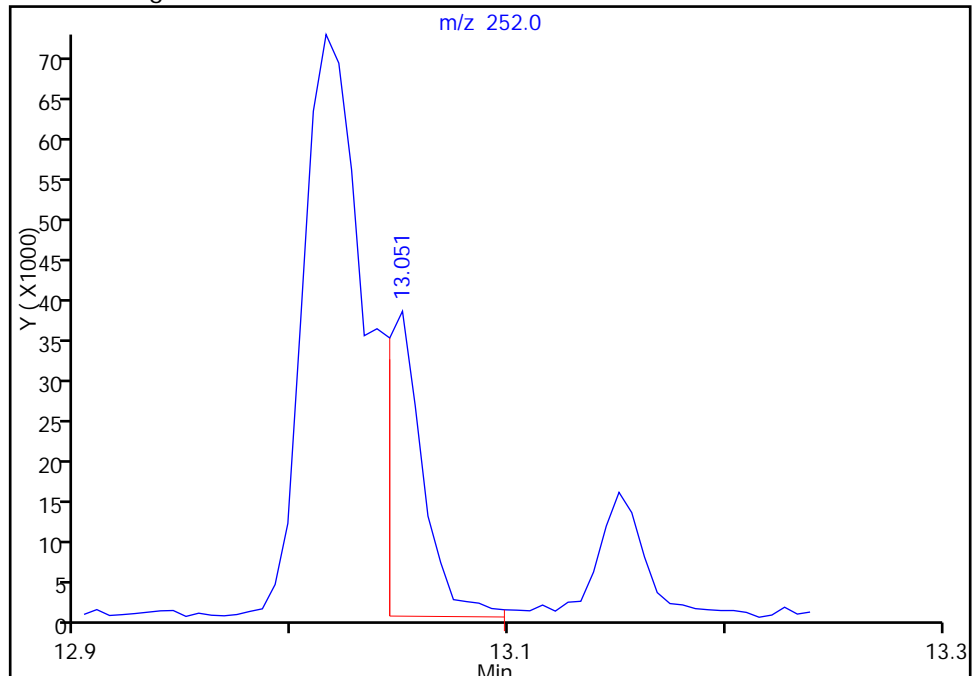
RT: 13.15
Area: 24089
Amount: 0.632044
Amount Units: ug/ml

Processing Integration Results



RT: 13.05
Area: 44348
Amount: 1.163597
Amount Units: ug/ml

Manual Integration Results



Reviewer: bayoumiw, 05-Apr-2016 15:24:50
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.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-361066/10	z4178279.D
Level 2	STD1 460-361066/9	z4178278.D
Level 3	STD2 460-361066/8	z4178277.D
Level 4	STD5 460-361066/7	z4178276.D
Level 5	STD10 460-361066/6	z4178275.D
Level 6	STD20 460-361066/5	z4178274.D
Level 7	ICIS 460-361066/2	z4178271.D
Level 8	STD80 460-361066/4	z4178273.D
Level 9	STD120 460-361066/3	z4178272.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	0.6515	0.6970	0.6885	0.6237 0.7309	0.6785	Ave		0.6784				5.5		20.0			
N-Nitrosodimethylamine	0.8965	0.9397	0.8970	0.8286 0.9710	0.8927	Ave		0.9042				5.3		20.0			
Pyridine	1.6362	1.6876	1.6210	1.5434 1.7338	1.5967	Ave		1.6364				4.1		20.0			
Phenol	1.7064	1.7189	1.6870	1.6177 1.8381	1.6324	Ave		1.7001			0.8000	4.6		20.0			
Aniline	2.0644	2.0876	2.0311	1.8686 2.2192	1.9899	Ave		2.0435				5.7		20.0			
Bis(2-chloroethyl)ether	1.3615 1.3462	1.4319 1.3608	1.3095 1.3200	1.2670 1.4542	1.2881	Ave		1.3488			0.7000	4.6		20.0			
2-Chlorophenol	1.3307	1.3291	1.2995	1.2785 1.3797	1.2963	Ave		1.3190			0.8000	2.7		20.0			
n-Decane	1.2838	1.3543	1.3570	1.1606 1.4601	1.2308	Ave		1.3078				8.1		20.0			
1,3-Dichlorobenzene	1.5421	1.5568	1.5601	1.4723 1.6506	1.5297	Ave		1.5519				3.7		20.0			
1,4-Dichlorobenzene	1.5865	1.5903	1.5759	1.5298 1.6686	1.5881	Ave		1.5899				2.8		20.0			
Benzyl alcohol	0.8163	0.8040	0.7829	0.7580 0.8397	0.7855	Ave		0.7977				3.6		20.0			
1,2-Dichlorobenzene	1.4809	1.4709	1.4509	1.4140 1.5423	1.4505	Ave		1.4683				2.9		20.0			
2-Methylphenol	1.1938	1.1727	1.1377	1.1395 1.2158	1.1789	Ave		1.1731			0.7000	2.6		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.: 460-111006-1 Analy Batch No.: 361066
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.2482	1.2522	1.2309	1.1509 1.3392	1.1926	Ave		1.2357			0.0100	5.1		20.0			
3 & 4 Methylphenol	1.3497	1.3216	1.3117	1.2641 1.3773	1.3152	Ave		1.3233				2.9		20.0			
4-Methylphenol	1.3497	1.3216	1.3117	1.2641 1.3773	1.3152	Ave		1.3233			0.6000	2.9		20.0			
Acetophenone	1.8267	1.7770	1.7599	1.6914 1.8910	1.7366	Ave		1.7804			0.0100	3.9		20.0			
N-Nitrosodi-n-propylamine	1.0188 0.9870	1.0695 0.9652	0.9530 0.9380	0.9183 1.0207	0.9595	Ave		0.9811			0.5000	4.9		20.0			
Hexachloroethane	0.6068 0.6298	0.6575 0.6189	0.6589 0.6292	0.6117 0.6621	0.6159	Ave		0.6323			0.3000	3.4		20.0			
Nitrobenzene	0.6410 0.6329	0.6422 0.6424	0.6309 0.6408	0.5981 0.6796	0.6352	Ave		0.6381			0.2000	3.3		20.0			
n,n'-Dimethylaniline	1.9641 2.0526	1.9736 2.0641	1.9947 1.9617	1.9643 2.1701	1.9779	Ave		2.0137				3.5		20.0			
Isophorone	0.6872	0.6828	0.6944 0.6736	0.6258 0.7248	0.6767	Ave		0.6808			0.4000	4.4		20.0			
2-Nitrophenol	0.1930	0.1942	0.1994	0.1882 0.2089	0.1938	Ave		0.1962			0.1000	3.7		20.0			
2,4-Dimethylphenol	0.3068	0.3099	0.3105	0.2889 0.3242	0.3040	Ave		0.3074			0.2000	3.7		20.0			
Bis(2-chloroethoxy)methane	0.4254	0.4361	0.4310	0.3902 0.4598	0.4215	Ave		0.4273			0.3000	5.3		20.0			
Benzoic acid	0.1913	0.1851	0.1914	0.1467 0.1910	0.1632	Ave		0.1781				10.6		20.0			
2,4-Dichlorophenol	0.3025	0.3053	0.2800 0.3080	0.2917 0.3217	0.3009	Ave		0.3015			0.2000	4.3		20.0			
1,2,4-Trichlorobenzene	0.3743 0.3553	0.3609 0.3533	0.3514 0.3590	0.3556 0.3761	0.3593	Ave		0.3606				2.4		20.0			
Naphthalene	1.0443	1.0416	1.0549	0.9742 1.1168	1.0463	Ave		1.0464			0.7000	4.3		20.0			
4-Chloroaniline	0.4047	0.4119	0.4187	0.3857 0.4446	0.4054	Ave		0.4118			0.0100	4.7		20.0			
Hexachlorobutadiene	0.2273 0.2407	0.2359 0.2362	0.2359 0.2442	0.2350 0.2511	0.2417	Ave		0.2390			0.0100	3.0		20.0			
4-Chloro-3-methylphenol	0.3036	0.2946	0.3030	0.2881 0.3205	0.3014	Ave		0.3019			0.2000	3.6		20.0			
1-Methylnaphthalene	0.6568	0.6510	0.6697	0.6082 0.7061	0.6457	Ave		0.6562				4.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111006-1 Analy Batch No.: 361066
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

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-Methylnaphthalene	0.5707	0.5596	0.5732	0.5411 0.6082	0.5593	Ave		0.5687			0.4000	3.9		20.0			
Hexachlorocyclopentadiene	0.4450	0.4928	0.4963	0.4204 0.5297	0.4552	Ave		0.4732			0.0500	8.5		20.0			
1,2,4,5-Tetrachlorobenzene	0.7029	0.7206	0.7090	0.6856 0.7462	0.7104	Ave		0.7124			0.0100	2.8		20.0			
2-tertbutyl-4-methylphenol	0.4808	0.4785	0.4803	0.4513 0.5181	0.4694	Ave		0.4797				4.6		20.0			
2,4,6-Trichlorophenol	0.4247	0.4211	0.4643 0.4159	0.4205 0.4387	0.4327	Ave		0.4311			0.2000	3.8		20.0			
2,4,5-Trichlorophenol	0.4317	0.4322	0.4446	0.4072 0.4629	0.4384	Ave		0.4362			0.2000	4.2		20.0			
1,1'-Biphenyl	1.5355	1.5733	1.5611	1.4798 1.6502	1.5196	Ave		1.5532			0.0100	3.7		20.0			
2-Chloronaphthalene	1.2170	1.2281	1.2103	1.1712 1.2791	1.2281	Ave		1.2223			0.8000	2.9		20.0			
Phenyl ether	0.8264	0.8589	0.8114	0.8290 0.8894	0.8184	Ave		0.8389				3.5		20.0			
2-Nitroaniline	0.4648	0.4588	0.4602	0.4462 0.4863	0.4616	Ave		0.4630			0.0100	2.8		20.0			
1,3-Dimethylnaphthalene	0.9736	1.0052	0.9060	0.9582 0.9831	0.9466	Ave		0.9621				3.5		20.0			
Dimethyl phthalate	1.2458	1.2252	1.2328	1.1818 1.3187	1.2000	Ave		1.2341			0.0100	3.8		20.0			
Coumarin	0.1906	0.1834	0.1863	0.1796 0.1992	0.1814	Ave		0.1867				3.9		20.0			
2,6-Dinitrotoluene	0.2497 0.2951	0.2497 0.2901	0.2851 0.2920	0.2690 0.3152	0.2864	Ave		0.2853			0.2000	6.7		20.0			
Acenaphthylene	1.7408	1.7309	1.6978	1.6653 1.8279	1.6935	Ave		1.7260			0.9000	3.3		20.0			
3-Nitroaniline	0.2813	0.2819	0.2865	0.2655 0.3002	0.2773	Ave		0.2821			0.0100	4.0		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.4026	1.4509	1.3823	1.3380 1.5178	1.3390	Ave		1.4051				5.0		20.0			
Acenaphthene	1.2736	1.2857	1.1244	1.2229 1.2242	1.2324	Ave		1.2272			0.9000	4.6		20.0			
2,4-Dinitrophenol	0.2012	0.1934	0.1611 0.2078	0.1600 0.2222	0.1787	Lin2	-0.208	0.2024			0.0100				0.9930		0.9900
4-Nitrophenol	0.2379	0.2283	0.2424	0.2090 0.2587	0.2249	Ave		0.2335			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.: 460-111006-1 Analy Batch No.: 361066
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

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	0.3750	0.3406 0.3598	0.3640 0.3629	0.3441 0.3919	0.3576	Ave		0.3620			0.2000	4.5		20.0			
Dibenzofuran	1.5920	1.5792	1.5920	1.5500 1.6859	1.5574	Ave		1.5927			0.8000	3.1		20.0			
2,3,4,6-Tetrachlorophenol	0.3571	0.3467	0.3508	0.3461 0.3684	0.3474	Ave		0.3527			0.0100	2.5		20.0			
Diethyl phthalate	1.1776	1.1414	1.1537	1.0503 1.2351	1.1215	Ave		1.1466			0.0100	5.3		20.0			
4-Chlorophenyl phenyl ether	0.6593	0.6506	0.6507	0.6171 0.6911	0.6302	Ave		0.6499			0.4000	3.9		20.0			
Fluorene	1.3018	1.2922	1.2917	1.2459 1.3888	1.2650	Ave		1.2976			0.9000	3.8		20.0			
4-Nitroaniline	0.2770	0.2695	0.2743	0.2315 0.2564	0.2708	Ave		0.2633			0.0100	6.5		20.0			
4,6-Dinitro-2-methylphenol	0.1574	0.1652	0.1449 0.1701	0.1404 0.1800	0.1577	Ave		0.1594			0.0100	8.7		20.0			
N-Nitrosodiphenylamine	0.6050	0.6398	0.6026 0.6193	0.5958 0.6629	0.6067	Ave		0.6189			0.0100	3.9		20.0			
1,2-Diphenylhydrazine	0.9192	0.9751	0.9367	0.9145 1.0004	0.9279	Ave		0.9457				3.6		20.0			
4-Bromophenyl phenyl ether	0.2557	0.2597	0.2574	0.2356 0.2744	0.2603	Ave		0.2572			0.1000	4.9		20.0			
Hexachlorobenzene	0.2356 0.2387	0.2458 0.2473	0.2484 0.2457	0.2444 0.2600	0.2417	Ave		0.2453			0.1000	2.8		20.0			
Pentachlorophenol	0.1579	0.1588	0.1536 0.1650	0.1475 0.1757	0.1576	Ave		0.1595			0.0500	5.6		20.0			
Pentachloronitrobenzene	0.1153	0.1192	0.1007	0.1180 0.1116	0.1147	Ave		0.1133			0.0100	5.9		20.0			
n-Octadecane	0.5290	0.5990	0.5734	0.4964 0.6209	0.5222	Ave		0.5568				8.7		20.0			
Phenanthrene	1.1519	1.1690	1.1471	1.1323 1.2354	1.1693	Ave		1.1675			0.7000	3.1		20.0			
Anthracene	1.1640	1.2050	1.1781	1.1110 1.2517	1.1594	Ave		1.1782			0.7000	4.0		20.0			
Carbazole	0.9550	0.9668	0.9598	0.9297 1.0270	0.9463	Ave		0.9641			0.0100	3.5		20.0			
Di-n-butyl phthalate	1.1521	1.1721	1.1933	1.0923 1.2764	1.1315	Ave		1.1696			0.0100	5.4		20.0			
Fluoranthene	1.1027	1.0958	1.1008	1.0448 1.1787	1.0812	Ave		1.1007			0.6000	4.0		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.: 460-111006-1 Analy Batch No.: 361066
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

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	0.5795	0.5791	0.6233	0.5590 0.6508	0.5487	Ave		0.5901				6.7		20.0			
Pyrene	1.4726	1.5090	1.4738	1.4361 1.5453	1.4984	Ave		1.4892			0.6000	2.5		20.0			
Bisphenol-A	0.6073	0.6274	0.6746	0.6675 0.6893	0.6199	Ave		0.6477				5.2		20.0			
Butyl benzyl phthalate	0.5897	0.5884	0.5890	0.5472 0.6161	0.5794	Ave		0.5850			0.0100	3.8		20.0			
2,3,7,8-TCDD		0.1372				Ave		0.1372						20.0			
Carbamazepine	0.5086	0.4926	0.5157	0.4616 0.5577	0.4608	Ave		0.4995				7.3		20.0			
3,3'-Dichlorobenzidine	0.4059	0.4217	0.3775 0.4350	0.4272 0.4357	0.4022	Ave		0.4150			0.0100	5.1		20.0			
Benzo[a]anthracene	1.5069 1.2111	1.3901 1.2336	1.2465 1.2335	1.2056 1.2867	1.2281	Ave		1.2824			0.8000	7.9		20.0			
Bis(2-ethylhexyl) phthalate	0.8259	0.8346	0.8423	0.7708 0.9015	0.8201	Ave		0.8325			0.0100	5.1		20.0			
Chrysene	1.1254	1.1128	1.1080	1.1017 1.1738	1.1401	Ave		1.1270			0.7000	2.4		20.0			
Di-n-octyl phthalate	1.6961	1.7294	1.7383	1.5823 1.8526	1.6556	Ave		1.7091			0.0100	5.3		20.0			
Benzo[b]fluoranthene	1.3970 1.2780	1.3478 1.2472	1.1958 1.2704	1.2621 1.3581	1.2964	Ave		1.2947			0.7000	4.8		20.0			
Benzo[k]fluoranthene	1.3584 1.2622	1.3096 1.3105	1.3245 1.3183	1.2386 1.3527	1.2731	Ave		1.3053			0.7000	3.1		20.0			
Benzo[a]pyrene	1.2133 1.1917	1.1798 1.1885	1.2385 1.2227	1.1096 1.2584	1.1854	Ave		1.1987			0.7000	3.6		20.0			
Indeno[1,2,3-cd]pyrene	1.0266 0.9864	1.0233 1.0089	0.9933 1.0907	0.9150 1.1229	0.9635	Ave		1.0145			0.5000	6.2		20.0			
Dibenz(a,h)anthracene	0.9249 1.0086	0.9465 1.0186	1.0152 1.0541	0.9276 1.1046	0.9607	Ave		0.9956			0.4000	6.1		20.0			
Benzo[g,h,i]perylene	0.9683	0.9937	1.0297	0.9242 1.0804	0.9426	Ave		0.9898			0.5000	5.9		20.0			
2-Fluorophenol (Surr)	1.2341 1.3318	1.4734 1.4686	1.4043 1.3837	1.7004	1.3597	Ave		1.4195				9.7		20.0			
Phenol-d5 (Surr)	1.6234	1.6060 1.7710	1.8033 1.6372	1.7108 1.9906	1.6393	Ave		1.7227				7.6		20.0			
Nitrobenzene-d5 (Surr)	0.4506 0.4349	0.4368 0.4857	0.4830 0.4657	0.4695 0.5549	0.4646	Ave		0.4717				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.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

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	1.3717 1.3906	1.4073 1.5685	1.5758 1.4995	1.4997 1.7563	1.4610	Ave		1.5034				8.0		20.0			
2,4,6-Tribromophenol (Surr)	0.1615	0.1649 0.1668	0.1842 0.1668	0.1714 0.1948	0.1630	Ave		0.1717				6.8		20.0			
Terphenyl-d14 (Surr)	1.0278 1.0274	1.0483 1.1621	1.1796 1.0998	1.1356 1.3032	1.0603	Ave		1.1160				8.1		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.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-361066/10	z4178279.D
Level 2	STD1 460-361066/9	z4178278.D
Level 3	STD2 460-361066/8	z4178277.D
Level 4	STD5 460-361066/7	z4178276.D
Level 5	STD10 460-361066/6	z4178275.D
Level 6	STD20 460-361066/5	z4178274.D
Level 7	ICIS 460-361066/2	z4178271.D
Level 8	STD80 460-361066/4	z4178273.D
Level 9	STD120 460-361066/3	z4178272.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	54182	163712	216077	15854 340985	33503	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	74559	220710	281496	21063 452988	44078	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	136073	396362	508717	39233 808862	78837	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	141914	403717	529416	41122 857556	80604	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	171687	490316	637426	47500 1035316	98256	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	3655 111959	6973 319624	13869 414246	32208 678425	63600	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	110664	312161	407815	32499 643696	64006	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	106767	318087	425857	29501 681172	60773	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	128250	365652	489592	37426 770058	75529	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	131945	373512	494563	38886 778483	78414	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	67889	188842	245687	19269 391736	38783	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	123160	345482	455330	35943 719542	71619	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	99285	275438	357039	28966 567211	58209	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	103808	294116	386288	29256 624793	58887	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.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

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	112247	310409	411642	32134 642566	64942	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	112247	310409	411642	32134 642566	64942	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCB	Ave	151917	417373	552299	42994 882236	85745	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	2735 82080	5208 226701	10094 294356	23342 476214	47377	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	1629 52377	3202 145371	6979 197450	15548 308880	30410	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	5792 176925	10679 487126	22459 636073	49810 1016242	101647	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	5273 170701	9611 484798	21127 615618	49931 1012442	97661	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	192119	517766	24720 668673	52117 1083812	108292	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	53968	147232	197936	15671 312423	31010	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	85761	235027	308238	24064 484822	48649	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	118925	330730	427840	32497 687578	67450	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Ave	53473	140401	190039	12215 285541	26122	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	84576	231520	305713	9969 481070	48153	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	3382 99319	6002 267883	12510 356337	29619 562337	57498	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	291930	789847	1047148	81140 1670017	167435	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	113132	312361	415643	32119 664759	64867	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	67292	3780 179144	8399 242378	19575 375511	38670	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	84866	223405	300775	23994 479287	48234	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	183614	493629	664790	50656 1055857	103318	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	159535	424385	569039	45064 909420	89493	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	62190	180649	243498	16870 393170	36127	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.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

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	98220	264129	347876	27516 553827	56382	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	134406	362826	476838	37585 774715	75115	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	59340	154350	8204 204075	16875 325601	34340	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	60326	158417	218157	16343 343600	34795	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	214575	576693	765969	59387 1224804	120601	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	170067	450170	593843	47004 949352	97462	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	115479	314843	398116	33271 660126	64949	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	64951	168173	225804	17909 360925	36633	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	136053	368441	444553	38453 729690	75126	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	174090	449075	604910	47428 978782	95237	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	53280	139078	184893	14962 297839	29022	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	41237	2022 106340	5037 143282	10795 233917	22727	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	243260	634441	833064	66832 1356755	134402	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	39305	103314	140580	10654 222848	22007	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	195998	531828	678269	53698 1126548	106265	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	177974	471254	551716	49080 908634	97808	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	56236	141752	5693 203896	12843 329807	28369	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	66484	167364	237896	16775 384061	35702	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	52397	2758 131889	6432 178074	13811 290886	28379	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	222458	578865	781130	62205 1251295	123600	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	49903	127082	172126	13888 273452	27571	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.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

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	164558	418375	566073	42151 916752	89002	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	92136	238470	319293	24765 512965	50018	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	181909	473643	633805	50002 1030790	100397	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	38714	98785	134593	9291 190279	21491	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Ave	65051	166327	239188	7476 16162	35670	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	250090	644159	870882	31099 68600 1401541	137207	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	189987	490899	658613	52649 1057580	104927	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	52851	130750	181009	13561 290029	29437	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	1459 49334	2839 124512	6410 172789	14072 274848	27334	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	65286	159886	232066	7928 16986 371394	35648	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	23831	60029	70796	6796 117986	12975	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	109338	301530	403214	28577 656376	59053	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	238082	588487	806604	65184 1306012	132223	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	240567	606621	828342	63963 1323237	131099	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	197376	486692	674886	53522 1085649	107002	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	238113	590076	839052	62885 1349277	127944	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	227913	551642	773999	60148 1246003	122255	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	119767	291539	438285	32179 687941	62042	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	229883	556685	776104	60668 1253763	126402	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	94804	231433	355245	28199 559305	52294	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	92062	217071	310155	23118 499919	48872	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.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 12:45 Calibration End Date: 04/06/2016 16:05 Calibration ID: 55196

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		506					0.500			
Carbamazepine	CRY	Ave	79392	181726	271588	452529	38871	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	63371	155552	229074	353547	33926	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	6756 189060	11416 455060	22902 649569	50930 1043984	103597	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	128934	307888	443572	32563 731466	69178	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	175679	410527	583463	46544 952417	96178	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	199353	478963	687725	50366 1137703	101968	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	4631 150211	8336 345408	16021 502598	40172 834011	79847	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	4503 148360	8100 362959	17745 521535	39425 830700	78408	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	4022 140074	7297 329172	16593 483716	35318 772810	73009	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	3403 115942	6329 279423	13308 431504	29126 689592	59341	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	3066 118542	5854 282114	13601 417013	29527 678356	59167	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	113813	275203	407364	29419 663476	58053	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	6010 110756	15605 344936	35697 434242	67137		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	7821 135014	19099 415958	43487 513805	80944		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	4072 121573	7264 368321	17193 462296	39104 829710	74337	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	5939 194317	11395 574940	27845 735758	60185 1303542	115952	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	1335 22565	3254 61140	6880 81840	12935		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	4608 160390	8609 428705	21672 579148	47975 1057352	89443	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178271.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 06-Apr-2016 12:45:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-002
 Misc. Info.: ccvis
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:06:30 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: zhaoc

Date: 06-Apr-2016 13:13:26

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	1.857	1.857	0.000	93	163712	50.0	51.4	
2 N-Nitrosodimethylamine	74	2.093	2.093	0.000	90	220710	50.0	52.0	
3 Pyridine	79	2.128	2.128	0.000	97	396362	50.0	51.6	
\$ 4 2-Fluorophenol	112	3.281	3.281	0.000	92	344936	50.0	51.7	
\$ 6 Phenol-d5	99	4.198	4.198	0.000	95	415958	50.0	51.4	
7 Phenol	94	4.216	4.216	0.000	98	403717	50.0	50.6	
8 Aniline	93	4.245	4.245	0.000	99	490316	50.0	51.1	
9 Bis(2-chloroethyl)ether	93	4.310	4.310	0.000	99	319624	50.0	50.4	
10 Benzonitrile	103	4.334	4.334	0.000	0	606336	NC	NC	
11 2-Chlorophenol	128	4.369	4.369	0.000	93	312161	50.0	50.4	
12 n-Decane	43	4.416	4.416	0.000	85	318087	50.0	51.8	
13 1,3-Dichlorobenzene	146	4.528	4.528	0.000	93	365652	50.0	50.2	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	97	187897	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.592	4.592	0.000	92	373512	50.0	50.0	
16 Benzyl alcohol	108	4.710	4.710	0.000	90	188842	50.0	50.4	
17 1,2-Dichlorobenzene	146	4.751	4.751	0.000	93	345482	50.0	50.1	
18 2-Methylphenol	108	4.822	4.822	0.000	86	275438	50.0	50.0	
19 2,2'-oxybis[1-chloropropan	45	4.851	4.851	0.000	88	294116	50.0	50.7	
20 N-Methylaniline	106	4.969	4.969	0.000	0	485413	NC	NC	
24 4-Methylphenol	108	4.981	4.981	0.000	85	310409	50.0	49.9	
22 Acetophenone	105	4.981	4.981	0.000	89	417373	50.0	49.9	
23 3 & 4 Methylphenol	108	4.981	4.981	0.000	86	310409	50.0	49.9	
21 N-Nitrosodi-n-propylamine	70	4.987	4.987	0.000	85	226701	50.0	49.2	
25 Hexachloroethane	117	5.092	5.092	0.000	93	145371	50.0	48.9	
\$ 26 Nitrobenzene-d5	82	5.134	5.134	0.000	87	368321	50.0	51.5	
27 Nitrobenzene	77	5.157	5.157	0.000	93	487126	50.0	50.3	
28 n,n'-Dimethylaniline	120	5.157	5.157	0.000	94	484798	50.0	51.3	
31 Isophorone	82	5.398	5.398	0.000	99	517766	50.0	50.1	
32 2-Nitrophenol	139	5.475	5.475	0.000	85	147232	50.0	49.5	
33 2,4-Dimethylphenol	122	5.516	5.516	0.000	87	235027	50.0	50.4	

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	5.610	5.610	0.000	99	330730	50.0	51.0	
35 Benzoic acid	122	5.639	5.639	0.000	87	140401	50.0	52.0	
36 2,4-Dichlorophenol	162	5.716	5.716	0.000	95	231520	50.0	50.6	
37 1,2,4-Trichlorobenzene	180	5.804	5.804	0.000	94	267883	50.0	49.0	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	606653	40.0	40.0	
39 Naphthalene	128	5.886	5.886	0.000	99	789847	50.0	49.8	
40 4-Chloroaniline	127	5.934	5.934	0.000	95	312361	50.0	50.0	
41 Hexachlorobutadiene	225	6.016	6.016	0.000	95	179144	50.0	49.4	
43 4-Chloro-3-methylphenol	107	6.416	6.416	0.000	94	223405	50.0	48.8	
45 1-Methylnaphthalene	142	6.581	6.581	0.000	93	493629	50.0	49.6	
44 2-Methylnaphthalene	142	6.681	6.681	0.000	83	424385	50.0	49.2	
46 Hexachlorocyclopentadiene	237	6.745	6.745	0.000	96	180649	50.0	52.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.751	6.751	0.000	96	264129	50.0	50.6	
48 2-tertbutyl-4-methylphenol	149	6.775	6.775	0.000	90	362826	50.0	49.9	
49 2,4,6-Trichlorophenol	196	6.857	6.857	0.000	90	154350	50.0	48.8	
50 2,4,5-Trichlorophenol	196	6.892	6.892	0.000	96	158417	50.0	49.5	
\$ 51 2-Fluorobiphenyl	172	6.945	6.945	0.000	97	574940	50.0	52.2	
52 1,1'-Biphenyl	154	7.045	7.045	0.000	96	576693	50.0	50.6	
53 2-Chloronaphthalene	162	7.069	7.069	0.000	97	450170	50.0	50.2	
54 Phenyl ether	170	7.151	7.151	0.000	87	314843	50.0	51.2	
55 2-Nitroaniline	65	7.163	7.163	0.000	93	168173	50.0	49.5	
57 1,3-Dimethylnaphthalene	156	7.286	7.286	0.000	90	368441	50.0	52.2	
58 Dimethyl phthalate	163	7.351	7.351	0.000	98	449075	50.0	49.6	
59 Coumarin	146	7.375	7.375	0.000	70	139078	50.0	49.1	
60 2,6-Dinitrotoluene	165	7.404	7.404	0.000	95	106340	50.0	50.8	
63 Acenaphthylene	152	7.480	7.480	0.000	97	634441	50.0	50.1	
64 3-Nitroaniline	138	7.575	7.575	0.000	93	103314	50.0	50.0	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	93	293236	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.639	7.639	0.000	96	531828	50.0	51.6	
67 Acenaphthene	154	7.657	7.657	0.000	95	471254	50.0	52.4	
68 2,4-Dinitrophenol	184	7.675	7.675	0.000	72	141752	100.0	96.5	
69 4-Nitrophenol	65	7.733	7.733	0.000	93	167364	100.0	97.8	
70 2,4-Dinitrotoluene	165	7.804	7.804	0.000	94	131889	50.0	49.7	
71 Dibenzofuran	168	7.828	7.828	0.000	95	578865	50.0	49.6	
72 2,3,4,6-Tetrachlorophenol	232	7.945	7.945	0.000	95	127082	50.0	49.1	
73 Diethyl phthalate	149	8.051	8.051	0.000	98	418375	50.0	49.8	
74 Fluorene	166	8.163	8.163	0.000	95	473643	50.0	49.8	
75 4-Chlorophenyl phenyl ethe	204	8.163	8.163	0.000	87	238470	50.0	50.1	
76 4-Nitroaniline	138	8.186	8.186	0.000	90	98785	50.0	51.2	
77 4,6-Dinitro-2-methylphenol	198	8.210	8.210	0.000	88	166327	100.0	103.7	
78 N-Nitrosodiphenylamine	169	8.280	8.280	0.000	67	644159	100.0	103.4	
79 1,2-Diphenylhydrazine	77	8.322	8.322	0.000	97	490899	50.0	51.6	
\$ 80 2,4,6-Tribromophenol	330	8.404	8.404	0.000	93	61140	50.0	48.6	
81 4-Bromophenyl phenyl ether	248	8.645	8.645	0.000	88	130750	50.0	50.5	
82 Hexachlorobenzene	284	8.716	8.716	0.000	97	124512	50.0	50.4	
84 Pentachlorophenol	266	8.904	8.904	0.000	92	159886	100.0	99.6	
85 Pentachloronitrobenzene	237	8.922	8.922	0.000	86	60029	50.0	52.6	
86 n-Octadecane	57	8.975	8.975	0.000	91	301530	50.0	53.8	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	402735	40.0	40.0	
88 Phenanthrene	178	9.116	9.116	0.000	98	588487	50.0	50.1	
89 Anthracene	178	9.169	9.169	0.000	99	606621	50.0	51.1	
90 Carbazole	167	9.322	9.322	0.000	96	486692	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.657	9.657	0.000	99	590076	50.0	50.1	
92 Fluoranthene	202	10.298	10.298	0.000	98	551642	50.0	49.8	
93 Benzdine	184	10.421	10.421	0.000	99	291539	50.0	49.1	
94 Pyrene	202	10.533	10.533	0.000	98	556685	50.0	50.7	
95 Bisphenol-A	213	10.563	10.563	0.000	99	231433	50.0	48.4	
\$ 96 Terphenyl-d14	244	10.686	10.686	0.000	99	428705	50.0	52.1	
97 Butyl benzyl phthalate	149	11.227	11.227	0.000	98	217071	50.0	50.3	
98 2,3,7,8-TCDD	320	11.351	11.351	0.000	16	506	0.5000	0.5000	
99 Carbamazepine	193	11.363	11.363	0.000	93	181726	50.0	49.3	
100 3,3'-Dichlorobenzidine	252	11.886	11.886	0.000	99	155552	50.0	50.8	
101 Benzo[a]anthracene	228	11.921	11.921	0.000	97	455060	50.0	48.1	
* 102 Chrysene-d12	240	11.933	11.933	0.000	99	295119	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.951	11.951	0.000	89	307888	50.0	50.1	
103 Chrysene	228	11.968	11.968	0.000	99	410527	50.0	49.4	
105 Di-n-octyl phthalate	149	12.839	12.839	0.000	97	478963	50.0	50.6	
106 Benzo[b]fluoranthene	252	13.380	13.380	0.000	98	345408	50.0	48.2	
107 Benzo[k]fluoranthene	252	13.421	13.421	0.000	99	362959	50.0	50.2	
108 Benzo[a]pyrene	252	13.839	13.839	0.000	97	329172	50.0	49.6	
* 109 Perylene-d12	264	13.921	13.921	0.000	98	221565	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.556	15.556	0.000	99	279423	50.0	49.7	
111 Dibenz(a,h)anthracene	278	15.598	15.598	0.000	97	282114	50.0	51.2	
112 Benzo[g,h,i]perylene	276	16.021	16.021	0.000	98	275203	50.0	50.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178271.D

Injection Date: 06-Apr-2016 12:45:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: ics

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

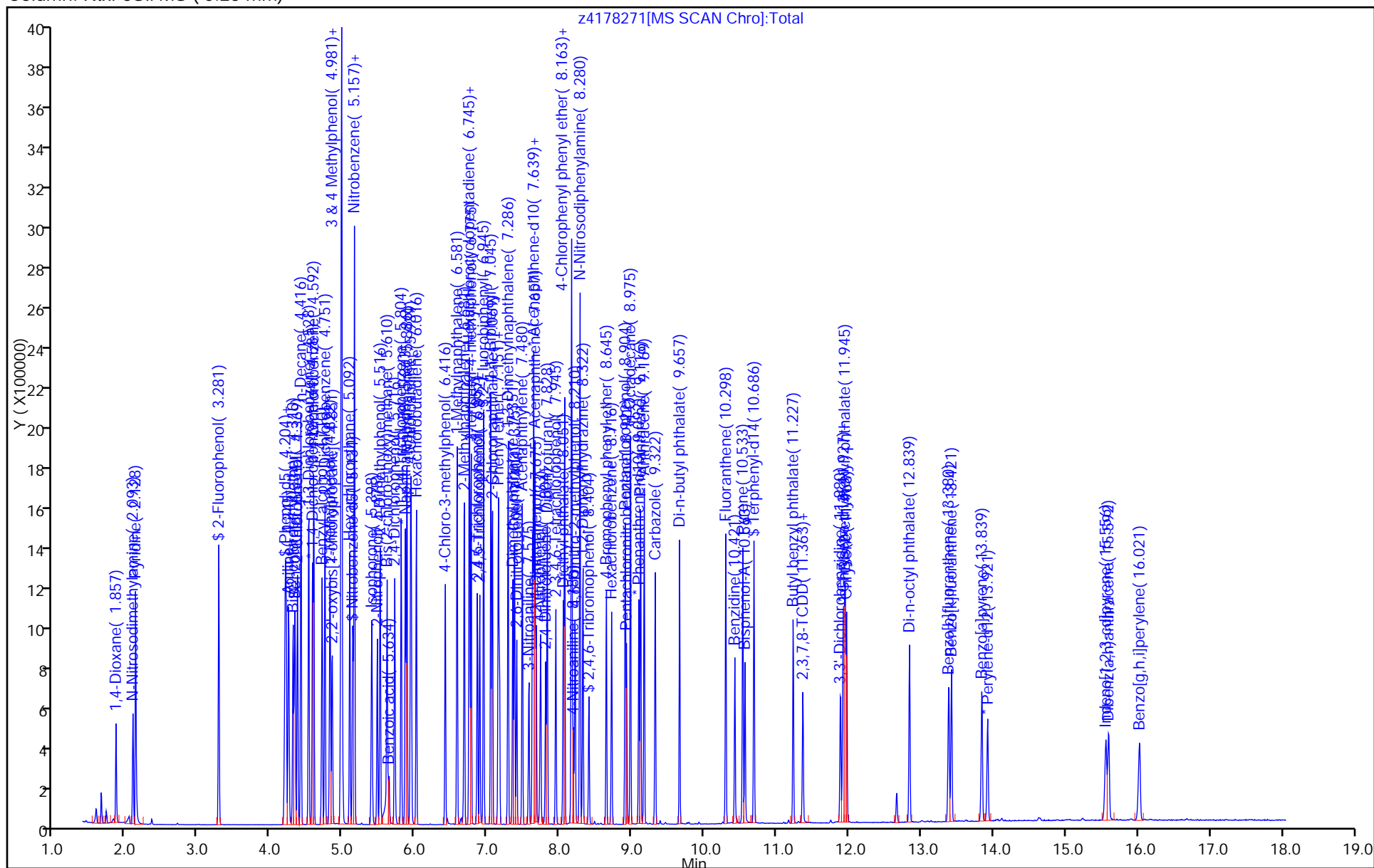
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178272.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 06-Apr-2016 13:16:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-003
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:06:43 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:45:31

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	1.852	1.857	-0.005	92	340985	120.0	129.3	
2 N-Nitrosodimethylamine	74	2.099	2.093	0.006	90	452988	120.0	128.9	
3 Pyridine	79	2.128	2.128	0.000	96	808862	120.0	127.1	
\$ 4 2-Fluorophenol	112	3.287	3.281	0.006	92	793321	120.0	143.8	
\$ 6 Phenol-d5	99	4.216	4.198	0.018	96	928687	120.0	138.7	
7 Phenol	94	4.234	4.216	0.018	96	857556	120.0	129.7	
8 Aniline	93	4.257	4.245	0.012	98	1035316	120.0	130.3	
9 Bis(2-chloroethyl)ether	93	4.322	4.310	0.012	99	678425	120.0	129.4	
10 Benzonitrile	103	4.351	4.334	0.017	0	1239270	NC	NC	
11 2-Chlorophenol	128	4.381	4.369	0.012	94	643696	120.0	125.5	
12 n-Decane	43	4.422	4.416	0.006	85	681172	120.0	134.0	
13 1,3-Dichlorobenzene	146	4.534	4.528	0.006	93	770058	120.0	127.6	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	97	155512	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.598	4.592	0.006	92	778483	120.0	125.9	
16 Benzyl alcohol	108	4.728	4.710	0.018	90	391736	120.0	126.3	
17 1,2-Dichlorobenzene	146	4.757	4.751	0.006	93	719542	120.0	126.1	
18 2-Methylphenol	108	4.834	4.822	0.012	86	567211	120.0	124.4	
19 2,2'-oxybis[1-chloropropan	45	4.857	4.851	0.006	88	624793	120.0	130.1	
20 N-Methylaniline	106	4.981	4.969	0.012	0	995496	NC	NC	
24 4-Methylphenol	108	4.998	4.981	0.017	65	642566	120.0	124.9	
22 Acetophenone	105	4.998	4.981	0.017	92	882236	120.0	127.5	
23 3 & 4 Methylphenol	108	4.998	4.981	0.017	67	642566	120.0	124.9	
21 N-Nitrosodi-n-propylamine	70	5.022	4.987	0.035	81	476214	120.0	124.8	
25 Hexachloroethane	117	5.098	5.092	0.006	94	308880	120.0	125.6	
\$ 26 Nitrobenzene-d5	82	5.145	5.134	0.011	90	829710	120.0	141.1	
27 Nitrobenzene	77	5.169	5.157	0.012	94	1016242	120.0	127.8	
28 n,n'-Dimethylaniline	120	5.169	5.157	0.012	88	1012442	120.0	129.3	
31 Isophorone	82	5.416	5.398	0.018	99	1083812	120.0	127.8	
32 2-Nitrophenol	139	5.481	5.475	0.006	85	312423	120.0	127.8	
33 2,4-Dimethylphenol	122	5.528	5.516	0.012	87	484822	120.0	126.6	
34 Bis(2-chloroethoxy)methane	93	5.616	5.610	0.006	100	687578	120.0	129.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.687	5.639	0.048	87	285541	120.0	128.6	
36 2,4-Dichlorophenol	162	5.728	5.716	0.012	95	481070	120.0	128.1	
37 1,2,4-Trichlorobenzene	180	5.810	5.804	0.006	93	562337	120.0	125.2	
* 38 Naphthalene-d8	136	5.869	5.863	0.006	100	498439	40.0	40.0	
39 Naphthalene	128	5.892	5.886	0.006	99	1670017	120.0	128.1	
40 4-Chloroaniline	127	5.945	5.934	0.011	95	664759	120.0	129.5	
41 Hexachlorobutadiene	225	6.022	6.016	0.006	95	375511	120.0	126.1	
43 4-Chloro-3-methylphenol	107	6.422	6.416	0.006	94	479287	120.0	127.4	
45 1-Methylnaphthalene	142	6.586	6.581	0.005	93	1055857	120.0	129.1	
44 2-Methylnaphthalene	142	6.686	6.681	0.005	83	909420	120.0	128.3	
46 Hexachlorocyclopentadiene	237	6.751	6.745	0.006	97	393170	120.0	134.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.757	6.751	0.006	96	553827	120.0	125.7	
48 2-tertbutyl-4-methylphenol	149	6.781	6.775	0.006	90	774715	120.0	129.6	
49 2,4,6-Trichlorophenol	196	6.863	6.857	0.006	89	325601	120.0	122.1	
50 2,4,5-Trichlorophenol	196	6.898	6.892	0.006	97	343600	120.0	127.4	
\$ 51 2-Fluorobiphenyl	172	6.951	6.945	0.006	97	1303542	120.0	140.2	
52 1,1'-Biphenyl	154	7.051	7.045	0.006	96	1224804	120.0	127.5	
53 2-Chloronaphthalene	162	7.075	7.069	0.006	97	949352	120.0	125.6	
54 Phenyl ether	170	7.157	7.151	0.006	85	660126	120.0	127.2	
55 2-Nitroaniline	65	7.175	7.163	0.012	94	360925	120.0	126.0	
57 1,3-Dimethylnaphthalene	156	7.292	7.286	0.006	91	729690	120.0	122.6	
58 Dimethyl phthalate	163	7.363	7.351	0.012	98	978782	120.0	128.2	
59 Coumarin	146	7.386	7.375	0.011	72	297839	120.0	128.0	
60 2,6-Dinitrotoluene	165	7.416	7.404	0.012	95	233917	120.0	132.6	
63 Acenaphthylene	152	7.486	7.480	0.006	97	1356755	120.0	127.1	
64 3-Nitroaniline	138	7.586	7.575	0.011	92	222848	120.0	127.7	
* 65 Acenaphthene-d10	164	7.628	7.622	0.006	92	247410	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.645	7.639	0.006	96	1126548	120.0	129.6	
67 Acenaphthene	154	7.663	7.657	0.006	95	908634	120.0	119.7	
68 2,4-Dinitrophenol	184	7.692	7.675	0.017	97	329807	240.0	264.4	
69 4-Nitrophenol	65	7.751	7.733	0.018	92	384061	240.0	265.9	
70 2,4-Dinitrotoluene	165	7.816	7.804	0.012	93	290886	120.0	129.9	
71 Dibenzofuran	168	7.833	7.828	0.005	96	1251295	120.0	127.0	
72 2,3,4,6-Tetrachlorophenol	232	7.951	7.945	0.006	94	273452	120.0	125.3	
73 Diethyl phthalate	149	8.057	8.051	0.006	98	916752	120.0	129.3	
74 Fluorene	166	8.175	8.163	0.012	96	1030790	120.0	128.4	
75 4-Chlorophenyl phenyl ethe	204	8.169	8.163	0.006	88	512965	120.0	127.6	
76 4-Nitroaniline	138	8.210	8.186	0.024	85	190279	120.0	116.9	
77 4,6-Dinitro-2-methylphenol	198	8.233	8.210	0.023	88	380518	240.0	271.0	
78 N-Nitrosodiphenylamine	169	8.292	8.280	0.012	67	1401541	240.0	257.1	
79 1,2-Diphenylhydrazine	77	8.328	8.322	0.006	97	1057580	120.0	127.0	
\$ 80 2,4,6-Tribromophenol	330	8.410	8.404	0.006	92	144550	120.0	136.1	
81 4-Bromophenyl phenyl ether	248	8.651	8.645	0.006	88	290029	120.0	128.0	
82 Hexachlorobenzene	284	8.722	8.716	0.006	97	274848	120.0	127.2	
84 Pentachlorophenol	266	8.916	8.904	0.012	92	371394	240.0	264.4	
85 Pentachloronitrobenzene	237	8.928	8.922	0.006	87	117986	120.0	118.2	
86 n-Octadecane	57	8.980	8.975	0.006	91	656376	120.0	133.8	
* 87 Phenanthrene-d10	188	9.098	9.092	0.006	99	352378	40.0	40.0	
88 Phenanthrene	178	9.128	9.116	0.012	98	1306012	120.0	127.0	
89 Anthracene	178	9.175	9.169	0.006	98	1323237	120.0	127.5	
90 Carbazole	167	9.327	9.322	0.005	96	1085649	120.0	127.8	
91 Di-n-butyl phthalate	149	9.663	9.657	0.006	99	1349277	120.0	131.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.304	10.298	0.006	98	1246003	120.0	128.5	
93 Benzidine	184	10.427	10.421	0.006	99	687941	120.0	132.3	
94 Pyrene	202	10.539	10.533	0.006	98	1253763	120.0	124.5	
95 Bisphenol-A	213	10.569	10.563	0.006	99	559305	120.0	127.7	
\$ 96 Terphenyl-d14	244	10.692	10.686	0.006	99	1057352	120.0	140.1	
97 Butyl benzyl phthalate	149	11.233	11.227	0.006	98	499919	120.0	126.4	
99 Carbamazepine	193	11.374	11.363	0.011	92	452529	120.0	134.0	
100 3,3'-Dichlorobenzidine	252	11.892	11.886	0.006	100	353547	120.0	126.0	
101 Benzo[a]anthracene	228	11.927	11.921	0.006	98	1043984	120.0	120.4	
* 102 Chrysene-d12	240	11.939	11.933	0.006	99	270454	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.957	11.951	0.006	89	731466	120.0	129.9	
103 Chrysene	228	11.980	11.968	0.012	99	952417	120.0	125.0	
105 Di-n-octyl phthalate	149	12.845	12.839	0.006	97	1137703	120.0	130.1	
106 Benzo[b]fluoranthene	252	13.392	13.380	0.012	99	834011	120.0	125.9	
107 Benzo[k]fluoranthene	252	13.433	13.421	0.012	100	830700	120.0	124.4	
108 Benzo[a]pyrene	252	13.851	13.839	0.012	97	772810	120.0	126.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	98	204703	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.574	15.556	0.018	99	689592	120.0	132.8	
111 Dibenz(a,h)anthracene	278	15.615	15.598	0.017	97	678356	120.0	133.1	
112 Benzo[g,h,i]perylene	276	16.045	16.021	0.024	98	663476	120.0	131.0	
S 119 Total Cresols	1				0			249.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178272.D

Injection Date: 06-Apr-2016 13:16:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std120

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

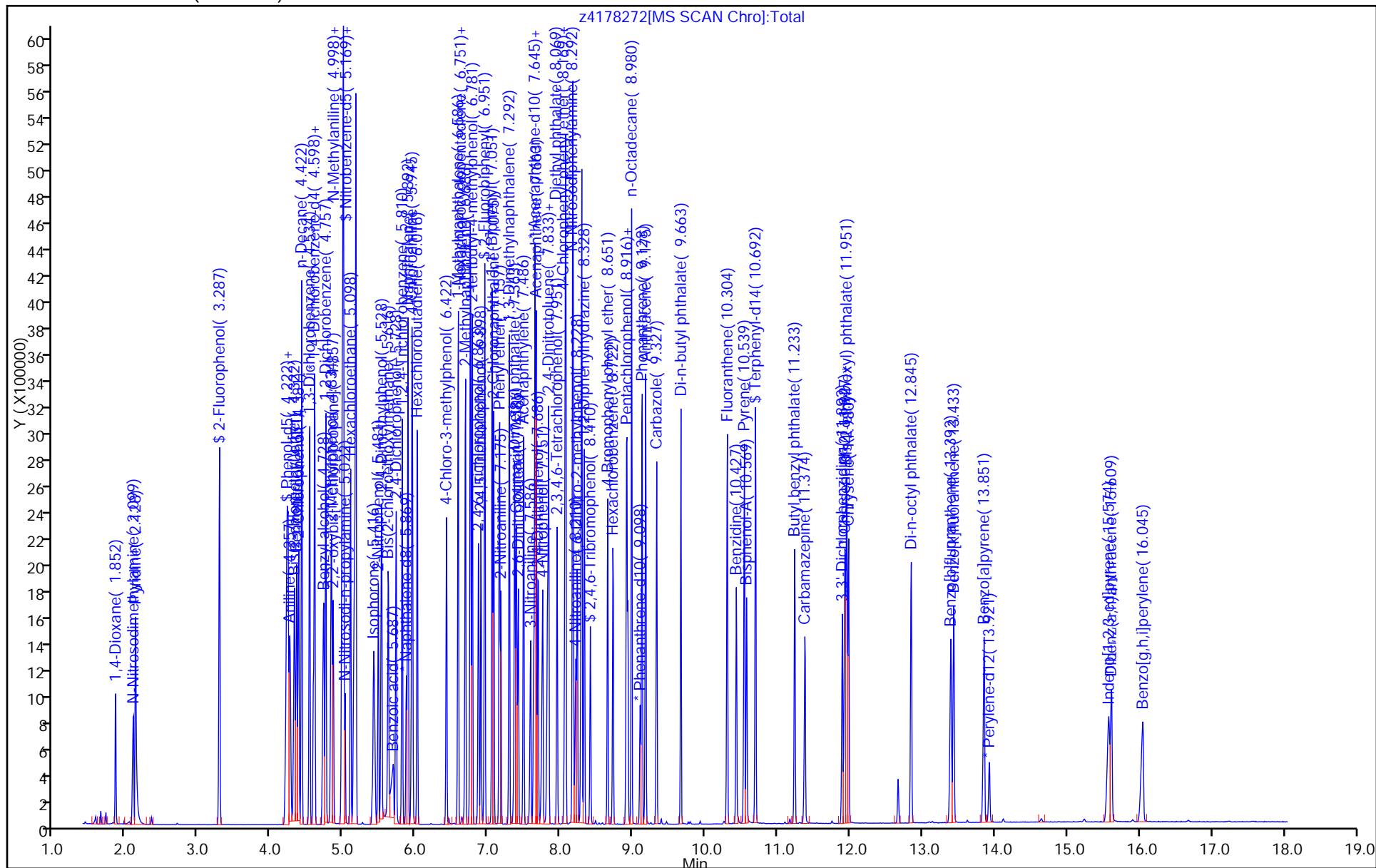
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178273.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 06-Apr-2016 13:40:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-004
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:06:54 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:47:22

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	1.857	1.857	0.000	92	216077	80.0	81.2	
2 N-Nitrosodimethylamine	74	2.099	2.093	0.006	89	281496	80.0	79.4	
3 Pyridine	79	2.134	2.128	0.006	96	508717	80.0	79.2	
\$ 4 2-Fluorophenol	112	3.287	3.281	0.006	92	434242	80.0	78.0	
\$ 6 Phenol-d5	99	4.204	4.198	0.006	94	513805	80.0	76.0	
7 Phenol	94	4.222	4.216	0.006	98	529416	80.0	79.4	
8 Aniline	93	4.251	4.245	0.006	99	637426	80.0	79.5	
9 Bis(2-chloroethyl)ether	93	4.316	4.310	0.006	99	414246	80.0	78.3	
10 Benzonitrile	103	4.345	4.334	0.011	0	757583	NC	NC	
11 2-Chlorophenol	128	4.375	4.369	0.006	93	407815	80.0	78.8	
12 n-Decane	43	4.422	4.416	0.006	84	425857	80.0	83.0	
13 1,3-Dichlorobenzene	146	4.528	4.528	0.000	92	489592	80.0	80.4	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	156913	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.598	4.592	0.006	92	494563	80.0	79.3	
16 Benzyl alcohol	108	4.716	4.710	0.006	90	245687	80.0	78.5	
17 1,2-Dichlorobenzene	146	4.751	4.751	0.000	93	455330	80.0	79.1	
18 2-Methylphenol	108	4.822	4.822	0.000	86	357039	80.0	77.6	
19 2,2'-oxybis[1-chloropropan	45	4.851	4.851	0.000	86	386288	80.0	79.7	
20 N-Methylaniline	106	4.975	4.969	0.006	0	609474	NC	NC	
24 4-Methylphenol	108	4.987	4.981	0.006	82	411642	80.0	79.3	
22 Acetophenone	105	4.987	4.981	0.006	89	552299	80.0	79.1	
23 3 & 4 Methylphenol	108	4.987	4.981	0.006	86	411642	80.0	79.3	
21 N-Nitrosodi-n-propylamine	70	4.992	4.987	0.005	86	294356	80.0	76.5	
25 Hexachloroethane	117	5.092	5.092	0.000	93	197450	80.0	79.6	
\$ 26 Nitrobenzene-d5	82	5.140	5.134	0.006	87	462296	80.0	79.0	
27 Nitrobenzene	77	5.163	5.157	0.006	92	636073	80.0	80.3	
28 n,n'-Dimethylaniline	120	5.163	5.157	0.006	88	615618	80.0	77.9	
31 Isophorone	82	5.404	5.398	0.006	100	668673	80.0	79.2	
32 2-Nitrophenol	139	5.475	5.475	0.000	85	197936	80.0	81.3	
33 2,4-Dimethylphenol	122	5.516	5.516	0.000	87	308238	80.0	80.8	
34 Bis(2-chloroethoxy)methane	93	5.616	5.610	0.006	98	427840	80.0	80.7	

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	5.651	5.639	0.012	86	190039	80.0	86.0	
36 2,4-Dichlorophenol	162	5.722	5.716	0.006	95	305713	80.0	81.7	
37 1,2,4-Trichlorobenzene	180	5.810	5.804	0.006	94	356337	80.0	79.6	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	496346	40.0	40.0	
39 Naphthalene	128	5.887	5.886	0.001	99	1047148	80.0	80.7	
40 4-Chloroaniline	127	5.939	5.934	0.005	95	415643	80.0	81.3	
41 Hexachlorobutadiene	225	6.016	6.016	0.000	95	242378	80.0	81.7	
43 4-Chloro-3-methylphenol	107	6.416	6.416	0.000	94	300775	80.0	80.3	
45 1-Methylnaphthalene	142	6.581	6.581	0.000	94	664790	80.0	81.6	
44 2-Methylnaphthalene	142	6.681	6.681	0.000	83	569039	80.0	80.6	
46 Hexachlorocyclopentadiene	237	6.745	6.745	0.000	96	243498	80.0	83.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.751	6.751	0.000	96	347876	80.0	79.6	
48 2-tertbutyl-4-methylphenol	149	6.775	6.775	0.000	90	476838	80.0	80.1	
49 2,4,6-Trichlorophenol	196	6.863	6.857	0.006	90	204075	80.0	77.2	
50 2,4,5-Trichlorophenol	196	6.892	6.892	0.000	97	218157	80.0	81.5	
\$ 51 2-Fluorobiphenyl	172	6.945	6.945	0.000	98	735758	80.0	79.8	
52 1,1'-Biphenyl	154	7.051	7.045	0.006	95	765969	80.0	80.4	
53 2-Chloronaphthalene	162	7.069	7.069	0.000	96	593843	80.0	79.2	
54 Phenyl ether	170	7.151	7.151	0.000	85	398116	80.0	77.4	
55 2-Nitroaniline	65	7.169	7.163	0.006	94	225804	80.0	79.5	
57 1,3-Dimethylnaphthalene	156	7.286	7.286	0.000	92	444553	80.0	75.3	
58 Dimethyl phthalate	163	7.351	7.351	0.000	99	604910	80.0	79.9	
59 Coumarin	146	7.375	7.375	0.000	71	184893	80.0	79.8	
60 2,6-Dinitrotoluene	165	7.410	7.404	0.006	95	143282	80.0	81.9	
63 Acenaphthylene	152	7.481	7.480	0.001	97	833064	80.0	78.7	
64 3-Nitroaniline	138	7.575	7.575	0.000	92	140580	80.0	81.2	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	93	245337	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.639	7.639	0.000	97	678269	80.0	78.7	
67 Acenaphthene	154	7.657	7.657	0.000	95	551716	80.0	73.3	
68 2,4-Dinitrophenol	184	7.681	7.675	0.006	96	203896	160.0	165.2	
69 4-Nitrophenol	65	7.739	7.733	0.006	91	237896	160.0	166.1	
70 2,4-Dinitrotoluene	165	7.810	7.804	0.006	93	178074	80.0	80.2	
71 Dibenzofuran	168	7.828	7.828	0.000	96	781130	80.0	80.0	
72 2,3,4,6-Tetrachlorophenol	232	7.945	7.945	0.000	95	172126	80.0	79.6	
73 Diethyl phthalate	149	8.051	8.051	0.000	98	566073	80.0	80.5	
74 Fluorene	166	8.169	8.163	0.006	96	633805	80.0	79.6	
75 4-Chlorophenyl phenyl ethe	204	8.163	8.163	0.000	86	319293	80.0	80.1	
76 4-Nitroaniline	138	8.192	8.186	0.006	89	134593	80.0	83.4	
77 4,6-Dinitro-2-methylphenol	198	8.216	8.210	0.006	88	239188	160.0	170.8	
78 N-Nitrosodiphenylamine	169	8.281	8.280	0.000	67	870882	160.0	160.1	
79 1,2-Diphenylhydrazine	77	8.322	8.322	0.000	97	658613	80.0	79.2	
\$ 80 2,4,6-Tribromophenol	330	8.404	8.404	0.000	92	81840	80.0	77.7	
81 4-Bromophenyl phenyl ether	248	8.645	8.645	0.000	88	181009	80.0	80.1	
82 Hexachlorobenzene	284	8.716	8.716	0.000	97	172789	80.0	80.1	
84 Pentachlorophenol	266	8.910	8.904	0.006	92	232066	160.0	165.6	
85 Pentachloronitrobenzene	237	8.922	8.922	0.000	86	70796	80.0	71.1	
86 n-Octadecane	57	8.975	8.975	0.001	91	403214	80.0	82.4	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	351569	40.0	40.0	
88 Phenanthrene	178	9.122	9.116	0.006	98	806604	80.0	78.6	
89 Anthracene	178	9.169	9.169	0.000	98	828342	80.0	80.0	
90 Carbazole	167	9.322	9.322	0.000	96	674886	80.0	79.6	
91 Di-n-butyl phthalate	149	9.657	9.657	0.000	99	839052	80.0	81.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.298	10.298	0.000	98	773999	80.0	80.0	
93 Benzidine	184	10.422	10.421	0.001	99	438285	80.0	84.5	
94 Pyrene	202	10.533	10.533	0.000	98	776104	80.0	79.2	
95 Bisphenol-A	213	10.563	10.563	0.000	99	355245	80.0	83.3	
\$ 96 Terphenyl-d14	244	10.686	10.686	0.000	99	579148	80.0	78.8	
97 Butyl benzyl phthalate	149	11.227	11.227	0.000	98	310155	80.0	80.5	
99 Carbamazepine	193	11.369	11.363	0.006	92	271588	80.0	82.6	
100 3,3'-Dichlorobenzidine	252	11.886	11.886	0.000	100	229074	80.0	83.8	
101 Benzo[a]anthracene	228	11.921	11.921	0.000	98	649569	80.0	76.9	
* 102 Chrysene-d12	240	11.933	11.933	0.000	100	263302	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.945	11.951	-0.006	89	443572	80.0	80.9	
103 Chrysene	228	11.969	11.968	0.000	99	583463	80.0	78.7	
105 Di-n-octyl phthalate	149	12.839	12.839	0.000	97	687725	80.0	81.4	
106 Benzo[b]fluoranthene	252	13.380	13.380	0.000	99	502598	80.0	78.5	
107 Benzo[k]fluoranthene	252	13.421	13.421	0.000	99	521535	80.0	80.8	
108 Benzo[a]pyrene	252	13.845	13.839	0.006	97	483716	80.0	81.6	
* 109 Perylene-d12	264	13.915	13.921	-0.006	98	197811	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.557	15.556	0.000	99	431504	80.0	86.0	
111 Dibenz(a,h)anthracene	278	15.598	15.598	0.000	98	417013	80.0	84.7	
112 Benzo[g,h,i]perylene	276	16.027	16.021	0.006	98	407364	80.0	83.2	
S 119 Total Cresols	1				0			156.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

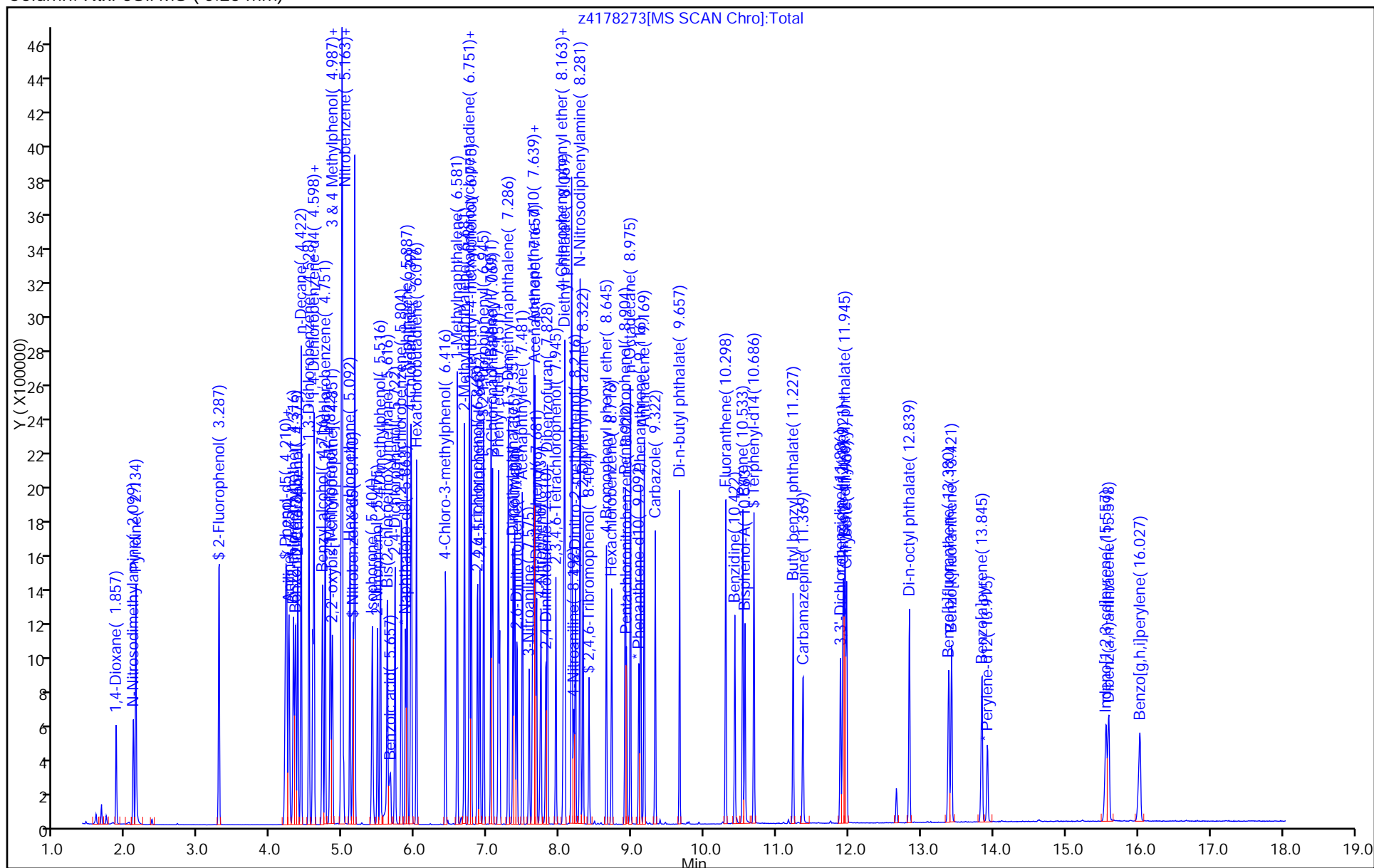
SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178273.D		
Injection Date:	06-Apr-2016 13:40:30	Instrument ID:	CBNAMS11
Lims ID:	std80		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_11R_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\CBNAMS11\20160406-39535.b\z4178274.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 06-Apr-2016 14:04:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-005
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:01 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:49:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.863	1.857	0.006	93	54182	20.0	19.2	
2 N-Nitrosodimethylamine	74	2.093	2.093	0.000	89	74559	20.0	19.8	
3 Pyridine	79	2.134	2.128	0.006	96	136073	20.0	20.0	
\$ 4 2-Fluorophenol	112	3.281	3.281	0.000	92	110756	20.0	18.8	
\$ 6 Phenol-d5	99	4.193	4.198	-0.005	95	135014	20.0	18.8	
7 Phenol	94	4.204	4.216	-0.012	97	141914	20.0	20.1	
8 Aniline	93	4.245	4.245	0.000	100	171687	20.0	20.2	
9 Bis(2-chloroethyl)ether	93	4.304	4.310	-0.006	99	111959	20.0	20.0	
10 Benzonitrile	103	4.322	4.334	-0.012	0	209314	NC	NC	
11 2-Chlorophenol	128	4.363	4.369	-0.006	92	110664	20.0	20.2	
12 n-Decane	43	4.416	4.416	0.000	84	106767	20.0	19.6	
13 1,3-Dichlorobenzene	146	4.522	4.528	-0.006	92	128250	20.0	19.9	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	97	166330	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.593	4.592	0.001	94	131945	20.0	20.0	
16 Benzyl alcohol	108	4.704	4.710	-0.006	90	67889	20.0	20.5	
17 1,2-Dichlorobenzene	146	4.751	4.751	0.000	92	123160	20.0	20.2	
18 2-Methylphenol	108	4.816	4.822	-0.006	85	99285	20.0	20.4	
19 2,2'-oxybis[1-chloropropan	45	4.845	4.851	-0.006	86	103808	20.0	20.2	
20 N-Methylaniline	106	4.969	4.969	0.000	0	170822	NC	NC	
24 4-Methylphenol	108	4.969	4.981	-0.012	81	112247	20.0	20.4	
22 Acetophenone	105	4.975	4.981	-0.006	90	151917	20.0	20.5	
23 3 & 4 Methylphenol	108	4.969	4.981	-0.012	82	112247	20.0	20.4	
21 N-Nitrosodi-n-propylamine	70	4.975	4.987	-0.012	87	82080	20.0	20.1	
25 Hexachloroethane	117	5.092	5.092	0.000	92	52377	20.0	19.9	
\$ 26 Nitrobenzene-d5	82	5.128	5.134	-0.006	89	121573	20.0	18.4	
27 Nitrobenzene	77	5.151	5.157	-0.006	93	176925	20.0	19.8	
28 n,n'-Dimethylaniline	120	5.157	5.157	0.000	94	170701	20.0	20.4	
31 Isophorone	82	5.387	5.398	-0.011	99	192119	20.0	20.2	
32 2-Nitrophenol	139	5.475	5.475	0.000	86	53968	20.0	19.7	
33 2,4-Dimethylphenol	122	5.510	5.516	-0.006	86	85761	20.0	20.0	
34 Bis(2-chloroethoxy)methane	93	5.604	5.610	-0.006	99	118925	20.0	19.9	

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	5.598	5.639	-0.041	86	53473	20.0	21.5	
36 2,4-Dichlorophenol	162	5.710	5.716	-0.006	94	84576	20.0	20.1	
37 1,2,4-Trichlorobenzene	180	5.804	5.804	0.000	94	99319	20.0	19.7	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	559118	40.0	40.0	
39 Naphthalene	128	5.881	5.886	-0.005	99	291930	20.0	20.0	
40 4-Chloroaniline	127	5.934	5.934	0.000	94	113132	20.0	19.7	
41 Hexachlorobutadiene	225	6.016	6.016	0.000	95	67292	20.0	20.1	
43 4-Chloro-3-methylphenol	107	6.410	6.416	-0.006	94	84866	20.0	20.1	
45 1-Methylnaphthalene	142	6.575	6.581	-0.006	93	183614	20.0	20.0	
44 2-Methylnaphthalene	142	6.675	6.681	-0.006	83	159535	20.0	20.1	
46 Hexachlorocyclopentadiene	237	6.745	6.745	0.000	96	62190	20.0	18.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.745	6.751	-0.006	97	98220	20.0	19.7	
48 2-tertbutyl-4-methylphenol	149	6.769	6.775	-0.006	90	134406	20.0	20.0	
49 2,4,6-Trichlorophenol	196	6.857	6.857	0.000	89	59340	20.0	19.7	
50 2,4,5-Trichlorophenol	196	6.892	6.892	0.000	96	60326	20.0	19.8	
\$ 51 2-Fluorobiphenyl	172	6.945	6.945	0.000	98	194317	20.0	18.5	
52 1,1'-Biphenyl	154	7.045	7.045	0.000	95	214575	20.0	19.8	
53 2-Chloronaphthalene	162	7.063	7.069	-0.006	97	170067	20.0	19.9	
54 Phenyl ether	170	7.145	7.151	-0.006	88	115479	20.0	19.7	
55 2-Nitroaniline	65	7.157	7.163	-0.006	94	64951	20.0	20.1	
57 1,3-Dimethylnaphthalene	156	7.281	7.286	-0.005	92	136053	20.0	20.2	
58 Dimethyl phthalate	163	7.339	7.351	-0.012	98	174090	20.0	20.2	
59 Coumarin	146	7.369	7.375	-0.006	72	53280	20.0	20.4	
60 2,6-Dinitrotoluene	165	7.398	7.404	-0.006	94	41237	20.0	20.7	
63 Acenaphthylene	152	7.481	7.480	0.001	98	243260	20.0	20.2	
64 3-Nitroaniline	138	7.563	7.575	-0.012	91	39305	20.0	19.9	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	92	279477	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.633	7.639	-0.006	96	195998	20.0	20.0	
67 Acenaphthene	154	7.651	7.657	-0.006	95	177974	20.0	20.8	
68 2,4-Dinitrophenol	184	7.669	7.675	-0.006	71	56236	40.0	40.8	
69 4-Nitrophenol	65	7.728	7.733	-0.005	91	66484	40.0	40.7	
70 2,4-Dinitrotoluene	165	7.798	7.804	-0.006	93	52397	20.0	20.7	
71 Dibenzofuran	168	7.822	7.828	-0.006	95	222458	20.0	20.0	
72 2,3,4,6-Tetrachlorophenol	232	7.939	7.945	-0.006	95	49903	20.0	20.2	
73 Diethyl phthalate	149	8.039	8.051	-0.012	98	164558	20.0	20.5	
74 Fluorene	166	8.163	8.163	0.000	96	181909	20.0	20.1	
75 4-Chlorophenyl phenyl ethe	204	8.157	8.163	-0.006	87	92136	20.0	20.3	
76 4-Nitroaniline	138	8.169	8.186	-0.017	91	38714	20.0	21.0	
77 4,6-Dinitro-2-methylphenol	198	8.204	8.210	-0.006	87	65051	40.0	39.5	
78 N-Nitrosodiphenylamine	169	8.275	8.280	-0.005	67	250090	40.0	39.1	
79 1,2-Diphenylhydrazine	77	8.316	8.322	-0.006	97	189987	20.0	19.4	
\$ 80 2,4,6-Tribromophenol	330	8.398	8.404	-0.006	93	22565	20.0	18.8	
81 4-Bromophenyl phenyl ether	248	8.639	8.645	-0.006	88	52851	20.0	19.9	
82 Hexachlorobenzene	284	8.716	8.716	0.000	97	49334	20.0	19.5	
84 Pentachlorophenol	266	8.904	8.904	0.000	91	65286	40.0	39.6	
85 Pentachloronitrobenzene	237	8.922	8.922	0.000	88	23831	20.0	20.4	
86 n-Octadecane	57	8.975	8.975	0.001	90	109338	20.0	19.0	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	413362	40.0	40.0	
88 Phenanthrene	178	9.116	9.116	0.000	97	238082	20.0	19.7	
89 Anthracene	178	9.163	9.169	-0.006	99	240567	20.0	19.8	
90 Carbazole	167	9.316	9.322	-0.006	96	197376	20.0	19.8	
91 Di-n-butyl phthalate	149	9.657	9.657	0.000	99	238113	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.292	10.298	-0.006	98	227913	20.0	20.0	
93 Benzidine	184	10.416	10.421	-0.005	99	119767	20.0	19.6	
94 Pyrene	202	10.527	10.533	-0.006	98	229883	20.0	19.8	
95 Bisphenol-A	213	10.557	10.563	-0.006	99	94804	20.0	18.8	
\$ 96 Terphenyl-d14	244	10.680	10.686	-0.006	99	160390	20.0	18.4	
97 Butyl benzyl phthalate	149	11.222	11.227	-0.005	98	92062	20.0	20.2	
99 Carbamazepine	193	11.357	11.363	-0.006	92	79392	20.0	20.4	
100 3,3'-Dichlorobenzidine	252	11.880	11.886	-0.006	100	63371	20.0	19.6	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	98	189060	20.0	18.9	
* 102 Chrysene-d12	240	11.927	11.933	-0.006	99	312220	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.945	11.951	-0.006	89	128934	20.0	19.8	
103 Chrysene	228	11.963	11.968	-0.005	99	175679	20.0	20.0	
105 Di-n-octyl phthalate	149	12.833	12.839	-0.006	97	199353	20.0	19.8	
106 Benzo[b]fluoranthene	252	13.374	13.380	-0.006	98	150211	20.0	19.7	
107 Benzo[k]fluoranthene	252	13.410	13.421	-0.011	100	148360	20.0	19.3	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	97	140074	20.0	19.9	
* 109 Perylene-d12	264	13.915	13.921	-0.006	98	235074	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.545	15.556	-0.011	99	115942	20.0	19.4	
111 Dibenz(a,h)anthracene	278	15.580	15.598	-0.018	97	118542	20.0	20.3	
112 Benzo[g,h,i]perylene	276	16.004	16.021	-0.017	98	113813	20.0	19.6	
S 119 Total Cresols	1				0			40.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

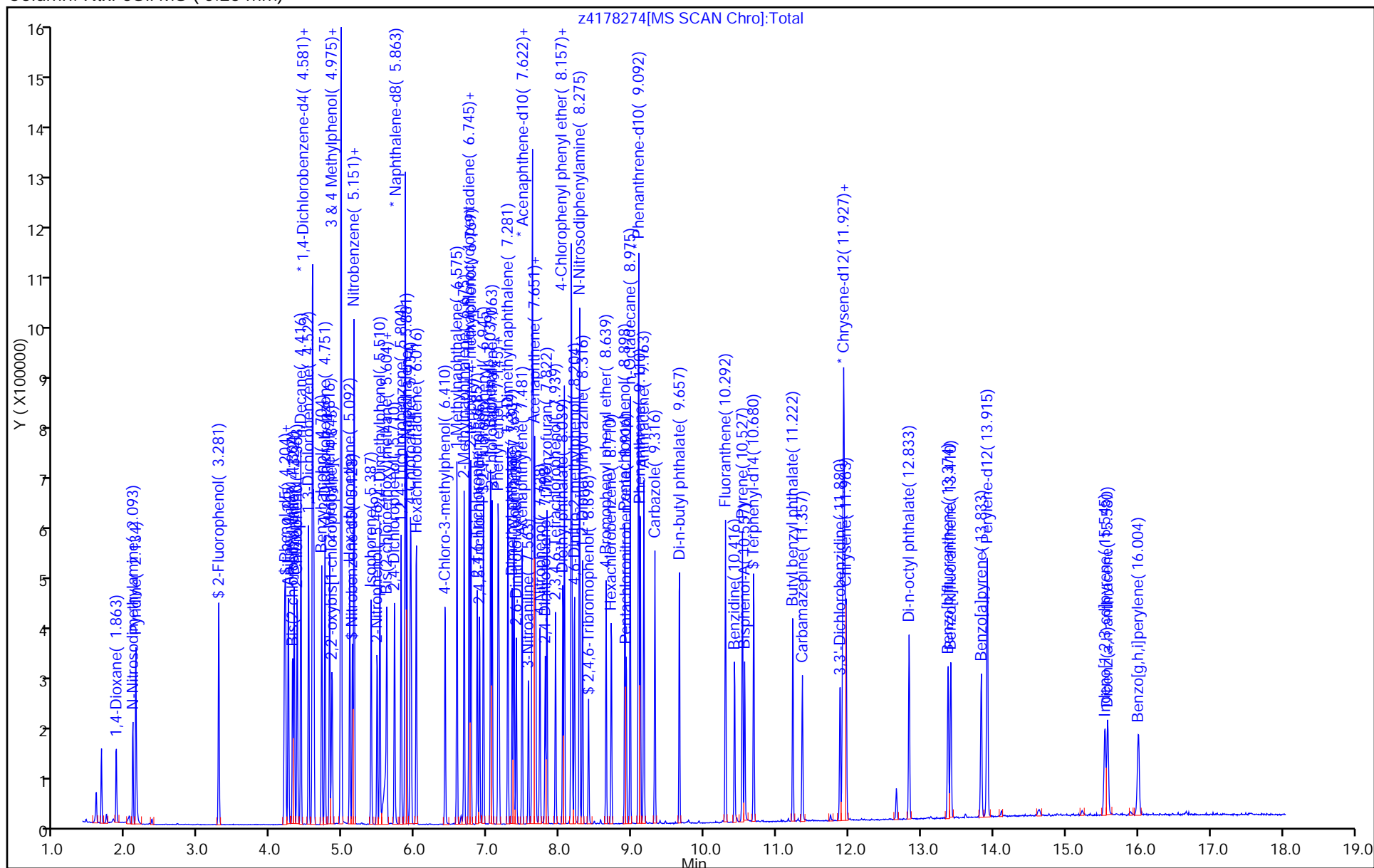
SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178274.D		
Injection Date:	06-Apr-2016 14:04:30	Instrument ID:	CBNAMS11
Lims ID:	std20		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 5



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178275.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 06-Apr-2016 14:28:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-006
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:09 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:50:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.869	1.857	0.012	90	33503	10.0	10.0	
2 N-Nitrosodimethylamine	74	2.098	2.093	0.005	90	44078	10.0	9.87	
3 Pyridine	79	2.140	2.128	0.012	96	78837	10.0	9.76	
\$ 4 2-Fluorophenol	112	3.281	3.281	0.000	92	67137	10.0	9.58	
\$ 6 Phenol-d5	99	4.187	4.198	-0.012	89	80944	10.0	9.52	
7 Phenol	94	4.198	4.216	-0.018	97	80604	10.0	9.60	
8 Aniline	93	4.239	4.245	-0.006	99	98256	10.0	9.74	
9 Bis(2-chloroethyl)ether	93	4.298	4.310	-0.012	98	63600	10.0	9.55	
10 Benzonitrile	103	4.322	4.334	-0.012	0	118765	NC	NC	
11 2-Chlorophenol	128	4.363	4.369	-0.006	94	64006	10.0	9.83	
12 n-Decane	43	4.416	4.416	0.000	83	60773	10.0	9.41	
13 1,3-Dichlorobenzene	146	4.522	4.528	-0.006	92	75529	10.0	9.86	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	97	197506	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.592	4.592	0.000	94	78414	10.0	9.99	
16 Benzyl alcohol	108	4.704	4.710	-0.006	90	38783	10.0	9.85	
17 1,2-Dichlorobenzene	146	4.751	4.751	0.000	93	71619	10.0	9.88	
18 2-Methylphenol	108	4.810	4.822	-0.012	85	58209	10.0	10.0	
19 2,2'-oxybis[1-chloropropan	45	4.845	4.851	-0.006	85	58887	10.0	9.65	
20 N-Methylaniline	106	4.969	4.969	0.000	0	97270	NC	NC	
24 4-Methylphenol	108	4.969	4.981	-0.012	82	64942	10.0	9.94	
22 Acetophenone	105	4.975	4.981	-0.006	92	85745	10.0	9.75	
23 3 & 4 Methylphenol	108	4.969	4.981	-0.012	87	64942	10.0	9.94	
21 N-Nitrosodi-n-propylamine	70	4.975	4.987	-0.012	76	47377	10.0	9.78	
25 Hexachloroethane	117	5.092	5.092	0.000	92	30410	10.0	9.74	
\$ 26 Nitrobenzene-d5	82	5.128	5.134	-0.006	87	74337	10.0	9.85	
27 Nitrobenzene	77	5.151	5.157	-0.006	95	101647	10.0	9.95	
28 n,n'-Dimethylaniline	120	5.151	5.157	-0.006	93	97661	10.0	9.82	
31 Isophorone	82	5.386	5.398	-0.012	99	108292	10.0	9.94	
32 2-Nitrophenol	139	5.469	5.475	-0.006	86	31010	10.0	9.87	
33 2,4-Dimethylphenol	122	5.510	5.516	-0.006	87	48649	10.0	9.89	
34 Bis(2-chloroethoxy)methane	93	5.604	5.610	-0.006	99	67450	10.0	9.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.575	5.639	-0.064	86	26122	10.0	9.16	
36 2,4-Dichlorophenol	162	5.710	5.716	-0.006	95	48153	10.0	9.98	
37 1,2,4-Trichlorobenzene	180	5.804	5.804	0.000	94	57498	10.0	9.97	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	640076	40.0	40.0	
39 Naphthalene	128	5.881	5.886	-0.006	99	167435	10.0	10.0	
40 4-Chloroaniline	127	5.928	5.934	-0.006	94	64867	10.0	9.84	
41 Hexachlorobutadiene	225	6.016	6.016	0.000	94	38670	10.0	10.1	
43 4-Chloro-3-methylphenol	107	6.410	6.416	-0.006	94	48234	10.0	9.99	
45 1-Methylnaphthalene	142	6.575	6.581	-0.006	94	103318	10.0	9.84	
44 2-Methylnaphthalene	142	6.675	6.681	-0.006	83	89493	10.0	9.83	
46 Hexachlorocyclopentadiene	237	6.745	6.745	0.000	97	36127	10.0	9.62	
47 1,2,4,5-Tetrachlorobenzene	216	6.745	6.751	-0.006	97	56382	10.0	9.97	
48 2-tertbutyl-4-methylphenol	149	6.769	6.775	-0.006	90	75115	10.0	9.78	
49 2,4,6-Trichlorophenol	196	6.857	6.857	0.000	90	34340	10.0	10.0	
50 2,4,5-Trichlorophenol	196	6.886	6.892	-0.006	97	34795	10.0	10.1	
\$ 51 2-Fluorobiphenyl	172	6.945	6.945	0.000	98	115952	10.0	9.72	
52 1,1'-Biphenyl	154	7.039	7.045	-0.006	97	120601	10.0	9.78	
53 2-Chloronaphthalene	162	7.063	7.069	-0.006	96	97462	10.0	10.0	
54 Phenyl ether	170	7.145	7.151	-0.006	89	64949	10.0	9.76	
55 2-Nitroaniline	65	7.157	7.163	-0.006	94	36633	10.0	9.97	
57 1,3-Dimethylnaphthalene	156	7.280	7.286	-0.006	91	75126	10.0	9.84	
58 Dimethyl phthalate	163	7.339	7.351	-0.012	98	95237	10.0	9.72	
59 Coumarin	146	7.363	7.375	-0.012	70	29022	10.0	9.71	
60 2,6-Dinitrotoluene	165	7.398	7.404	-0.006	94	22727	10.0	10.0	
63 Acenaphthylene	152	7.475	7.480	-0.005	97	134402	10.0	9.81	
64 3-Nitroaniline	138	7.563	7.575	-0.012	92	22007	10.0	9.83	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	93	317449	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.633	7.639	-0.006	96	106265	10.0	9.53	
67 Acenaphthene	154	7.651	7.657	-0.006	94	97808	10.0	10.0	
68 2,4-Dinitrophenol	184	7.663	7.675	-0.012	96	28369	20.0	18.7	
69 4-Nitrophenol	65	7.722	7.733	-0.011	91	35702	20.0	19.3	
70 2,4-Dinitrotoluene	165	7.798	7.804	-0.006	92	28379	10.0	9.88	
71 Dibenzofuran	168	7.822	7.828	-0.006	96	123600	10.0	9.78	
72 2,3,4,6-Tetrachlorophenol	232	7.939	7.945	-0.006	95	27571	10.0	9.85	
73 Diethyl phthalate	149	8.039	8.051	-0.012	98	89002	10.0	9.78	
74 Fluorene	166	8.163	8.163	0.000	96	100397	10.0	9.75	
75 4-Chlorophenyl phenyl ethe	204	8.157	8.163	-0.006	87	50018	10.0	9.70	
76 4-Nitroaniline	138	8.169	8.186	-0.017	89	21491	10.0	10.3	
77 4,6-Dinitro-2-methylphenol	198	8.198	8.210	-0.012	87	35670	20.0	19.8	
78 N-Nitrosodiphenylamine	169	8.269	8.280	-0.011	67	137207	20.0	19.6	
79 1,2-Diphenylhydrazine	77	8.316	8.322	-0.006	97	104927	10.0	9.81	
\$ 80 2,4,6-Tribromophenol	330	8.398	8.404	-0.006	92	12935	10.0	9.49	
81 4-Bromophenyl phenyl ether	248	8.639	8.645	-0.006	89	29437	10.0	10.1	
82 Hexachlorobenzene	284	8.716	8.716	0.000	96	27334	10.0	9.85	
84 Pentachlorophenol	266	8.898	8.904	-0.006	92	35648	20.0	19.8	
85 Pentachloronitrobenzene	237	8.921	8.922	-0.001	86	12975	10.0	10.1	
86 n-Octadecane	57	8.974	8.975	0.000	91	59053	10.0	9.38	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	452305	40.0	40.0	
88 Phenanthrene	178	9.116	9.116	0.000	97	132223	10.0	10.0	
89 Anthracene	178	9.163	9.169	-0.006	98	131099	10.0	9.84	
90 Carbazole	167	9.316	9.322	-0.006	96	107002	10.0	9.82	
91 Di-n-butyl phthalate	149	9.657	9.657	0.000	99	127944	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.292	10.298	-0.006	98	122255	10.0	9.82	
93 Benzidine	184	10.416	10.421	-0.005	99	62042	10.0	9.30	
94 Pyrene	202	10.527	10.533	-0.006	98	126402	10.0	10.1	
95 Bisphenol-A	213	10.557	10.563	-0.006	99	52294	10.0	9.57	
\$ 96 Terphenyl-d14	244	10.680	10.686	-0.006	99	89443	10.0	9.50	
97 Butyl benzyl phthalate	149	11.221	11.227	-0.006	98	48872	10.0	9.90	
99 Carbamazepine	193	11.357	11.363	-0.006	91	38871	10.0	9.23	
100 3,3'-Dichlorobenzidine	252	11.874	11.886	-0.012	99	33926	10.0	9.69	
101 Benzo[a]anthracene	228	11.915	11.921	-0.006	99	103597	10.0	9.58	
* 102 Chrysene-d12	240	11.927	11.933	-0.006	100	337423	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.945	11.951	-0.006	88	69178	10.0	9.85	
103 Chrysene	228	11.962	11.968	-0.006	99	96178	10.0	10.1	
105 Di-n-octyl phthalate	149	12.833	12.839	-0.006	97	101968	10.0	9.69	
106 Benzo[b]fluoranthene	252	13.368	13.380	-0.012	98	79847	10.0	10.0	
107 Benzo[k]fluoranthene	252	13.409	13.421	-0.012	99	78408	10.0	9.75	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	98	73009	10.0	9.89	
* 109 Perylene-d12	264	13.915	13.921	-0.006	99	246360	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.539	15.556	-0.017	99	59341	10.0	9.50	
111 Dibenz(a,h)anthracene	278	15.580	15.598	-0.018	96	59167	10.0	9.65	
112 Benzo[g,h,i]perylene	276	16.003	16.021	-0.018	98	58053	10.0	9.52	
S 119 Total Cresols	1				0			20.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

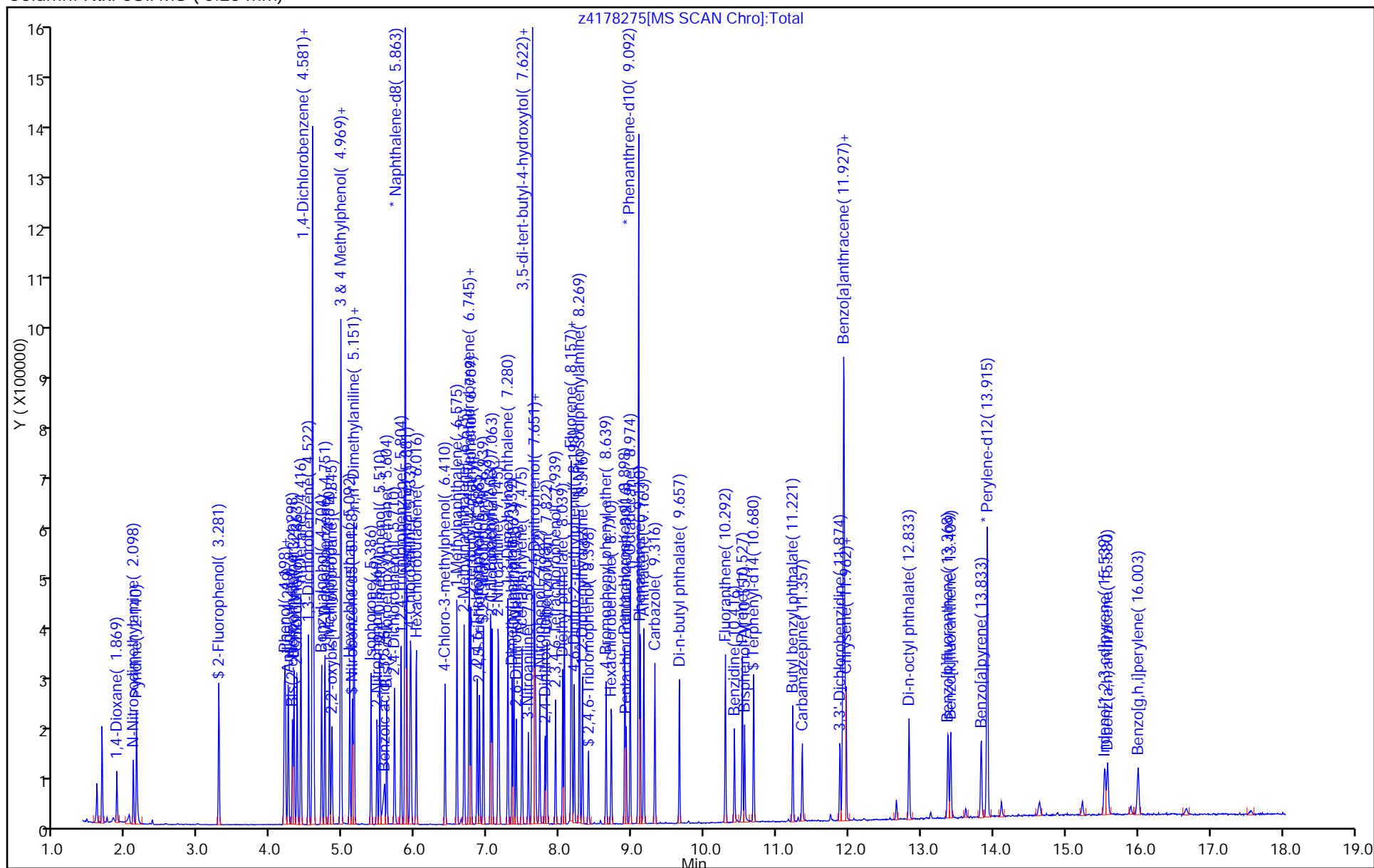
SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178275.D		
Injection Date:	06-Apr-2016 14:28:30	Instrument ID:	CBNAMS11
Lims ID:	std10		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 6



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178276.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 06-Apr-2016 14:52:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-007
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:16 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:54:48

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	1.875	1.857	0.018	91	15854	5.00	4.60	
2 N-Nitrosodimethylamine	74	2.104	2.093	0.011	87	21063	5.00	4.58	
3 Pyridine	79	2.151	2.128	0.023	96	39233	5.00	4.72	
\$ 4 2-Fluorophenol	112	3.281	3.281	0.000	91	35697	5.00	4.95	
\$ 6 Phenol-d5	99	4.187	4.198	-0.011	91	43487	5.00	4.97	
7 Phenol	94	4.198	4.216	-0.018	97	41122	5.00	4.76	
8 Aniline	93	4.240	4.245	-0.005	99	47500	5.00	4.57	
9 Bis(2-chloroethyl)ether	93	4.298	4.310	-0.012	99	32208	5.00	4.70	
10 Benzonitrile	103	4.322	4.334	-0.012	0	61656	NC	NC	
11 2-Chlorophenol	128	4.363	4.369	-0.006	93	32499	5.00	4.85	
12 n-Decane	43	4.416	4.416	0.000	83	29501	5.00	4.44	
13 1,3-Dichlorobenzene	146	4.522	4.528	-0.006	92	37426	5.00	4.74	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	203358	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.598	4.592	0.006	94	38886	5.00	4.81	
16 Benzyl alcohol	108	4.704	4.710	-0.006	89	19269	5.00	4.75	
17 1,2-Dichlorobenzene	146	4.751	4.751	0.000	93	35943	5.00	4.82	
18 2-Methylphenol	108	4.810	4.822	-0.012	84	28966	5.00	4.86	
19 2,2'-oxybis[1-chloropropan	45	4.845	4.851	-0.006	84	29256	5.00	4.66	
20 N-Methylaniline	106	4.969	4.969	0.000	0	50190	NC	NC	
24 4-Methylphenol	108	4.969	4.981	-0.012	83	32134	5.00	4.78	
22 Acetophenone	105	4.975	4.981	-0.006	93	42994	5.00	4.75	
23 3 & 4 Methylphenol	108	4.969	4.981	-0.012	87	32134	5.00	4.78	
21 N-Nitrosodi-n-propylamine	70	4.975	4.987	-0.012	70	23342	5.00	4.68	
25 Hexachloroethane	117	5.092	5.092	0.000	91	15548	5.00	4.84	
\$ 26 Nitrobenzene-d5	82	5.128	5.134	-0.006	87	39104	5.00	4.98	
27 Nitrobenzene	77	5.151	5.157	-0.006	92	49810	5.00	4.69	
28 n,n'-Dimethylaniline	120	5.151	5.157	-0.006	93	49931	5.00	4.88	
31 Isophorone	82	5.387	5.398	-0.012	100	52117	5.00	4.60	
32 2-Nitrophenol	139	5.469	5.475	-0.006	84	15671	5.00	4.79	
33 2,4-Dimethylphenol	122	5.510	5.516	-0.006	87	24064	5.00	4.70	
34 Bis(2-chloroethoxy)methane	93	5.604	5.610	-0.006	100	32497	5.00	4.57	

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	5.557	5.639	-0.082	89	12215	5.00	4.12	
36 2,4-Dichlorophenol	162	5.710	5.716	-0.006	94	24297	5.00	4.84	
37 1,2,4-Trichlorobenzene	180	5.804	5.804	0.000	93	29619	5.00	4.93	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	666277	40.0	40.0	
39 Naphthalene	128	5.881	5.886	-0.005	99	81140	5.00	4.66	
40 4-Chloroaniline	127	5.928	5.934	-0.006	94	32119	5.00	4.68	
41 Hexachlorobutadiene	225	6.016	6.016	0.000	94	19575	5.00	4.92	
43 4-Chloro-3-methylphenol	107	6.410	6.416	-0.006	94	23994	5.00	4.77	
45 1-Methylnaphthalene	142	6.575	6.581	-0.006	92	50656	5.00	4.63	
44 2-Methylnaphthalene	142	6.675	6.681	-0.006	85	45064	5.00	4.76	
46 Hexachlorocyclopentadiene	237	6.745	6.745	0.000	97	16870	5.00	4.44	
47 1,2,4,5-Tetrachlorobenzene	216	6.745	6.751	-0.006	96	27516	5.00	4.81	
48 2-tertbutyl-4-methylphenol	149	6.769	6.775	-0.006	89	37585	5.00	4.70	
49 2,4,6-Trichlorophenol	196	6.857	6.857	0.000	89	16875	5.00	4.88	
50 2,4,5-Trichlorophenol	196	6.886	6.892	-0.006	96	16343	5.00	4.67	
\$ 51 2-Fluorobiphenyl	172	6.945	6.945	0.000	98	60185	5.00	4.99	
52 1,1'-Biphenyl	154	7.045	7.045	0.000	95	59387	5.00	4.76	
53 2-Chloronaphthalene	162	7.063	7.069	-0.006	97	47004	5.00	4.79	
54 Phenyl ether	170	7.145	7.151	-0.006	87	33271	5.00	4.94	
55 2-Nitroaniline	65	7.157	7.163	-0.006	93	17909	5.00	4.82	
57 1,3-Dimethylnaphthalene	156	7.280	7.286	-0.006	90	38453	5.00	4.98	
58 Dimethyl phthalate	163	7.339	7.351	-0.012	98	47428	5.00	4.79	
59 Coumarin	146	7.363	7.375	-0.012	69	14962	5.00	4.81	
60 2,6-Dinitrotoluene	165	7.398	7.404	-0.006	92	10795	5.00	4.71	
63 Acenaphthylene	152	7.475	7.480	-0.005	97	66832	5.00	4.82	
64 3-Nitroaniline	138	7.563	7.575	-0.012	92	10654	5.00	4.71	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	93	321060	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.633	7.639	-0.006	96	53698	5.00	4.76	
67 Acenaphthene	154	7.651	7.657	-0.006	93	49080	5.00	4.98	
68 2,4-Dinitrophenol	184	7.663	7.675	-0.012	94	12843	10.0	8.93	
69 4-Nitrophenol	65	7.722	7.733	-0.011	89	16775	10.0	8.95	
70 2,4-Dinitrotoluene	165	7.798	7.804	-0.006	93	13811	5.00	4.75	
71 Dibenzofuran	168	7.822	7.828	-0.006	96	62205	5.00	4.87	
72 2,3,4,6-Tetrachlorophenol	232	7.939	7.945	-0.006	94	13888	5.00	4.91	
73 Diethyl phthalate	149	8.039	8.051	-0.012	97	42151	5.00	4.58	
74 Fluorene	166	8.163	8.163	0.000	96	50002	5.00	4.80	
75 4-Chlorophenyl phenyl ethe	204	8.157	8.163	-0.006	88	24765	5.00	4.75	
76 4-Nitroaniline	138	8.169	8.186	-0.017	91	9291	5.00	4.40	
77 4,6-Dinitro-2-methylphenol	198	8.198	8.210	-0.012	87	16162	10.0	8.81	
78 N-Nitrosodiphenylamine	169	8.269	8.280	-0.011	68	68600	10.0	9.63	
79 1,2-Diphenylhydrazine	77	8.310	8.322	-0.012	97	52649	5.00	4.84	
\$ 80 2,4,6-Tribromophenol	330	8.398	8.404	-0.006	93	6880	5.00	4.99	
81 4-Bromophenyl phenyl ether	248	8.639	8.645	-0.006	86	13561	5.00	4.58	
82 Hexachlorobenzene	284	8.716	8.716	0.000	96	14072	5.00	4.98	
84 Pentachlorophenol	266	8.898	8.904	-0.006	92	16986	10.0	9.25	
85 Pentachloronitrobenzene	237	8.916	8.922	-0.006	85	6796	5.00	5.21	
86 n-Octadecane	57	8.975	8.975	0.000	90	28577	5.00	4.46	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	460559	40.0	40.0	
88 Phenanthrene	178	9.110	9.116	-0.006	96	65184	5.00	4.85	
89 Anthracene	178	9.163	9.169	-0.006	98	63963	5.00	4.72	
90 Carbazole	167	9.316	9.322	-0.006	96	53522	5.00	4.82	
91 Di-n-butyl phthalate	149	9.657	9.657	0.000	99	62885	5.00	4.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.292	10.298	-0.006	98	60148	5.00	4.75	
93 Benzidine	184	10.416	10.421	-0.005	99	32179	5.00	4.74	
94 Pyrene	202	10.527	10.533	-0.006	98	60668	5.00	4.82	
95 Bisphenol-A	213	10.557	10.563	-0.006	99	28199	5.00	5.15	
\$ 96 Terphenyl-d14	244	10.680	10.686	-0.006	99	47975	5.00	5.09	
97 Butyl benzyl phthalate	149	11.221	11.227	-0.006	98	23118	5.00	4.68	
99 Carbamazepine	193	11.357	11.363	-0.006	93	19499	5.00	4.62	
100 3,3'-Dichlorobenzidine	252	11.874	11.886	-0.012	98	18046	5.00	5.15	
101 Benzo[a]anthracene	228	11.915	11.921	-0.006	97	50930	5.00	4.70	
* 102 Chrysene-d12	240	11.927	11.933	-0.006	100	337966	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.945	11.951	-0.006	91	32563	5.00	4.63	
103 Chrysene	228	11.963	11.968	-0.005	99	46544	5.00	4.89	
105 Di-n-octyl phthalate	149	12.833	12.839	-0.006	97	50366	5.00	4.63	
106 Benzo[b]fluoranthene	252	13.374	13.380	-0.006	98	40172	5.00	4.87	
107 Benzo[k]fluoranthene	252	13.410	13.421	-0.011	99	39425	5.00	4.74	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	98	35318	5.00	4.63	
* 109 Perylene-d12	264	13.915	13.921	-0.006	99	254646	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.539	15.556	-0.017	99	29126	5.00	4.51	
111 Dibenz(a,h)anthracene	278	15.580	15.598	-0.018	97	29527	5.00	4.66	
112 Benzo[g,h,i]perylene	276	15.998	16.021	-0.023	98	29419	5.00	4.67	
S 119 Total Cresols	1				0			9.63	

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\\CBNAMS11\\20160406-39535.b\\z4178276.D

Injection Date: 06-Apr-2016 14:52:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std5

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

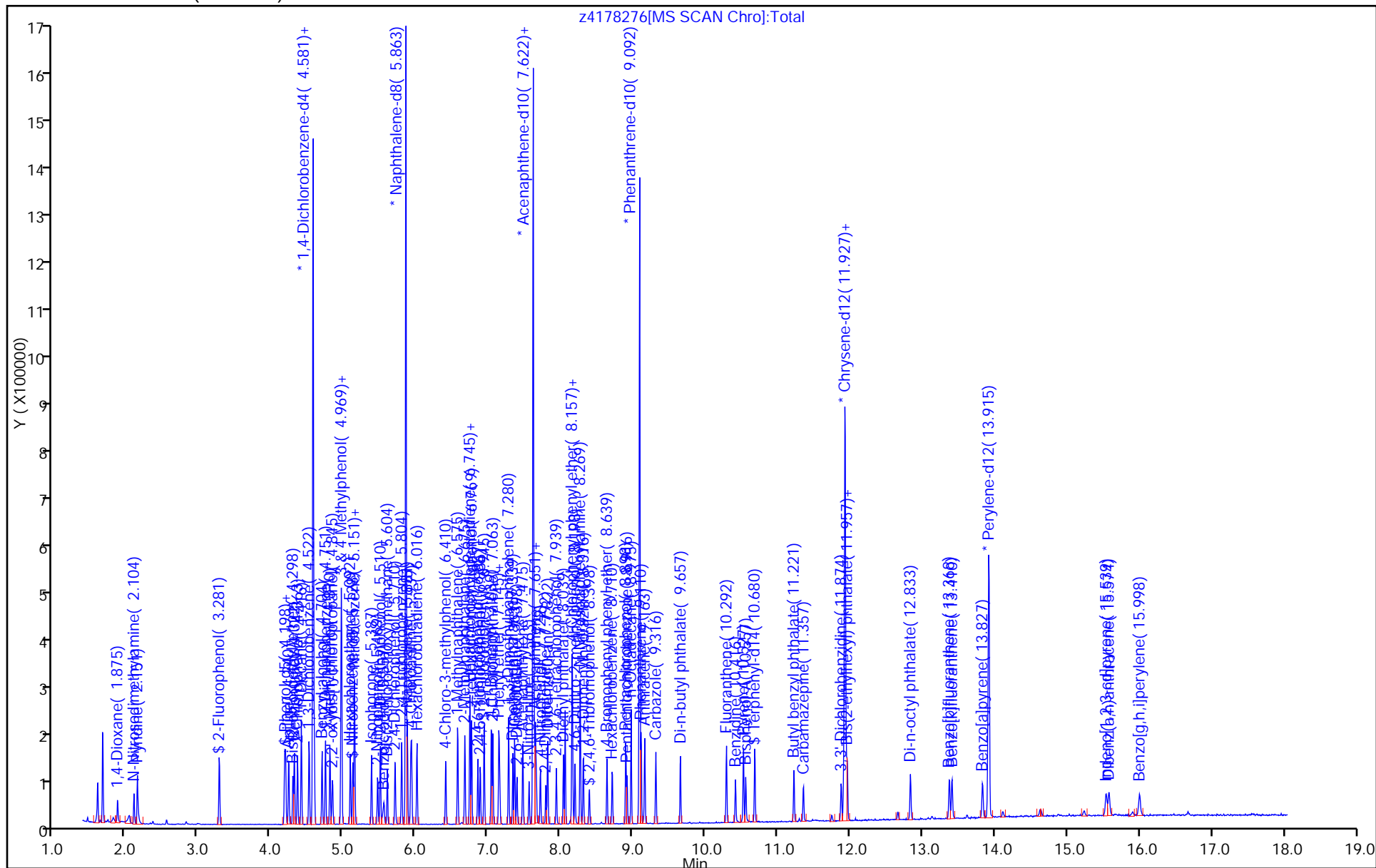
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178277.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 06-Apr-2016 15:16:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-008
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:23 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:55:50

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	3.281	3.281	0.000	91	15605	2.00	2.08	
\$ 6 Phenol-d5	99	4.187	4.198	-0.011	91	19099	2.00	2.09	
9 Bis(2-chloroethyl)ether	93	4.298	4.310	-0.012	98	13869	2.00	1.94	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	211827	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.975	4.987	-0.012	68	10094	2.00	1.94	
25 Hexachloroethane	117	5.092	5.092	0.000	93	6979	2.00	2.08	
\$ 26 Nitrobenzene-d5	82	5.128	5.134	-0.006	88	17193	2.00	2.05	
27 Nitrobenzene	77	5.151	5.157	-0.006	93	22459	2.00	1.98	
28 n,n'-Dimethylaniline	120	5.151	5.157	-0.006	92	21127	2.00	1.98	
31 Isophorone	82	5.387	5.398	-0.011	99	24720	2.00	2.04	
36 2,4-Dichlorophenol	162	5.710	5.716	-0.006	93	9969	2.00	1.86	
37 1,2,4-Trichlorobenzene	180	5.804	5.804	0.000	92	12510	2.00	1.95	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	711980	40.0	40.0	
41 Hexachlorobutadiene	225	6.016	6.016	0.000	94	8399	2.00	1.97	
49 2,4,6-Trichlorophenol	196	6.857	6.857	0.000	89	8204	2.00	2.15	
\$ 51 2-Fluorobiphenyl	172	6.945	6.945	0.000	97	27845	2.00	2.10	
60 2,6-Dinitrotoluene	165	7.398	7.404	-0.006	92	5037	2.00	2.00	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	93	353399	40.0	40.0	
68 2,4-Dinitrophenol	184	7.663	7.675	-0.012	90	5693	4.00	4.21	
70 2,4-Dinitrotoluene	165	7.798	7.804	-0.006	93	6432	2.00	2.01	
77 4,6-Dinitro-2-methylphenol	198	8.198	8.210	-0.012	90	7476	4.00	3.64	
78 N-Nitrosodiphenylamine	169	8.269	8.280	-0.011	67	31099	4.00	3.89	
\$ 80 2,4,6-Tribromophenol	330	8.398	8.404	-0.006	92	3254	2.00	2.15	
82 Hexachlorobenzene	284	8.710	8.716	-0.006	96	6410	2.00	2.03	
84 Pentachlorophenol	266	8.898	8.904	-0.006	90	7928	4.00	3.85	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	516082	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.686	10.686	0.000	99	21672	2.00	2.11	
100 3,3'-Dichlorobenzidine	252	11.874	11.886	-0.012	98	6936	2.00	1.82	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	97	22902	2.00	1.94	
* 102 Chrysene-d12	240	11.927	11.933	-0.006	100	367455	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.368	13.380	-0.012	98	16021	2.00	1.85	

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	13.410	13.421	-0.011	99	17745	2.00	2.03	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	97	16593	2.00	2.07	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	267952	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.533	15.556	-0.023	99	13308	2.00	1.96	
111 Dibenz(a,h)anthracene	278	15.574	15.598	-0.024	96	13601	2.00	2.04	

Reagents:

SV_IC_BNA_LO_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178277.D

Injection Date: 06-Apr-2016 15:16:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

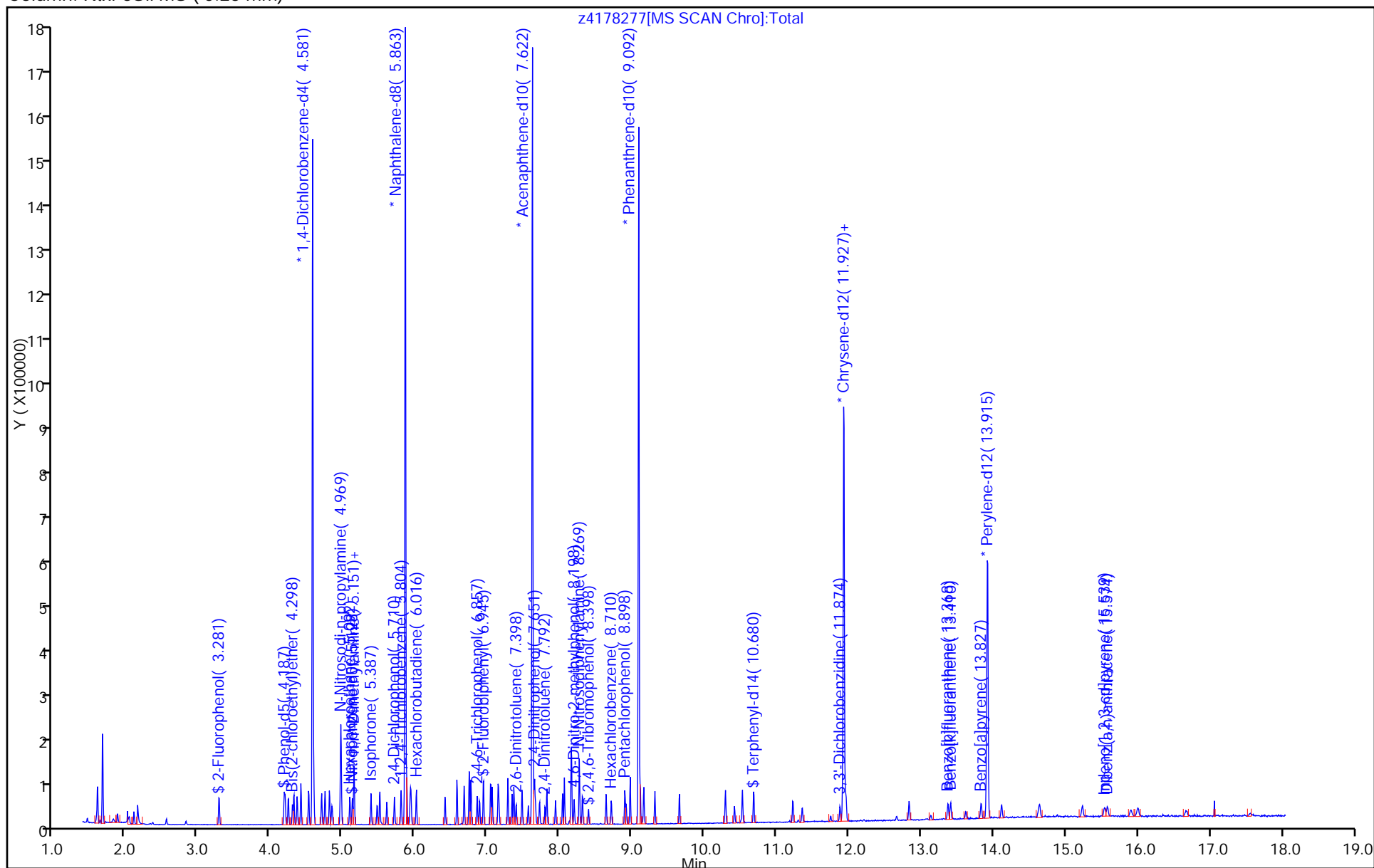
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178278.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 06-Apr-2016 15:41:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-009
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:27 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:57:09

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	3.281	3.281	0.000	91	6010	1.00	0.8694	
\$ 6 Phenol-d5	99	4.187	4.198	-0.011	88	7821	1.00	0.9323	
9 Bis(2-chloroethyl)ether	93	4.304	4.310	-0.006	98	6973	1.00	1.06	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	194791	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.975	4.987	-0.012	68	5208	1.00	1.09	
25 Hexachloroethane	117	5.093	5.092	0.001	89	3202	1.00	1.04	
\$ 26 Nitrobenzene-d5	82	5.128	5.134	-0.006	86	7264	1.00	0.9260	
27 Nitrobenzene	77	5.151	5.157	-0.006	92	10679	1.00	1.01	
28 n,n'-Dimethylaniline	120	5.151	5.157	-0.006	92	9611	1.00	0.9801	
37 1,2,4-Trichlorobenzene	180	5.804	5.804	0.000	93	6002	1.00	1.00	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	665153	40.0	40.0	
41 Hexachlorobutadiene	225	6.016	6.016	0.000	91	3780	1.00	0.9510	
\$ 51 2-Fluorobiphenyl	172	6.945	6.945	0.000	99	11395	1.00	0.9361	
60 2,6-Dinitrotoluene	165	7.398	7.404	-0.006	86	2022	1.00	0.8752	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	92	323886	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.792	7.804	-0.012	87	2758	1.00	0.9409	
\$ 80 2,4,6-Tribromophenol	330	8.398	8.404	-0.006	89	1335	1.00	0.9605	
82 Hexachlorobenzene	284	8.716	8.716	0.000	94	2839	1.00	1.00	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	462005	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.686	10.686	0.000	99	8609	1.00	0.9393	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	98	11416	1.00	1.08	
* 102 Chrysene-d12	240	11.933	11.933	0.000	99	328504	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.369	13.380	-0.011	97	8336	1.00	1.04	
107 Benzo[k]fluoranthene	252	13.410	13.421	-0.011	97	8100	1.00	1.00	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	97	7297	1.00	0.9843	
* 109 Perylene-d12	264	13.916	13.921	-0.005	99	247398	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.539	15.556	-0.017	98	6329	1.00	1.01	
111 Dibenz(a,h)anthracene	278	15.574	15.598	-0.024	95	5854	1.00	0.9506	

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178278.D

Injection Date: 06-Apr-2016 15:41:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

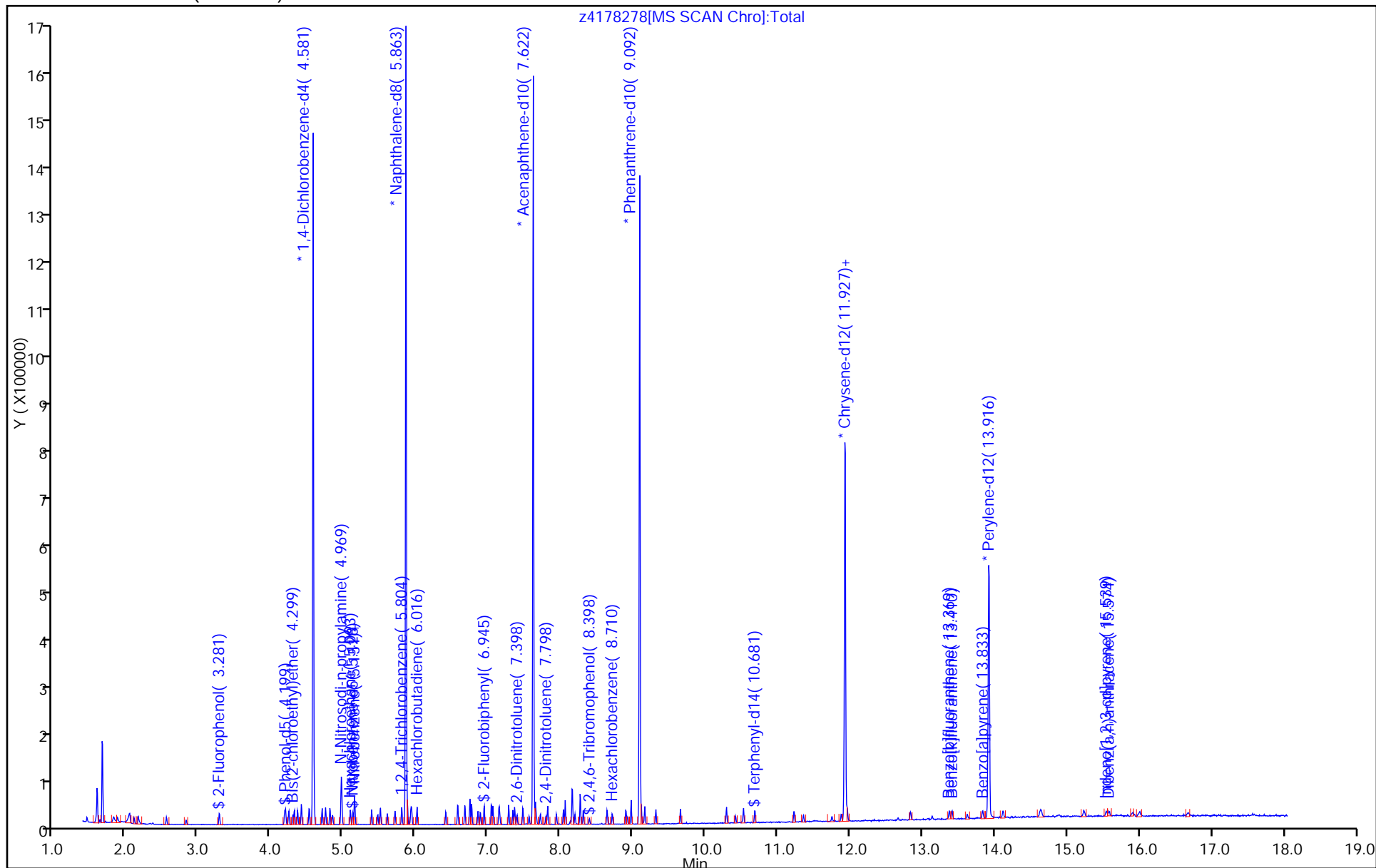
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178279.D
 Lims ID: std05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 06-Apr-2016 16:05:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-010
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:31 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:57:49

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	4.304	4.310	-0.006	97	3655	0.5000	0.5047	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	214770	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.975	4.987	-0.012	64	2735	0.5000	0.5192	
25 Hexachloroethane	117	5.093	5.092	0.001	91	1629	0.5000	0.4798	
\$ 26 Nitrobenzene-d5	82	5.128	5.134	-0.006	88	4072	0.5000	0.4776	
27 Nitrobenzene	77	5.151	5.157	-0.006	93	5792	0.5000	0.5022	
28 n,n'-Dimethylaniline	120	5.157	5.157	0.000	87	5273	0.5000	0.4877	
37 1,2,4-Trichlorobenzene	180	5.804	5.804	0.000	91	3382	0.5000	0.5190	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	722923	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.945	6.945	0.000	98	5939	0.5000	0.4562	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	93	346385	40.0	40.0	
82 Hexachlorobenzene	284	8.710	8.716	-0.006	94	1459	0.5000	0.4803	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	495355	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.680	10.686	-0.006	98	4608	0.5000	0.4605	
101 Benzo[a]anthracene	228	11.916	11.921	-0.005	98	6756	0.5000	0.5875	
* 102 Chrysene-d12	240	11.933	11.933	0.000	100	358670	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.369	13.380	-0.011	97	4631	0.5000	0.5395	
107 Benzo[k]fluoranthene	252	13.410	13.421	-0.011	97	4503	0.5000	0.5203	
108 Benzo[a]pyrene	252	13.833	13.839	-0.006	95	4022	0.5000	0.5061	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	265195	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.539	15.556	-0.017	95	3403	0.5000	0.5059	
111 Dibenz(a,h)anthracene	278	15.580	15.598	-0.018	30	3066	0.5000	0.4645	

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178279.D

Injection Date: 06-Apr-2016 16:05:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

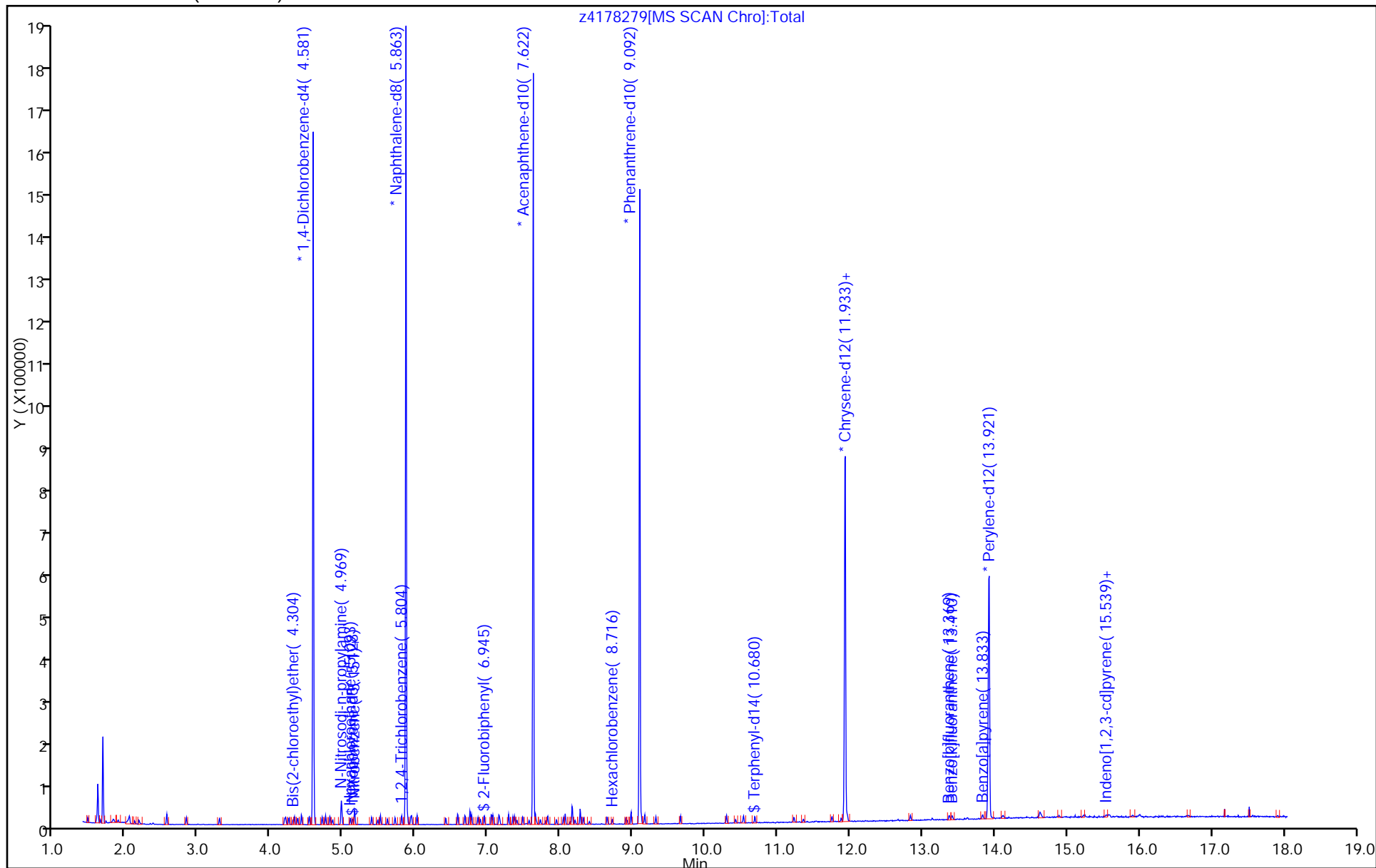
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_11R_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.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 16:29 Calibration End Date: 04/06/2016 18:54 Calibration ID: 55201

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-361066/17	z4178286.D
Level 2	STD5 460-361066/16	z4178285.D
Level 3	STD10 460-361066/15	z4178284.D
Level 4	STD20 460-361066/14	z4178283.D
Level 5	STD50 460-361066/11	z4178280.D
Level 6	STD80 460-361066/13	z4178282.D
Level 7	STD120 460-361066/12	z4178281.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	1.2728	1.2747 1.3136	1.2201	1.3453	1.3577	Ave		1.2974			0.0100	4.0		20.0			
Caprolactam	0.0835	0.0861 0.0875	0.0849	0.0939	0.0942	Ave		0.0884			0.0100	5.2		20.0			
Atrazine	0.2502 0.2197	0.2300 0.2287	0.2257	0.2448	0.2401	Ave		0.2342			0.0100	4.7		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111006-1 Analy Batch No.: 361066

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/06/2016 16:29 Calibration End Date: 04/06/2016 18:54 Calibration ID: 55201

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-361066/17	z4178286.D
Level 2	STD5 460-361066/16	z4178285.D
Level 3	STD10 460-361066/15	z4178284.D
Level 4	STD20 460-361066/14	z4178283.D
Level 5	STD50 460-361066/11	z4178280.D
Level 6	STD80 460-361066/13	z4178282.D
Level 7	STD120 460-361066/12	z4178281.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	539638	33291 825042	64642	139558	404762	80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	116071	7675 178385	14996	32448	93350	80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	7318 214798	16472 335647	30988	63388	174291	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\CBNAMS11\20160406-39535.b\z4178280.D
 Lims ID: std50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 06-Apr-2016 16:29:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-011
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:37 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:58:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.145	4.145	0.000	95	404762	50.0	52.3	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	238504	40.0	40.0	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	792466	40.0	40.0	
42 Caprolactam	113	6.269	6.269	0.000	91	93350	50.0	53.3	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	93	400156	40.0	40.0	
83 Atrazine	200	8.804	8.804	0.000	94	174291	50.0	51.3	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	580689	40.0	40.0	
* 102 Chrysene-d12	240	11.933	11.933	0.000	100	428948	40.0	40.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	324603	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178280.D

Injection Date: 06-Apr-2016 16:29:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

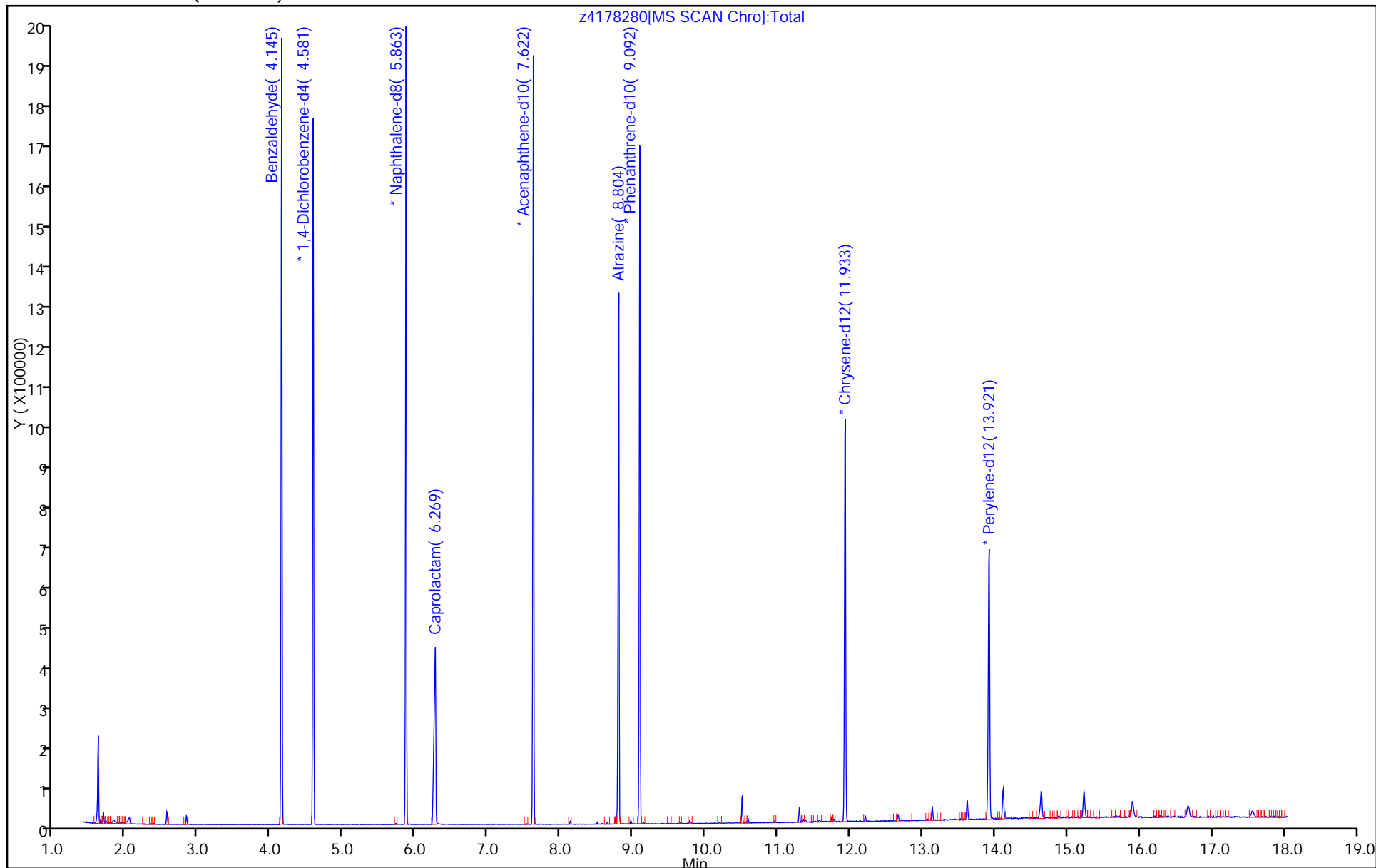
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178281.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 06-Apr-2016 16:53:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-012
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:40 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:58:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.151	4.145	0.006	95	825042	120.0	121.5	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	209353	40.0	40.0	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	679356	40.0	40.0	
42 Caprolactam	113	6.286	6.269	0.017	91	178385	120.0	118.9	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	98	300471	40.0	40.0	
83 Atrazine	200	8.810	8.804	0.006	94	335647	120.0	117.2	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	489187	40.0	40.0	
* 102 Chrysene-d12	240	11.933	11.933	0.000	99	369081	40.0	40.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	279651	40.0	40.0	

Reagents:

SV_IC-S_L8_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178281.D

Injection Date: 06-Apr-2016 16:53:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

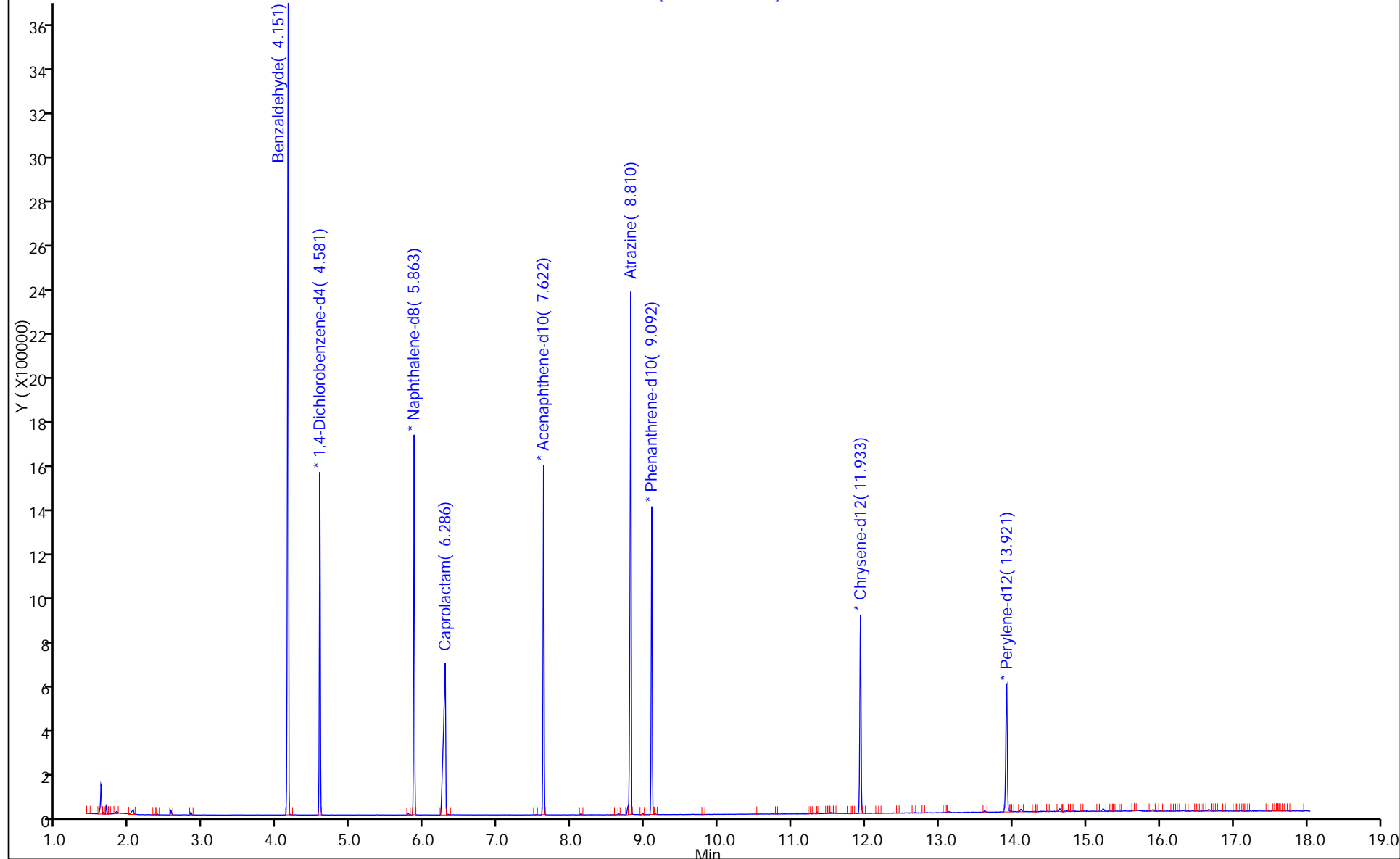
ALS Bottle#: 12

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

z4178281[MS SCAN Chro]:Total



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178282.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 06-Apr-2016 17:17:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-013
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:45 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:58:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.146	4.145	0.001	95	539638	80.0	78.5	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	211995	40.0	40.0	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	695450	40.0	40.0	
42 Caprolactam	113	6.275	6.269	0.006	91	116071	80.0	75.6	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	97	305546	40.0	40.0	
83 Atrazine	200	8.804	8.804	0.000	94	214798	80.0	75.1	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	488860	40.0	40.0	
* 102 Chrysene-d12	240	11.933	11.933	0.000	99	361507	40.0	40.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	270165	40.0	40.0	

Reagents:

SV_IC-S_L7_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178282.D

Injection Date: 06-Apr-2016 17:17:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std80

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

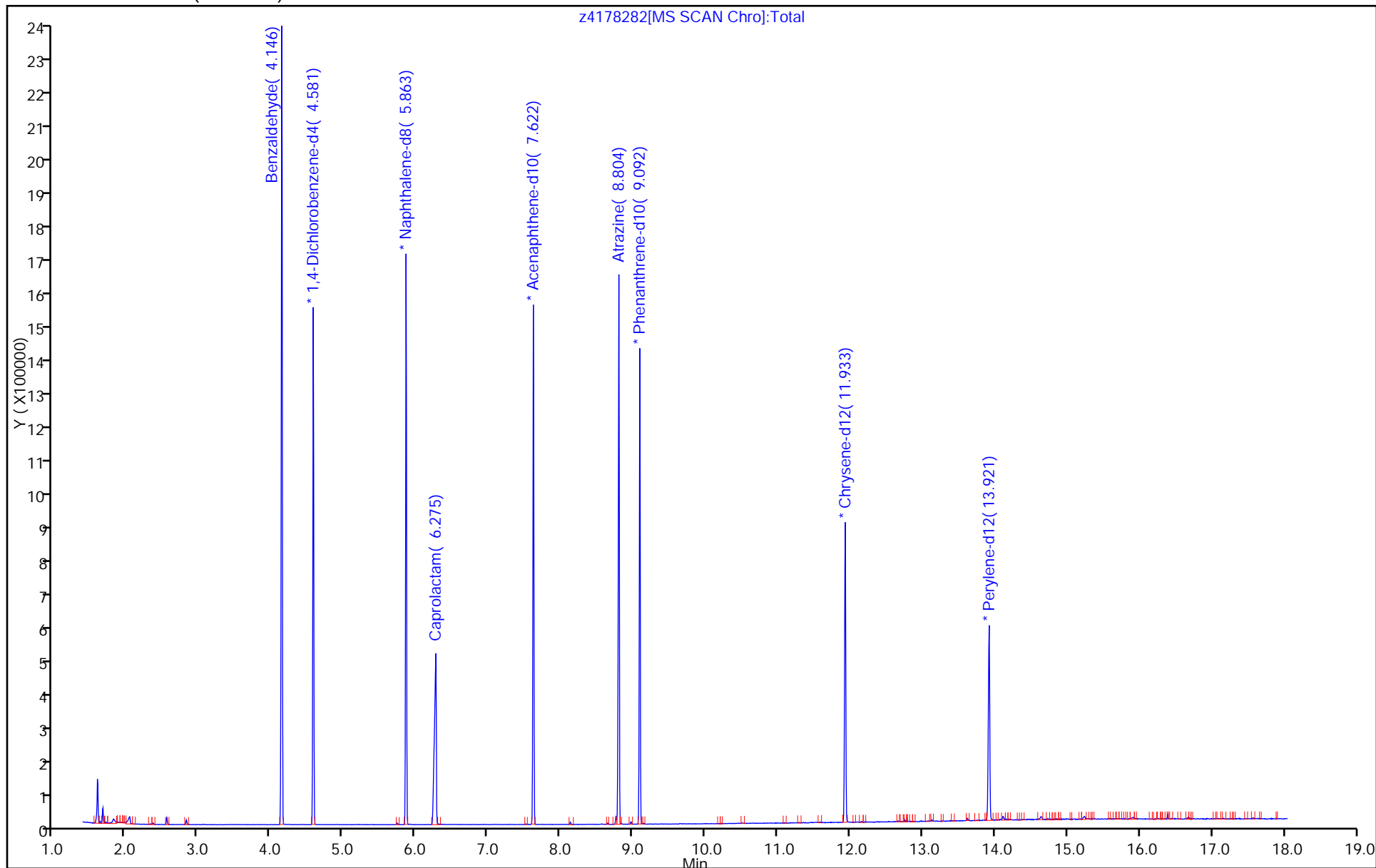
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178283.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 06-Apr-2016 17:41:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-014
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:50 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:59:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.140	4.145	-0.005	94	139558	20.0	20.7	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	97	207474	40.0	40.0	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	691001	40.0	40.0	
42 Caprolactam	113	6.251	6.269	-0.018	91	32448	20.0	21.3	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	98	316080	40.0	40.0	
83 Atrazine	200	8.798	8.804	-0.006	94	63388	20.0	20.9	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	517967	40.0	40.0	
* 102 Chrysene-d12	240	11.933	11.933	0.000	99	357529	40.0	40.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	253589	40.0	40.0	

Reagents:

SV_IC-S_L5_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178283.D

Injection Date: 06-Apr-2016 17:41:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std20

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

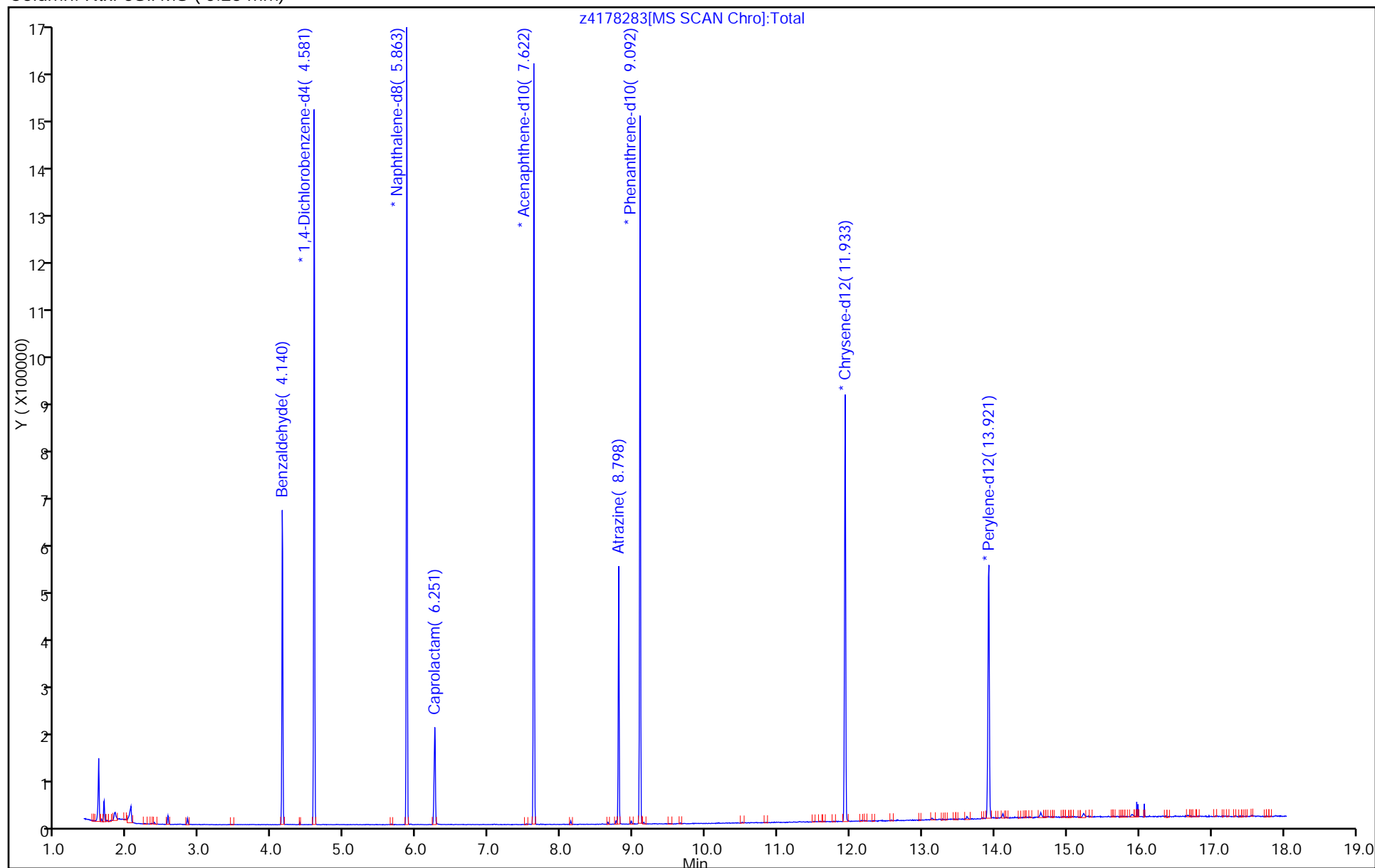
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178284.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 06-Apr-2016 18:05:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-015
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:56 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 18:59:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.140	4.145	-0.005	95	64642	10.0	9.40	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	211915	40.0	40.0	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	706409	40.0	40.0	
42 Caprolactam	113	6.245	6.269	-0.024	90	14996	10.0	9.61	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	97	326163	40.0	40.0	
83 Atrazine	200	8.798	8.804	-0.006	95	30988	10.0	9.64	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	549233	40.0	40.0	
* 102 Chrysene-d12	240	11.933	11.933	0.000	99	421827	40.0	40.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	317089	40.0	40.0	

Reagents:

SV_IC-S_L4_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178284.D

Injection Date: 06-Apr-2016 18:05:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std10

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

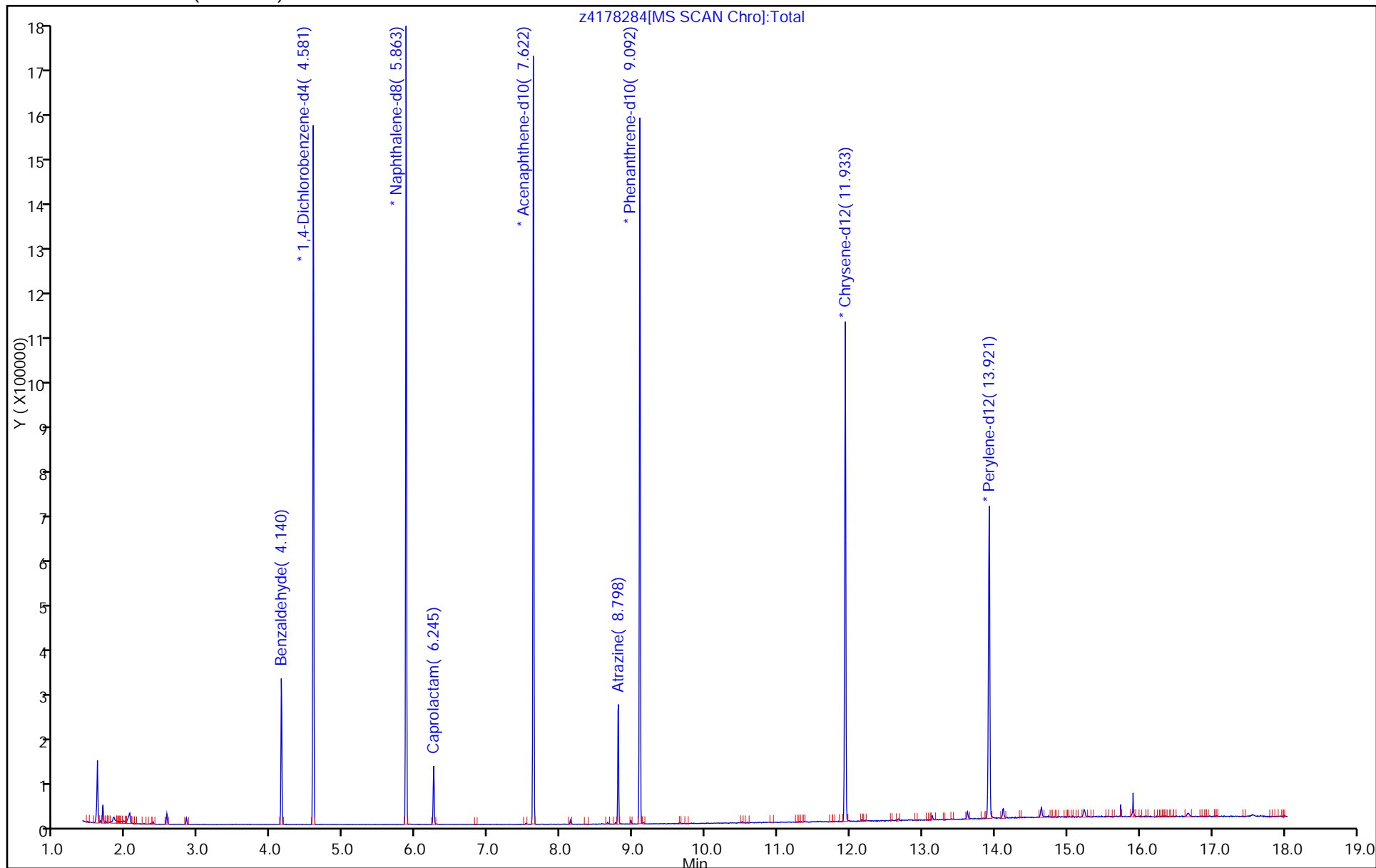
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178285.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 06-Apr-2016 18:30:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-016
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:07:59 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 19:06:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.140	4.145	-0.005	95	33291	5.00	4.91	
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	97	208938	40.0	40.0	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	713185	40.0	40.0	
42 Caprolactam	113	6.245	6.269	-0.024	92	7675	5.00	4.87	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	93	369731	40.0	40.0	
83 Atrazine	200	8.792	8.804	-0.012	94	16472	5.00	4.91	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	572882	40.0	40.0	
* 102 Chrysene-d12	240	11.933	11.933	0.000	99	414054	40.0	40.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	292033	40.0	40.0	

Reagents:

SV_IC-S_L3_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178285.D

Injection Date: 06-Apr-2016 18:30:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

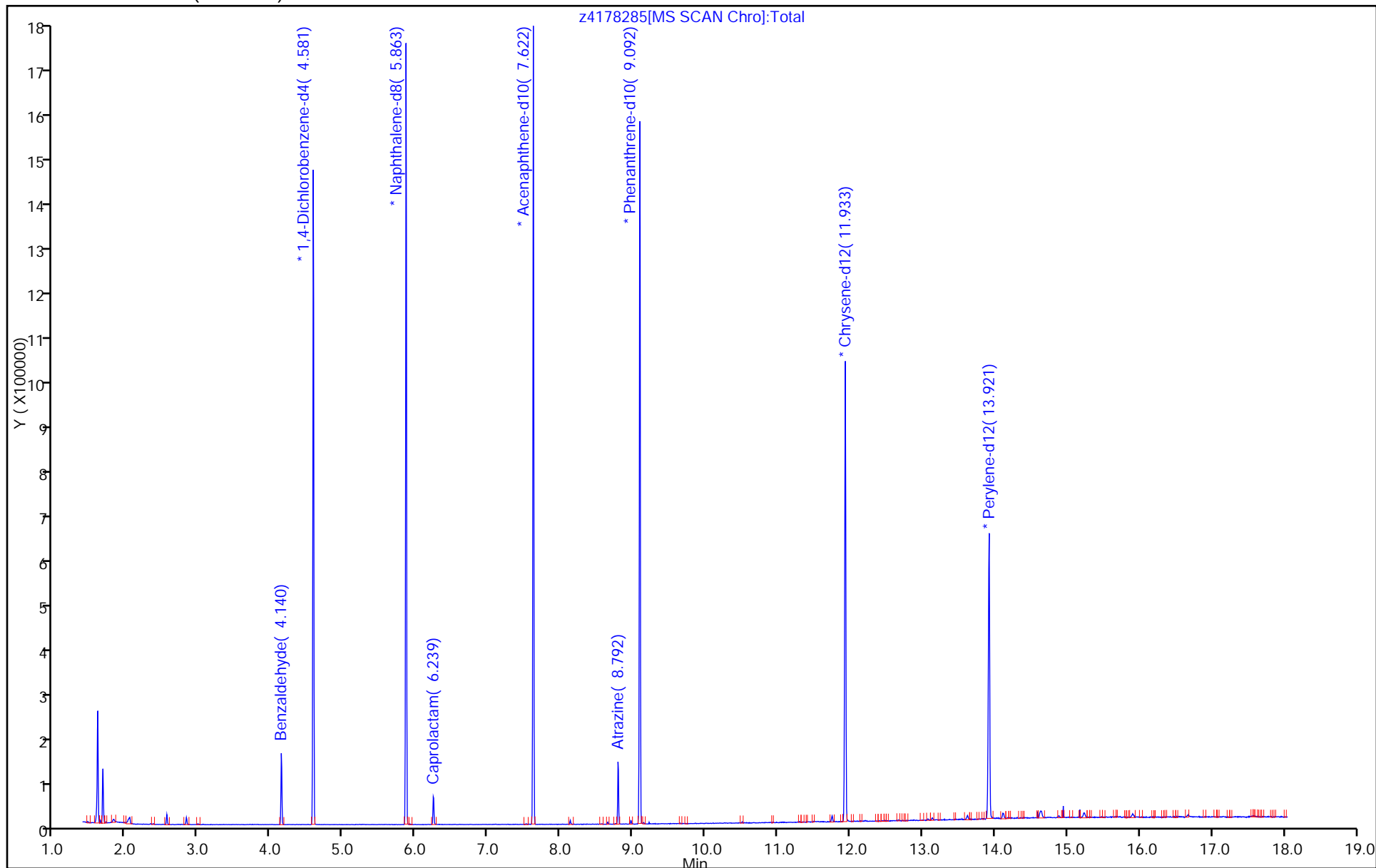
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 06-Apr-2016 18:54:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-017
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:08:03 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: croccom

Date: 06-Apr-2016 19:23:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.581	4.581	0.000	98	214403	40.0	40.0	
* 38 Naphthalene-d8	136	5.863	5.863	0.000	100	743713	40.0	40.0	
* 65 Acenaphthene-d10	164	7.622	7.622	0.000	98	347239	40.0	40.0	
83 Atrazine	200	8.792	8.804	-0.012	94	7318	2.00	2.14	
* 87 Phenanthrene-d10	188	9.092	9.092	0.000	99	585040	40.0	40.0	
* 102 Chrysene-d12	240	11.933	11.933	0.000	99	442275	40.0	40.0	
* 109 Perylene-d12	264	13.921	13.921	0.000	99	330860	40.0	40.0	

Reagents:

SV_IC-S_L2_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160406-39535.b\\z4178286.D

Injection Date: 06-Apr-2016 18:54:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

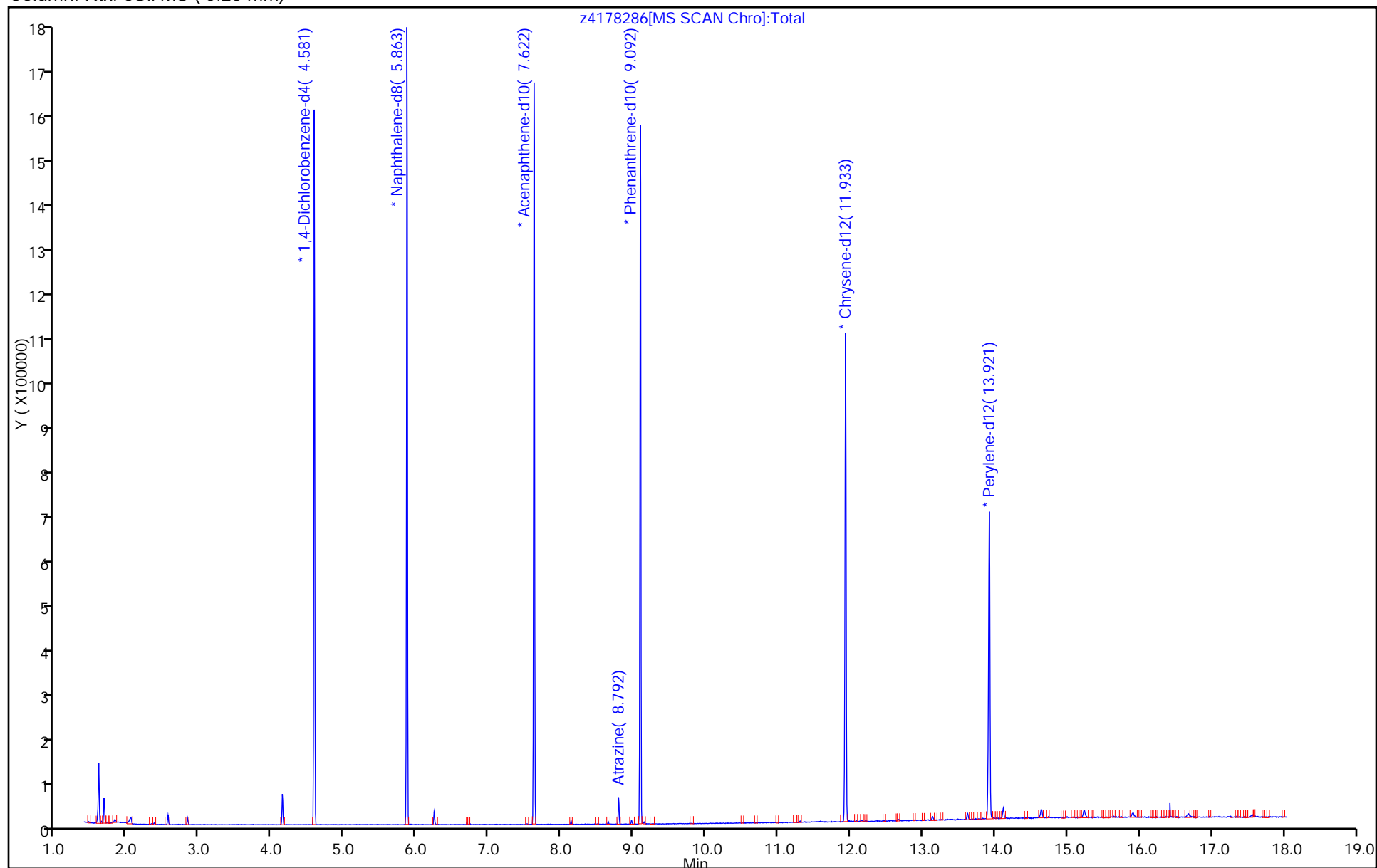
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_11R_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.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-359755/10	x12339.D
Level 2	STD1 460-359755/9	x12338.D
Level 3	STD2 460-359755/8	x12337.D
Level 4	STD5 460-359755/7	x12336.D
Level 5	STD10 460-359755/6	x12335.D
Level 6	STD20 460-359755/5	x12334.D
Level 7	ICIS 460-359755/2	x12331.D
Level 8	STD80 460-359755/4	x12333.D
Level 9	STD120 460-359755/3	x12332.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	0.6602	0.7160	0.7027	0.5981 0.8053	0.6221	Ave		0.6841				10.9		20.0			
N-Nitrosodimethylamine	0.8699	0.9242	0.8991	0.8258 0.9782	0.8624	Ave		0.8933				6.0		20.0			
Pyridine	1.5680	1.6705	1.6242	1.4139 1.7683	1.5484	Ave		1.5989				7.5		20.0			
Phenol	1.6783	1.7618	1.7954	1.5559 1.8776	1.6683	Ave		1.7229			0.8000	6.5		20.0			
Aniline	1.9999	2.0995	2.0966	1.8647 2.2296	2.0044	Ave		2.0491				6.0		20.0			
Bis(2-chloroethyl)ether	1.2962 1.2904	1.3197 1.3456	1.2332 1.3331	1.2027 1.4298	1.2545	Ave		1.3006			0.7000	5.2		20.0			
2-Chlorophenol	1.3466	1.4131	1.4041	1.2719 1.4830	1.3425	Ave		1.3769			0.8000	5.3		20.0			
n-Decane	1.2316	1.3743	1.3571	1.1012 1.6365	1.1943	Ave		1.3158				14.3		20.0			
1,3-Dichlorobenzene	1.5560	1.6014	1.6139	1.4441 1.7303	1.5159	Ave		1.5769				6.2		20.0			
1,4-Dichlorobenzene	1.5776	1.6325	1.6410	1.4633 1.7611	1.5466	Ave		1.6037				6.3		20.0			
Benzyl alcohol	0.7757	0.8187	0.7900	0.7245 0.8383	0.7997	Ave		0.7912				5.0		20.0			
1,2-Dichlorobenzene	1.4436	1.5007	1.4971	1.3592 1.5947	1.4318	Ave		1.4712				5.4		20.0			
2-Methylphenol	1.1689	1.1919	1.1756	1.1102 1.2132	1.1696	Ave		1.1716			0.7000	2.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111006-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.1738	1.2557	1.2332	1.0964 1.3686	1.1759	Ave		1.2173			0.0100	7.6		20.0			
3 & 4 Methylphenol	1.3441	1.3494	1.3546	1.2544 1.3379	1.3597	Ave		1.3333				3.0		20.0			
4-Methylphenol	1.3441	1.3494	1.3546	1.2544 1.3379	1.3597	Ave		1.3333			0.6000	3.0		20.0			
Acetophenone	1.7869	1.7688	1.7872	1.7016 1.7811	1.8085	Ave		1.7724			0.0100	2.1		20.0			
N-Nitrosodi-n-propylamine	0.9681 0.8939	0.9347 0.8506	0.8899 0.8462	0.8406 0.8596	0.9332	Ave		0.8908			0.5000	5.1		20.0			
Hexachloroethane	0.6076 0.5970	0.5771 0.6160	0.5853 0.6233	0.5504 0.6748	0.5914	Ave		0.6026			0.3000	5.8		20.0			
Nitrobenzene	0.6036 0.5749	0.5693 0.5915	0.5611 0.5875	0.5587 0.6443	0.5608	Ave		0.5835			0.2000	4.7		20.0			
n,n'-Dimethylaniline	1.8478 1.9602	1.8794 2.0588	1.8855 2.0052	1.8737 2.0061	1.9471	Ave		1.9404				3.8		20.0			
Isophorone	0.6149	0.5971	0.6294 0.5943	0.6107 0.6287	0.6161	Ave		0.6130			0.4000	2.2		20.0			
2-Nitrophenol	0.1853	0.1894	0.1916	0.1757 0.2042	0.1804	Ave		0.1878			0.1000	5.3		20.0			
2,4-Dimethylphenol	0.2960	0.2996	0.3047	0.2821 0.3235	0.2839	Ave		0.2983			0.2000	5.1		20.0			
Bis(2-chloroethoxy)methane	0.3695	0.3811	0.3810	0.3631 0.4181	0.3664	Ave		0.3799			0.3000	5.3		20.0			
Benzoic acid	0.1557	0.1540	0.1540	0.1193 0.1589	0.1378	Ave		0.1466				10.4		20.0			
2,4-Dichlorophenol	0.2717	0.2759	0.2524 0.2791	0.2558 0.2937	0.2709	Ave		0.2714			0.2000	5.2		20.0			
1,2,4-Trichlorobenzene	0.3095 0.3170	0.2997 0.3261	0.3008 0.3355	0.3105 0.3589	0.3123	Ave		0.3189				5.9		20.0			
Naphthalene	1.0117	1.0226	0.8580	0.9683 0.8203	1.0035	Ave		0.9474			0.7000	9.1		20.0			
4-Chloroaniline	0.3891	0.3879	0.4149	0.3674 0.4303	0.3824	Ave		0.3953			0.0100	5.8		20.0			
Hexachlorobutadiene	0.1902	0.1974 0.1913	0.1842 0.1955	0.1807 0.2152	0.1907	Ave		0.1932			0.0100	5.4		20.0			
4-Chloro-3-methylphenol	0.2603	0.2544	0.2592	0.2504 0.2648	0.2674	Ave		0.2594			0.2000	2.4		20.0			
2-Methylnaphthalene	0.6112	0.6192	0.6408	0.5884 0.6478	0.6201	Ave		0.6213			0.4000	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.: 460-111006-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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	0.5256	0.5168	0.5389	0.5104 0.5621	0.5196	Ave		0.5289				3.6		20.0			
Hexachlorocyclopentadiene	0.4262	0.4797	0.4841	0.3323 0.5374	0.3836	Ave		0.4406			0.0500	17.0		20.0			
1,2,4,5-Tetrachlorobenzene	0.6159	0.6740	0.6687	0.5653 0.7402	0.6083	Ave		0.6454			0.0100	9.6		20.0			
2-tertbutyl-4-methylphenol	0.4125	0.4089	0.4123	0.4019 0.4314	0.4024	Ave		0.4116				2.6		20.0			
2,4,6-Trichlorophenol	0.3886	0.4104	0.3669 0.4149	0.3572 0.4416	0.3766	Ave		0.3937			0.2000	7.6		20.0			
2,4,5-Trichlorophenol	0.3896	0.4054	0.4068	0.3564 0.4282	0.3846	Ave		0.3952			0.2000	6.2		20.0			
1,1'-Biphenyl	1.6468	1.7696	1.6477	1.4894 1.7016	1.5915	Ave		1.6411			0.0100	5.8		20.0			
2-Chloronaphthalene	1.2225	1.3146	1.3166	1.1229 1.4451	1.1989	Ave		1.2701			0.8000	8.9		20.0			
Phenyl ether	0.8313	0.8832	0.8750	0.7921 0.9496	0.8086	Ave		0.8566				6.8		20.0			
2-Nitroaniline	0.4418	0.4431	0.4387	0.4167 0.4787	0.4448	Ave		0.4440			0.0100	4.5		20.0			
1,3-Dimethylnaphthalene	1.0229	1.0887	0.9923	0.9620 1.0905	0.9741	Ave		1.0218				5.5		20.0			
Dimethyl phthalate	1.1512	1.1205	1.1620	1.1077 1.2068	1.1629	Ave		1.1518			0.0100	3.1		20.0			
Coumarin	0.1468	0.1325	0.1345	0.1529 0.1351	0.1533	Ave		0.1425				6.7		20.0			
2,6-Dinitrotoluene	0.2696	0.2387 0.2583	0.2574 0.2713	0.2529 0.2806	0.2644	Ave		0.2616			0.2000	4.9		20.0			
Acenaphthylene	1.6951	1.7443	1.7136	1.5809 1.7782	1.6681	Ave		1.6967			0.9000	4.0		20.0			
3-Nitroaniline	0.2709	0.2581	0.2603	0.2517 0.2774	0.2621	Ave		0.2634			0.0100	3.5		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.2003	1.2755	1.2582	1.0955 1.3640	1.1542	Ave		1.2246				7.8		20.0			
Acenaphthene	1.2573	1.1764	1.2048	1.1335 1.2664	1.2187	Ave		1.2095			0.9000	4.1		20.0			
2,4-Dinitrophenol	0.1426	0.1520	0.0691 0.1616	0.0973 0.1757	0.1281	Lin2	-0.395	0.1575			0.0100				0.9900		0.9900
4-Nitrophenol	0.2060	0.2008	0.2059	0.1738 0.2283	0.1956	Ave		0.2017			0.0100	8.8		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.: 460-111006-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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	0.3130	0.2740 0.2949	0.3091 0.3073	0.2952 0.3270	0.3136	Ave		0.3043			0.2000	5.3		20.0			
Dibenzofuran	1.5027	1.5382	1.5728	1.3963 1.6283	1.4845	Ave		1.5205			0.8000	5.2		20.0			
2,3,4,6-Tetrachlorophenol	0.2697	0.2723	0.2732	0.2414 0.2894	0.2652	Ave		0.2685			0.0100	5.8		20.0			
Diethyl phthalate	1.0243	0.9850	1.0274	0.9966 1.0849	1.0622	Ave		1.0301			0.0100	3.7		20.0			
4-Chlorophenyl phenyl ether	0.5747	0.5645	0.5977	0.5365 0.6209	0.5704	Ave		0.5774			0.4000	5.0		20.0			
Fluorene	1.1922	1.1715	1.2150	1.0957 1.2751	1.1739	Ave		1.1872			0.9000	5.0		20.0			
4-Nitroaniline	0.2365	0.2225	0.2296	0.2155 0.2506	0.2378	Ave		0.2321			0.0100	5.3		20.0			
4,6-Dinitro-2-methylphenol	0.1430	0.1516	0.0868 0.1535	0.1155 0.1713	0.1276	Lin2	-0.296	0.1544			0.0100				0.9940		0.9900
N-Nitrosodiphenylamine	0.6593	0.6933	0.6168 0.6943	0.6049 0.7501	0.6290	Ave		0.6640			0.0100	7.8		20.0			
1,2-Diphenylhydrazine	0.9950	1.0606	1.0277	0.9142 1.1563	0.9427	Ave		1.0161				8.6		20.0			
4-Bromophenyl phenyl ether	0.2272	0.2452	0.2450	0.2137 0.2634	0.2208	Ave		0.2359			0.1000	7.9		20.0			
Hexachlorobenzene	0.2174 0.2339	0.2059 0.2425	0.2094 0.2454	0.2101 0.2683	0.2236	Ave		0.2285			0.1000	9.1		20.0			
Pentachlorophenol	0.1412	0.1527	0.1059 0.1545	0.1174 0.1708	0.1314	Ave		0.1391			0.0500	16.2		20.0			
Pentachloronitrobenzene	0.1026	0.1048	0.0912	0.0969 0.0990	0.0977	Ave		0.0987			0.0100	4.8		20.0			
n-Octadecane	0.4816	0.5788	0.5778	0.4221 0.6825	0.4591	Ave		0.5337				18.1		20.0			
Phenanthrene	1.1200	1.1688	1.1481	1.0420 1.2800	1.0889	Ave		1.1413			0.7000	7.1		20.0			
Anthracene	1.1305	1.1864	1.1823	1.0498 1.2692	1.0960	Ave		1.1524			0.7000	6.7		20.0			
Carbazole	0.8869	0.9076	0.9016	0.8249 1.0184	0.8664	Ave		0.9010			0.0100	7.2		20.0			
Di-n-butyl phthalate	1.0702	1.1116	1.1288	0.9503 1.2524	1.0486	Ave		1.0937			0.0100	9.1		20.0			
Fluoranthene	0.9050	0.9354	0.9517	0.7837 1.0805	0.9071	Ave		0.9272			0.6000	10.3		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.: 460-111006-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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	0.3716	0.3964	0.4731	0.2710 0.5574	0.3610	Qua	0.2654	0.2901	0.0022106						1.0000		0.9900
Pyrene	1.7190	1.6685	1.6970	1.7544 1.6756	1.7352	Ave		1.7083			0.6000	2.0		20.0			
Bisphenol-A	0.5810	0.6611	0.6726	0.8635 0.6718	0.6067	Ave		0.6761				14.7		20.0			
Butyl benzyl phthalate	0.6469	0.6442	0.6516	0.6258 0.6849	0.6453	Ave		0.6498			0.0100	3.0		20.0			
2,3,7,8-TCDD		0.1445				Ave		0.1445						20.0			
Carbamazepine	0.4969	0.5188	0.5068	0.4508 0.5926	0.4724	Ave		0.5064				9.6		20.0			
3,3'-Dichlorobenzidine	0.3870	0.4293	0.3323 0.4385	0.3639 0.4697	0.3831	Ave		0.4005			0.0100	11.9		20.0			
Benzo[a]anthracene	1.4338 1.1981	1.3464 1.2127	1.2542 1.2031	1.1436 1.3063	1.1969	Ave		1.2550			0.8000	7.3		20.0			
Bis(2-ethylhexyl) phthalate	0.8155	0.8505	0.8675	0.7622 0.9607	0.8327	Ave		0.8482			0.0100	7.8		20.0			
Chrysene	1.0877	1.1202	1.1010	1.0352 1.2156	1.0995	Ave		1.1099			0.7000	5.3		20.0			
Di-n-octyl phthalate	1.6647	1.5718	1.6398	1.4776 1.7438	1.6480	Ave		1.6243			0.0100	5.6		20.0			
Benzo[b]fluoranthene	1.4402 1.2456	1.2746 1.1827	1.2673 1.2167	1.1330 1.3036	1.1737	Ave		1.2486			0.7000	7.2		20.0			
Benzo[k]fluoranthene	1.5063 1.2999	1.4158 1.2069	1.3745 1.2411	1.2126 1.3223	1.3041	Ave		1.3204			0.7000	7.5		20.0			
Benzo[a]pyrene	1.2706 1.1258	1.1396 1.1127	1.1515 1.1313	1.0464 1.2217	1.1112	Ave		1.1456			0.7000	5.7		20.0			
Indeno[1,2,3-cd]pyrene	1.2486 0.8644	0.9293 0.9556	1.0276 0.9744	0.8895 1.0402	0.7743	Ave		0.9671			0.5000	13.9		20.0			
Dibenz(a,h)anthracene	1.1815 0.8984	0.9659 0.9502	1.0829 0.9750	0.8753 +++++	0.8405	Ave		0.9827			0.4000	11.3		20.0			
Benzo[g,h,i]perylene	0.9606	0.9901	1.0164	0.9633 1.0959	0.8829	Ave		0.9848			0.5000	7.2		20.0			
2-Fluorophenol (Surr)	1.2232 1.3486	1.4067 1.5925	1.3895 1.5205	1.9270	1.3857	Ave		1.4742				14.5		20.0			
Phenol-d5 (Surr)	1.5258	1.4304 1.7513	1.6899 1.6619	1.6404 1.9278	1.6215	Ave		1.6561				8.9		20.0			
Nitrobenzene-d5 (Surr)	0.3744 0.3923	0.3749 0.4459	0.4396 0.4194	0.4244 0.5219	0.4051	Ave		0.4220				10.8		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.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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	1.2744 1.4319	1.2581 1.6783	1.5068 1.6334	1.4505 1.8326	1.4548	Ave		1.5023				12.4		20.0			
2,4,6-Tribromophenol (Surr)	0.1316	0.1106 0.1442	0.1405 0.1477	0.1358 0.1716	0.1425	Ave		0.1406				12.1		20.0			
Terphenyl-d14 (Surr)	1.0615 1.0964	1.1156 1.2066	1.2387 1.1955	1.1965 1.3468	1.1651	Ave		1.1803				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.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-359755/10	x12339.D
Level 2	STD1 460-359755/9	x12338.D
Level 3	STD2 460-359755/8	x12337.D
Level 4	STD5 460-359755/7	x12336.D
Level 5	STD10 460-359755/6	x12335.D
Level 6	STD20 460-359755/5	x12334.D
Level 7	ICIS 460-359755/2	x12331.D
Level 8	STD80 460-359755/4	x12333.D
Level 9	STD120 460-359755/3	x12332.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	693333	1722344	2576479	171828 3479374	329741	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	913585	2223114	3296507	237242 4226372	457116	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	1646799	4018349	5955083	406207 7640324	820713	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	1762588	4237912	6582962	446981 8112861	884296	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	2100345	5050120	7687296	535716 9633705	1062410	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	35798 1355215	72876 3236821	128710 4887697	345518 6178005	664919	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	1414244	3399128	5148253	365397 6407811	711590	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	1293436	3305747	4975918	316355 7070750	633043	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	1634231	3852086	5917503	414864 7476096	803476	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	1656892	3926921	6016604	420389 7609155	819778	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	814717	1969284	2896611	208135 3622296	423876	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	1516085	3609820	5489183	390484 6890140	758897	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	1227668	2867085	4310381	318956 5242094	619947	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	1232779	3020468	4521554	314995 5913543	623262	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.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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	1411659	3245807	4966585	360388 5780641	720702	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	1411659	3245807	4966585	360388 5780641	720702	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCB	Ave	1876688	4254787	6552696	488855 7695755	958592	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	26737 938828	51616 2046145	92874 3102722	241486 3713957	494647	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	16781 627047	31871 1481725	61088 2285356	158124 2915845	313469	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	57675 2106486	110785 4769232	206385 7209991	547564 8696674	1057836	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	51031 2058678	103787 4952375	196788 7352009	538303 8667868	1032051	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	2253129	4814820	7293377	598523 8485948	1162085	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	679138	1526919	2351503	172171 2756090	340243	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	1084651	2415920	3739101	276467 4365694	535551	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	1353974	3072770	4675934	355875 5643440	691096	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Ave	570637	1242128	1889898	116900 2144612	259928	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	995657	2224512	3425372	92851 250730 3964309	511017	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	29573 1161676	58307 2629691	110626 4117379	304331 4843829	589080	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	3706982	8245471	10530138	949001 11071897	1892875	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	1425544	3127537	5091644	360100 5807423	721405	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	697088	1542124	2399853	38413 67762 177106 2904295	359772	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	953657	2051557	3180874	245384 3574359	504365	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	2239478	4993032	7863677	576715 8743967	1169736	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	1925667	4167023	6614169	500273 7587247	980047	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	652992	1480414	2360004	142736 2709006	315101	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.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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	943553	2079957	3259708	242821 3731371	499730	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	1511422	3296801	5060065	393942 5822853	758950	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	595360	1266406	56919 2022420	153433 2226073	309360	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	596843	1251192	1983119	153064 2158288	315929	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	2523160	5460781	8031723	639690 8577311	1307481	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	1873017	4056643	6417856	482294 7284335	984909	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	1273693	2725389	4265274	340192 4786483	664278	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	676846	1367304	2138483	178986 2413128	365399	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	1567235	3359650	4836898	413179 5497143	800293	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	1763840	3457834	5664227	475753 6083156	955340	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	537709	1068726	1651241	149880 1823785	289192	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	413023	21177 797085	39924 1322258	108637 1414287	217178	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	2597158	5382759	8353015	679009 8963359	1370379	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	415082	796561	1268971	108120 1398424	215313	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1839039	3936077	6133012	470516 6875466	948195	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	1926255	3630246	5872681	486860 6383524	1001232	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	436935	938415	21425 1575198	83609 1771731	210501	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	631159	1239427	2007309	149284 2301622	321365	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	479620	24308 910083	47943 1498047	126798 1648195	257664	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	2302380	4746878	7666906	599723 8207872	1219561	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	413274	840259	1331709	103663 1459001	217877	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.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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	1569365	3039706	5008249	428059 5468625	872664	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	880435	1742073	2913488	230441 3129628	468566	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	1826619	3615278	5922336	470595 6427386	964366	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	362344	686685	1119003	92566 1263226	195364	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	525098	1043003	33494 1757314	119199 1963588	261577	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	2420542	4770845	238097 7950599	624519 8595925	1289756	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	1826320	3648979	5884394	471914 6625711	966555	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	417125	843733	1402889	110329 1509319	226399	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	10938 429425	22280 834304	40411 1404952	108472 1537183	229270	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	518534	1050582	40897 1769200	121163 1957817	269460	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	188352	360507	522308	50043 567244	100185	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	884021	1991517	3307974	217916 3910739	470681	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	2055805	4021182	6573536	537898 7334278	1116361	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	2075051	4081971	6769586	541904 7272315	1123694	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	1628070	3122797	5162059	425844 5835291	888322	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	1964526	3824430	6462862	490585 7176300	1075095	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	1661208	3218392	5448921	404586 6191323	930015	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Qua	682168	1363692	2708644	139913 3193642	370152	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	1659136	3189678	5349772	412222 6230431	917886	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	560731	1263788	2120316	202906 2497939	320946	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	624421	1231493	2054111	147041 2546684	341348	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.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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		2763					0.500			
Carbamazepine	CRY	Ave	479597	991701	1597808	2203541	249914	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	373517	820619	29694 1382242	85516 1746422	202669	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	32324 1156353	68227 2318246	112087 3792829	268709 4857269	633180	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	787146	1625803	2734901	179094 3572419	440503	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	1049780	2141520	3470963	243233 4520277	581656	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	1122556	2493001	4090204	253805 5698917	605100	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	23165 839949	44486 1875887	81310 3034706	194603 4260387	430948	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	24228 876555	49413 1914166	88189 3095590	208274 4321497	478849	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	20438 759166	39774 1764773	73880 2821708	179725 3992563	408003	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	20084 582890	32434 1515594	65935 2430382	152791 3399500	284315	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	19004 605829	33712 1507039	69478 2431956	150337 +++++	308622	0.500 20.0	1.00 50.0	2.00 80.0	5.00 +++++	10.0
Benzo[g,h,i]perylene	PRY	Ave	647738	1570269	2535241	165456 3581538	324162	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	1416324	67547 3830744	146812 5574742	399173 8325897	734488	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	1602502	78991 4212629	176374 6093203	471265 8329513	859474	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	35777 1437342	72941 3595457	161685 5147240	415925 7043909	764089	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	52131 2193870	111630 5179155	233738 7962203	623003 9237936	1195132	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	9810 201672	21789 444901	58345 719731	117048 865153		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	23931 1058219	56528 2306551	110708 3768878	281139 5008133	616357	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.: 460-111006-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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\20160331-39236.b\12331.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 31-Mar-2016 04:19:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-002
 Misc. Info.: ICIS
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:54:58 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:54:58

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	1.863	1.863	0.000	91	1722344	50.0	52.3	
2 N-Nitrosodimethylamine	74	2.099	2.099	0.000	88	2223114	50.0	51.7	
3 Pyridine	79	2.128	2.128	0.000	97	4018349	50.0	52.2	
\$ 4 2-Fluorophenol	112	3.263	3.263	0.000	96	3830744	50.0	54.0	
\$ 6 Phenol-d5	99	4.175	4.175	0.000	99	4212629	50.0	52.9	
7 Phenol	94	4.193	4.193	0.000	98	4237912	50.0	51.1	
8 Aniline	93	4.222	4.222	0.000	100	5050120	50.0	51.2	
9 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	99	3236821	50.0	51.7	
10 Benzonitrile	103	4.310	4.310	0.000	66	6341468	NC	NC	
11 2-Chlorophenol	128	4.340	4.340	0.000	95	3399128	50.0	51.3	
12 n-Decane	43	4.387	4.387	0.000	86	3305747	50.0	52.2	
13 1,3-Dichlorobenzene	146	4.493	4.493	0.000	94	3852086	50.0	50.8	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	1924346	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.563	4.563	0.000	93	3926921	50.0	50.9	
16 Benzyl alcohol	108	4.681	4.681	0.000	92	1969284	50.0	51.7	
17 1,2-Dichlorobenzene	146	4.716	4.716	0.000	94	3609820	50.0	51.0	
18 2-Methylphenol	108	4.793	4.793	0.000	88	2867085	50.0	50.9	
19 2,2'-oxybis[1-chloropropan	45	4.816	4.816	0.000	88	3020468	50.0	51.6	
20 N-Methylaniline	106	4.940	4.940	0.000	83	4955008	NC	NC	
21 Acetophenone	105	4.951	4.951	0.000	93	4254787	50.0	49.9	
23 3 & 4 Methylphenol	108	4.951	4.951	0.000	79	3245807	50.0	50.6	
24 4-Methylphenol	108	4.951	4.951	0.000	83	3245807	50.0	50.6	
22 N-Nitrosodi-n-propylamine	70	4.957	4.957	0.000	86	2046145	50.0	47.7	
25 Hexachloroethane	117	5.057	5.057	0.000	95	1481725	50.0	51.1	
\$ 26 Nitrobenzene-d5	82	5.104	5.104	0.000	87	3595457	50.0	52.8	
28 Nitrobenzene	77	5.128	5.128	0.000	97	4769232	50.0	50.7	
27 n,n'-Dimethylaniline	120	5.128	5.128	0.000	88	4952375	50.0	53.1	
31 Isophorone	82	5.369	5.369	0.000	99	4814820	50.0	48.7	
32 2-Nitrophenol	139	5.440	5.440	0.000	87	1526919	50.0	50.4	
33 2,4-Dimethylphenol	122	5.481	5.481	0.000	89	2415920	50.0	50.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.575	5.575	0.000	99	3072770	50.0	50.2	
35 Benzoic acid	122	5.610	5.610	0.000	86	1242128	50.0	52.5	
36 2,4-Dichlorophenol	162	5.681	5.681	0.000	95	2224512	50.0	50.8	
37 1,2,4-Trichlorobenzene	180	5.769	5.769	0.000	94	2629691	50.0	51.1	
* 38 Naphthalene-d8	136	5.828	5.828	0.000	99	6450559	40.0	40.0	
39 Naphthalene	128	5.845	5.845	0.000	100	8245471	50.0	54.0	
40 4-Chloroaniline	127	5.898	5.898	0.000	96	3127537	50.0	49.1	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	1542124	50.0	49.5	
43 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	2051557	50.0	49.0	
44 2-Methylnaphthalene	142	6.540	6.540	0.000	86	4993032	50.0	49.8	
45 1-Methylnaphthalene	142	6.640	6.640	0.000	93	4167023	50.0	48.9	
46 Hexachlorocyclopentadiene	237	6.704	6.704	0.000	95	1480414	50.0	54.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.710	6.710	0.000	96	2079957	50.0	52.2	
48 2-tertbutyl-4-methylphenol	149	6.734	6.734	0.000	90	3296801	50.0	49.7	
49 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	87	1266406	50.0	52.1	
50 2,4,5-Trichlorophenol	196	6.851	6.851	0.000	94	1251192	50.0	51.3	
\$ 51 2-Fluorobiphenyl	172	6.904	6.904	0.000	98	5179155	50.0	55.9	
52 1,1'-Biphenyl	154	7.004	7.004	0.000	94	5460781	50.0	54.0	
53 2-Chloronaphthalene	162	7.028	7.028	0.000	97	4056643	50.0	51.8	
54 Phenyl ether	170	7.110	7.110	0.000	87	2725389	50.0	51.5	
56 2-Nitroaniline	65	7.122	7.122	0.000	96	1367304	50.0	49.9	
57 1,3-Dimethylnaphthalene	156	7.240	7.240	0.000	92	3359650	50.0	53.3	
58 Dimethyl phthalate	163	7.310	7.310	0.000	99	3457834	50.0	48.6	
59 Coumarin	146	7.328	7.328	0.000	74	1068726	50.0	46.5	
60 2,6-Dinitrotoluene	165	7.363	7.363	0.000	94	797085	50.0	49.4	
61 Acenaphthylene	152	7.434	7.434	0.000	98	5382759	50.0	51.4	
64 3-Nitroaniline	138	7.528	7.528	0.000	93	796561	50.0	49.0	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	2468764	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.592	7.592	0.000	97	3936077	50.0	52.1	
67 Acenaphthene	154	7.610	7.610	0.000	93	3630246	50.0	48.6	
68 2,4-Dinitrophenol	184	7.628	7.628	0.000	94	938415	100.0	99.1	
69 4-Nitrophenol	65	7.687	7.687	0.000	93	1239427	100.0	99.5	
70 2,4-Dinitrotoluene	165	7.757	7.757	0.000	92	910083	50.0	48.5	
71 Dibenzofuran	168	7.781	7.781	0.000	95	4746878	50.0	50.6	
72 2,3,4,6-Tetrachlorophenol	232	7.898	7.898	0.000	92	840259	50.0	50.7	
73 Diethyl phthalate	149	8.004	8.004	0.000	98	3039706	50.0	47.8	
75 Fluorene	166	8.116	8.116	0.000	96	3615278	50.0	49.3	
74 4-Chlorophenyl phenyl ethe	204	8.116	8.116	0.000	87	1742073	50.0	48.9	
76 4-Nitroaniline	138	8.134	8.134	0.000	90	686685	50.0	47.9	
77 4,6-Dinitro-2-methylphenol	198	8.163	8.163	0.000	84	1043003	100.0	100.1	
78 N-Nitrosodiphenylamine	169	8.234	8.234	0.000	66	4770845	100.0	104.4	
79 1,2-Diphenylhydrazine	77	8.269	8.269	0.000	97	3648979	50.0	52.2	
\$ 80 2,4,6-Tribromophenol	330	8.357	8.357	0.000	93	444901	50.0	51.3	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	85	843733	50.0	52.0	
83 Hexachlorobenzene	284	8.663	8.663	0.000	99	834304	50.0	53.1	
85 Pentachlorophenol	266	8.857	8.857	0.000	91	1050582	100.0	109.7	
86 Pentachloronitrobenzene	237	8.869	8.869	0.000	85	360507	50.0	53.1	
87 n-Octadecane	57	8.928	8.928	0.000	91	1991517	50.0	54.2	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	2752461	40.0	40.0	
89 Phenanthrene	178	9.063	9.063	0.000	97	4021182	50.0	51.2	
90 Anthracene	178	9.116	9.116	0.000	99	4081971	50.0	51.5	
91 Carbazole	167	9.269	9.269	0.000	96	3122797	50.0	50.4	

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	9.610	9.610	0.000	99	3824430	50.0	50.8	
93 Fluoranthene	202	10.239	10.239	0.000	98	3218392	50.0	50.4	
94 Benzdine	184	10.369	10.369	0.000	99	1363692	50.0	49.1	
95 Pyrene	202	10.475	10.475	0.000	98	3189678	50.0	48.8	
82 Bisphenol-A	213	10.510	10.510	0.000	99	1263788	50.0	48.9	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	2306551	50.0	51.1	
97 Butyl benzyl phthalate	149	11.175	11.175	0.000	98	1231493	50.0	49.6	
98 2,3,7,8-TCDD	320	11.292	11.292	0.000	54	2763	0.5000	0.5000	
99 Carbamazepine	193	11.304	11.304	0.000	91	991701	50.0	51.2	
100 3,3'-Dichlorobenzidine	252	11.822	11.822	0.000	99	820619	50.0	53.6	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	98	2318246	50.0	48.3	
* 102 Chrysene-d12	240	11.869	11.869	0.000	99	1529350	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	89	1625803	50.0	50.1	
103 Chrysene	228	11.904	11.904	0.000	99	2141520	50.0	50.5	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	2493001	50.0	48.4	
106 Benzo[b]fluoranthene	252	13.310	13.310	0.000	99	1875887	50.0	47.4	
107 Benzo[k]fluoranthene	252	13.345	13.345	0.000	99	1914166	50.0	45.7	
108 Benzo[a]pyrene	252	13.768	13.768	0.000	98	1764773	50.0	48.6	
* 109 Perylene-d12	264	13.845	13.845	0.000	99	1268837	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.468	15.468	0.000	99	1515594	50.0	49.4	
111 Dibenz(a,h)anthracene	278	15.510	15.510	0.000	97	1507039	50.0	48.3	
112 Benzo[g,h,i]perylene	276	15.927	15.927	0.000	90	1570269	50.0	50.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12331.D

Injection Date: 31-Mar-2016 04:19:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ics

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

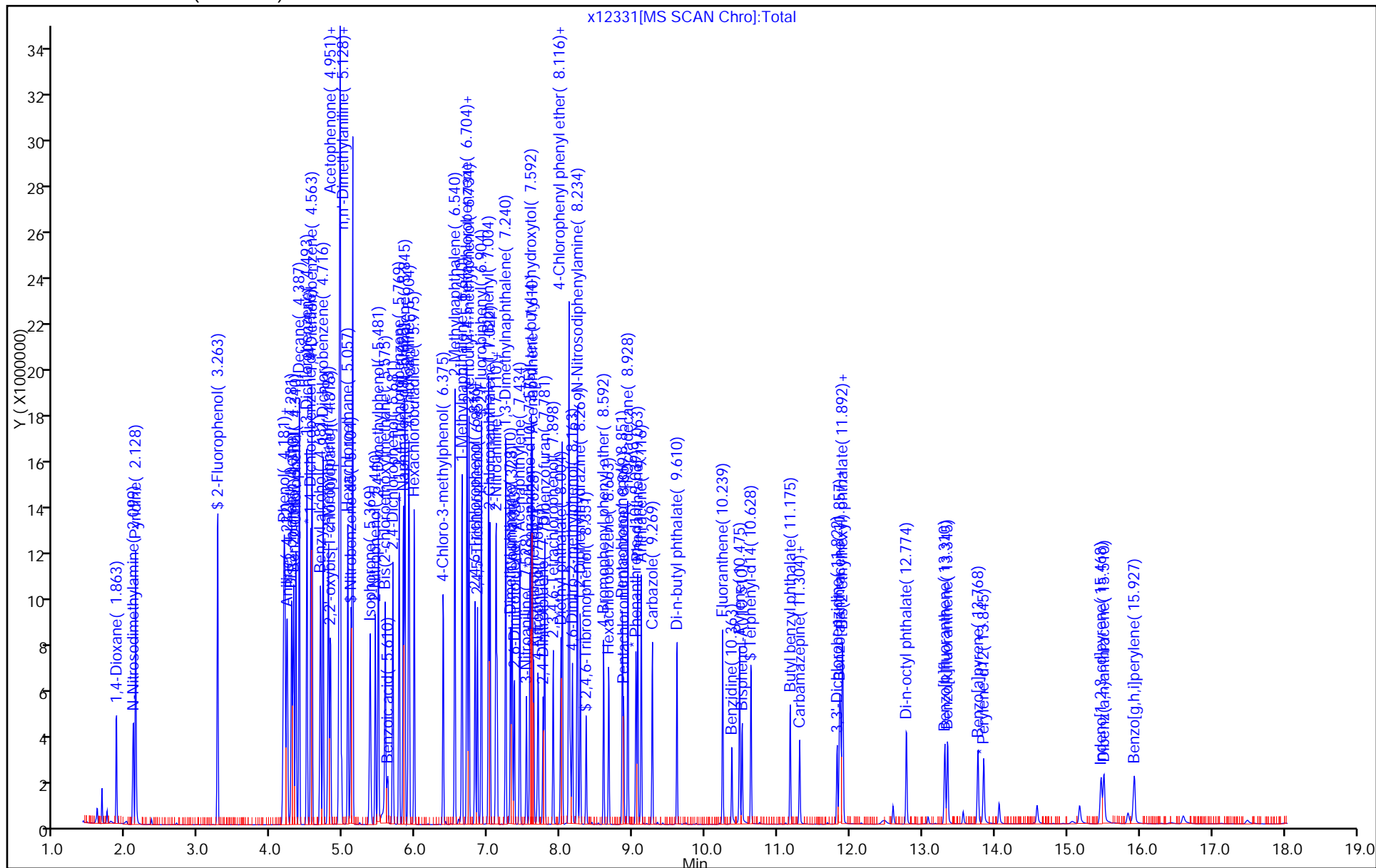
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12332.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 31-Mar-2016 04:44:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:56:46 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:56:46

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	1.851	1.863	-0.012	91	3479374	120.0	141.3	
2 N-Nitrosodimethylamine	74	2.098	2.099	-0.001	89	4226372	120.0	131.4	
3 Pyridine	79	2.122	2.128	-0.006	97	7640324	120.0	132.7	
\$ 4 2-Fluorophenol	112	3.263	3.263	0.000	95	8325897	120.0	156.9	
\$ 6 Phenol-d5	99	4.192	4.175	0.017	99	8329513	120.0	139.7	
7 Phenol	94	4.210	4.193	0.017	98	8112861	120.0	130.8	
8 Aniline	93	4.234	4.222	0.012	99	9633705	120.0	130.6	
9 Bis(2-chloroethyl)ether	93	4.292	4.281	0.011	99	6178005	120.0	131.9	
10 Benzonitrile	103	4.328	4.310	0.018	65	11719197	NC	NC	
11 2-Chlorophenol	128	4.351	4.340	0.011	96	6407811	120.0	129.3	
12 n-Decane	43	4.392	4.387	0.005	87	7070750	120.0	149.2	
13 1,3-Dichlorobenzene	146	4.498	4.493	0.005	94	7476096	120.0	131.7	
* 14 1,4-Dichlorobenzene-d4	152	4.551	4.546	0.005	97	1440254	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.569	4.563	0.006	92	7609155	120.0	131.8	
16 Benzyl alcohol	108	4.698	4.681	0.017	91	3622296	120.0	127.2	
17 1,2-Dichlorobenzene	146	4.722	4.716	0.006	94	6890140	120.0	130.1	
18 2-Methylphenol	108	4.804	4.793	0.011	89	5242094	120.0	124.3	
19 2,2'-oxybis[1-chloropropan	45	4.822	4.816	0.006	89	5913543	120.0	134.9	
20 N-Methylaniline	106	4.945	4.940	0.005	82	8981615	NC	NC	
21 Acetophenone	105	4.963	4.951	0.012	95	7695755	120.0	120.6	
23 3 & 4 Methylphenol	108	4.969	4.951	0.018	95	5780641	120.0	120.4	
24 4-Methylphenol	108	4.969	4.951	0.018	96	5780641	120.0	120.4	
22 N-Nitrosodi-n-propylamine	70	4.992	4.957	0.035	85	3713957	120.0	115.8	
25 Hexachloroethane	117	5.063	5.057	0.006	96	2915845	120.0	134.4	
\$ 26 Nitrobenzene-d5	82	5.116	5.104	0.012	87	7043909	120.0	148.3	
28 Nitrobenzene	77	5.139	5.128	0.011	87	8696674	120.0	132.4	
27 n,n'-Dimethylaniline	120	5.139	5.139	0.000	86	8667868	120.0	124.1	
31 Isophorone	82	5.387	5.369	0.017	99	8485948	120.0	123.0	
32 2-Nitrophenol	139	5.445	5.440	0.005	88	2756090	120.0	130.5	
33 2,4-Dimethylphenol	122	5.492	5.481	0.011	89	4365694	120.0	130.1	
34 Bis(2-chloroethoxy)methane	93	5.586	5.575	0.011	98	5643440	120.0	132.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.657	5.610	0.047	87	2144612	120.0	130.0	
36 2,4-Dichlorophenol	162	5.692	5.681	0.011	95	3964309	120.0	129.8	
37 1,2,4-Trichlorobenzene	180	5.775	5.769	0.006	94	4843829	120.0	135.0	
* 38 Naphthalene-d8	136	5.828	5.828	0.000	99	4499034	40.0	40.0	
39 Naphthalene	128	5.851	5.851	0.000	97	11071897	120.0	104.0	
40 4-Chloroaniline	127	5.910	5.898	0.012	96	5807423	120.0	130.6	
41 Hexachlorobutadiene	225	5.981	5.975	0.006	95	2904295	120.0	133.6	
43 4-Chloro-3-methylphenol	107	6.386	6.375	0.011	96	3574359	120.0	122.5	
44 2-Methylnaphthalene	142	6.545	6.540	0.005	83	8743967	120.0	125.1	e
45 1-Methylnaphthalene	142	6.645	6.640	0.005	90	7587247	120.0	127.5	
46 Hexachlorocyclopentadiene	237	6.710	6.704	0.006	96	2709006	120.0	146.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.716	6.710	0.006	96	3731371	120.0	137.6	
48 2-tertbutyl-4-methylphenol	149	6.739	6.734	0.005	90	5822853	120.0	125.8	
49 2,4,6-Trichlorophenol	196	6.822	6.816	0.006	87	2226073	120.0	134.6	
50 2,4,5-Trichlorophenol	196	6.857	6.851	0.006	94	2158288	120.0	130.0	
\$ 51 2-Fluorobiphenyl	172	6.910	6.910	0.000	96	9237936	120.0	146.4	
52 1,1'-Biphenyl	154	7.010	7.010	0.000	96	8577311	120.0	124.4	
53 2-Chloronaphthalene	162	7.033	7.028	0.005	97	7284335	120.0	136.5	
54 Phenyl ether	170	7.110	7.110	0.000	85	4786483	120.0	133.0	
56 2-Nitroaniline	65	7.128	7.122	0.006	96	2413128	120.0	129.4	
57 1,3-Dimethylnaphthalene	156	7.245	7.240	0.005	93	5497143	120.0	128.1	
58 Dimethyl phthalate	163	7.316	7.310	0.006	99	6083156	120.0	125.7	
59 Coumarin	146	7.339	7.328	0.011	71	1823785	120.0	113.8	
60 2,6-Dinitrotoluene	165	7.369	7.363	0.006	95	1414287	120.0	128.7	
61 Acenaphthylene	152	7.439	7.439	0.000	97	8963359	120.0	125.8	
64 3-Nitroaniline	138	7.539	7.528	0.011	92	1398424	120.0	126.4	
* 65 Acenaphthene-d10	164	7.580	7.575	0.005	93	1680258	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.604	7.592	0.012	97	6875466	120.0	133.7	
67 Acenaphthene	154	7.616	7.610	0.006	93	6383524	120.0	125.6	
68 2,4-Dinitrophenol	184	7.639	7.628	0.011	95	1771731	240.0	270.4	
69 4-Nitrophenol	65	7.704	7.687	0.017	92	2301622	240.0	271.6	
70 2,4-Dinitrotoluene	165	7.769	7.757	0.012	93	1648195	120.0	129.0	
71 Dibenzofuran	168	7.786	7.786	0.000	95	8207872	120.0	128.5	
72 2,3,4,6-Tetrachlorophenol	232	7.904	7.898	0.006	92	1459001	120.0	129.3	
73 Diethyl phthalate	149	8.010	8.004	0.006	98	5468625	120.0	126.4	
75 Fluorene	166	8.122	8.116	0.006	96	6427386	120.0	128.9	
74 4-Chlorophenyl phenyl ethe	204	8.116	8.116	0.000	87	3129628	120.0	129.0	
76 4-Nitroaniline	138	8.151	8.134	0.017	90	1263226	120.0	129.6	
77 4,6-Dinitro-2-methylphenol	198	8.180	8.163	0.017	86	1963588	240.0	268.2	
78 N-Nitrosodiphenylamine	169	8.239	8.234	0.005	69	8595925	240.0	271.1	
79 1,2-Diphenylhydrazine	77	8.280	8.269	0.011	97	6625711	120.0	136.6	
\$ 80 2,4,6-Tribromophenol	330	8.363	8.357	0.006	94	865153	120.0	146.5	
81 4-Bromophenyl phenyl ether	248	8.598	8.592	0.006	85	1509319	120.0	134.0	
83 Hexachlorobenzene	284	8.675	8.663	0.012	99	1537183	120.0	140.9	
85 Pentachlorophenol	266	8.863	8.857	0.006	93	1957817	240.0	294.7	
86 Pentachloronitrobenzene	237	8.875	8.869	0.006	86	567244	120.0	120.3	
87 n-Octadecane	57	8.933	8.928	0.005	91	3910739	120.0	153.5	
* 88 Phenanthrene-d10	188	9.045	9.039	0.006	98	1909986	40.0	40.0	
89 Phenanthrene	178	9.069	9.063	0.006	97	7334278	120.0	134.6	
90 Anthracene	178	9.122	9.116	0.006	99	7272315	120.0	132.2	e
91 Carbazole	167	9.274	9.269	0.005	96	5835291	120.0	135.6	
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	7176300	120.0	137.4	e

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.245	10.239	0.006	98	6191323	120.0	139.8	
94 Benzidine	184	10.374	10.369	0.005	99	3193642	120.0	120.0	
95 Pyrene	202	10.480	10.475	0.005	98	6230431	120.0	117.7	
82 Bisphenol-A	213	10.516	10.510	0.006	99	2497939	120.0	119.2	
\$ 96 Terphenyl-d14	244	10.639	10.633	0.006	99	5008133	120.0	136.9	
97 Butyl benzyl phthalate	149	11.180	11.175	0.005	98	2546684	120.0	126.5	
99 Carbamazepine	193	11.316	11.304	0.012	92	2203541	120.0	140.4	
100 3,3'-Dichlorobenzidine	252	11.827	11.822	0.005	100	1746422	120.0	140.7	
101 Benzo[a]anthracene	228	11.863	11.857	0.006	98	4857269	120.0	124.9	
* 102 Chrysene-d12	240	11.874	11.869	0.005	99	1239471	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.898	11.892	0.006	91	3572419	120.0	135.9	
103 Chrysene	228	11.910	11.904	0.006	99	4520277	120.0	131.4	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	5698917	120.0	128.8	
106 Benzo[b]fluoranthene	252	13.321	13.310	0.011	99	4260387	120.0	125.3	
107 Benzo[k]fluoranthene	252	13.362	13.345	0.017	100	4321497	120.0	120.2	
108 Benzo[a]pyrene	252	13.780	13.768	0.012	97	3992563	120.0	128.0	
* 109 Perylene-d12	264	13.851	13.845	0.006	98	1089387	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.486	15.468	0.018	99	3399500	120.0	129.1	
111 Dibenz(a,h)anthracene	278	15.527	15.510	0.017	98	3512023	120.0	132.8	
112 Benzo[g,h,i]perylene	276	15.951	15.927	0.024	98	3581538	120.0	133.5	
S 119 Total Cresols	1				0			244.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

e - Potential Peak Saturated

Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12332.D

Injection Date: 31-Mar-2016 04:44:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std120

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

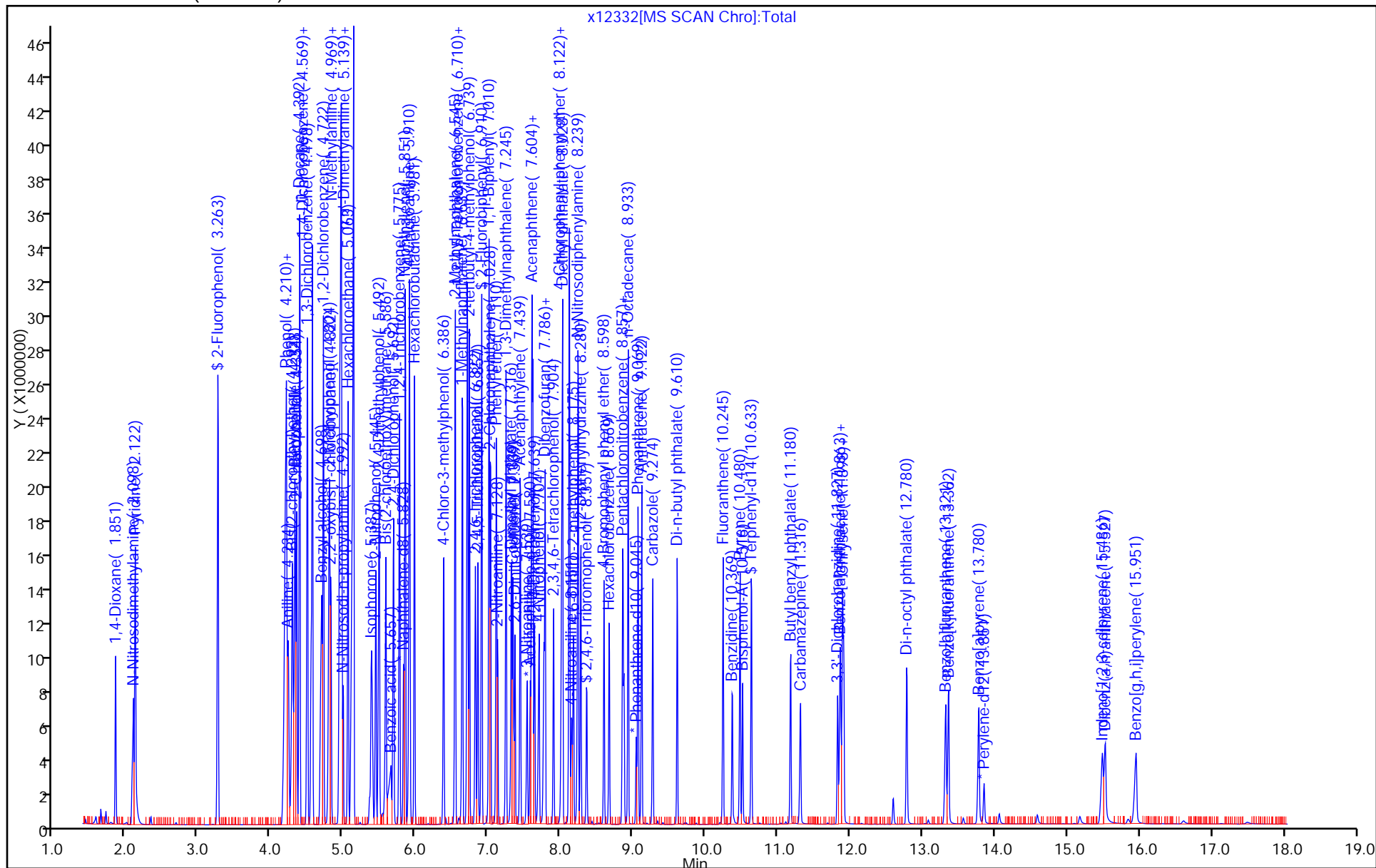
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12333.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 31-Mar-2016 05:09:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-004
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:58:26 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:58:25

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	1.858	1.863	-0.005	90	2576479	80.0	82.2	
2 N-Nitrosodimethylamine	74	2.099	2.099	0.000	89	3296507	80.0	80.5	
3 Pyridine	79	2.128	2.128	0.000	96	5955083	80.0	81.3	
\$ 4 2-Fluorophenol	112	3.263	3.263	0.000	96	5574742	80.0	82.5	
\$ 6 Phenol-d5	99	4.187	4.175	0.012	98	6093203	80.0	80.3	
7 Phenol	94	4.204	4.193	0.011	96	6582962	80.0	83.4	
8 Aniline	93	4.228	4.222	0.006	97	7687296	80.0	81.9	
9 Bis(2-chloroethyl)ether	93	4.287	4.281	0.006	99	4887697	80.0	82.0	
10 Benzonitrile	103	4.322	4.310	0.012	65	9195054	NC	NC	
11 2-Chlorophenol	128	4.346	4.340	0.006	96	5148253	80.0	81.6	
12 n-Decane	43	4.393	4.387	0.006	86	4975918	80.0	82.5	
13 1,3-Dichlorobenzene	146	4.499	4.493	0.006	94	5917503	80.0	81.9	
* 14 1,4-Dichlorobenzene-d4	152	4.551	4.546	0.005	98	1833241	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.569	4.563	0.006	93	6016604	80.0	81.9	
16 Benzyl alcohol	108	4.693	4.681	0.012	92	2896611	80.0	79.9	
17 1,2-Dichlorobenzene	146	4.722	4.716	0.006	94	5489183	80.0	81.4	
18 2-Methylphenol	108	4.799	4.793	0.006	90	4310381	80.0	80.3	
19 2,2'-oxybis[1-chloropropan	45	4.822	4.816	0.006	88	4521554	80.0	81.0	
20 N-Methylaniline	106	4.946	4.940	0.006	83	7225113	NC	NC	
21 Acetophenone	105	4.963	4.951	0.012	95	6552696	80.0	80.7	
23 3 & 4 Methylphenol	108	4.963	4.951	0.012	87	4966585	80.0	81.3	
24 4-Methylphenol	108	4.963	4.951	0.012	86	4966585	80.0	81.3	
22 N-Nitrosodi-n-propylamine	70	4.987	4.957	0.030	84	3102722	80.0	76.0	
25 Hexachloroethane	117	5.063	5.057	0.006	96	2285356	80.0	82.8	
\$ 26 Nitrobenzene-d5	82	5.110	5.104	0.006	88	5147240	80.0	79.5	
28 Nitrobenzene	77	5.134	5.128	0.006	95	7209991	80.0	80.5	
27 n,n'-Dimethylaniline	120	5.134	5.134	0.000	88	7352009	80.0	82.7	
31 Isophorone	82	5.381	5.369	0.012	99	7293377	80.0	77.5	
32 2-Nitrophenol	139	5.446	5.440	0.006	89	2351503	80.0	81.6	
33 2,4-Dimethylphenol	122	5.487	5.481	0.006	89	3739101	80.0	81.7	
34 Bis(2-chloroethoxy)methane	93	5.581	5.575	0.006	99	4675934	80.0	80.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.646	5.610	0.036	87	1889898	80.0	84.0	
36 2,4-Dichlorophenol	162	5.687	5.681	0.006	95	3425372	80.0	82.2	
37 1,2,4-Trichlorobenzene	180	5.769	5.769	0.000	94	4117379	80.0	84.1	
* 38 Naphthalene-d8	136	5.828	5.828	0.000	99	6136224	40.0	40.0	
39 Naphthalene	128	5.846	5.846	0.000	97	10530138	80.0	72.4	
40 4-Chloroaniline	127	5.904	5.898	0.006	96	5091644	80.0	84.0	
41 Hexachlorobutadiene	225	5.981	5.975	0.006	95	2399853	80.0	80.9	
43 4-Chloro-3-methylphenol	107	6.381	6.375	0.006	96	3180874	80.0	79.9	
44 2-Methylnaphthalene	142	6.540	6.540	0.000	86	7863677	80.0	82.5	
45 1-Methylnaphthalene	142	6.640	6.640	0.000	93	6614169	80.0	81.5	
46 Hexachlorocyclopentadiene	237	6.710	6.704	0.006	96	2360004	80.0	87.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.710	6.710	0.000	96	3259708	80.0	82.9	
48 2-tertbutyl-4-methylphenol	149	6.740	6.734	0.006	90	5060065	80.0	80.1	
49 2,4,6-Trichlorophenol	196	6.822	6.816	0.006	88	2022420	80.0	84.3	
50 2,4,5-Trichlorophenol	196	6.857	6.851	0.006	96	1983119	80.0	82.4	
\$ 51 2-Fluorobiphenyl	172	6.910	6.910	0.000	98	7962203	80.0	87.0	
52 1,1'-Biphenyl	154	7.010	7.010	0.000	96	8031723	80.0	80.3	
53 2-Chloronaphthalene	162	7.028	7.028	0.000	97	6417856	80.0	82.9	
54 Phenyl ether	170	7.110	7.110	0.000	85	4265274	80.0	81.7	
56 2-Nitroaniline	65	7.128	7.122	0.006	96	2138483	80.0	79.1	
57 1,3-Dimethylnaphthalene	156	7.245	7.240	0.005	93	4836898	80.0	77.7	
58 Dimethyl phthalate	163	7.316	7.310	0.006	99	5664227	80.0	80.7	
59 Coumarin	146	7.334	7.328	0.006	76	1651241	80.0	75.5	
60 2,6-Dinitrotoluene	165	7.369	7.363	0.006	96	1322258	80.0	82.9	
61 Acenaphthylene	152	7.440	7.440	0.000	98	8353015	80.0	80.8	
64 3-Nitroaniline	138	7.534	7.528	0.006	92	1268971	80.0	79.1	
* 65 Acenaphthene-d10	164	7.581	7.575	0.006	93	2437270	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.598	7.592	0.006	97	6133012	80.0	82.2	
67 Acenaphthene	154	7.616	7.610	0.006	93	5872681	80.0	79.7	
68 2,4-Dinitrophenol	184	7.640	7.628	0.012	96	1575198	160.0	166.7	
69 4-Nitrophenol	65	7.698	7.687	0.011	91	2007309	160.0	163.3	
70 2,4-Dinitrotoluene	165	7.763	7.757	0.006	93	1498047	80.0	80.8	
71 Dibenzofuran	168	7.781	7.786	-0.005	95	7666906	80.0	82.8	
72 2,3,4,6-Tetrachlorophenol	232	7.898	7.898	0.000	96	1331709	80.0	81.4	
73 Diethyl phthalate	149	8.010	8.004	0.006	98	5008249	80.0	79.8	
75 Fluorene	166	8.122	8.116	0.006	96	5922336	80.0	81.9	
74 4-Chlorophenyl phenyl ethe	204	8.116	8.116	0.000	86	2913488	80.0	82.8	
76 4-Nitroaniline	138	8.145	8.134	0.011	90	1119003	80.0	79.1	
77 4,6-Dinitro-2-methylphenol	198	8.175	8.163	0.012	86	1757314	160.0	160.9	
78 N-Nitrosodiphenylamine	169	8.239	8.234	0.005	82	7950599	160.0	167.3	
79 1,2-Diphenylhydrazine	77	8.275	8.269	0.006	97	5884394	80.0	80.9	
\$ 80 2,4,6-Tribromophenol	330	8.357	8.357	0.000	93	719731	80.0	84.0	
81 4-Bromophenyl phenyl ether	248	8.598	8.592	0.006	86	1402889	80.0	83.1	
83 Hexachlorobenzene	284	8.669	8.663	0.006	99	1404952	80.0	85.9	
85 Pentachlorophenol	266	8.857	8.857	0.000	92	1769200	160.0	177.7	
86 Pentachloronitrobenzene	237	8.875	8.869	0.006	86	522308	80.0	73.9	
87 n-Octadecane	57	8.934	8.928	0.006	90	3307974	80.0	86.6	
* 88 Phenanthrene-d10	188	9.045	9.039	0.006	98	2862777	40.0	40.0	
89 Phenanthrene	178	9.069	9.063	0.006	97	6573536	80.0	80.5	
90 Anthracene	178	9.122	9.116	0.006	99	6769586	80.0	82.1	
91 Carbazole	167	9.275	9.269	0.006	96	5162059	80.0	80.1	
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	6462862	80.0	82.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.245	10.239	0.006	98	5448921	80.0	82.1	
94 Benzidine	184	10.369	10.369	0.000	99	2708644	80.0	80.3	
95 Pyrene	202	10.475	10.475	0.000	98	5349772	80.0	79.5	
82 Bisphenol-A	213	10.510	10.510	0.000	99	2120316	80.0	79.6	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	3768878	80.0	81.0	
97 Butyl benzyl phthalate	149	11.175	11.175	0.000	98	2054111	80.0	80.2	
99 Carbamazepine	193	11.310	11.304	0.006	91	1597808	80.0	80.1	
100 3,3'-Dichlorobenzidine	252	11.822	11.822	0.000	100	1382242	80.0	87.6	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	98	3792829	80.0	76.7	
* 102 Chrysene-d12	240	11.875	11.869	0.006	99	1576281	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	87	2734901	80.0	81.8	
103 Chrysene	228	11.910	11.904	0.006	99	3470963	80.0	79.4	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	4090204	80.0	80.8	
106 Benzo[b]fluoranthene	252	13.316	13.310	0.006	99	3034706	80.0	78.0	
107 Benzo[k]fluoranthene	252	13.357	13.345	0.012	99	3095590	80.0	75.2	
108 Benzo[a]pyrene	252	13.774	13.768	0.006	97	2821708	80.0	79.0	
* 109 Perylene-d12	264	13.851	13.845	0.006	98	1247131	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.474	15.468	0.006	99	2430382	80.0	80.6	
111 Dibenz(a,h)anthracene	278	15.515	15.510	0.005	97	2431956	80.0	79.4	
112 Benzo[g,h,i]perylene	276	15.939	15.927	0.012	98	2535241	80.0	82.6	
S 119 Total Cresols	1				0			161.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

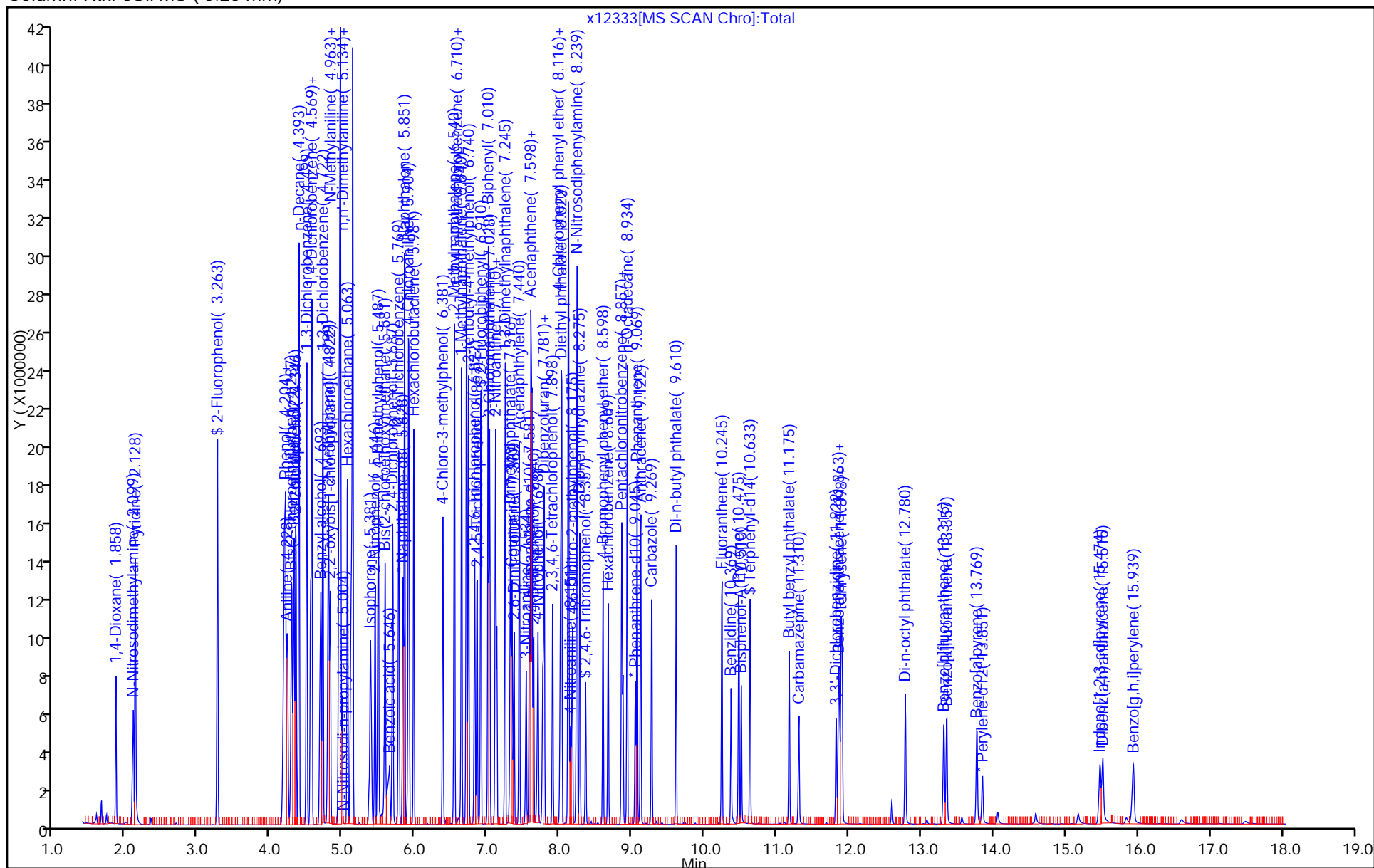
SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12333.D		
Injection Date:	31-Mar-2016 05:09:30	Instrument ID:	CBNAMS5
Lims ID:	std80		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 4



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12334.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 31-Mar-2016 05:34:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-005
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 10:03:24 Calib Date: 31-Mar-2016 09:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12343.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczech

Date: 31-Mar-2016 10:03:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.869	1.863	0.006	92	693333	20.0	19.3	
2 N-Nitrosodimethylamine	74	2.098	2.099	-0.001	89	913585	20.0	19.5	
3 Pyridine	79	2.134	2.128	0.006	96	1646799	20.0	19.6	
\$ 4 2-Fluorophenol	112	3.257	3.263	-0.006	94	1416324	20.0	18.3	
\$ 6 Phenol-d5	99	4.163	4.175	-0.012	94	1602502	20.0	18.4	
7 Phenol	94	4.175	4.193	-0.018	98	1762588	20.0	19.5	
8 Aniline	93	4.210	4.222	-0.012	99	2100345	20.0	19.5	
9 Bis(2-chloroethyl)ether	93	4.275	4.281	-0.006	100	1355215	20.0	19.8	
10 Benzonitrile	103	4.298	4.310	-0.012	66	2643017	NC	NC	
11 2-Chlorophenol	128	4.334	4.340	-0.006	94	1414244	20.0	19.6	
12 n-Decane	43	4.387	4.387	0.000	84	1293436	20.0	18.7	
13 1,3-Dichlorobenzene	146	4.492	4.493	-0.001	93	1634231	20.0	19.7	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2100487	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.563	4.563	0.000	93	1656892	20.0	19.7	
16 Benzyl alcohol	108	4.675	4.681	-0.006	91	814717	20.0	19.6	
17 1,2-Dichlorobenzene	146	4.716	4.716	0.000	93	1516085	20.0	19.6	
18 2-Methylphenol	108	4.787	4.793	-0.007	86	1227668	20.0	20.0	
19 2,2'-oxybis[1-chloropropan	45	4.816	4.816	0.000	85	1232779	20.0	19.3	
20 N-Methylaniline	106	4.934	4.940	-0.006	80	2125370	NC	NC	
21 Acetophenone	105	4.945	4.951	-0.006	92	1876688	20.0	20.2	
23 3 & 4 Methylphenol	108	4.939	4.951	-0.012	87	1411659	20.0	20.2	
24 4-Methylphenol	108	4.939	4.951	-0.012	82	1411659	20.0	20.2	
22 N-Nitrosodi-n-propylamine	70	4.945	4.957	-0.012	72	938828	20.0	20.1	
25 Hexachloroethane	117	5.057	5.057	0.000	94	627047	20.0	19.8	
\$ 26 Nitrobenzene-d5	82	5.098	5.104	-0.006	88	1437342	20.0	18.6	
28 Nitrobenzene	77	5.116	5.128	-0.012	94	2106486	20.0	19.7	
27 n,n'-Dimethylaniline	120	5.122	5.134	-0.012	93	2058678	20.0	20.2	
31 Isophorone	82	5.357	5.369	-0.012	99	2253129	20.0	20.1	
32 2-Nitrophenol	139	5.434	5.440	-0.006	89	679138	20.0	19.7	
33 2,4-Dimethylphenol	122	5.475	5.481	-0.006	88	1084651	20.0	19.8	
34 Bis(2-chloroethoxy)methane	93	5.575	5.575	0.000	99	1353974	20.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.575	5.610	-0.035	36	570637	20.0	21.2	
36 2,4-Dichlorophenol	162	5.675	5.681	-0.006	94	995657	20.0	20.0	
37 1,2,4-Trichlorobenzene	180	5.769	5.769	0.000	94	1161676	20.0	19.9	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7328181	40.0	40.0	
39 Naphthalene	128	5.845	5.846	-0.001	99	3706982	20.0	21.4	
40 4-Chloroaniline	127	5.892	5.898	-0.006	96	1425544	20.0	19.7	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	697088	20.0	19.7	
43 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	953657	20.0	20.1	
44 2-Methylnaphthalene	142	6.539	6.540	-0.001	85	2239478	20.0	19.7	
45 1-Methylnaphthalene	142	6.633	6.640	-0.007	92	1925667	20.0	19.9	
46 Hexachlorocyclopentadiene	237	6.704	6.704	0.000	96	652992	20.0	19.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.704	6.710	-0.006	95	943553	20.0	19.1	
48 2-tertbutyl-4-methylphenol	149	6.733	6.734	-0.001	90	1511422	20.0	20.0	
49 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	87	595360	20.0	19.7	
50 2,4,5-Trichlorophenol	196	6.851	6.851	0.000	95	596843	20.0	19.7	
\$ 51 2-Fluorobiphenyl	172	6.904	6.910	-0.006	98	2193870	20.0	19.1	
52 1,1'-Biphenyl	154	7.004	7.010	-0.006	94	2523160	20.0	20.1	
53 2-Chloronaphthalene	162	7.022	7.028	-0.006	96	1873017	20.0	19.3	
54 Phenyl ether	170	7.104	7.110	-0.006	87	1273693	20.0	19.4	
56 2-Nitroaniline	65	7.116	7.122	-0.006	97	676846	20.0	19.9	
57 1,3-Dimethylnaphthalene	156	7.239	7.240	-0.001	92	1567235	20.0	20.0	
58 Dimethyl phthalate	163	7.304	7.310	-0.006	98	1763840	20.0	20.0	
59 Coumarin	146	7.328	7.328	0.000	72	537709	20.0	20.6	
60 2,6-Dinitrotoluene	165	7.357	7.363	-0.006	95	413023	20.0	20.6	
61 Acenaphthylene	152	7.433	7.440	-0.007	98	2597158	20.0	20.0	
64 3-Nitroaniline	138	7.522	7.528	-0.006	93	415082	20.0	20.6	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3064229	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.592	7.592	0.000	96	1839039	20.0	19.6	
67 Acenaphthene	154	7.610	7.610	0.000	93	1926255	20.0	20.8	
68 2,4-Dinitrophenol	184	7.622	7.628	-0.006	96	436935	40.0	38.7	
69 4-Nitrophenol	65	7.680	7.687	-0.007	93	631159	40.0	40.8	
70 2,4-Dinitrotoluene	165	7.757	7.757	0.000	94	479620	20.0	20.6	
71 Dibenzofuran	168	7.775	7.786	-0.011	95	2302380	20.0	19.8	
72 2,3,4,6-Tetrachlorophenol	232	7.898	7.898	0.000	93	413274	20.0	20.1	
73 Diethyl phthalate	149	7.998	8.004	-0.006	98	1569365	20.0	19.9	
75 Fluorene	166	8.116	8.116	0.000	96	1826619	20.0	20.1	
74 4-Chlorophenyl phenyl ethe	204	8.110	8.116	-0.006	86	880435	20.0	19.9	
76 4-Nitroaniline	138	8.127	8.134	-0.007	89	362344	20.0	20.4	
77 4,6-Dinitro-2-methylphenol	198	8.157	8.163	-0.006	85	525098	40.0	39.0	
78 N-Nitrosodiphenylamine	169	8.227	8.234	-0.007	67	2420542	40.0	39.7	
79 1,2-Diphenylhydrazine	77	8.269	8.269	0.000	97	1826320	20.0	19.6	
\$ 80 2,4,6-Tribromophenol	330	8.351	8.357	-0.006	91	201672	20.0	18.7	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	84	417125	20.0	19.3	
83 Hexachlorobenzene	284	8.663	8.663	0.000	98	429425	20.0	20.5	
85 Pentachlorophenol	266	8.851	8.857	-0.006	91	518534	40.0	40.6	
86 Pentachloronitrobenzene	237	8.869	8.869	0.000	86	188352	20.0	20.8	
87 n-Octadecane	57	8.927	8.928	-0.001	91	884021	20.0	18.0	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3671166	40.0	40.0	
89 Phenanthrene	178	9.063	9.063	0.000	97	2055805	20.0	19.6	
90 Anthracene	178	9.116	9.116	0.000	99	2075051	20.0	19.6	
91 Carbazole	167	9.269	9.269	0.000	96	1628070	20.0	19.7	
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	1964526	20.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.239	10.239	0.000	98	1661208	20.0	19.5	
94 Benzidine	184	10.369	10.369	-0.001	99	682168	20.0	21.3	
95 Pyrene	202	10.474	10.475	-0.001	98	1659136	20.0	20.1	
82 Bisphenol-A	213	10.510	10.510	0.000	96	560731	20.0	17.2	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	1058219	20.0	18.6	
97 Butyl benzyl phthalate	149	11.174	11.175	-0.001	98	624421	20.0	19.9	
99 Carbamazepine	193	11.298	11.304	-0.006	91	479597	20.0	19.6	
100 3,3'-Dichlorobenzidine	252	11.821	11.822	-0.001	99	373517	20.0	19.3	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	97	1156353	20.0	19.1	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1930360	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	89	787146	20.0	19.2	
103 Chrysene	228	11.904	11.904	0.000	99	1049780	20.0	19.6	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	1122556	20.0	20.5	
106 Benzo[b]fluoranthene	252	13.309	13.310	-0.001	98	839949	20.0	20.0	
107 Benzo[k]fluoranthene	252	13.345	13.345	0.000	99	876555	20.0	19.7	
108 Benzo[a]pyrene	252	13.762	13.768	-0.006	97	759166	20.0	19.7	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1348620	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.462	15.468	-0.006	99	582890	20.0	17.9	
111 Dibenz(a,h)anthracene	278	15.503	15.510	-0.007	97	605829	20.0	18.3	
112 Benzo[g,h,i]perylene	276	15.921	15.927	-0.006	98	647738	20.0	19.5	
S 119 Total Cresols	1				0			40.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

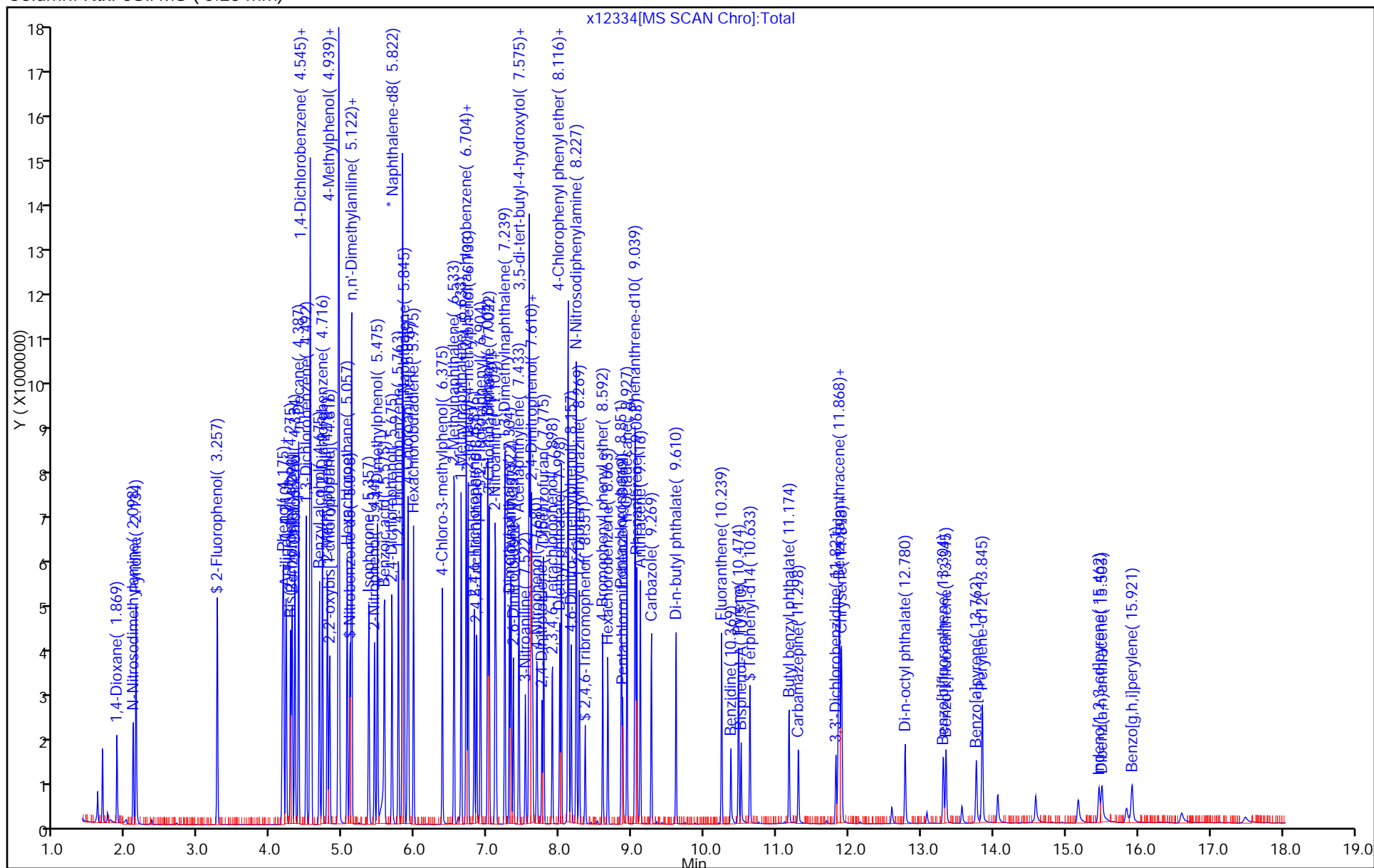
SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAM5\\20160331-39236.b\\x12334.D		
Injection Date:	31-Mar-2016 05:34:30	Instrument ID:	CBNAM5
Lims ID:	std20		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 5



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12335.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 31-Mar-2016 05:58:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-006
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:59:03 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczech

Date: 31-Mar-2016 09:59:03

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	1.869	1.863	0.006	94	329741	10.0	9.09	
2 N-Nitrosodimethylamine	74	2.093	2.099	-0.006	89	457116	10.0	9.65	
3 Pyridine	79	2.134	2.128	0.006	96	820713	10.0	9.68	
\$ 4 2-Fluorophenol	112	3.257	3.263	-0.006	94	734488	10.0	9.40	
\$ 6 Phenol-d5	99	4.157	4.175	-0.018	91	859474	10.0	9.79	
7 Phenol	94	4.169	4.193	-0.024	98	884296	10.0	9.68	
8 Aniline	93	4.210	4.222	-0.012	99	1062410	10.0	9.78	
9 Bis(2-chloroethyl)ether	93	4.269	4.281	-0.012	99	664919	10.0	9.65	
10 Benzonitrile	103	4.287	4.310	-0.023	66	1316786	NC	NC	
11 2-Chlorophenol	128	4.334	4.340	-0.006	94	711590	10.0	9.75	
12 n-Decane	43	4.387	4.387	0.000	83	633043	10.0	9.08	
13 1,3-Dichlorobenzene	146	4.487	4.493	-0.006	93	803476	10.0	9.61	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2120192	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.557	4.563	-0.006	94	819778	10.0	9.64	
16 Benzyl alcohol	108	4.669	4.681	-0.012	91	423876	10.0	10.1	
17 1,2-Dichlorobenzene	146	4.716	4.716	0.000	93	758897	10.0	9.73	
18 2-Methylphenol	108	4.781	4.793	-0.012	86	619947	10.0	9.98	
19 2,2'-oxybis[1-chloropropan	45	4.810	4.816	-0.006	85	623262	10.0	9.66	
20 N-Methylaniline	106	4.934	4.940	-0.006	82	1046739	NC	NC	
21 Acetophenone	105	4.940	4.951	-0.011	92	958592	10.0	10.2	
23 3 & 4 Methylphenol	108	4.934	4.951	-0.017	86	720702	10.0	10.2	
24 4-Methylphenol	108	4.934	4.951	-0.017	81	720702	10.0	10.2	
22 N-Nitrosodi-n-propylamine	70	4.940	4.957	-0.017	87	494647	10.0	10.5	
25 Hexachloroethane	117	5.057	5.057	0.000	94	313469	10.0	9.81	
\$ 26 Nitrobenzene-d5	82	5.093	5.104	-0.011	87	764089	10.0	9.59	
28 Nitrobenzene	77	5.110	5.128	-0.018	93	1057836	10.0	9.61	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	93	1032051	10.0	10.0	
31 Isophorone	82	5.351	5.369	-0.018	99	1162085	10.0	10.0	
32 2-Nitrophenol	139	5.434	5.440	-0.006	86	340243	10.0	9.61	
33 2,4-Dimethylphenol	122	5.475	5.481	-0.006	88	535551	10.0	9.52	
34 Bis(2-chloroethoxy)methane	93	5.569	5.575	-0.006	98	691096	10.0	9.64	

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	5.546	5.610	-0.064	87	259928	10.0	9.40	
36 2,4-Dichlorophenol	162	5.675	5.681	-0.006	94	511017	10.0	9.98	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	93	589080	10.0	9.79	
* 38 Naphthalene-d8	136	5.822	5.828	-0.006	99	7545100	40.0	40.0	e
39 Naphthalene	128	5.840	5.846	-0.006	99	1892875	10.0	10.6	
40 4-Chloroaniline	127	5.893	5.898	-0.005	95	721405	10.0	9.67	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	359772	10.0	9.87	
43 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	504365	10.0	10.3	
44 2-Methylnaphthalene	142	6.534	6.540	-0.006	86	1169736	10.0	9.98	
45 1-Methylnaphthalene	142	6.634	6.640	-0.006	92	980047	10.0	9.82	
46 Hexachlorocyclopentadiene	237	6.704	6.704	0.000	96	315101	10.0	8.71	
47 1,2,4,5-Tetrachlorobenzene	216	6.704	6.710	-0.006	95	499730	10.0	9.42	
48 2-tertbutyl-4-methylphenol	149	6.728	6.734	-0.006	89	758950	10.0	9.78	
49 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	89	309360	10.0	9.56	
50 2,4,5-Trichlorophenol	196	6.845	6.851	-0.006	93	315929	10.0	9.73	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	98	1195132	10.0	9.68	
52 1,1'-Biphenyl	154	6.998	7.010	-0.012	95	1307481	10.0	9.70	
53 2-Chloronaphthalene	162	7.016	7.028	-0.012	97	984909	10.0	9.44	
54 Phenyl ether	170	7.104	7.110	-0.006	87	664278	10.0	9.44	
56 2-Nitroaniline	65	7.116	7.122	-0.006	96	365399	10.0	10.0	
57 1,3-Dimethylnaphthalene	156	7.240	7.240	0.000	91	800293	10.0	9.53	
58 Dimethyl phthalate	163	7.298	7.310	-0.012	98	955340	10.0	10.1	
59 Coumarin	146	7.322	7.328	-0.006	70	289192	10.0	10.8	
60 2,6-Dinitrotoluene	165	7.351	7.363	-0.012	94	217178	10.0	10.1	
61 Acenaphthylene	152	7.434	7.440	-0.006	98	1370379	10.0	9.83	
64 3-Nitroaniline	138	7.522	7.528	-0.006	92	215313	10.0	9.95	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3286146	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.592	7.592	0.000	96	948195	10.0	9.42	
67 Acenaphthene	154	7.604	7.610	-0.006	93	1001232	10.0	10.1	
68 2,4-Dinitrophenol	184	7.622	7.628	-0.006	67	210501	20.0	18.8	
69 4-Nitrophenol	65	7.675	7.687	-0.012	91	321365	20.0	19.4	
70 2,4-Dinitrotoluene	165	7.751	7.757	-0.006	92	257664	10.0	10.3	
71 Dibenzofuran	168	7.775	7.786	-0.011	95	1219561	10.0	9.76	
72 2,3,4,6-Tetrachlorophenol	232	7.892	7.898	-0.006	91	217877	10.0	9.88	
73 Diethyl phthalate	149	7.998	8.004	-0.006	98	872664	10.0	10.3	
75 Fluorene	166	8.116	8.116	0.000	97	964366	10.0	9.89	
74 4-Chlorophenyl phenyl ethe	204	8.110	8.116	-0.006	87	468566	10.0	9.88	
76 4-Nitroaniline	138	8.122	8.134	-0.012	89	195364	10.0	10.2	
77 4,6-Dinitro-2-methylphenol	198	8.151	8.163	-0.012	84	261577	20.0	18.4	
78 N-Nitrosodiphenylamine	169	8.228	8.234	-0.006	67	1289756	20.0	18.9	
79 1,2-Diphenylhydrazine	77	8.269	8.269	0.000	97	966555	10.0	9.28	
\$ 80 2,4,6-Tribromophenol	330	8.351	8.357	-0.006	93	117048	10.0	10.1	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	85	226399	10.0	9.36	
83 Hexachlorobenzene	284	8.663	8.663	0.000	98	229270	10.0	9.79	
85 Pentachlorophenol	266	8.851	8.857	-0.006	90	269460	20.0	18.9	
86 Pentachloronitrobenzene	237	8.869	8.869	0.000	86	100185	10.0	9.90	
87 n-Octadecane	57	8.928	8.928	0.000	92	470681	10.0	8.60	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4101035	40.0	40.0	
89 Phenanthrene	178	9.063	9.063	0.000	97	1116361	10.0	9.54	
90 Anthracene	178	9.110	9.116	-0.006	99	1123694	10.0	9.51	
91 Carbazole	167	9.263	9.269	-0.006	96	888322	10.0	9.62	
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	1075095	10.0	9.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.239	10.239	0.000	98	930015	10.0	9.78	
94 Benzidine	184	10.363	10.369	-0.006	99	370152	10.0	10.7	
95 Pyrene	202	10.469	10.475	-0.006	98	917886	10.0	10.2	
82 Bisphenol-A	213	10.510	10.510	0.000	99	320946	10.0	8.97	
\$ 96 Terphenyl-d14	244	10.628	10.633	-0.005	99	616357	10.0	9.87	
97 Butyl benzyl phthalate	149	11.169	11.175	-0.006	98	341348	10.0	9.93	
99 Carbamazepine	193	11.298	11.304	-0.006	90	249914	10.0	9.33	
100 3,3'-Dichlorobenzidine	252	11.822	11.822	0.000	99	202669	10.0	9.57	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	98	633180	10.0	9.54	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	2115979	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	88	440503	10.0	9.82	
103 Chrysene	228	11.898	11.904	-0.006	99	581656	10.0	9.91	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	605100	10.0	10.1	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	98	430948	10.0	9.40	
107 Benzo[k]fluoranthene	252	13.345	13.345	0.000	99	478849	10.0	9.88	
108 Benzo[a]pyrene	252	13.763	13.768	-0.005	98	408003	10.0	9.70	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1468700	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.463	15.468	-0.006	99	284315	10.0	8.01	M
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	94	308622	10.0	8.55	M
112 Benzo[g,h,i]perylene	276	15.915	15.927	-0.012	97	324162	10.0	8.96	
S 119 Total Cresols	1				0			20.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

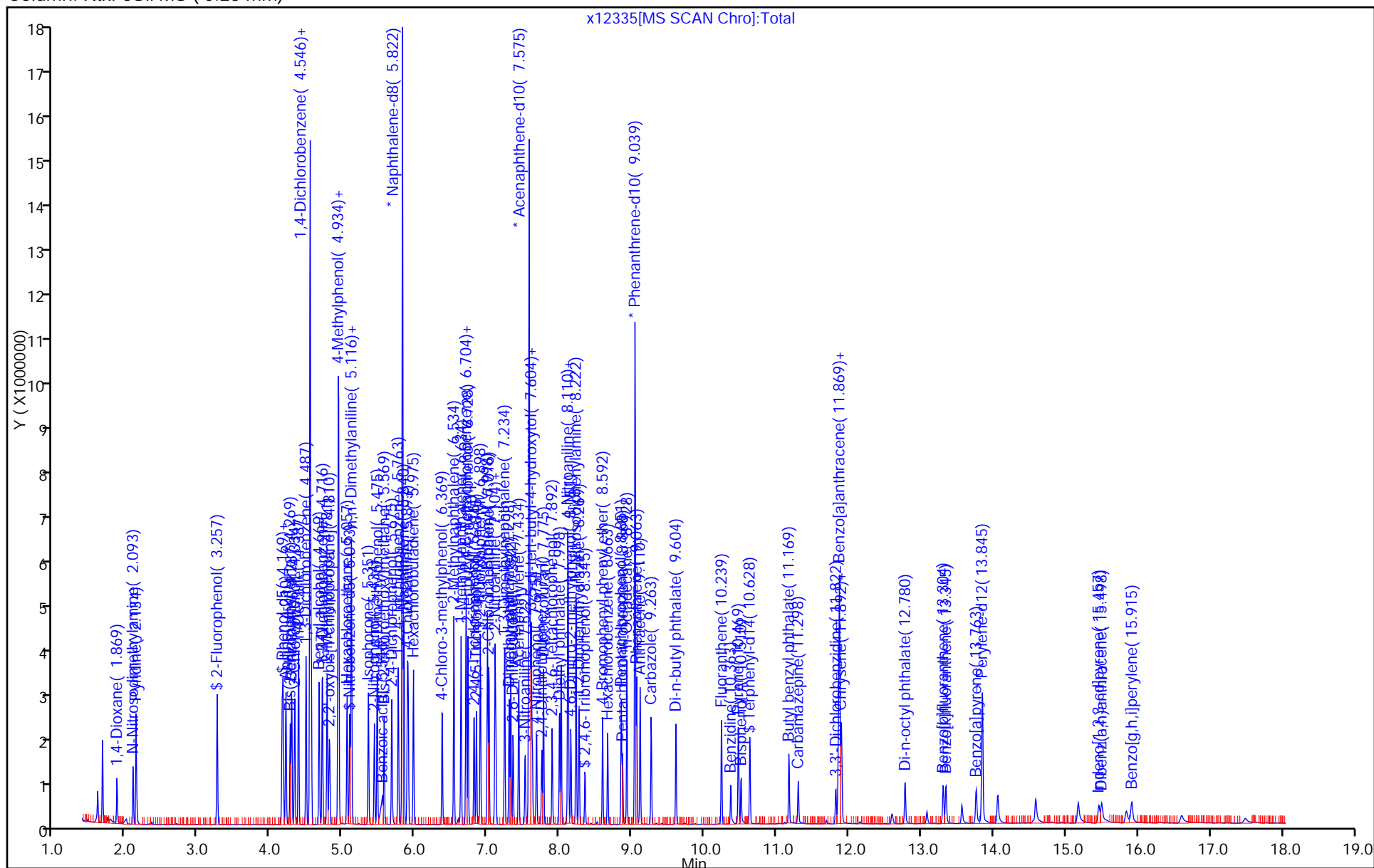
Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12335.D		
Injection Date:	31-Mar-2016 05:58:30	Instrument ID:	CBNAMS5
Lims ID:	std10		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 6

ALS Bottle#: 6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12335.D

Injection Date: 31-Mar-2016 05:58:30

Instrument ID: CBNAMS5

Lims ID: std10

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 6

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

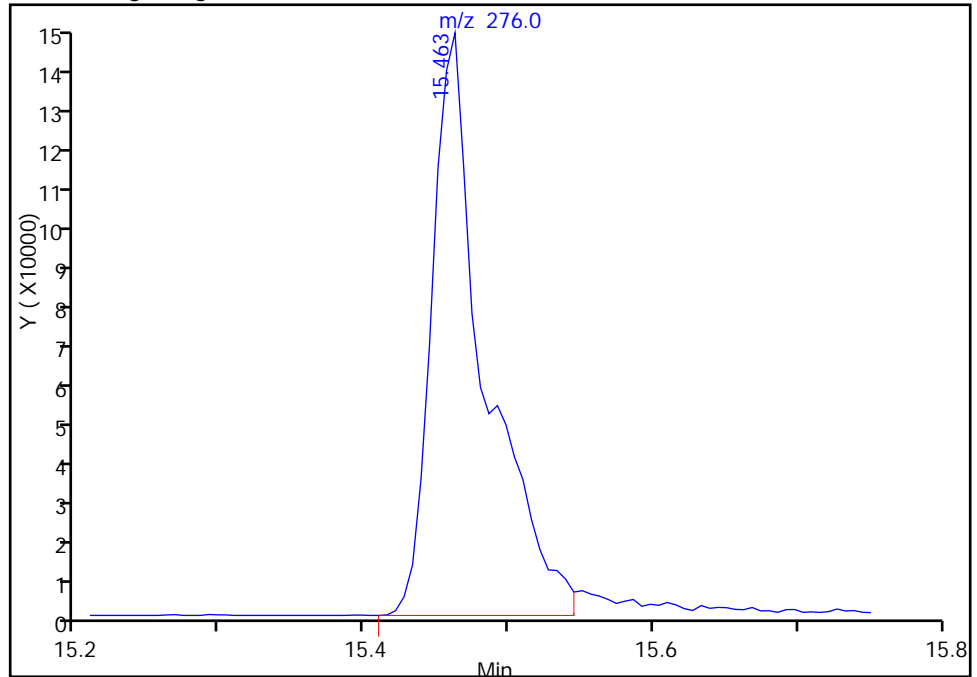
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

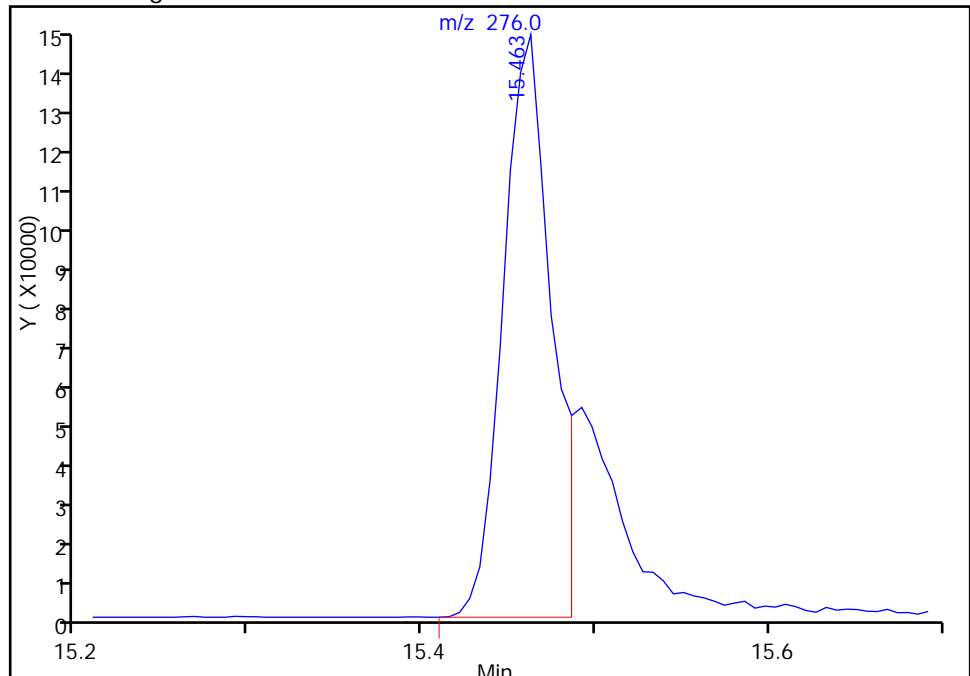
Processing Integration Results

RT: 15.46
Area: 372696
Amount: 12.392532
Amount Units: ug/ml



Manual Integration Results

RT: 15.46
Area: 284315
Amount: 8.006603
Amount Units: ug/ml



Reviewer: szczecha, 31-Mar-2016 09:40:50

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12335.D

Injection Date: 31-Mar-2016 05:58:30

Instrument ID: CBNAMS5

Lims ID: std10

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 6

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

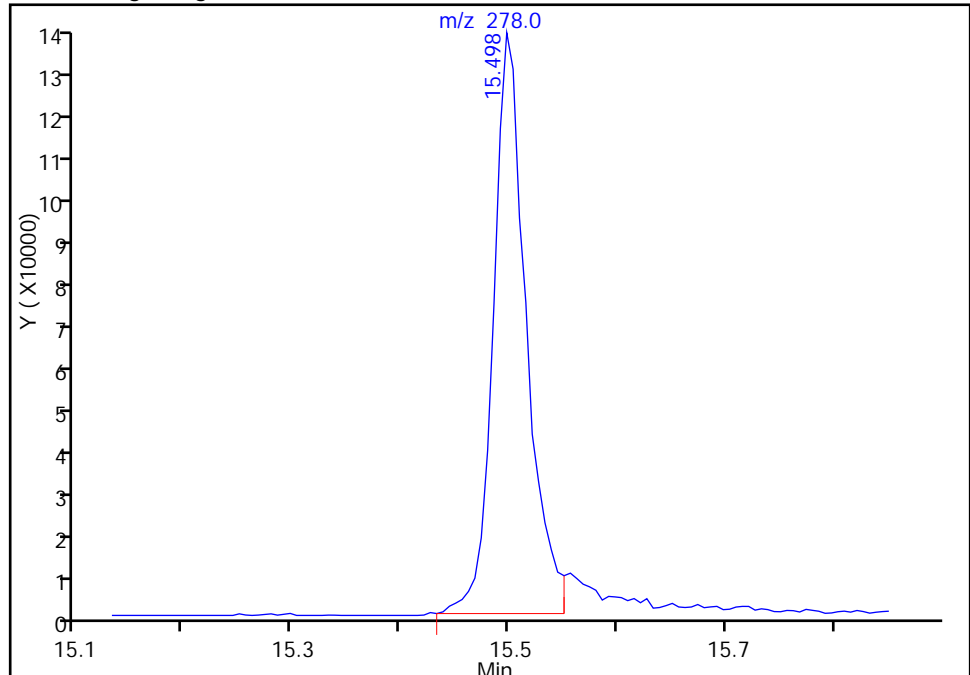
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

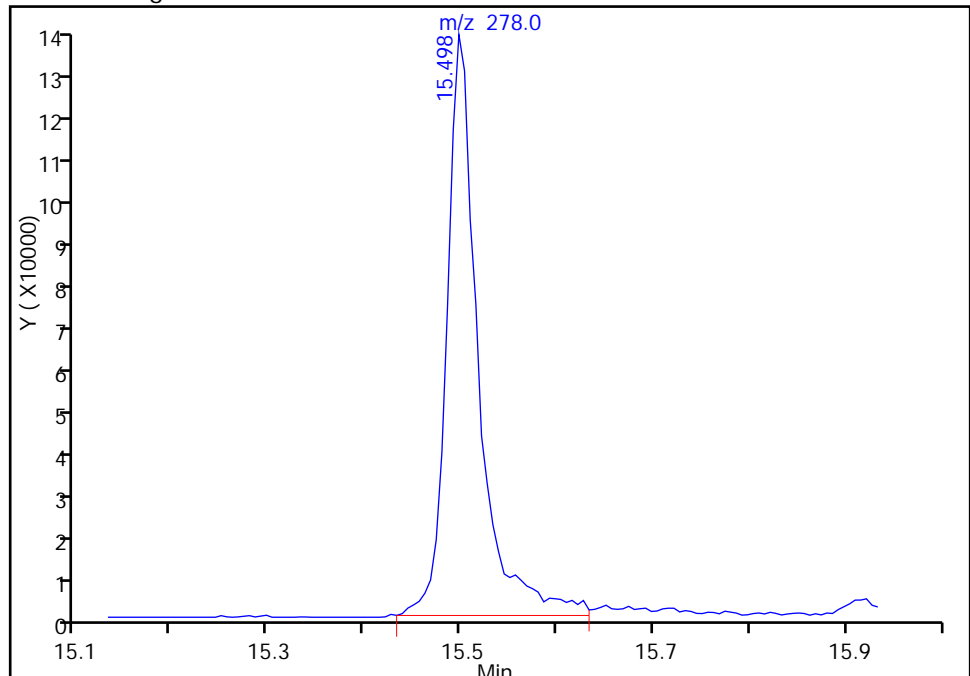
RT: 15.50
Area: 285785
Amount: 8.868927
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 308622
Amount: 8.553251
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:40:50

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12336.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 31-Mar-2016 06:23:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-007
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:59:39 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:59:39

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	1.875	1.863	0.012	91	171828	5.00	4.37	
2 N-Nitrosodimethylamine	74	2.099	2.099	0.000	87	237242	5.00	4.62	
3 Pyridine	79	2.140	2.128	0.012	96	406207	5.00	4.42	
\$ 4 2-Fluorophenol	112	3.257	3.263	-0.006	94	399173	5.00	4.71	
\$ 6 Phenol-d5	99	4.157	4.175	-0.018	95	471265	5.00	4.95	
7 Phenol	94	4.169	4.193	-0.024	97	446981	5.00	4.52	
8 Aniline	93	4.210	4.222	-0.012	100	535716	5.00	4.55	
9 Bis(2-chloroethyl)ether	93	4.269	4.281	-0.012	99	345518	5.00	4.62	
10 Benzonitrile	103	4.287	4.310	-0.023	66	710312	NC	NC	
11 2-Chlorophenol	128	4.328	4.340	-0.012	94	365397	5.00	4.62	
12 n-Decane	43	4.381	4.387	-0.006	83	316355	5.00	4.18	
13 1,3-Dichlorobenzene	146	4.487	4.493	-0.006	93	414864	5.00	4.58	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2298305	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.557	4.563	-0.006	94	420389	5.00	4.56	
16 Benzyl alcohol	108	4.669	4.681	-0.012	91	208135	5.00	4.58	
17 1,2-Dichlorobenzene	146	4.716	4.716	0.000	94	390484	5.00	4.62	
18 2-Methylphenol	108	4.775	4.793	-0.018	86	318956	5.00	4.74	
19 2,2'-oxybis[1-chloropropan	45	4.810	4.816	-0.006	84	314995	5.00	4.50	
20 N-Methylaniline	106	4.928	4.940	-0.012	78	538928	NC	NC	
21 Acetophenone	105	4.940	4.951	-0.011	90	488855	5.00	4.80	
23 3 & 4 Methylphenol	108	4.934	4.951	-0.017	81	360388	5.00	4.70	
24 4-Methylphenol	108	4.934	4.951	-0.017	83	360388	5.00	4.70	
22 N-Nitrosodi-n-propylamine	70	4.940	4.957	-0.017	73	241486	5.00	4.72	
25 Hexachloroethane	117	5.057	5.057	0.000	93	158124	5.00	4.57	
\$ 26 Nitrobenzene-d5	82	5.093	5.104	-0.011	87	415925	5.00	5.03	
28 Nitrobenzene	77	5.110	5.128	-0.018	93	547564	5.00	4.78	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	97	538303	5.00	4.83	
31 Isophorone	82	5.351	5.369	-0.018	99	598523	5.00	4.98	
32 2-Nitrophenol	139	5.434	5.440	-0.006	86	172171	5.00	4.68	
33 2,4-Dimethylphenol	122	5.469	5.481	-0.012	89	276467	5.00	4.73	
34 Bis(2-chloroethoxy)methane	93	5.569	5.575	-0.006	99	355875	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 Benzoic acid	122	5.528	5.610	-0.082	86	116900	5.00	4.07	
36 2,4-Dichlorophenol	162	5.675	5.681	-0.006	94	250730	5.00	4.71	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	93	304331	5.00	4.87	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7840915	40.0	40.0	
39 Naphthalene	128	5.840	5.846	-0.006	99	949001	5.00	5.11	
40 4-Chloroaniline	127	5.887	5.898	-0.011	95	360100	5.00	4.65	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	92	177106	5.00	4.68	
43 4-Chloro-3-methylphenol	107	6.369	6.375	-0.006	94	245384	5.00	4.83	
44 2-Methylnaphthalene	142	6.534	6.540	-0.006	85	576715	5.00	4.74	
45 1-Methylnaphthalene	142	6.634	6.640	-0.006	92	500273	5.00	4.83	
46 Hexachlorocyclopentadiene	237	6.698	6.704	-0.006	95	142736	5.00	3.77	
47 1,2,4,5-Tetrachlorobenzene	216	6.704	6.710	-0.006	95	242821	5.00	4.38	
48 2-tertbutyl-4-methylphenol	149	6.728	6.734	-0.006	89	393942	5.00	4.88	
49 2,4,6-Trichlorophenol	196	6.810	6.816	-0.006	92	153433	5.00	4.54	
50 2,4,5-Trichlorophenol	196	6.845	6.851	-0.006	93	153064	5.00	4.51	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	98	623003	5.00	4.83	
52 1,1'-Biphenyl	154	6.998	7.010	-0.012	95	639690	5.00	4.54	
53 2-Chloronaphthalene	162	7.016	7.028	-0.012	96	482294	5.00	4.42	
54 Phenyl ether	170	7.104	7.110	-0.006	87	340192	5.00	4.62	
56 2-Nitroaniline	65	7.110	7.122	-0.012	96	178986	5.00	4.69	
57 1,3-Dimethylnaphthalene	156	7.234	7.240	-0.006	91	413179	5.00	4.71	
58 Dimethyl phthalate	163	7.298	7.310	-0.012	98	475753	5.00	4.81	
59 Coumarin	146	7.316	7.328	-0.012	71	149880	5.00	5.36	
60 2,6-Dinitrotoluene	165	7.351	7.363	-0.012	93	108637	5.00	4.83	
61 Acenaphthylene	152	7.428	7.440	-0.012	97	679009	5.00	4.66	
64 3-Nitroaniline	138	7.516	7.528	-0.012	91	108120	5.00	4.78	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3436052	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.592	7.592	0.000	96	470516	5.00	4.47	
67 Acenaphthene	154	7.604	7.610	-0.006	93	486860	5.00	4.69	
68 2,4-Dinitrophenol	184	7.616	7.628	-0.012	95	83609	10.0	8.69	
69 4-Nitrophenol	65	7.675	7.687	-0.012	92	149284	10.0	8.61	
70 2,4-Dinitrotoluene	165	7.751	7.757	-0.006	92	126798	5.00	4.85	
71 Dibenzofuran	168	7.775	7.786	-0.011	95	599723	5.00	4.59	
72 2,3,4,6-Tetrachlorophenol	232	7.892	7.898	-0.006	90	103663	5.00	4.49	
73 Diethyl phthalate	149	7.992	8.004	-0.012	98	428059	5.00	4.84	
75 Fluorene	166	8.110	8.116	-0.006	96	470595	5.00	4.61	
74 4-Chlorophenyl phenyl ethe	204	8.110	8.116	-0.006	87	230441	5.00	4.65	
76 4-Nitroaniline	138	8.116	8.134	-0.018	90	92566	5.00	4.64	
77 4,6-Dinitro-2-methylphenol	198	8.151	8.163	-0.012	84	119199	10.0	9.39	
78 N-Nitrosodiphenylamine	169	8.222	8.234	-0.012	67	624519	10.0	9.11	
79 1,2-Diphenylhydrazine	77	8.263	8.269	-0.006	98	471914	5.00	4.50	
\$ 80 2,4,6-Tribromophenol	330	8.351	8.357	-0.006	93	58345	5.00	4.83	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	83	110329	5.00	4.53	
83 Hexachlorobenzene	284	8.663	8.663	0.000	98	108472	5.00	4.60	
85 Pentachlorophenol	266	8.851	8.857	-0.006	91	121163	10.0	8.43	
86 Pentachloronitrobenzene	237	8.869	8.869	0.000	87	50043	5.00	4.91	
87 n-Octadecane	57	8.928	8.928	0.000	91	217916	5.00	3.96	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4129757	40.0	40.0	
89 Phenanthrene	178	9.063	9.063	0.000	97	537898	5.00	4.57	
90 Anthracene	178	9.110	9.116	-0.006	99	541904	5.00	4.55	
91 Carbazole	167	9.263	9.269	-0.006	96	425844	5.00	4.58	
92 Di-n-butyl phthalate	149	9.604	9.610	-0.006	99	490585	5.00	4.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.239	10.239	0.000	98	404586	5.00	4.23	
94 Benzidine	184	10.363	10.369	-0.006	99	139913	5.00	3.65	
95 Pyrene	202	10.469	10.475	-0.006	98	412222	5.00	5.13	
82 Bisphenol-A	213	10.510	10.510	0.000	99	202906	5.00	6.39	
\$ 96 Terphenyl-d14	244	10.628	10.633	-0.005	99	281139	5.00	5.07	
97 Butyl benzyl phthalate	149	11.169	11.175	-0.006	98	147041	5.00	4.82	
99 Carbamazepine	193	11.298	11.304	-0.006	91	105926	5.00	4.45	
100 3,3'-Dichlorobenzidine	252	11.816	11.822	-0.006	99	85516	5.00	4.54	
101 Benzo[a]anthracene	228	11.851	11.857	-0.006	97	268709	5.00	4.56	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1879750	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	88	179094	5.00	4.49	
103 Chrysene	228	11.898	11.904	-0.006	98	243233	5.00	4.66	
105 Di-n-octyl phthalate	149	12.774	12.780	-0.006	97	253805	5.00	4.55	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	98	194603	5.00	4.54	
107 Benzo[k]fluoranthene	252	13.339	13.345	-0.006	99	208274	5.00	4.59	
108 Benzo[a]pyrene	252	13.763	13.768	-0.005	97	179725	5.00	4.57	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1374103	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.457	15.468	-0.011	98	152791	5.00	4.60	M
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	95	150337	5.00	4.45	M
112 Benzo[g,h,i]perylene	276	15.915	15.927	-0.012	98	165456	5.00	4.89	
S 119 Total Cresols	1				0			9.44	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L3_00012

Amount Added: 1.00

Units: mL

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\x12336.D

Instrument ID: CBNAMS5

Lims ID: std5

Worklist Smp#: 7

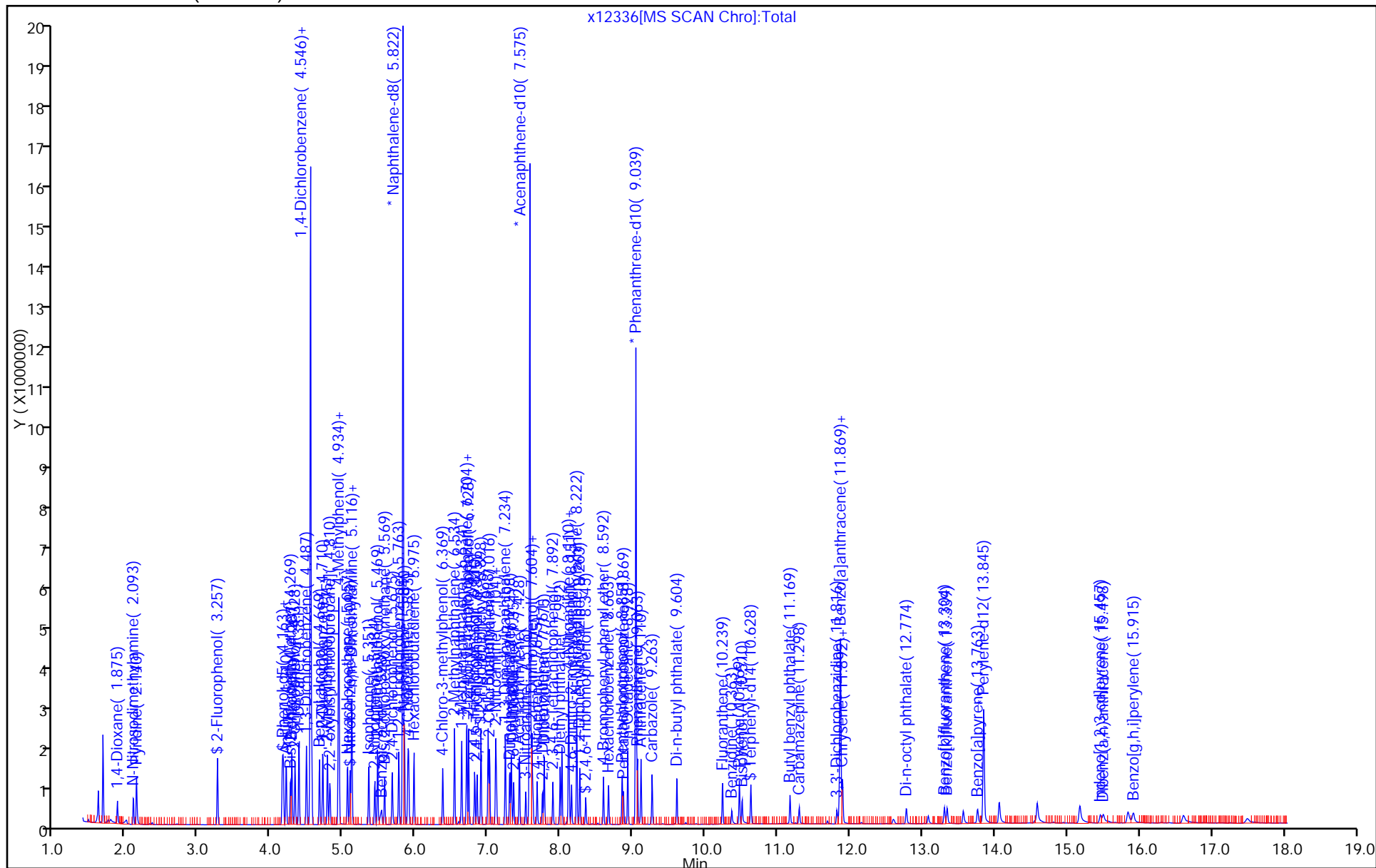
Client ID:

Dil. Factor: 1.0000

ALS Bottle#: 7

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

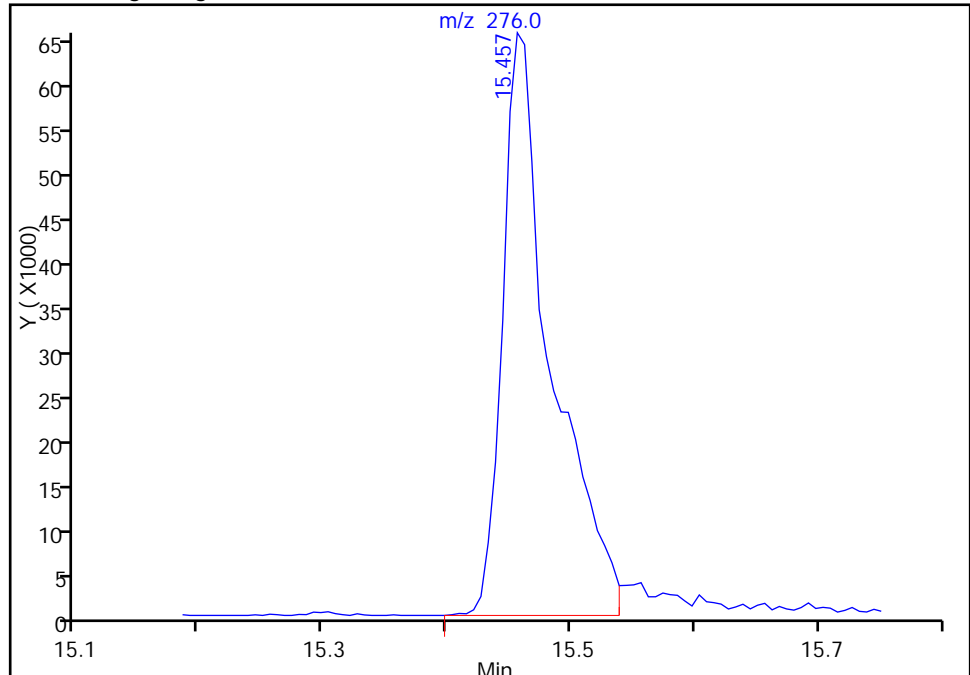
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Injection Date: 31-Mar-2016 06:23:30 Instrument ID: CBNAMS5
Lims ID: std5
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

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

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

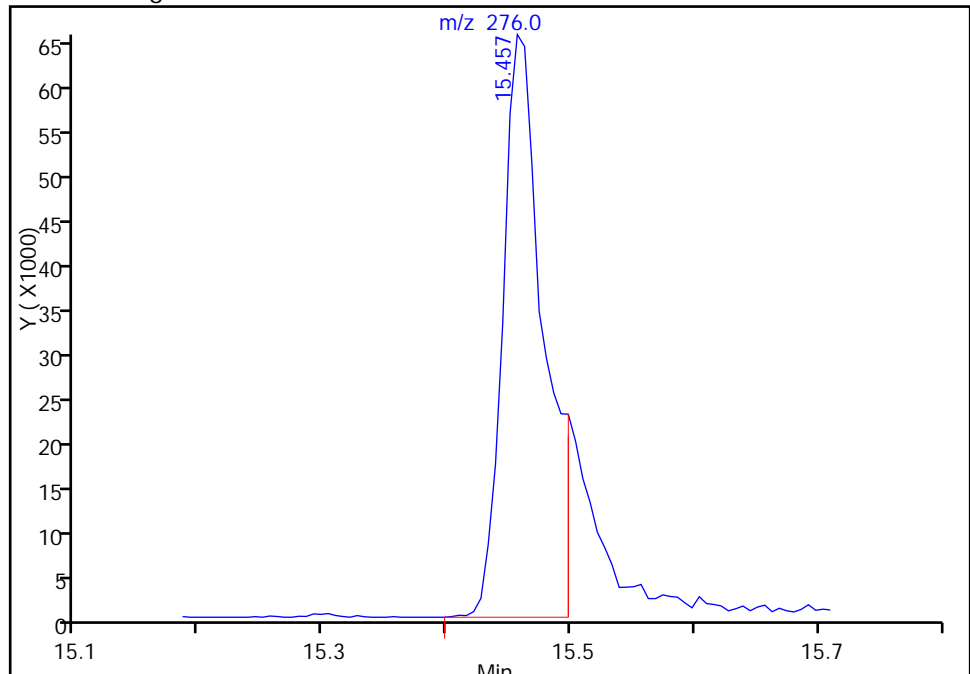
RT: 15.46
Area: 179191
Amount: 6.734455
Amount Units: ug/ml

Processing Integration Results



RT: 15.46
Area: 152791
Amount: 4.598965
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:48:14
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12336.D

Injection Date: 31-Mar-2016 06:23:30

Instrument ID: CBNAMS5

Lims ID: std5

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

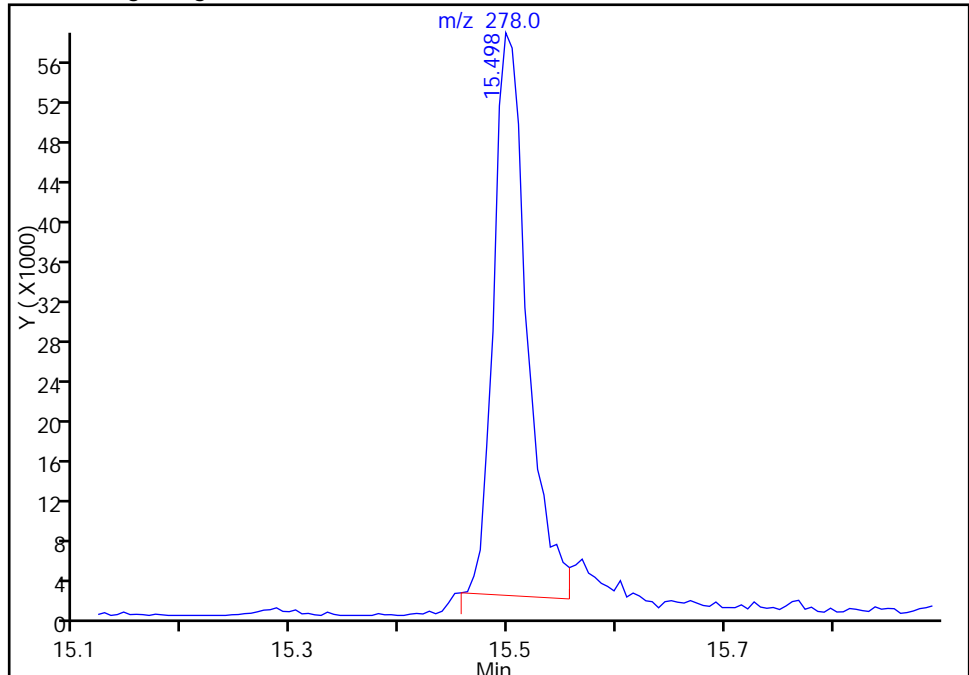
Detector

MS SCAN

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

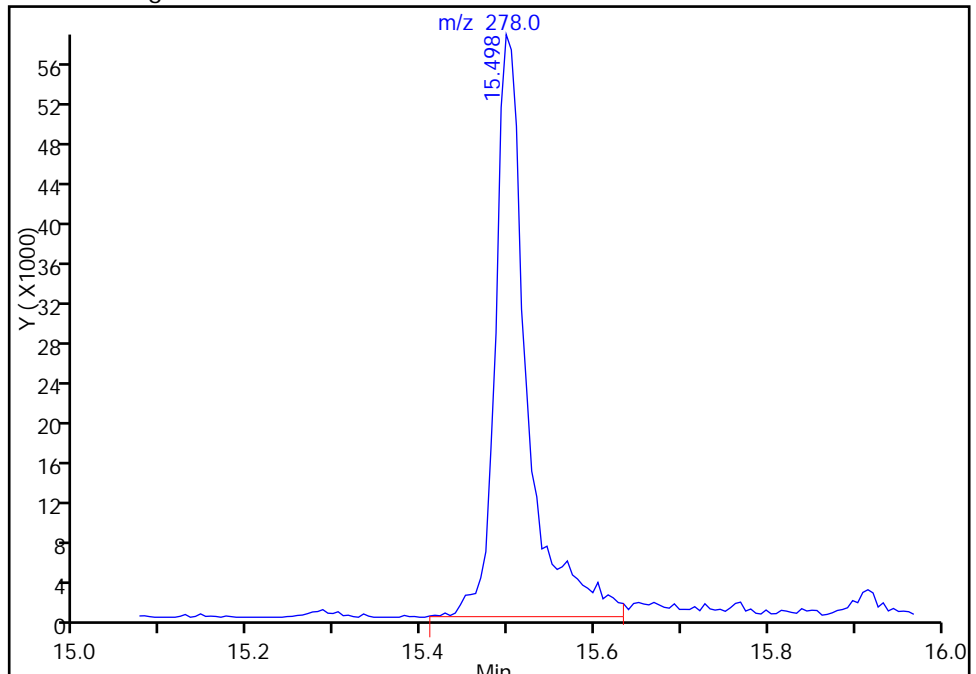
RT: 15.50
Area: 122751
Amount: 4.039838
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 150337
Amount: 4.453321
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:48:14

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12337.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 31-Mar-2016 06:47:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-008
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 10:03:40 Calib Date: 31-Mar-2016 09:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12343.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 10:03:39

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	3.257	3.263	-0.006	92	146812	2.00	1.91	
\$ 6 Phenol-d5	99	4.151	4.175	-0.024	89	176374	2.00	2.04	
9 Bis(2-chloroethyl)ether	93	4.263	4.281	-0.018	99	128710	2.00	1.90	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2087393	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.934	4.957	-0.023	72	92874	2.00	2.00	
25 Hexachloroethane	117	5.057	5.057	0.000	93	61088	2.00	1.94	
\$ 26 Nitrobenzene-d5	82	5.087	5.104	-0.017	87	161685	2.00	2.08	
28 Nitrobenzene	77	5.110	5.128	-0.018	94	206385	2.00	1.92	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	93	196788	2.00	1.94	
31 Isophorone	82	5.345	5.369	-0.024	99	231494	2.00	2.05	
36 2,4-Dichlorophenol	162	5.669	5.681	-0.012	94	92851	2.00	1.86	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	93	110626	2.00	1.89	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7356259	40.0	40.0	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	93	67762	2.00	1.91	
49 2,4,6-Trichlorophenol	196	6.810	6.816	-0.006	87	56919	2.00	1.86	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	97	233738	2.00	2.01	
60 2,6-Dinitrotoluene	165	7.351	7.363	-0.012	93	39924	2.00	1.97	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	93	3102366	40.0	40.0	
68 2,4-Dinitrophenol	184	7.616	7.628	-0.012	94	21425	4.00	4.26	
70 2,4-Dinitrotoluene	165	7.751	7.757	-0.006	93	47943	2.00	2.03	
77 4,6-Dinitro-2-methylphenol	198	8.151	8.163	-0.012	79	33494	4.00	4.16	
78 N-Nitrosodiphenylamine	169	8.222	8.234	-0.012	67	238097	4.00	3.72	
\$ 80 2,4,6-Tribromophenol	330	8.345	8.357	-0.012	90	21789	2.00	2.00	
83 Hexachlorobenzene	284	8.663	8.663	0.000	97	40411	2.00	1.83	
85 Pentachlorophenol	266	8.851	8.857	-0.006	91	40897	4.00	3.05	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3860334	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.627	10.633	-0.006	98	110708	2.00	2.10	
100 3,3'-Dichlorobenzidine	252	11.821	11.822	-0.001	95	29694	2.00	1.66	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	97	112087	2.00	2.00	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	100	1787417	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	98	81310	2.00	2.03	

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	13.339	13.345	-0.006	98	88189	2.00	2.08	
108 Benzo[a]pyrene	252	13.762	13.768	-0.006	97	73880	2.00	2.01	
* 109 Perylene-d12	264	13.851	13.845	0.006	99	1283225	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.456	15.468	-0.012	97	65935	2.00	2.13	M
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	95	69478	2.00	2.20	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L0_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12337.D

Injection Date: 31-Mar-2016 06:47:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

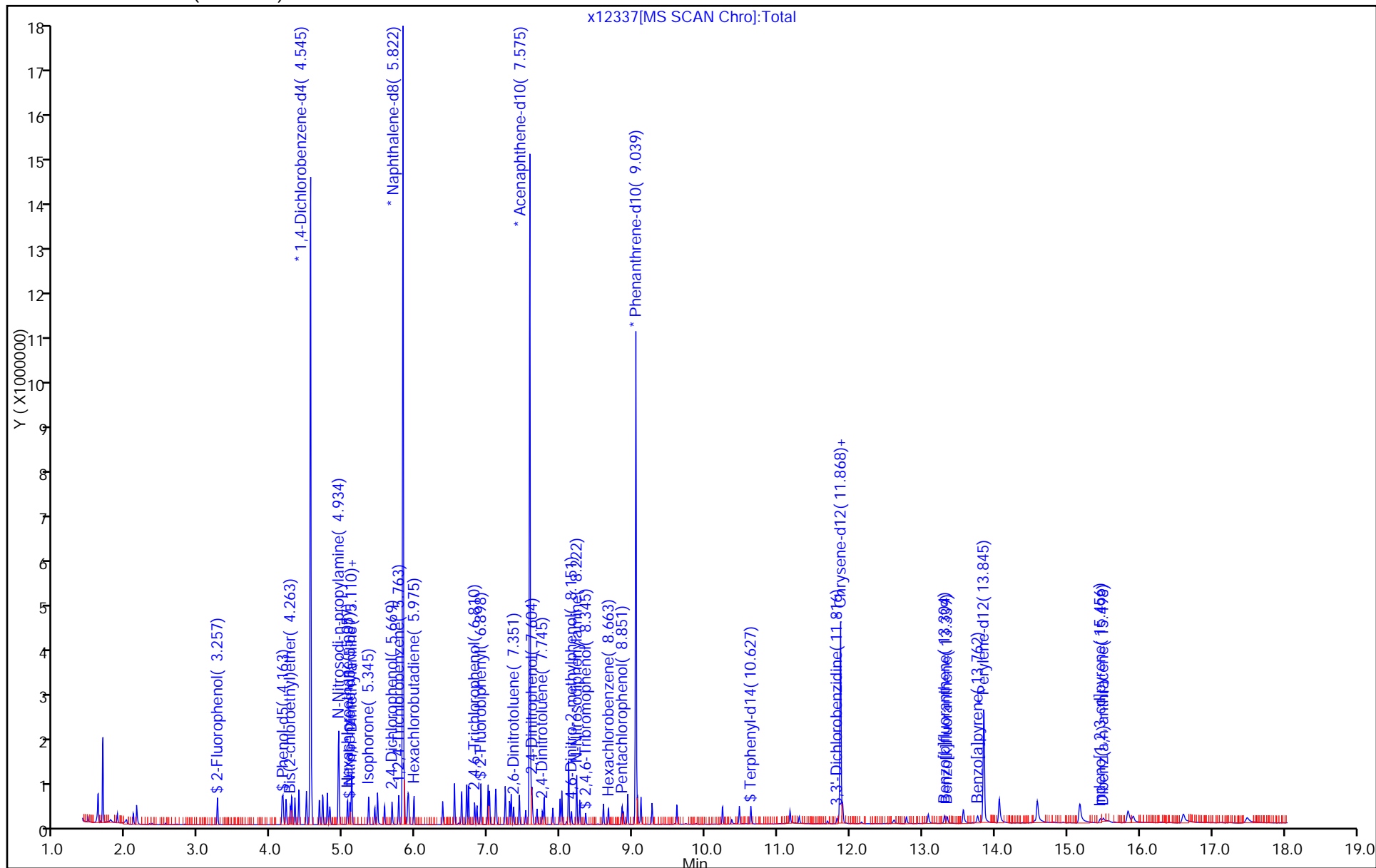
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12337.D

Injection Date: 31-Mar-2016 06:47:30

Instrument ID: CBNAMS5

Lims ID: std2

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

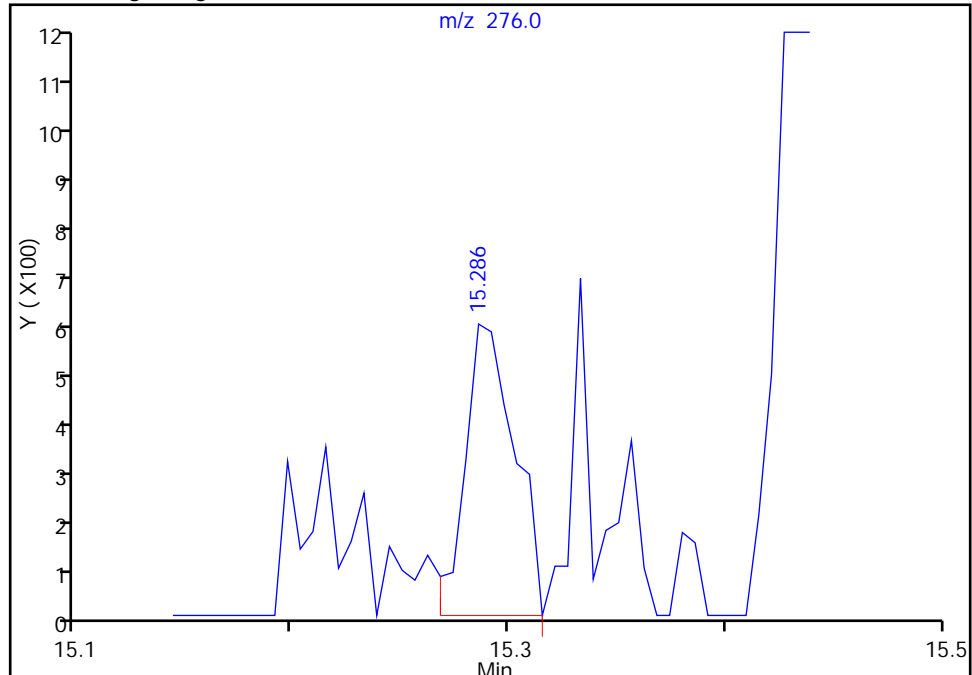
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

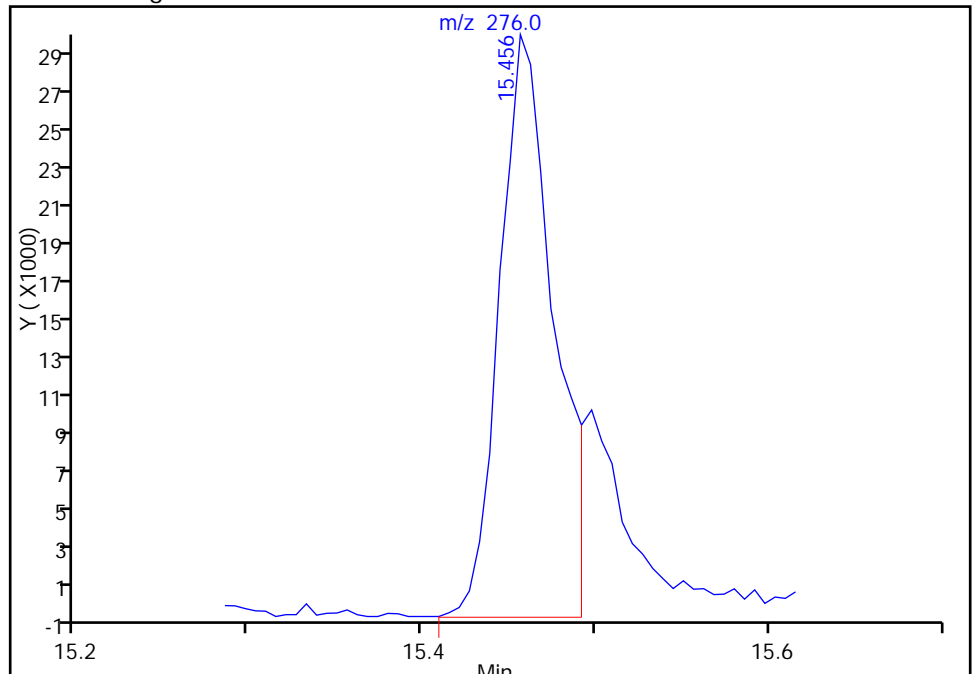
Processing Integration Results

RT: 15.29
Area: 895
Amount: 1.821362
Amount Units: ug/ml



Manual Integration Results

RT: 15.46
Area: 65935
Amount: 2.125176
Amount Units: ug/ml



Reviewer: szczecha, 31-Mar-2016 09:54:43

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12337.D

Injection Date: 31-Mar-2016 06:47:30

Instrument ID: CBNAMS5

Lims ID: std2

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

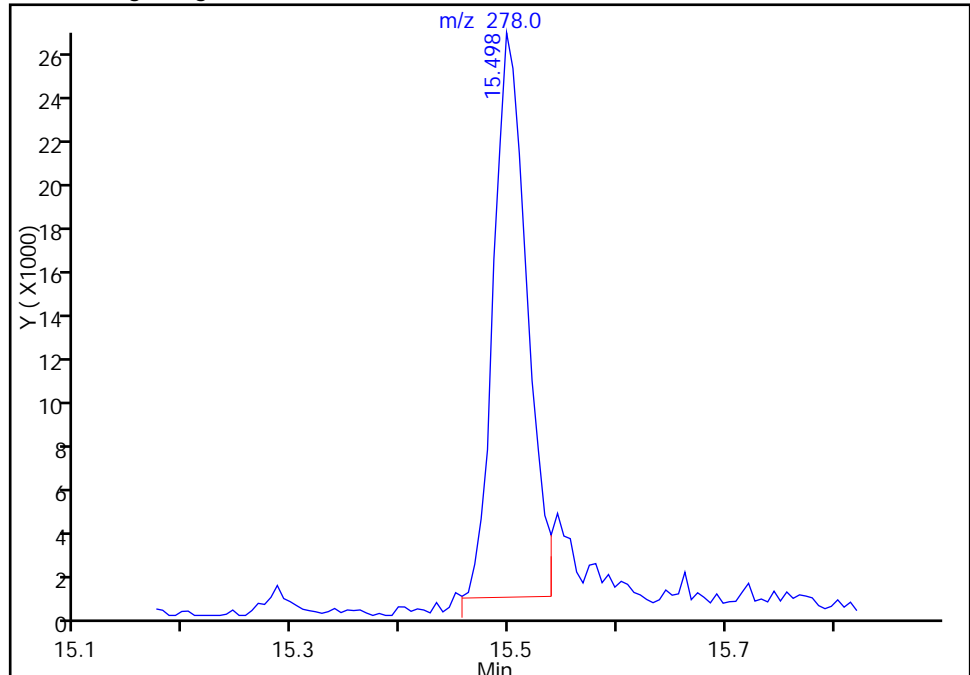
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

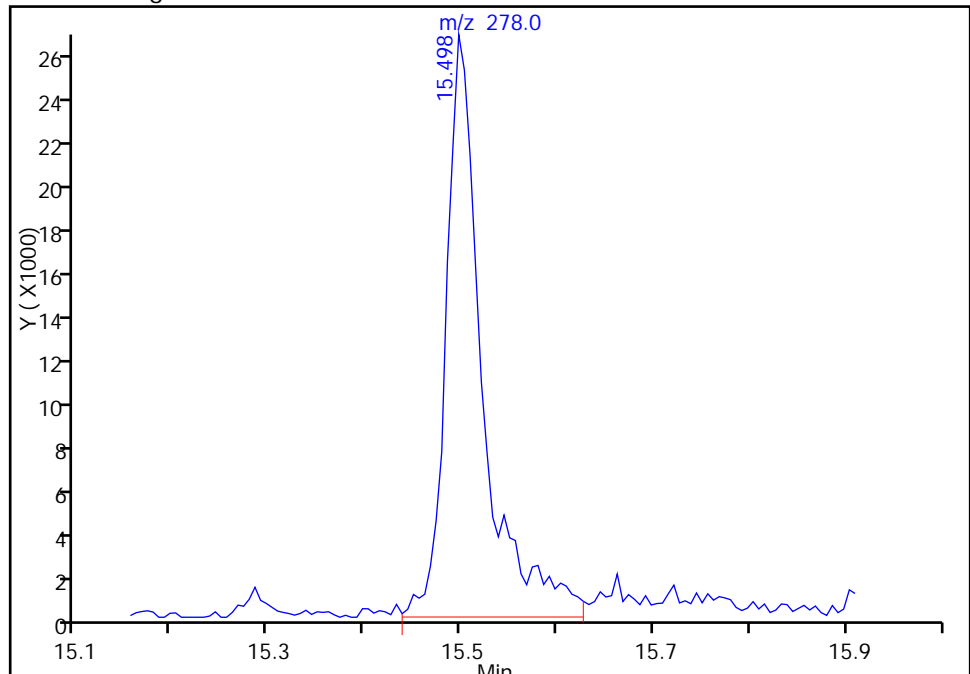
RT: 15.50
Area: 54257
Amount: 1.874289
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 69478
Amount: 2.203849
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:49:28

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12338.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 31-Mar-2016 07:11:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-009
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 10:10:12 Calib Date: 31-Mar-2016 09:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12343.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczech

Date: 31-Mar-2016 10:00:36

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	3.257	3.263	-0.006	92	67547	1.00	0.8297	
\$ 6 Phenol-d5	99	4.152	4.175	-0.023	89	78991	1.00	0.8637	
9 Bis(2-chloroethyl)ether	93	4.263	4.281	-0.018	99	72876	1.00	1.01	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2208881	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.934	4.957	-0.023	87	51616	1.00	1.05	
25 Hexachloroethane	117	5.051	5.057	-0.006	93	31871	1.00	0.9578	
\$ 26 Nitrobenzene-d5	82	5.087	5.104	-0.017	89	72941	1.00	0.8883	
28 Nitrobenzene	77	5.110	5.128	-0.018	92	110785	1.00	0.9757	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	93	103787	1.00	0.9686	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	94	58307	1.00	0.9396	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7783309	40.0	40.0	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	92	38413	1.00	1.02	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	98	111630	1.00	0.8374	
60 2,6-Dinitrotoluene	165	7.351	7.363	-0.012	87	21177	1.00	0.9123	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3549139	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.745	7.757	-0.012	87	24308	1.00	0.9004	
\$ 80 2,4,6-Tribromophenol	330	8.345	8.357	-0.012	89	9810	1.00	0.7866	
83 Hexachlorobenzene	284	8.663	8.663	0.000	96	22280	1.00	0.9009	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4329045	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.628	10.633	-0.005	99	56528	1.00	0.9451	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	97	68227	1.00	1.07	
* 102 Chrysene-d12	240	11.869	11.869	0.000	99	2026879	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	97	44486	1.00	1.02	
107 Benzo[k]fluoranthene	252	13.339	13.345	-0.006	98	49413	1.00	1.07	M
108 Benzo[a]pyrene	252	13.763	13.768	-0.005	96	39774	1.00	0.99	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1396050	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.457	15.468	-0.011	98	32434	1.00	0.9609	
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	93	33712	1.00	0.9829	M

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\\CBNAMS5\\20160331-39236.b\\x12338.D

Injection Date: 31-Mar-2016 07:11:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

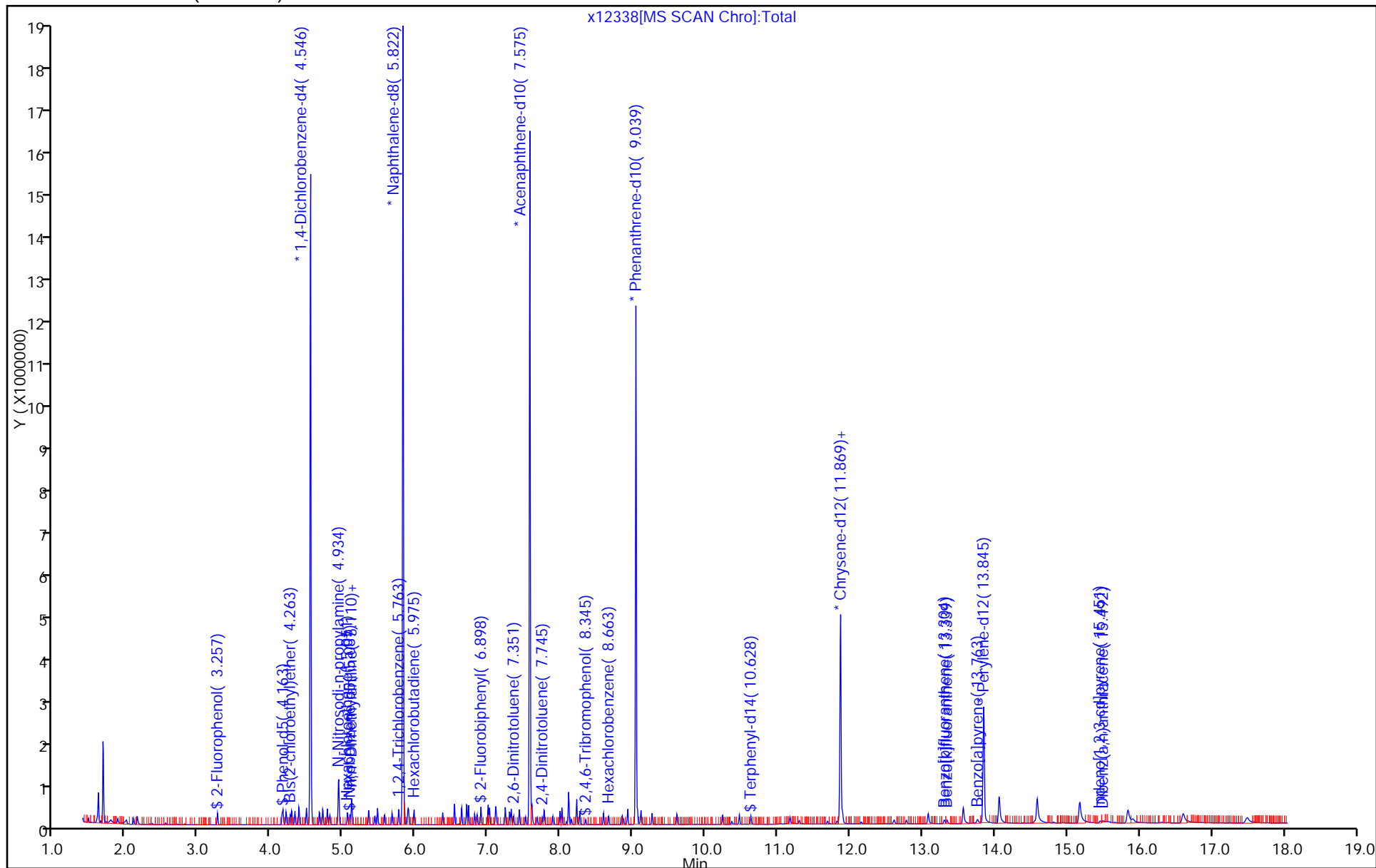
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

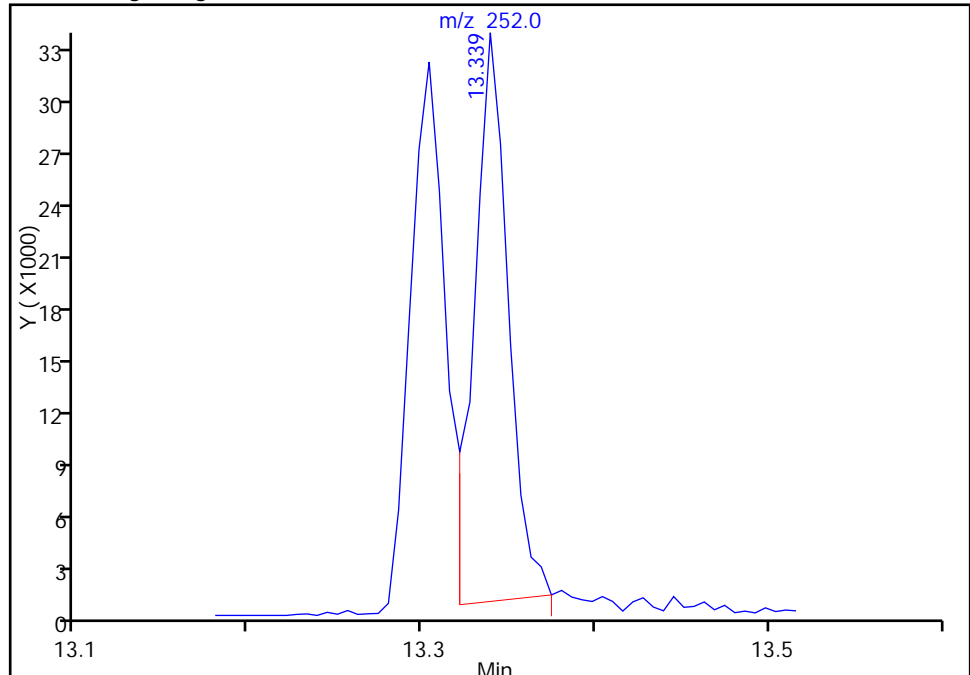
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12338.D
Injection Date: 31-Mar-2016 07:11:30 Instrument ID: CBNAMS5
Lims ID: std1
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

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

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

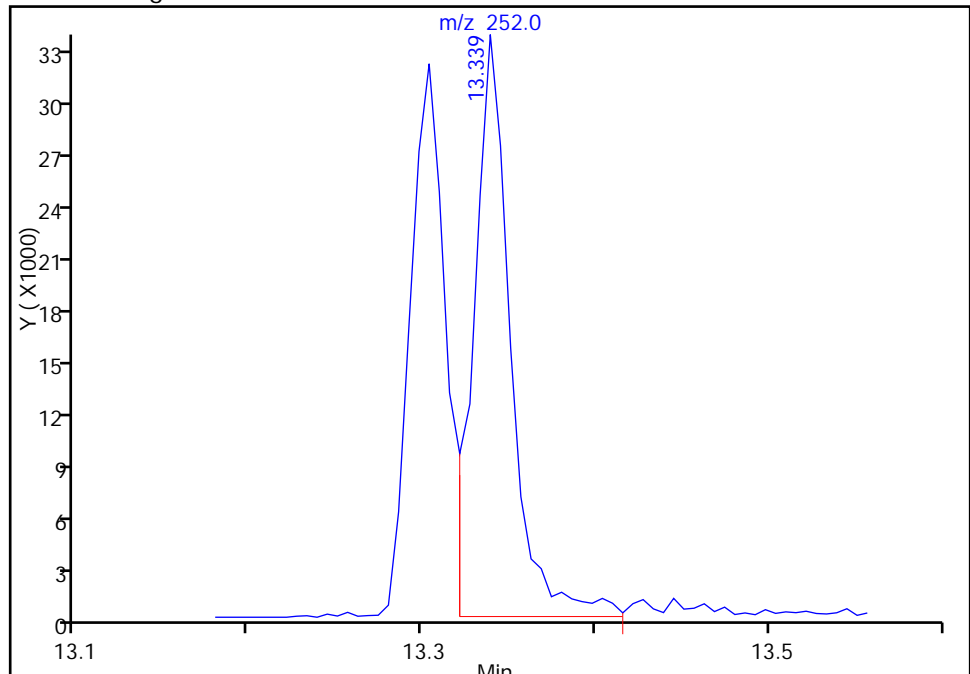
RT: 13.34
Area: 44312
Amount: 0.973542
Amount Units: ug/ml

Processing Integration Results



RT: 13.34
Area: 49413
Amount: 1.072260
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:51:23
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison

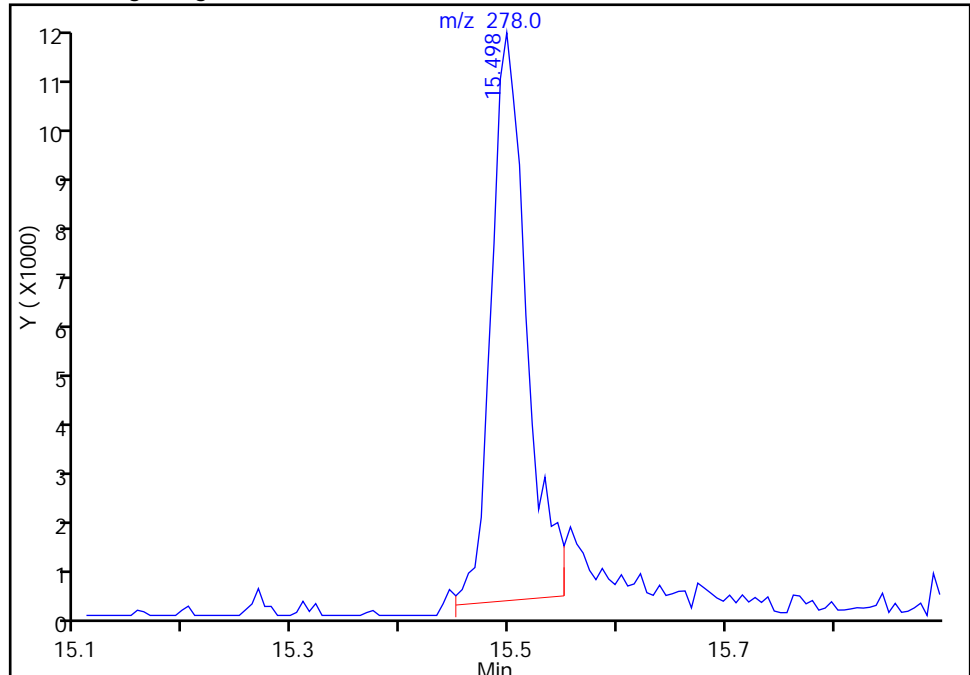
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12338.D
Injection Date: 31-Mar-2016 07:11:30 Instrument ID: CBNAMS5
Lims ID: std1
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

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

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

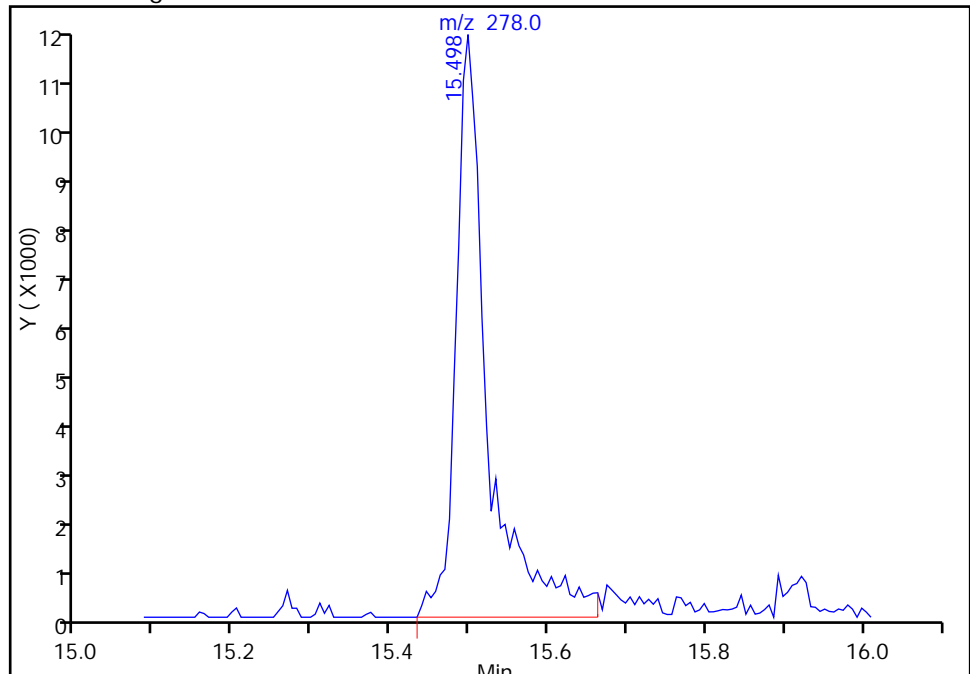
RT: 15.50
Area: 26315
Amount: 0.811860
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 33712
Amount: 0.982926
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:51:23
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12339.D
 Lims ID: std05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 31-Mar-2016 07:35:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-010
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 10:00:55 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 10:00:55

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	4.263	4.281	-0.018	98	35798	0.5000	0.4983	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2209391	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.934	4.957	-0.023	74	26737	0.5000	0.5434	
25 Hexachloroethane	117	5.057	5.057	0.000	93	16781	0.5000	0.5042	
\$ 26 Nitrobenzene-d5	82	5.087	5.104	-0.017	89	35777	0.5000	0.4437	
28 Nitrobenzene	77	5.110	5.128	-0.018	93	57675	0.5000	0.5172	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	94	51031	0.5000	0.4761	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	93	29573	0.5000	0.4852	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	100	7643959	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	96	52131	0.5000	0.4241	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3272534	40.0	40.0	
83 Hexachlorobenzene	284	8.663	8.663	0.000	96	10938	0.5000	0.4758	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4024493	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.627	10.633	-0.006	98	23931	0.5000	0.4497	
101 Benzo[a]anthracene	228	11.851	11.857	-0.006	97	32324	0.5000	0.5712	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1803527	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	97	23165	0.5000	0.5767	
107 Benzo[k]fluoranthene	252	13.339	13.345	-0.006	97	24228	0.5000	0.5704	
108 Benzo[a]pyrene	252	13.757	13.768	-0.011	96	20438	0.5000	0.5546	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1286787	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.451	15.468	-0.017	94	20084	0.5000	0.6455	M
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	84	19004	0.5000	0.6011	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\\20160331-39236.b\\x12339.D

Injection Date: 31-Mar-2016 07:35:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

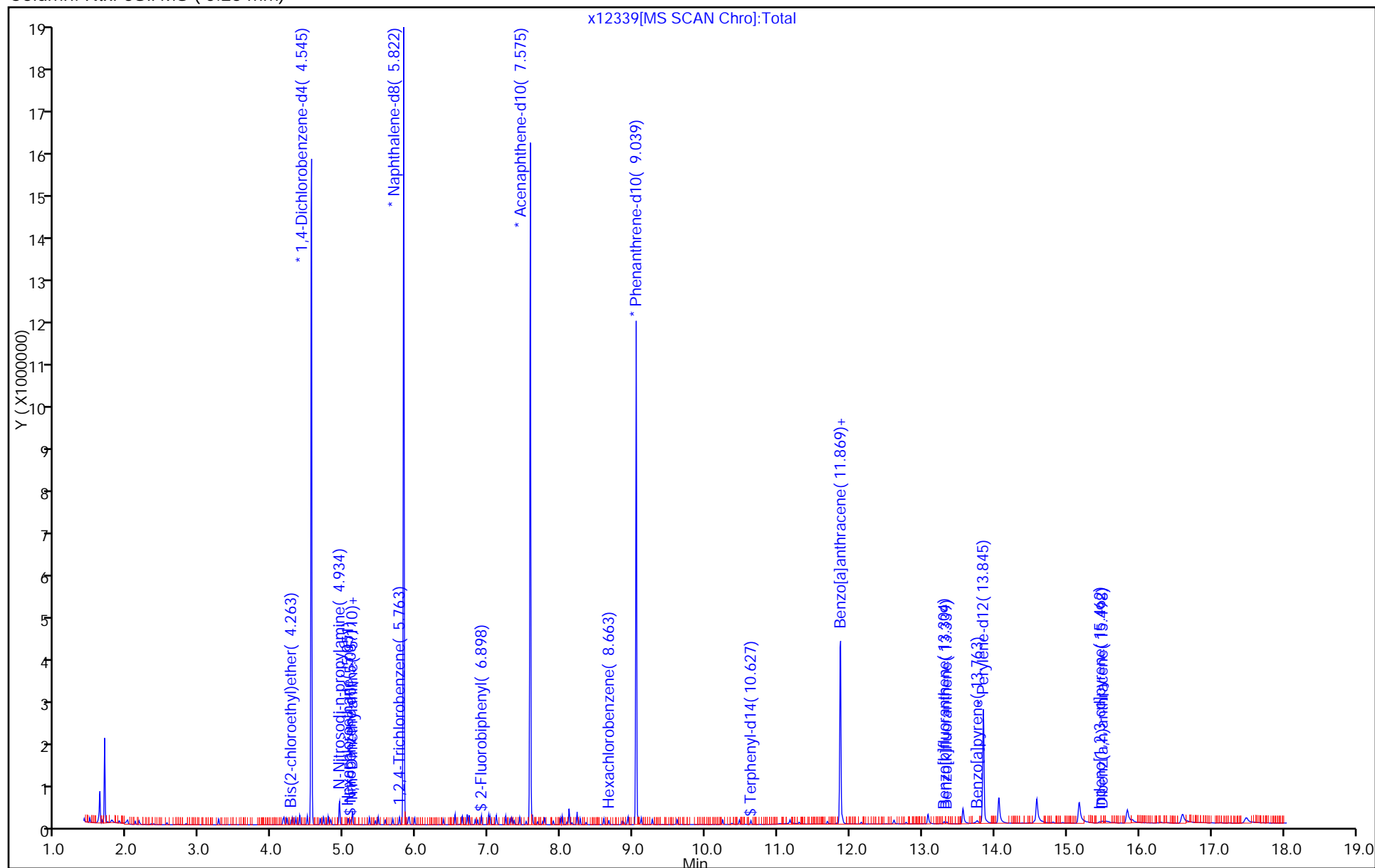
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

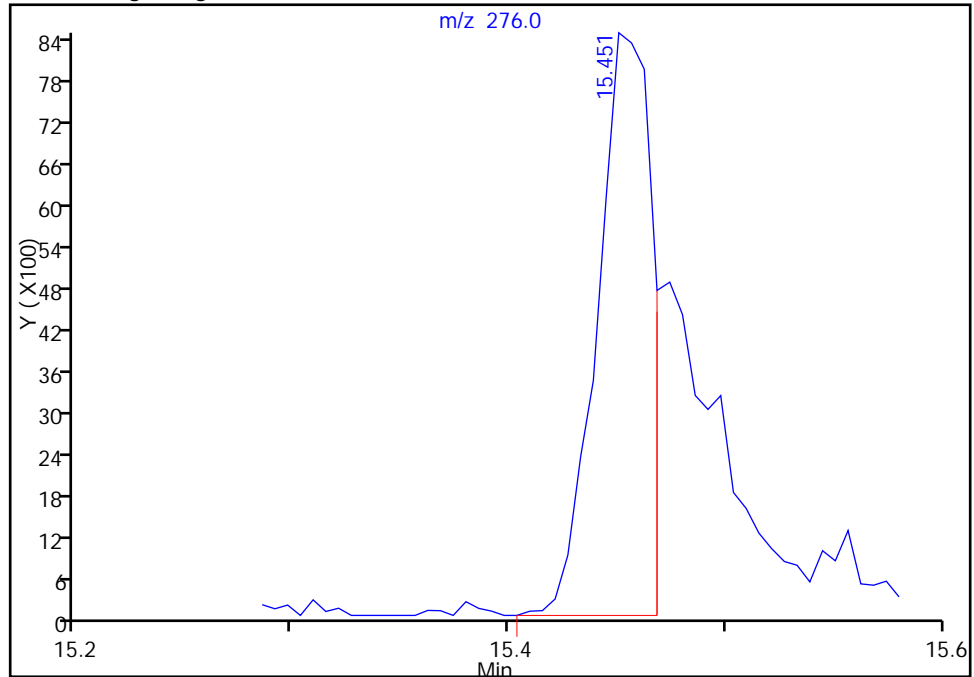
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12339.D
Injection Date: 31-Mar-2016 07:35:30 Instrument ID: CBNAMS5
Lims ID: std05
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 10 Worklist Smp#: 10
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

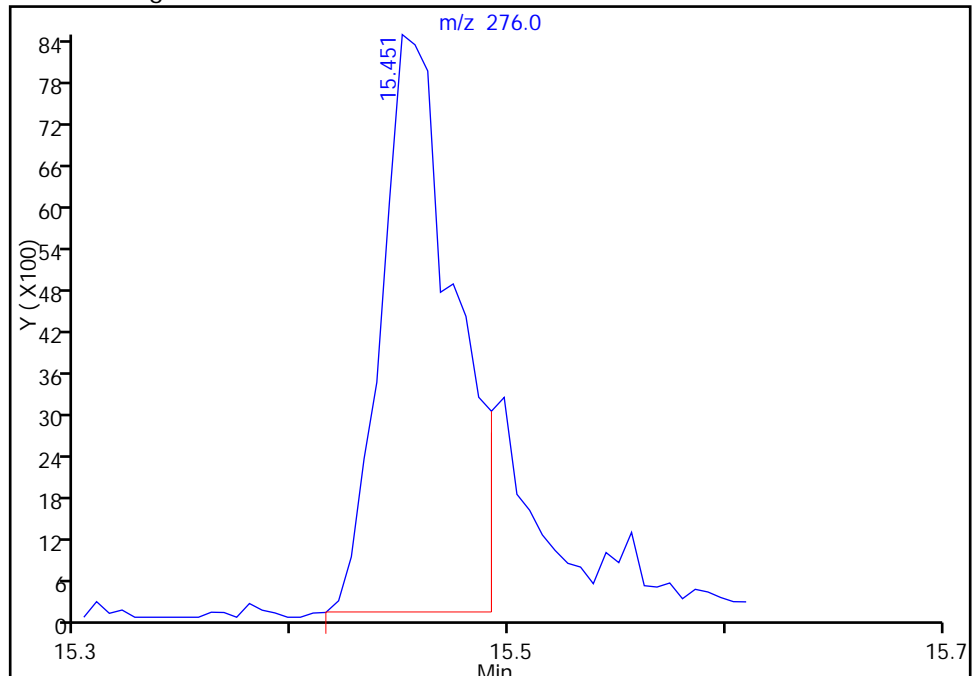
RT: 15.45
Area: 15032
Amount: 0.497965
Amount Units: ug/ml

Processing Integration Results



RT: 15.45
Area: 20084
Amount: 0.645543
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:53:27
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12339.D

Injection Date: 31-Mar-2016 07:35:30

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)

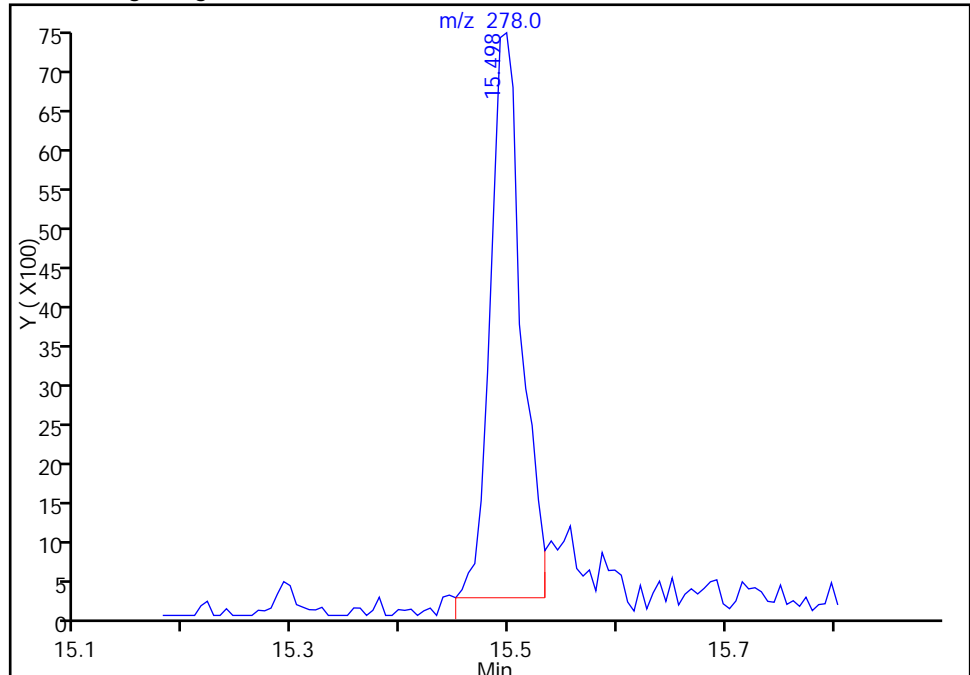
Detector

MS SCAN

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

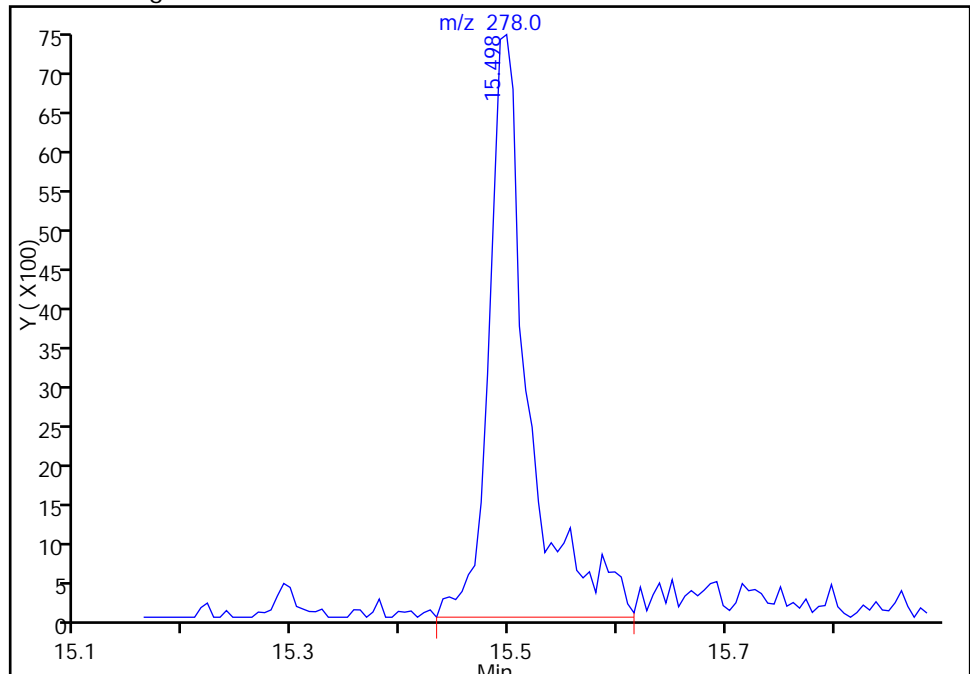
RT: 15.50
Area: 14597
Amount: 0.476498
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 19004
Amount: 0.601140
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:53:27

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.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 08:00 Calibration End Date: 03/31/2016 10:26 Calibration ID: 55122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-359755/17	x12346.D
Level 2	STD5 460-359755/16	x12345.D
Level 3	STD10 460-359755/15	x12344.D
Level 4	STD20 460-359755/14	x12343.D
Level 5	STD50 460-359755/11	x12340.D
Level 6	STD80 460-359755/13	x12342.D
Level 7	STD120 460-359755/12	x12341.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	1.2738	1.2049 1.3525	1.1795	1.2830	1.4185	Ave		1.2853			0.0100	7.0		20.0			
Caprolactam	0.0778	0.0650 0.0791	0.0677	0.0780	0.0846	Ave		0.0753			0.0100	9.9		20.0			
Atrazine	0.1964 0.2073	0.2046 0.2095	0.2075	0.2330	0.2320	Ave		0.2129			0.0100	6.6		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111006-1 Analy Batch No.: 359755

SDG No.: _____

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

Calibration Start Date: 03/31/2016 08:00 Calibration End Date: 03/31/2016 10:26 Calibration ID: 55122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-359755/17	x12346.D
Level 2	STD5 460-359755/16	x12345.D
Level 3	STD10 460-359755/15	x12344.D
Level 4	STD20 460-359755/14	x12343.D
Level 5	STD50 460-359755/11	x12340.D
Level 6	STD80 460-359755/13	x12342.D
Level 7	STD120 460-359755/12	x12341.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	6021904	332543 9040289	650695	1440948	3550293	80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	1225727	62153 1821084	128675	299153	773530	80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	42846 1739577	100434 2511887	206629	463677	1158161	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\20160331-39236.b\12340.D
 Lims ID: std50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 31-Mar-2016 08:00:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-011
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:00:54 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: szczech

Date: 31-Mar-2016 10:01:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.110	4.110	0.000	97	3550293	50.0	55.2	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2002309	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7314852	40.0	40.0	
42 Caprolactam	113	6.228	6.228	0.000	92	773530	50.0	56.1	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3226676	40.0	40.0	
84 Atrazine	200	8.757	8.757	0.000	93	1158161	50.0	54.5	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3994376	40.0	40.0	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1801649	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1183959	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12340.D

Injection Date: 31-Mar-2016 08:00:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

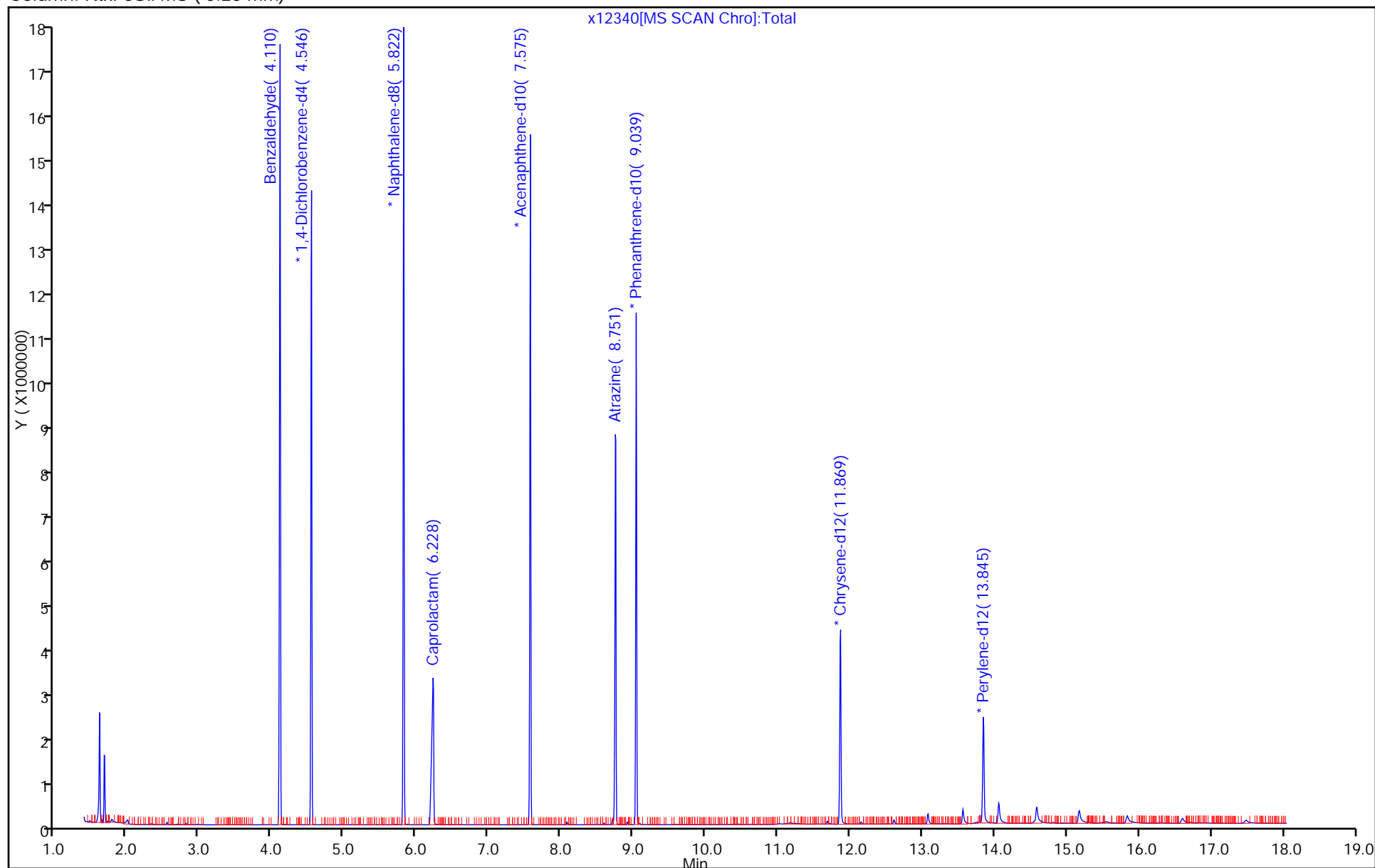
Dil. Factor: 1.0000

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\20160331-39236.b\12341.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 31-Mar-2016 08:24:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-012
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:01 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: szczecha

Date: 31-Mar-2016 10:02:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.116	4.110	0.006	97	9040289	120.0	126.3	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2228119	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7676917	40.0	40.0	
42 Caprolactam	113	6.257	6.228	0.029	93	1821084	120.0	125.9	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	97	3063506	40.0	40.0	
84 Atrazine	200	8.763	8.757	0.006	93	2511887	120.0	118.1	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3996932	40.0	40.0	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1773256	40.0	40.0	
* 109 Perylene-d12	264	13.851	13.845	0.006	98	1252120	40.0	40.0	

Reagents:

SV_IC-S_L8_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12341.D

Injection Date: 31-Mar-2016 08:24:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

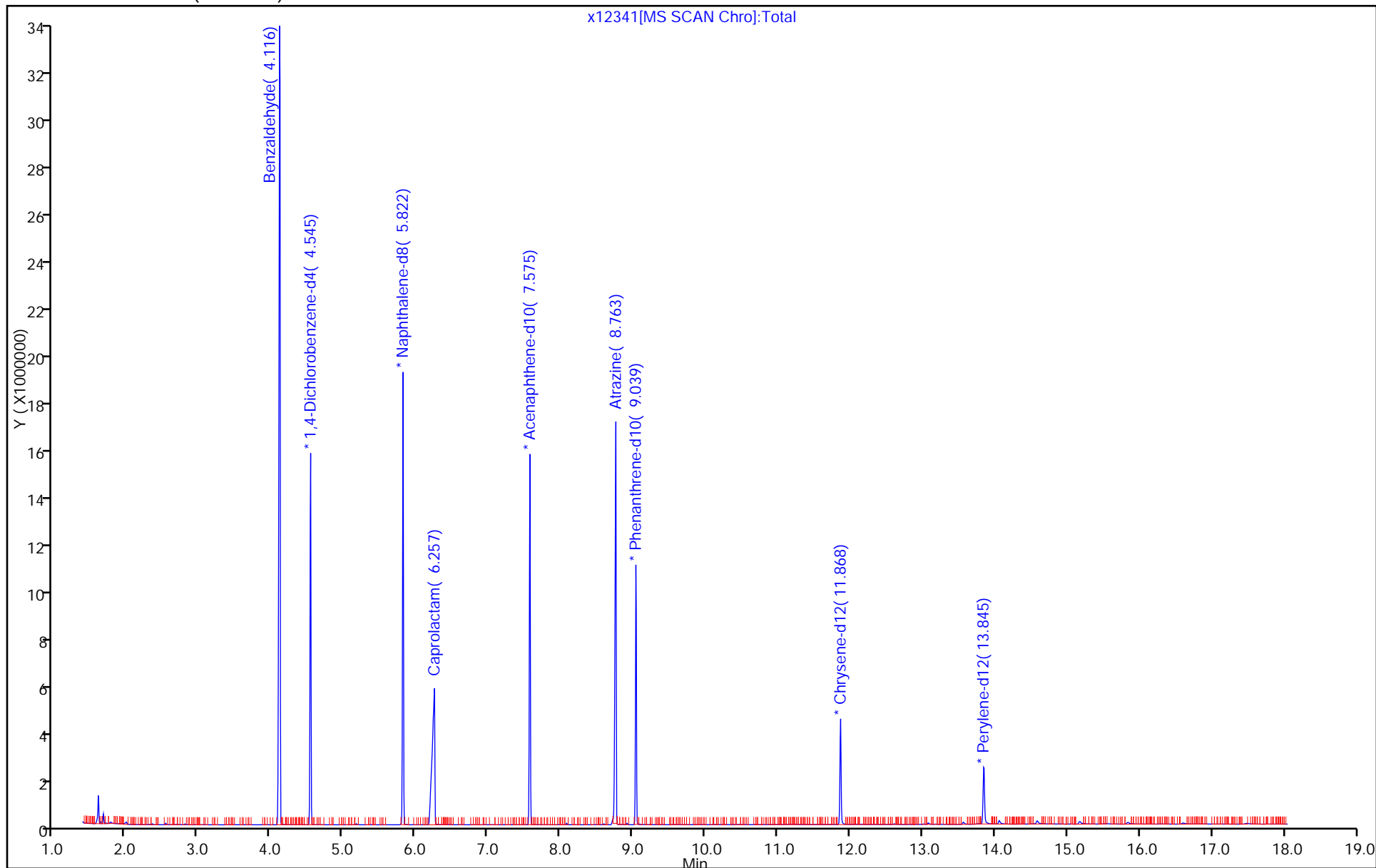
Dil. Factor: 1.0000

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\20160331-39236.b\12342.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 31-Mar-2016 08:48:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-013
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:09 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: szczech

Date: 31-Mar-2016 10:02:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.116	4.110	0.006	97	6021904	80.0	79.3	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2363746	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7878287	40.0	40.0	
42 Caprolactam	113	6.240	6.228	0.012	93	1225727	80.0	82.6	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	96	3196930	40.0	40.0	
84 Atrazine	200	8.757	8.757	0.000	93	1739577	80.0	77.9	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4196307	40.0	40.0	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1864408	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1322536	40.0	40.0	

Reagents:

SV_IC-S_L7_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12342.D

Injection Date: 31-Mar-2016 08:48:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std80

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

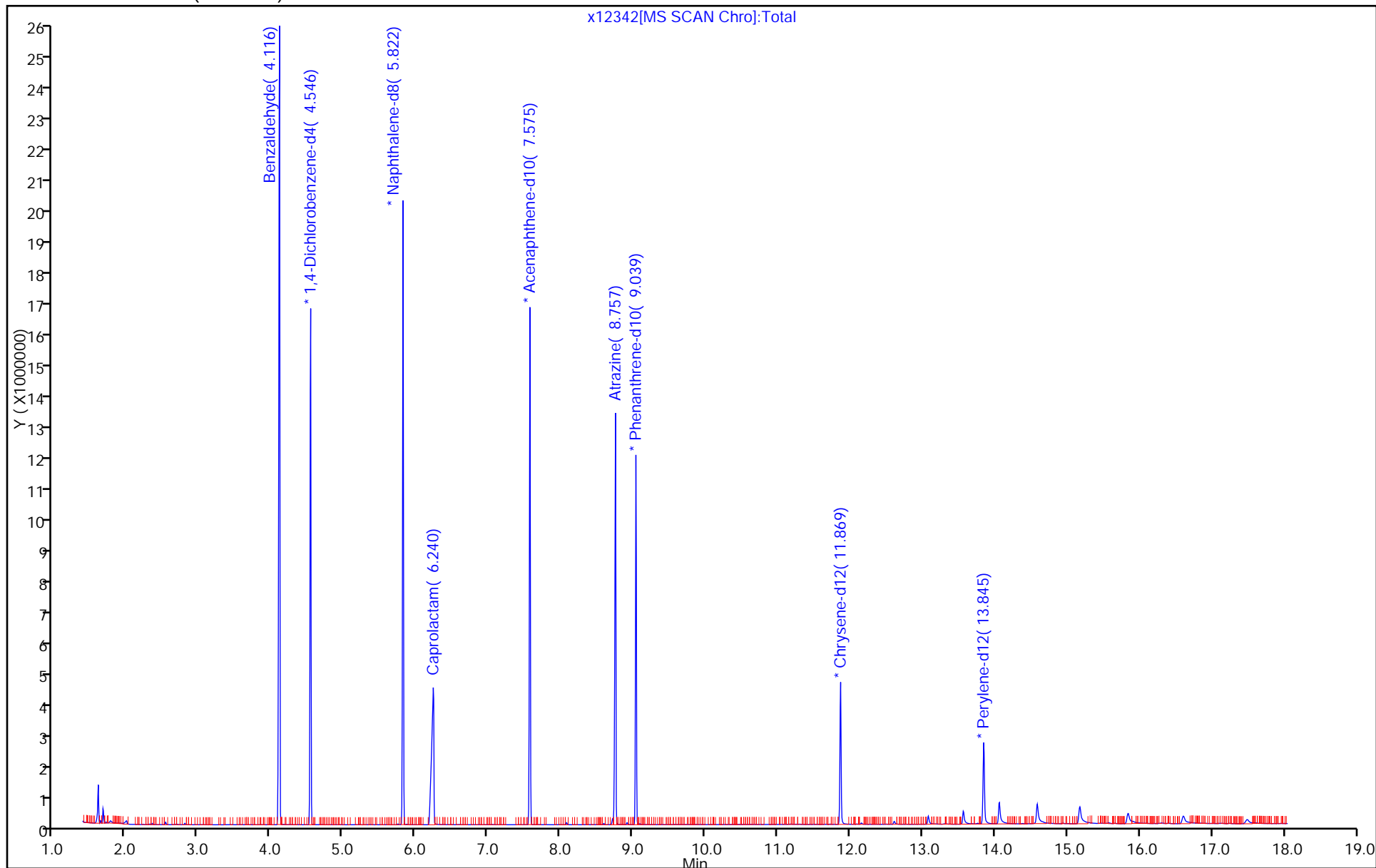
Dil. Factor: 1.0000

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\20160331-39236.b\12343.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 31-Mar-2016 09:13:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-014
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:20 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: szczech

Date: 31-Mar-2016 10:03:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.104	4.110	-0.006	96	1440948	20.0	20.0	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2246212	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7671877	40.0	40.0	
42 Caprolactam	113	6.210	6.228	-0.018	94	299153	20.0	20.7	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	96	3021194	40.0	40.0	
84 Atrazine	200	8.751	8.757	-0.006	93	463677	20.0	21.9	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3980030	40.0	40.0	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1768409	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1198790	40.0	40.0	

Reagents:

SV_IC-S_L5_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12343.D

Injection Date: 31-Mar-2016 09:13:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std20

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

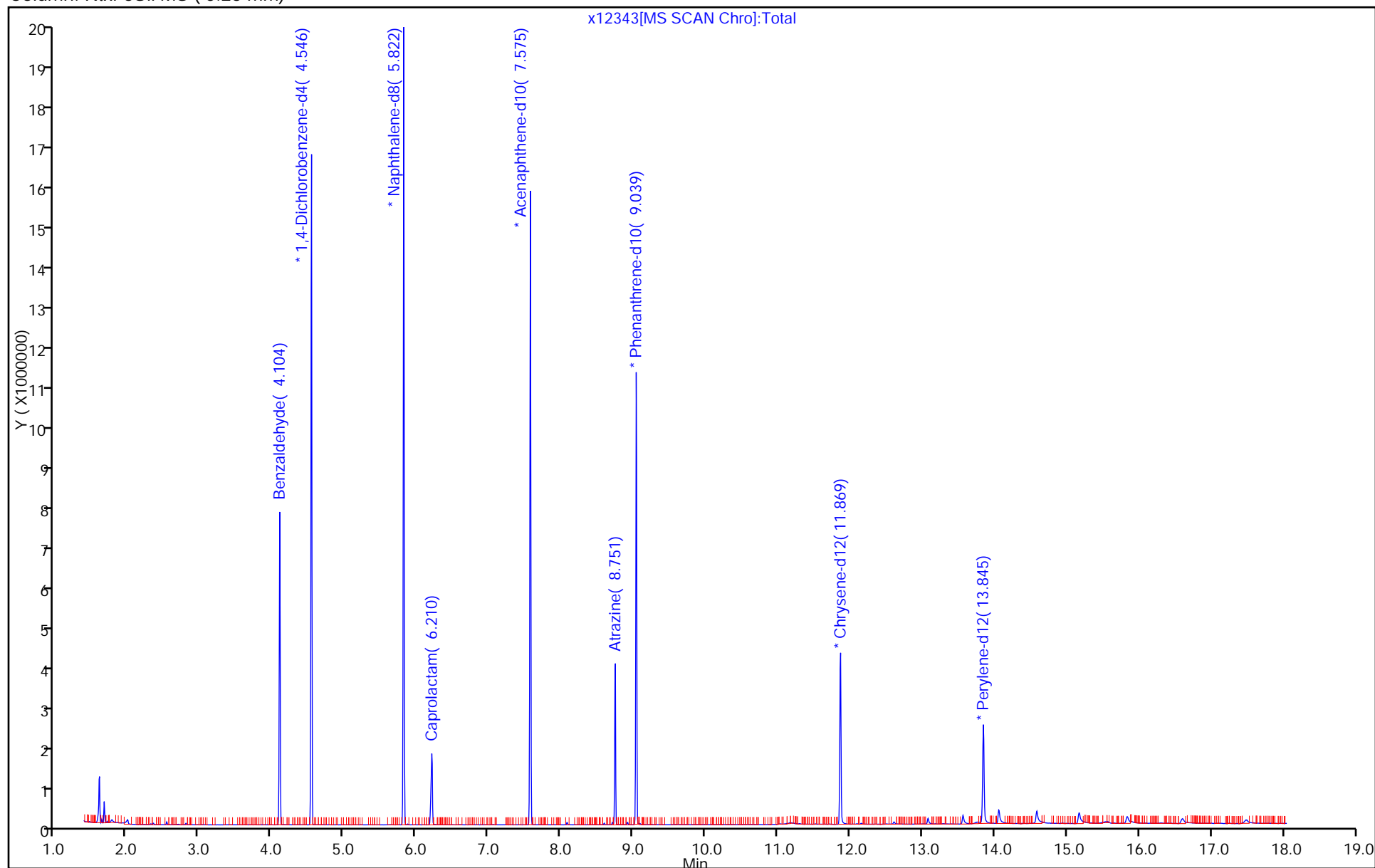
Dil. Factor: 1.0000

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\20160331-39236.b\12344.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 31-Mar-2016 09:37:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-015
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:31 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 11:22:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.104	4.110	-0.006	93	650695	10.0	9.18	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2206738	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	100	7605138	40.0	40.0	e
42 Caprolactam	113	6.204	6.228	-0.024	92	128675	10.0	8.98	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	97	3011889	40.0	40.0	
84 Atrazine	200	8.745	8.757	-0.012	89	206629	10.0	9.75	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3983944	40.0	40.0	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1703984	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1201482	40.0	40.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

SV_IC-S_L4_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12344.D

Injection Date: 31-Mar-2016 09:37:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std10

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

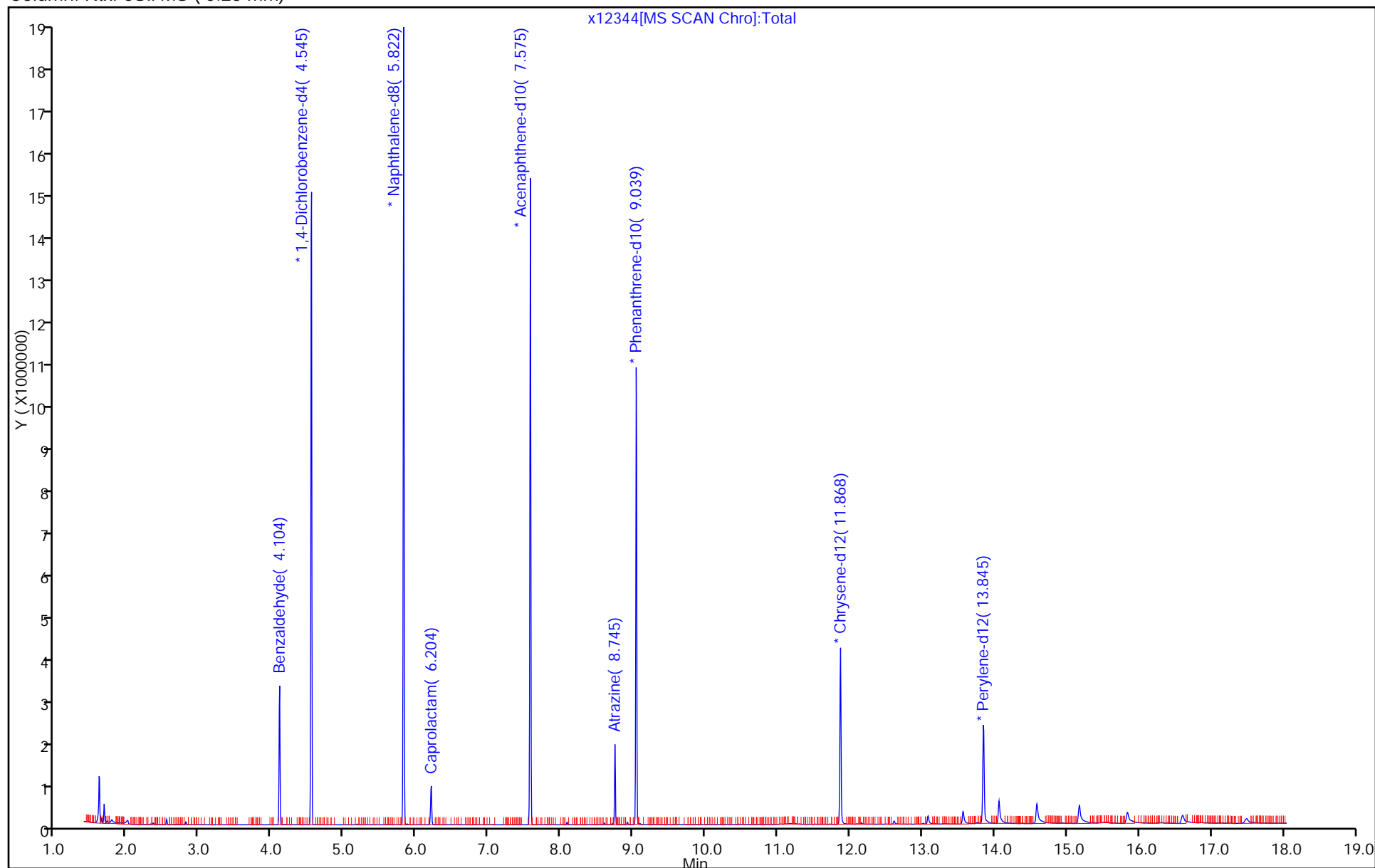
Dil. Factor: 1.0000

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\20160331-39236.b\12345.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 31-Mar-2016 10:02:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-016
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:39 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 11:22:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.104	4.110	-0.006	96	332543	5.00	4.69	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2207972	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	100	7655360	40.0	40.0	e
42 Caprolactam	113	6.198	6.228	-0.030	93	62153	5.00	4.31	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3319476	40.0	40.0	
84 Atrazine	200	8.745	8.757	-0.012	92	100434	5.00	4.81	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3926624	40.0	40.0	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1631767	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1151252	40.0	40.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

SV_IC-S_L3_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12345.D

Injection Date: 31-Mar-2016 10:02:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

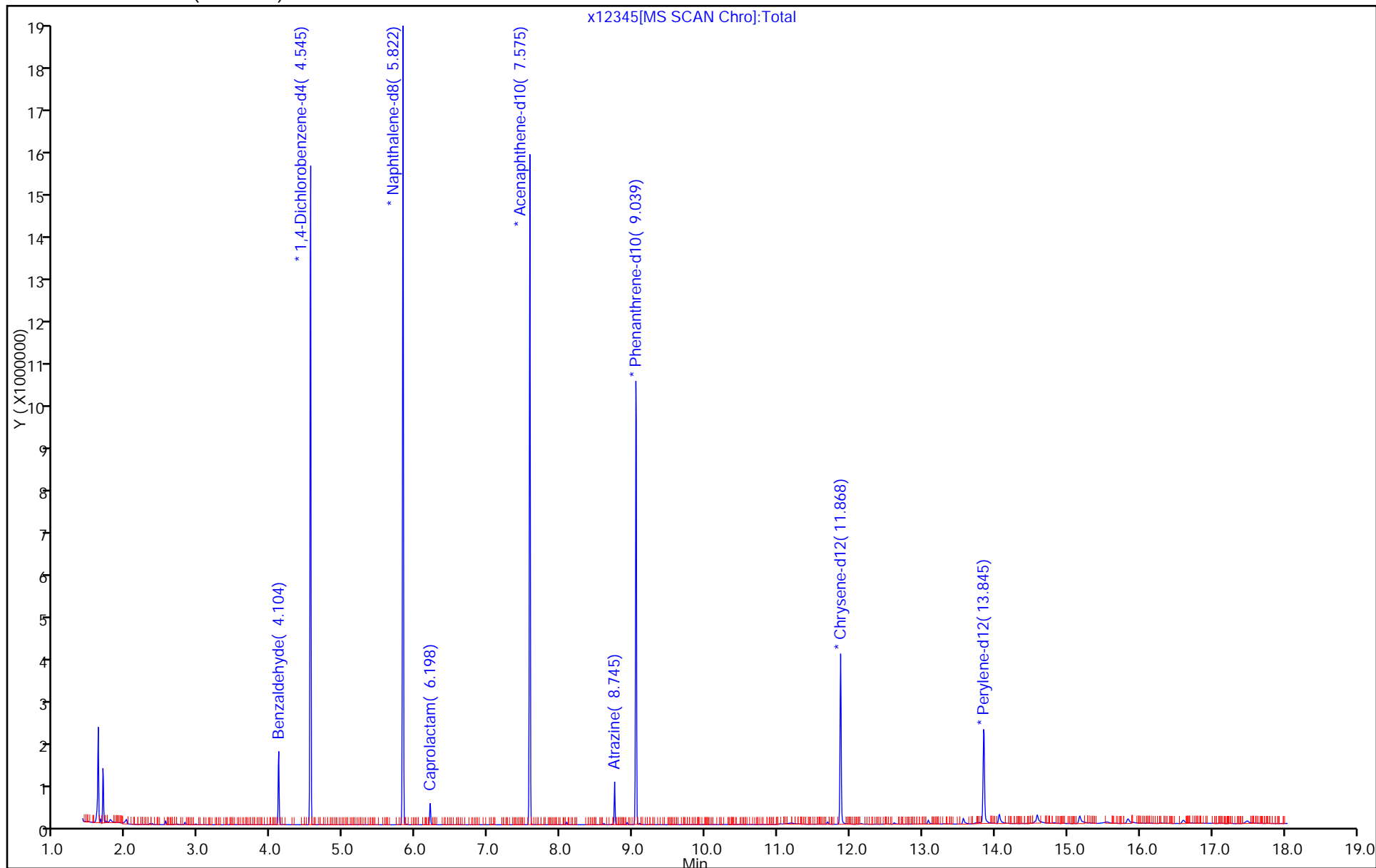
Dil. Factor: 1.0000

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\20160331-39236.b\12346.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 31-Mar-2016 10:26:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-017
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:46 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 11:22:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2433713	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	100	8087994	40.0	40.0	e
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	96	3291042	40.0	40.0	
84 Atrazine	200	8.745	8.757	-0.012	93	42846	2.00	1.85	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4362605	40.0	40.0	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1770653	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1263122	40.0	40.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

SV_IC-S_L2_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\x12346.D

Injection Date: 31-Mar-2016 10:26:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

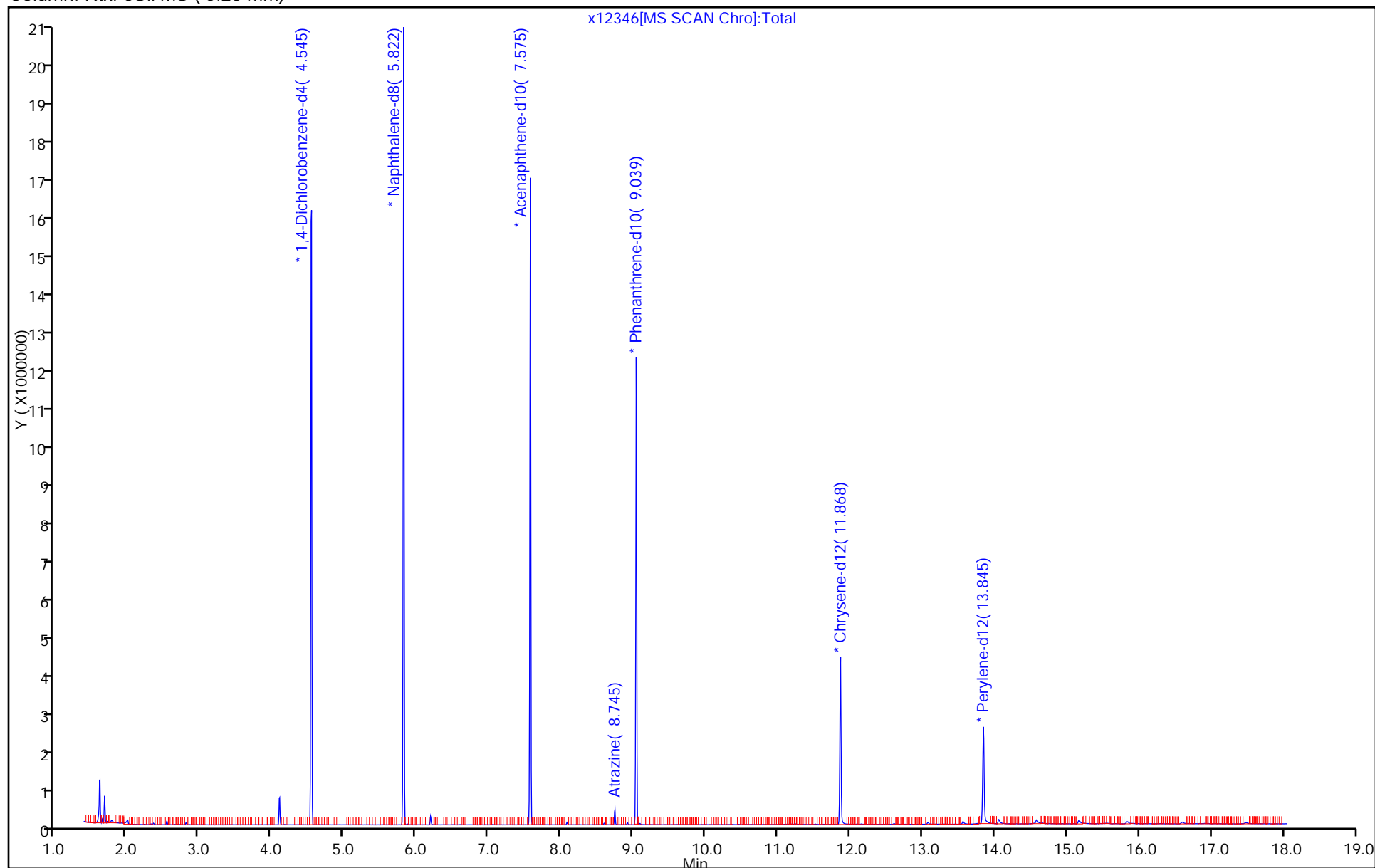
Dil. Factor: 1.0000

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.: 460-111006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-361786/2 Calibration Date: 04/11/2016 07:49
 Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05
 Lab File ID: z4178451.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6784	0.5701	0.0100	42000	50000	-16.0	20.0
N-Nitrosodimethylamine	Ave	0.9042	0.7675		42400	50000	-15.1	20.0
Pyridine	Ave	1.636	1.371		41900	50000	-16.3	20.0
Phenol	Ave	1.700	1.581	0.8000	46500	50000	-7.0	20.0
Aniline	Ave	2.043	1.272		31100	50000	-37.8*	20.0
Bis(2-chloroethyl)ether	Ave	1.349	1.272	0.7000	47100	50000	-5.7	20.0
2-Chlorophenol	Ave	1.319	1.327	0.8000	50300	50000	0.6	20.0
n-Decane	Ave	1.308	2.245	0.0100	85800	50000	71.7*	20.0
1,3-Dichlorobenzene	Ave	1.552	1.523		49100	50000	-1.9	20.0
1,4-Dichlorobenzene	Ave	1.590	1.550		48700	50000	-2.5	20.0
Benzyl alcohol	Ave	0.7977	0.7361	0.0100	46100	50000	-7.7	20.0
1,2-Dichlorobenzene	Ave	1.468	1.423		48500	50000	-3.1	20.0
2-Methylphenol	Ave	1.173	1.082	0.7000	46100	50000	-7.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.236	2.427	0.0100	98200	50000	96.4*	20.0
Acetophenone	Ave	1.780	1.560	0.0100	43800	50000	-12.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.9811	0.7918	0.5000	40400	50000	-19.3	20.0
3 & 4 Methylphenol	Ave	1.323	1.167		44100	50000	-11.8	20.0
4-Methylphenol	Ave	1.323	1.167	0.6000	44100	50000	-11.8	20.0
Hexachloroethane	Ave	0.6323	0.6005	0.3000	47500	50000	-5.0	20.0
n,n'-Dimethylaniline	Ave	2.014	1.913	0.0100	47500	50000	-5.0	20.0
Nitrobenzene	Ave	0.6381	0.5127	0.2000	40200	50000	-19.7	20.0
Isophorone	Ave	0.6808	0.5291	0.4000	38900	50000	-22.3*	20.0
2-Nitrophenol	Ave	0.1962	0.1734	0.1000	44200	50000	-11.7	20.0
2,4-Dimethylphenol	Ave	0.3074	0.2882	0.2000	46900	50000	-6.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4273	0.3598	0.3000	42100	50000	-15.8	20.0
Benzoic acid	Ave	0.1781	0.1278		35900	50000	-28.3*	20.0
2,4-Dichlorophenol	Ave	0.3015	0.2772	0.2000	46000	50000	-8.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3606	0.3489		48400	50000	-3.2	20.0
Naphthalene	Ave	1.046	0.998	0.7000	47700	50000	-4.6	20.0
4-Chloroaniline	Ave	0.4118	0.3792	0.0100	46000	50000	-7.9	20.0
Hexachlorobutadiene	Ave	0.2390	0.2176	0.0100	45500	50000	-9.0	20.0
4-Chloro-3-methylphenol	Ave	0.3019	0.2374		39300	50000	-21.3*	20.0
2-Methylnaphthalene	Ave	0.5687	0.6390	0.4000	56200	50000	12.4	20.0
1-Methylnaphthalene	Ave	0.6562	0.5449	0.0100	41500	50000	-17.0	20.0
Hexachlorocyclopentadiene	Ave	0.4732	0.4723	0.0500	49900	50000	-0.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7124	0.7074	0.0100	49600	50000	-0.7	20.0
2-tertbutyl-4-methylphenol	Ave	0.4797	0.4314	0.0100	45000	50000	-10.1	20.0
2,4,6-Trichlorophenol	Ave	0.4311	0.3959	0.2000	45900	50000	-8.2	20.0
2,4,5-Trichlorophenol	Ave	0.4362	0.4038	0.2000	46300	50000	-7.4	20.0
1,1'-Biphenyl	Ave	1.553	1.620	0.0100	52200	50000	4.3	20.0
2-Chloronaphthalene	Ave	1.222	1.242	0.8000	50800	50000	1.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361786/2 Calibration Date: 04/11/2016 07:49

Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05

Lab File ID: z4178451.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8389	0.8594	0.0100	51200	50000	2.4	20.0
2-Nitroaniline	Ave	0.4630	0.4358	0.0100	47100	50000	-5.9	20.0
1,3-Dimethylnaphthalene	Ave	0.9621	1.050	0.0100	54600	50000	9.1	20.0
Dimethyl phthalate	Ave	1.234	1.120	0.0100	45400	50000	-9.3	20.0
Coumarin	Ave	0.1867	0.1617	0.0100	43300	50000	-13.4	20.0
2,6-Dinitrotoluene	Ave	0.2853	0.2658	0.2000	46600	50000	-6.9	20.0
Acenaphthylene	Ave	1.726	1.643	0.9000	47600	50000	-4.8	20.0
3-Nitroaniline	Ave	0.2821	0.2501	0.0100	44300	50000	-11.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.405	1.326	0.0100	47200	50000	-5.7	20.0
Acenaphthene	Ave	1.227	1.125	0.9000	45800	50000	-8.3	20.0
2,4-Dinitrophenol	Lin2		0.1343	0.0100	67400	100000	-32.6*	20.0
4-Nitrophenol	Ave	0.2335	0.1832	0.0100	78400	100000	-21.6*	20.0
2,4-Dinitrotoluene	Ave	0.3620	0.3176	0.2000	43900	50000	-12.3	20.0
Dibenzofuran	Ave	1.593	1.542	0.8000	48400	50000	-3.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3527	0.2921	0.0100	41400	50000	-17.2	20.0
Diethyl phthalate	Ave	1.147	1.011	0.0100	44100	50000	-11.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.6499	0.6439	0.4000	49500	50000	-0.9	20.0
Fluorene	Ave	1.298	1.230	0.9000	47400	50000	-5.2	20.0
4-Nitroaniline	Ave	0.2633	0.2184	0.0100	41500	50000	-17.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1594	0.1311	0.0100	82300	100000	-17.7	20.0
N-Nitrosodiphenylamine	Ave	0.6189	0.6285	0.0100	102000	100000	1.6	20.0
1,2-Diphenylhydrazine	Ave	0.9457	0.8143	0.0100	43100	50000	-13.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2572	0.2674	0.1000	52000	50000	4.0	20.0
Hexachlorobenzene	Ave	0.2453	0.2924	0.1000	59600	50000	19.2	20.0
Pentachlorophenol	Ave	0.1595	0.1481	0.0500	92800	100000	-7.2	20.0
Pentachloronitrobenzene	Ave	0.1133	0.1107	0.0100	48900	50000	-2.3	20.0
n-Octadecane	Ave	0.5568	0.8625	0.0100	77500	50000	54.9*	20.0
Phenanthrene	Ave	1.168	1.120	0.7000	48000	50000	-4.1	20.0
Anthracene	Ave	1.178	1.130	0.7000	48000	50000	-4.1	20.0
Carbazole	Ave	0.9641	0.8237	0.0100	42700	50000	-14.6	20.0
Di-n-butyl phthalate	Ave	1.170	0.9778	0.0100	41800	50000	-16.4	20.0
Fluoranthene	Ave	1.101	0.9227	0.6000	41900	50000	-16.2	20.0
Benzidine	Ave	0.5901	0.3473		29400	50000	-41.1*	20.0
Pyrene	Ave	1.489	1.926	0.6000	64700	50000	29.3*	20.0
Bisphenol-A	Ave	0.6477	0.5639		43500	50000	-12.9	20.0
Butyl benzyl phthalate	Ave	0.5850	0.5826	0.0100	49800	50000	-0.4	20.0
2,3,7,8-TCDD	Ave	0.1372	0.2184	0.0100	796	500	59.2*	20.0
Carbamazepine	Ave	0.4995	0.3541	0.0100	35400	50000	-29.1*	20.0
3,3'-Dichlorobenzidine	Ave	0.4150	0.4130	0.0100	49800	50000	-0.5	20.0
Benzo[a]anthracene	Ave	1.282	1.187	0.8000	46300	50000	-7.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-361786/2 Calibration Date: 04/11/2016 07:49
 Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 12:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 16:05
 Lab File ID: z4178451.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	0.8325	0.7997	0.0100	48000	50000	-3.9	20.0
Chrysene	Ave	1.127	1.050	0.7000	46600	50000	-6.8	20.0
Di-n-octyl phthalate	Ave	1.709	1.585	0.0100	46400	50000	-7.2	20.0
Benzo[b]fluoranthene	Ave	1.295	1.281	0.7000	49500	50000	-1.1	20.0
Benzo[k]fluoranthene	Ave	1.305	1.287	0.7000	49300	50000	-1.4	20.0
Benzo[a]pyrene	Ave	1.199	1.152	0.7000	48100	50000	-3.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.015	0.9720	0.5000	47900	50000	-4.2	20.0
Dibenz(a,h)anthracene	Ave	0.996	1.020	0.4000	51200	50000	2.5	20.0
Benzo[g,h,i]perylene	Ave	0.9898	0.9767	0.5000	49300	50000	-1.3	20.0
2-Fluorophenol (Surr)	Ave	1.420	1.402	0.0100	49400	50000	-1.2	20.0
Phenol-d5 (Surr)	Ave	1.723	1.578	0.0100	45800	50000	-8.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4717	0.3920	0.0100	41600	50000	-16.9	20.0
2-Fluorobiphenyl	Ave	1.503	1.594	0.0100	53000	50000	6.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1717	0.1941	0.0100	56500	50000	13.1	20.0
Terphenyl-d14 (Surr)	Ave	1.116	1.481	0.0100	66300	50000	32.7*	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178451.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 11-Apr-2016 07:49:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039691-002
 Misc. Info.: ccvis
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 13:34:42 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manlangitf

Date: 11-Apr-2016 08:14:51

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	1.763	1.763	0.000	89	188767	50.0	42.0	
2 N-Nitrosodimethylamine	74	1.999	1.999	0.000	71	254116	50.0	42.4	
3 Pyridine	79	2.022	2.022	0.000	72	453780	50.0	41.9	
\$ 4 2-Fluorophenol	112	3.146	3.146	0.000	89	464348	50.0	49.4	
\$ 6 Phenol-d5	99	4.075	4.075	0.000	96	522370	50.0	45.8	
7 Phenol	94	4.093	4.093	0.000	97	523625	50.0	46.5	
8 Aniline	93	4.175	4.175	0.000	78	421034	50.0	31.1	
9 Bis(2-chloroethyl)ether	93	4.175	4.175	0.000	91	421034	50.0	47.1	
10 Benzonitrile	103	4.222	4.222	0.000	0	7173	NC	NC	
11 2-Chlorophenol	128	4.228	4.228	0.000	92	439251	50.0	50.3	
12 n-Decane	43	4.281	4.281	0.000	92	743346	50.0	85.8	
13 1,3-Dichlorobenzene	146	4.381	4.381	0.000	93	504322	50.0	49.1	
* 14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	97	264884	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.451	4.451	0.000	92	513168	50.0	48.7	
16 Benzyl alcohol	108	4.575	4.575	0.000	91	243735	50.0	46.1	
17 1,2-Dichlorobenzene	146	4.604	4.604	0.000	94	471122	50.0	48.5	
18 2-Methylphenol	108	4.693	4.693	0.000	87	358162	50.0	46.1	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.710	0.000	92	803654	50.0	98.2	
20 N-Methylaniline	106	4.834	4.834	0.000	0	610911	NC	NC	
22 Acetophenone	105	4.845	4.845	0.000	96	516671	50.0	43.8	
21 N-Nitrosodi-n-propylamine	70	4.851	4.851	0.000	95	262158	50.0	40.4	
23 3 & 4 Methylphenol	108	4.857	4.857	0.000	92	386480	50.0	44.1	
24 4-Methylphenol	108	4.857	4.857	0.000	90	386480	50.0	44.1	
25 Hexachloroethane	117	4.945	4.945	0.000	91	198833	50.0	47.5	
\$ 26 Nitrobenzene-d5	82	4.998	4.998	0.000	95	440140	50.0	41.6	
27 Nitrobenzene	77	5.022	5.022	0.000	78	575583	50.0	40.2	
28 n,n'-Dimethylaniline	120	5.022	5.022	0.000	88	633517	50.0	47.5	
31 Isophorone	82	5.263	5.263	0.000	97	594074	50.0	38.9	
32 2-Nitrophenol	139	5.334	5.334	0.000	83	194651	50.0	44.2	
33 2,4-Dimethylphenol	122	5.381	5.381	0.000	90	323602	50.0	46.9	

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	5.475	5.475	0.000	94	403921	50.0	42.1	
35 Benzoic acid	122	5.522	5.522	0.000	91	143432	50.0	35.9	
36 2,4-Dichlorophenol	162	5.581	5.581	0.000	93	311184	50.0	46.0	
37 1,2,4-Trichlorobenzene	180	5.663	5.663	0.000	94	391706	50.0	48.4	
* 38 Naphthalene-d8	136	5.716	5.716	0.000	100	898174	40.0	40.0	
39 Naphthalene	128	5.740	5.740	0.000	99	1120371	50.0	47.7	
40 4-Chloroaniline	127	5.798	5.798	0.000	96	425761	50.0	46.0	
41 Hexachlorobutadiene	225	5.869	5.869	0.000	95	244245	50.0	45.5	
43 4-Chloro-3-methylphenol	107	6.281	6.281	0.000	97	266580	50.0	39.3	
44 2-Methylnaphthalene	142	6.434	6.434	0.000	85	717387	50.0	56.2	
45 1-Methylnaphthalene	142	6.534	6.534	0.000	93	611765	50.0	41.5	
46 Hexachlorocyclopentadiene	237	6.598	6.598	0.000	97	241293	50.0	49.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.604	6.604	0.000	97	361402	50.0	49.6	
48 2-tertbutyl-4-methylphenol	149	6.634	6.634	0.000	91	484390	50.0	45.0	
49 2,4,6-Trichlorophenol	196	6.716	6.716	0.000	90	202265	50.0	45.9	
50 2,4,5-Trichlorophenol	196	6.751	6.751	0.000	96	206294	50.0	46.3	
\$ 51 2-Fluorobiphenyl	172	6.798	6.798	0.000	98	814557	50.0	53.0	
52 1,1'-Biphenyl	154	6.898	6.898	0.000	95	827919	50.0	52.2	
53 2-Chloronaphthalene	162	6.922	6.922	0.000	98	634395	50.0	50.8	
54 Phenyl ether	170	7.004	7.004	0.000	87	439086	50.0	51.2	
55 2-Nitroaniline	65	7.022	7.022	0.000	96	222654	50.0	47.1	
57 1,3-Dimethylnaphthalene	156	7.139	7.139	0.000	93	536491	50.0	54.6	
58 Dimethyl phthalate	163	7.210	7.210	0.000	99	572139	50.0	45.4	
59 Coumarin	146	7.228	7.228	0.000	77	181533	50.0	43.3	
60 2,6-Dinitrotoluene	165	7.263	7.263	0.000	93	135785	50.0	46.6	
63 Acenaphthylene	152	7.328	7.328	0.000	97	839294	50.0	47.6	
64 3-Nitroaniline	138	7.428	7.428	0.000	91	127780	50.0	44.3	
* 65 Acenaphthene-d10	164	7.469	7.469	0.000	92	408732	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.492	7.492	0.000	98	677257	50.0	47.2	
67 Acenaphthene	154	7.504	7.504	0.000	94	574801	50.0	45.8	
68 2,4-Dinitrophenol	184	7.534	7.534	0.000	93	137250	100.0	67.4	
69 4-Nitrophenol	65	7.598	7.598	0.000	94	187186	100.0	78.4	
70 2,4-Dinitrotoluene	165	7.663	7.663	0.000	95	162287	50.0	43.9	
71 Dibenzofuran	168	7.675	7.675	0.000	95	787708	50.0	48.4	
72 2,3,4,6-Tetrachlorophenol	232	7.792	7.792	0.000	95	149229	50.0	41.4	
73 Diethyl phthalate	149	7.904	7.904	0.000	98	516340	50.0	44.1	
75 4-Chlorophenyl phenyl ethe	204	8.010	8.010	0.000	89	328969	50.0	49.5	
74 Fluorene	166	8.010	8.010	0.000	95	628338	50.0	47.4	
76 4-Nitroaniline	138	8.039	8.039	0.000	93	111560	50.0	41.5	
77 4,6-Dinitro-2-methylphenol	198	8.069	8.069	0.000	88	175073	100.0	82.3	
78 N-Nitrosodiphenylamine	169	8.134	8.134	0.000	68	839396	100.0	101.6	
79 1,2-Diphenylhydrazine	77	8.169	8.169	0.000	98	543794	50.0	43.1	
\$ 80 2,4,6-Tribromophenol	330	8.251	8.251	0.000	96	99158	50.0	56.5	
81 4-Bromophenyl phenyl ether	248	8.492	8.492	0.000	93	178590	50.0	52.0	
82 Hexachlorobenzene	284	8.563	8.563	0.000	96	195251	50.0	59.6	
84 Pentachlorophenol	266	8.751	8.751	0.000	94	197735	100.0	92.8	
85 Pentachloronitrobenzene	237	8.769	8.769	0.000	89	73907	50.0	48.9	
86 n-Octadecane	57	8.828	8.828	0.000	90	575979	50.0	77.5	
* 87 Phenanthrene-d10	188	8.933	8.933	0.000	98	534220	40.0	40.0	
88 Phenanthrene	178	8.957	8.957	0.000	97	747836	50.0	48.0	
89 Anthracene	178	9.010	9.010	0.000	99	754711	50.0	48.0	
90 Carbazole	167	9.163	9.163	0.000	96	550058	50.0	42.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.504	9.504	0.000	100	652926	50.0	41.8	
92 Fluoranthene	202	10.127	10.127	0.000	98	616153	50.0	41.9	
93 Benzdine	184	10.251	10.251	0.000	99	231911	50.0	29.4	
94 Pyrene	202	10.351	10.351	0.000	98	597868	50.0	64.7	
95 Bisphenol-A	213	10.392	10.392	0.000	99	175040	50.0	43.5	
\$ 96 Terphenyl-d14	244	10.510	10.510	0.000	99	459624	50.0	66.3	
97 Butyl benzyl phthalate	149	11.033	11.033	0.000	99	180835	50.0	49.8	
98 2,3,7,8-TCDD	320	11.151	11.151	0.000	14	678	0.5000	0.7962	
99 Carbamazepine	193	11.163	11.163	0.000	91	109902	50.0	35.4	
100 3,3'-Dichlorobenzidine	252	11.669	11.669	0.000	99	128184	50.0	49.8	
101 Benzo[a]anthracene	228	11.698	11.698	0.000	98	368346	50.0	46.3	
* 102 Chrysene-d12	240	11.710	11.710	0.000	99	248321	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.733	11.733	0.000	91	248240	50.0	48.0	
103 Chrysene	228	11.745	11.745	0.000	99	325925	50.0	46.6	
105 Di-n-octyl phthalate	149	12.604	12.604	0.000	98	338253	50.0	46.4	
106 Benzo[b]fluoranthene	252	13.121	13.121	0.000	98	273288	50.0	49.5	
107 Benzo[k]fluoranthene	252	13.157	13.157	0.000	99	274675	50.0	49.3	
108 Benzo[a]pyrene	252	13.568	13.568	0.000	98	245811	50.0	48.1	
* 109 Perylene-d12	264	13.645	13.645	0.000	99	170687	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.186	15.186	0.000	99	207393	50.0	47.9	
111 Dibenz(a,h)anthracene	278	15.227	15.227	0.000	98	217679	50.0	51.2	
112 Benzo[g,h,i]perylene	276	15.621	15.621	0.000	98	208387	50.0	49.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

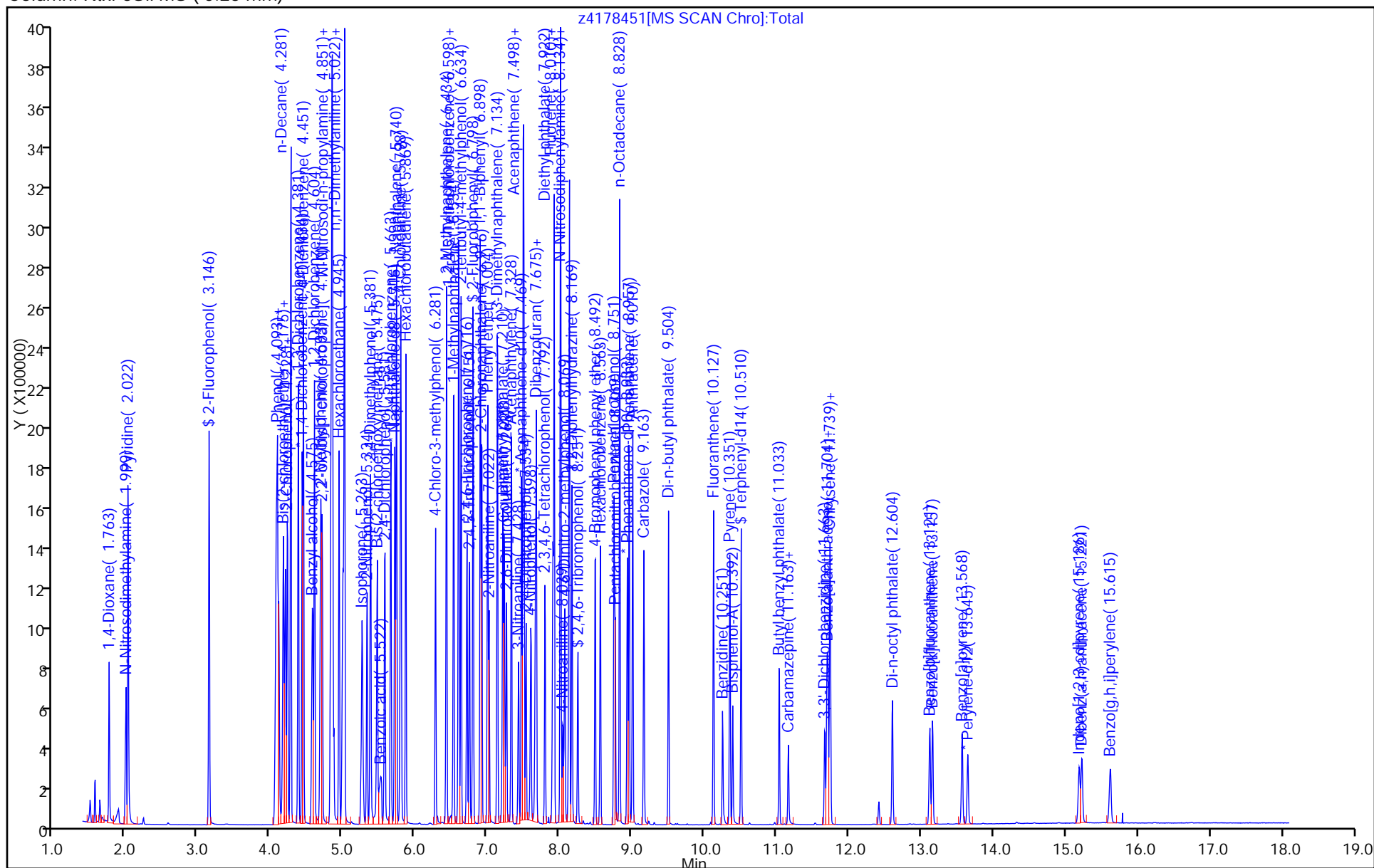
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160411-39691.b\\z4178451.D		
Injection Date:	11-Apr-2016 07:49:30	Instrument ID:	CBNAMS11
Lims ID:	ccvis		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 2



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1
SDG No.: _____
Lab Sample ID: CCV 460-361786/3 Calibration Date: 04/11/2016 08:17
Instrument ID: CBNAMS11 Calib Start Date: 04/06/2016 16:29
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 18:54
Lab File ID: z4178452.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.297	1.124	0.0100	43300	50000	-13.4	20.0
Caprolactam	Ave	0.0884	0.0773	0.0100	43700	50000	-12.5	20.0
Atrazine	Ave	0.2342	0.2164	0.0100	46200	50000	-7.6	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178452.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 11-Apr-2016 08:17:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039691-003
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 13:34:56 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manlangitf

Date: 11-Apr-2016 09:31:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.993	3.993	0.000	91	375200	50.0	43.3	
* 14 1,4-Dichlorobenzene-d4	152	4.428	4.428	0.000	97	267065	40.0	40.0	
* 38 Naphthalene-d8	136	5.710	5.710	0.000	100	956529	40.0	40.0	
42 Caprolactam	113	6.128	6.128	0.000	86	92429	50.0	43.7	
* 65 Acenaphthene-d10	164	7.469	7.469	0.000	93	476908	40.0	40.0	
83 Atrazine	200	8.657	8.657	0.000	92	196921	50.0	46.2	
* 87 Phenanthrene-d10	188	8.933	8.933	0.000	98	728094	40.0	40.0	
* 102 Chrysene-d12	240	11.710	11.710	0.000	99	450117	40.0	40.0	
* 109 Perylene-d12	264	13.651	13.651	0.000	99	266219	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160411-39691.b\\z4178452.D

Injection Date: 11-Apr-2016 08:17:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

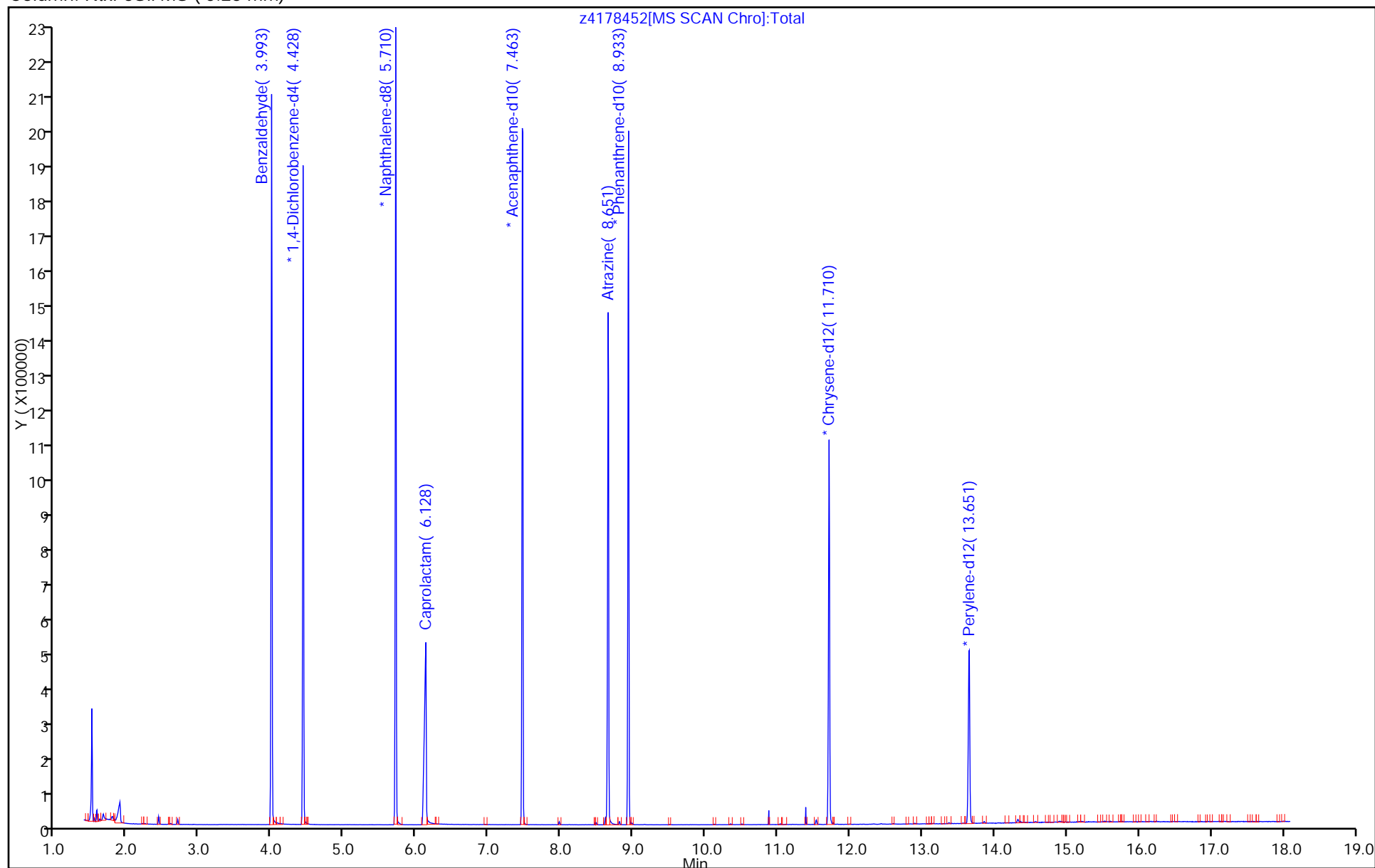
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_11R_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.: 460-111006-1

SDG No.: _____

Lab Sample ID: ICV 460-359755/18 Calibration Date: 03/31/2016 10:50

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12347.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6841	0.6871	0.0100	25100	25000	0.4	30.0
N-Nitrosodimethylamine	Ave	0.8933	0.7715		21600	25000	-13.6	30.0
Pyridine	Ave	1.599	1.651		25800	25000	3.3	30.0
Phenol	Ave	1.723	1.703	0.8000	24700	25000	-1.2	30.0
Aniline	Ave	2.049	1.999		24400	25000	-2.5	30.0
Bis(2-chloroethyl)ether	Ave	1.301	1.308	0.7000	25100	25000	0.6	30.0
2-Chlorophenol	Ave	1.377	1.395	0.8000	25300	25000	1.3	30.0
n-Decane	Ave	1.316	1.296	0.0100	24600	25000	-1.5	30.0
1,3-Dichlorobenzene	Ave	1.577	1.599		25400	25000	1.4	30.0
1,4-Dichlorobenzene	Ave	1.604	1.631		25400	25000	1.7	30.0
Benzyl alcohol	Ave	0.7912	0.8048	0.0100	25400	25000	1.7	30.0
1,2-Dichlorobenzene	Ave	1.471	1.468		24900	25000	-0.2	30.0
2-Methylphenol	Ave	1.172	1.223	0.7000	26100	25000	4.4	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.217	1.244	0.0100	25600	25000	2.2	30.0
3 & 4 Methylphenol	Ave	1.333	1.382		25900	25000	3.7	30.0
4-Methylphenol	Ave	1.333	1.382	0.6000	25900	25000	3.7	30.0
Acetophenone	Ave	1.772	1.809	0.0100	25500	25000	2.1	30.0
N-Nitrosodi-n-propylamine	Ave	0.8908	0.8896	0.5000	25000	25000	-0.1	30.0
Hexachloroethane	Ave	0.6026	0.6309	0.3000	26200	25000	4.7	30.0
Nitrobenzene	Ave	0.5835	0.5889	0.2000	25200	25000	0.9	30.0
n,n'-Dimethylaniline	Ave	1.940	1.945	0.0100	25100	25000	0.2	30.0
Isophorone	Ave	0.6130	0.6305	0.4000	25700	25000	2.8	30.0
2-Nitrophenol	Ave	0.1878	0.1850	0.1000	24600	25000	-1.4	30.0
2,4-Dimethylphenol	Ave	0.2983	0.2875	0.2000	24100	25000	-3.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.3799	0.3738	0.3000	24600	25000	-1.6	30.0
Benzoic acid	Ave	0.1466	0.1530		26100	25000	4.3	30.0
2,4-Dichlorophenol	Ave	0.2714	0.2711	0.2000	25000	25000	-0.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3301		25900	25000	3.5	30.0
Naphthalene	Ave	0.9474	1.049	0.7000	27700	25000	10.7	30.0
4-Chloroaniline	Ave	0.3953	0.3773	0.0100	23900	25000	-4.6	30.0
Hexachlorobutadiene	Ave	0.1932	0.1984	0.0100	25700	25000	2.7	30.0
4-Chloro-3-methylphenol	Ave	0.2594	0.2629		25300	25000	1.3	30.0
2-Methylnaphthalene	Ave	0.6213	0.6041	0.4000	24300	25000	-2.8	30.0
1-Methylnaphthalene	Ave	0.5289	0.5601	0.0100	26500	25000	5.9	30.0
Hexachlorocyclopentadiene	Ave	0.4406	0.3992	0.0500	22700	25000	-9.4	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6454	0.6553	0.0100	25400	25000	1.5	30.0
2-tertbutyl-4-methylphenol	Ave	0.4116	0.4168	0.0100	25300	25000	1.3	30.0
2,4,6-Trichlorophenol	Ave	0.3937	0.4003	0.2000	25400	25000	1.7	30.0
2,4,5-Trichlorophenol	Ave	0.3952	0.4162	0.2000	26300	25000	5.3	30.0
1,1'-Biphenyl	Ave	1.641	1.723	0.0100	26300	25000	5.0	30.0
2-Chloronaphthalene	Ave	1.270	1.314	0.8000	25900	25000	3.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Lab Sample ID: ICV 460-359755/18 Calibration Date: 03/31/2016 10:50

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12347.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8566	0.8817	0.0100	25700	25000	2.9	30.0
2-Nitroaniline	Ave	0.4440	0.4611	0.0100	26000	25000	3.9	30.0
1,3-Dimethylnaphthalene	Ave	1.022	1.082	0.0100	26500	25000	5.9	30.0
Dimethyl phthalate	Ave	1.152	1.152	0.0100	25000	25000	0.0	30.0
Coumarin	Ave	0.1425	0.1359	0.0100	23800	25000	-4.6	30.0
2,6-Dinitrotoluene	Ave	0.2616	0.2689	0.2000	25700	25000	2.8	30.0
Acenaphthylene	Ave	1.697	1.700	0.9000	25000	25000	0.2	30.0
3-Nitroaniline	Ave	0.2634	0.2603	0.0100	24700	25000	-1.2	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.225	1.248	0.0100	25500	25000	1.9	30.0
Acenaphthene	Ave	1.210	1.295	0.9000	26800	25000	7.0	30.0
2,4-Dinitrophenol	Lin2		0.1287	0.0100	43400	50000	-13.2	30.0
4-Nitrophenol	Ave	0.2017	0.1964	0.0100	48700	50000	-2.6	30.0
2,4-Dinitrotoluene	Ave	0.3043	0.3023	0.2000	24800	25000	-0.6	30.0
Dibenzofuran	Ave	1.520	1.543	0.8000	25400	25000	1.5	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2685	0.2686	0.0100	25000	25000	0.0	30.0
Diethyl phthalate	Ave	1.030	1.026	0.0100	24900	25000	-0.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.5774	0.5776	0.4000	25000	25000	0.0	30.0
Fluorene	Ave	1.187	1.202	0.9000	25300	25000	1.2	30.0
4-Nitroaniline	Ave	0.2321	0.2247	0.0100	24200	25000	-3.2	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1451	0.0100	48900	50000	-2.2	30.0
N-Nitrosodiphenylamine	Ave	0.6640	0.8492	0.0100	54400	42500	27.9	30.0
1,2-Diphenylhydrazine	Ave	1.016	1.155	0.0100	28400	25000	13.7	30.0
4-Bromophenyl phenyl ether	Ave	0.2359	0.2506	0.1000	26600	25000	6.2	30.0
Hexachlorobenzene	Ave	0.2285	0.2517	0.1000	27500	25000	10.1	30.0
Pentachlorophenol	Ave	0.1391	0.1535	0.0500	55100	50000	10.3	30.0
Pentachloronitrobenzene	Ave	0.0987	0.1112	0.0100	28200	25000	12.6	30.0
n-Octadecane	Ave	0.5337	0.5591	0.0100	26200	25000	4.8	30.0
Phenanthrene	Ave	1.141	1.159	0.7000	25400	25000	1.6	30.0
Anthracene	Ave	1.152	1.176	0.7000	25500	25000	2.1	30.0
Carbazole	Ave	0.9010	0.8830	0.0100	24500	25000	-2.0	30.0
Di-n-butyl phthalate	Ave	1.094	1.119	0.0100	25600	25000	2.3	30.0
Fluoranthene	Ave	0.9272	0.8861	0.6000	23900	25000	-4.4	30.0
Benzidine	Qua		0.3294		23300	25000	-6.7	30.0
Pyrene	Ave	1.708	1.720	0.6000	25200	25000	0.7	30.0
Bisphenol-A	Ave	0.6761	0.6390		23600	25000	-5.5	30.0
Butyl benzyl phthalate	Ave	0.6498	0.6830	0.0100	26300	25000	5.1	30.0
Carbamazepine	Ave	0.5064	0.4994	0.0100	24700	25000	-1.4	30.0
3,3'-Dichlorobenzidine	Ave	0.4005	0.4094	0.0100	25600	25000	2.2	30.0
Benzo[a]anthracene	Ave	1.255	1.232	0.8000	24500	25000	-1.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8482	0.8576	0.0100	25300	25000	1.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Lab Sample ID: ICV 460-359755/18 Calibration Date: 03/31/2016 10:50
 Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35
 Lab File ID: x12347.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.110	1.175	0.7000	26500	25000	5.9	30.0
Di-n-octyl phthalate	Ave	1.624	1.722	0.0100	26500	25000	6.0	30.0
Benzo[b]fluoranthene	Ave	1.249	1.194	0.7000	23900	25000	-4.4	30.0
Benzo[k]fluoranthene	Ave	1.320	1.332	0.7000	25200	25000	0.9	30.0
Benzo[a]pyrene	Ave	1.146	1.142	0.7000	24900	25000	-0.3	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9671	0.9138	0.5000	23600	25000	-5.5	30.0
Dibenz(a,h)anthracene	Ave	0.9827	1.001	0.4000	25500	25000	1.9	30.0
Benzo[g,h,i]perylene	Ave	0.9848	1.121	0.5000	28500	25000	13.8	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12347.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 31-Mar-2016 10:50:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-018
 Operator ID: Instrument ID: CBNAMS5
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:46 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 11:21:21

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	1.875	1.863	0.012	92	869183	25.0	25.1	
2 N-Nitrosodimethylamine	74	2.099	2.099	-0.001	87	975943	25.0	21.6	
3 Pyridine	79	2.134	2.128	0.006	96	2088828	25.0	25.8	
7 Phenol	94	4.187	4.193	-0.006	98	2153737	25.0	24.7	
8 Aniline	93	4.216	4.222	-0.006	100	2528491	25.0	24.4	
9 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	99	1654975	25.0	25.1	
10 Benzonitrile	103	4.298	4.310	-0.012	66	3255978	NC	NC	
11 2-Chlorophenol	128	4.340	4.340	0.000	94	1764481	25.0	25.3	
12 n-Decane	43	4.392	4.387	0.005	84	1639679	25.0	24.6	
13 1,3-Dichlorobenzene	146	4.498	4.493	0.005	93	2023044	25.0	25.4	
* 14 1,4-Dichlorobenzene-d4	152	4.551	4.546	0.005	98	2023995	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.569	4.563	0.006	92	2063493	25.0	25.4	
16 Benzyl alcohol	108	4.681	4.681	0.000	91	1018092	25.0	25.4	
17 1,2-Dichlorobenzene	146	4.722	4.716	0.006	93	1856514	25.0	24.9	
18 2-Methylphenol	108	4.792	4.793	-0.001	87	1547368	25.0	26.1	
19 2,2'-oxybis[1-chloropropan	45	4.822	4.816	0.006	90	1574259	25.0	25.6	
20 N-Methylaniline	106	4.940	4.940	0.000	82	2565481	NC	NC	
21 Acetophenone	105	4.951	4.951	0.000	89	2288693	25.0	25.5	
23 3 & 4 Methylphenol	108	4.951	4.951	0.000	88	1748503	25.0	25.9	
24 4-Methylphenol	108	4.951	4.951	0.000	85	1748503	25.0	25.9	
22 N-Nitrosodi-n-propylamine	70	4.951	4.957	-0.006	89	1125292	25.0	25.0	
25 Hexachloroethane	117	5.063	5.057	0.006	95	798087	25.0	26.2	
28 Nitrobenzene	77	5.122	5.128	-0.006	97	2545690	25.0	25.2	
27 n,n'-Dimethylaniline	120	5.128	5.134	-0.006	92	2459864	25.0	25.1	
31 Isophorone	82	5.363	5.369	-0.006	100	2725291	25.0	25.7	
32 2-Nitrophenol	139	5.445	5.440	0.005	88	799898	25.0	24.6	
33 2,4-Dimethylphenol	122	5.487	5.481	0.006	87	1242936	25.0	24.1	
34 Bis(2-chloroethoxy)methane	93	5.581	5.575	0.006	99	1615967	25.0	24.6	
35 Benzoic acid	122	5.592	5.610	-0.018	88	661169	25.0	26.1	
36 2,4-Dichlorophenol	162	5.687	5.681	0.006	94	1171697	25.0	25.0	
37 1,2,4-Trichlorobenzene	180	5.775	5.769	0.006	94	1427095	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 38 Naphthalene-d8	136	5.834	5.822	0.012	99	6916357	40.0	40.0	
39 Naphthalene	128	5.851	5.846	0.005	99	4534258	25.0	27.7	
40 4-Chloroaniline	127	5.904	5.898	0.006	96	1631101	25.0	23.9	
41 Hexachlorobutadiene	225	5.981	5.975	0.006	93	857443	25.0	25.7	
43 4-Chloro-3-methylphenol	107	6.381	6.375	0.006	95	1136331	25.0	25.3	
44 2-Methylnaphthalene	142	6.545	6.540	0.005	85	2611457	25.0	24.3	
45 1-Methylnaphthalene	142	6.645	6.640	0.005	93	2421197	25.0	26.5	
46 Hexachlorocyclopentadiene	237	6.710	6.704	0.006	96	689977	25.0	22.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.716	6.710	0.006	95	1132577	25.0	25.4	
48 2-tertbutyl-4-methylphenol	149	6.739	6.734	0.005	90	1801849	25.0	25.3	
49 2,4,6-Trichlorophenol	196	6.822	6.816	0.006	86	691921	25.0	25.4	
50 2,4,5-Trichlorophenol	196	6.857	6.851	0.006	94	719406	25.0	26.3	
52 1,1'-Biphenyl	154	7.010	7.010	0.000	94	2978392	25.0	26.3	
53 2-Chloronaphthalene	162	7.028	7.028	0.000	97	2271265	25.0	25.9	
54 Phenyl ether	170	7.116	7.110	0.006	87	1523912	25.0	25.7	
56 2-Nitroaniline	65	7.128	7.122	0.006	96	796909	25.0	26.0	
57 1,3-Dimethylnaphthalene	156	7.245	7.240	0.005	92	1869558	25.0	26.5	
58 Dimethyl phthalate	163	7.310	7.310	0.000	98	1991295	25.0	25.0	
59 Coumarin	146	7.333	7.328	0.005	71	587481	25.0	23.8	
60 2,6-Dinitrotoluene	165	7.369	7.363	0.006	94	464754	25.0	25.7	
61 Acenaphthylene	152	7.439	7.440	-0.001	98	2937620	25.0	25.0	
64 3-Nitroaniline	138	7.533	7.528	0.005	93	449905	25.0	24.7	
* 65 Acenaphthene-d10	164	7.586	7.575	0.011	92	2765491	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.598	7.592	0.006	96	2157812	25.0	25.5	
67 Acenaphthene	154	7.616	7.610	0.006	93	2237918	25.0	26.8	
68 2,4-Dinitrophenol	184	7.633	7.628	0.005	95	444994	50.0	43.4	
69 4-Nitrophenol	65	7.692	7.687	0.005	92	679025	50.0	48.7	
70 2,4-Dinitrotoluene	165	7.763	7.757	0.006	91	522555	25.0	24.8	
71 Dibenzofuran	168	7.786	7.786	0.000	95	2666583	25.0	25.4	
72 2,3,4,6-Tetrachlorophenol	232	7.904	7.898	0.006	92	464309	25.0	25.0	
73 Diethyl phthalate	149	8.010	8.004	0.006	98	1773231	25.0	24.9	
75 Fluorene	166	8.122	8.116	0.006	96	2077013	25.0	25.3	
74 4-Chlorophenyl phenyl ethe	204	8.122	8.116	0.006	86	998401	25.0	25.0	
76 4-Nitroaniline	138	8.133	8.134	-0.001	90	388439	25.0	24.2	
77 4,6-Dinitro-2-methylphenol	198	8.169	8.163	0.006	82	551597	50.0	48.9	
78 N-Nitrosodiphenylamine	169	8.239	8.234	0.005	66	2743293	42.5	54.4	
79 1,2-Diphenylhydrazine	77	8.275	8.269	0.006	97	2195702	25.0	28.4	
81 4-Bromophenyl phenyl ether	248	8.604	8.592	0.012	86	476211	25.0	26.6	
83 Hexachlorobenzene	284	8.675	8.663	0.012	98	478278	25.0	27.5	
85 Pentachlorophenol	266	8.863	8.857	0.006	91	583207	50.0	55.1	
86 Pentachloronitrobenzene	237	8.880	8.869	0.011	86	211273	25.0	28.2	
87 n-Octadecane	57	8.939	8.928	0.011	91	1062541	25.0	26.2	
* 88 Phenanthrene-d10	188	9.051	9.039	0.012	98	3040604	40.0	40.0	
89 Phenanthrene	178	9.075	9.063	0.012	97	2203433	25.0	25.4	
90 Anthracene	178	9.122	9.116	0.006	99	2235357	25.0	25.5	
91 Carbazole	167	9.275	9.269	0.006	96	1678084	25.0	24.5	
92 Di-n-butyl phthalate	149	9.616	9.610	0.006	99	2125615	25.0	25.6	
93 Fluoranthene	202	10.245	10.239	0.006	98	1683847	25.0	23.9	
94 Benzidine	184	10.374	10.369	0.005	99	626056	25.0	23.3	
95 Pyrene	202	10.480	10.475	0.005	98	1666969	25.0	25.2	
82 Bisphenol-A	213	10.516	10.510	0.006	99	619294	25.0	23.6	
97 Butyl benzyl phthalate	149	11.180	11.175	0.005	98	661965	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	11.310	11.304	0.006	91	483983	25.0	24.7	
100 3,3'-Dichlorobenzidine	252	11.827	11.822	0.005	99	396820	25.0	25.6	
101 Benzo[a]anthracene	228	11.863	11.857	0.006	98	1193969	25.0	24.5	
* 102 Chrysene-d12	240	11.874	11.869	0.005	99	1550746	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.898	11.892	0.006	88	831166	25.0	25.3	
103 Chrysene	228	11.910	11.904	0.006	99	1138901	25.0	26.5	
105 Di-n-octyl phthalate	149	12.786	12.780	0.006	97	1225628	25.0	26.5	
106 Benzo[b]fluoranthene	252	13.315	13.310	0.005	98	849281	25.0	23.9	
107 Benzo[k]fluoranthene	252	13.351	13.345	0.006	99	948139	25.0	25.2	
108 Benzo[a]pyrene	252	13.774	13.768	0.006	97	812948	25.0	24.9	
* 109 Perylene-d12	264	13.857	13.845	0.012	99	1138538	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.474	15.468	0.006	99	650223	25.0	23.6	
111 Dibenz(a,h)anthracene	278	15.509	15.510	-0.001	97	712256	25.0	25.5	
112 Benzo[g,h,i]perylene	276	15.927	15.927	0.000	98	797594	25.0	28.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

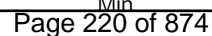
SM_ICV-long_00010

Amount Added: 1.00

Units: mL

ALS Bottle#: 18

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1
SDG No.: _____
Lab Sample ID: ICV 460-359755/19 Calibration Date: 03/31/2016 11:15
Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 08:00
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 10:26
Lab File ID: x12348.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.285	1.488	0.0100	28900	25000	15.8	30.0
Caprolactam	Ave	0.0753	0.0813	0.0100	27000	25000	7.9	30.0
Atrazine	Ave	0.2129	0.2421	0.0100	28400	25000	13.7	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12348.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 31-Mar-2016 11:15:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-019
 Operator ID: Instrument ID: CBNAMS5
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:04:46 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 13:00:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.110	4.110	0.000	97	1912684	25.0	28.9	
* 14 1,4-Dichlorobenzene-d4	152	4.551	4.546	0.005	98	2056674	40.0	40.0	
* 38 Naphthalene-d8	136	5.828	5.822	0.006	100	7397912	40.0	40.0	e
42 Caprolactam	113	6.222	6.228	-0.006	93	376061	25.0	27.0	
* 65 Acenaphthene-d10	164	7.581	7.575	0.006	92	3093834	40.0	40.0	
84 Atrazine	200	8.757	8.757	0.000	93	565543	25.0	28.4	
* 88 Phenanthrene-d10	188	9.051	9.039	0.012	99	3738108	40.0	40.0	
* 102 Chrysene-d12	240	11.874	11.869	0.005	100	1599560	40.0	40.0	
* 109 Perylene-d12	264	13.857	13.845	0.012	98	1121706	40.0	40.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12348.D

Injection Date: 31-Mar-2016 11:15:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: icv

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

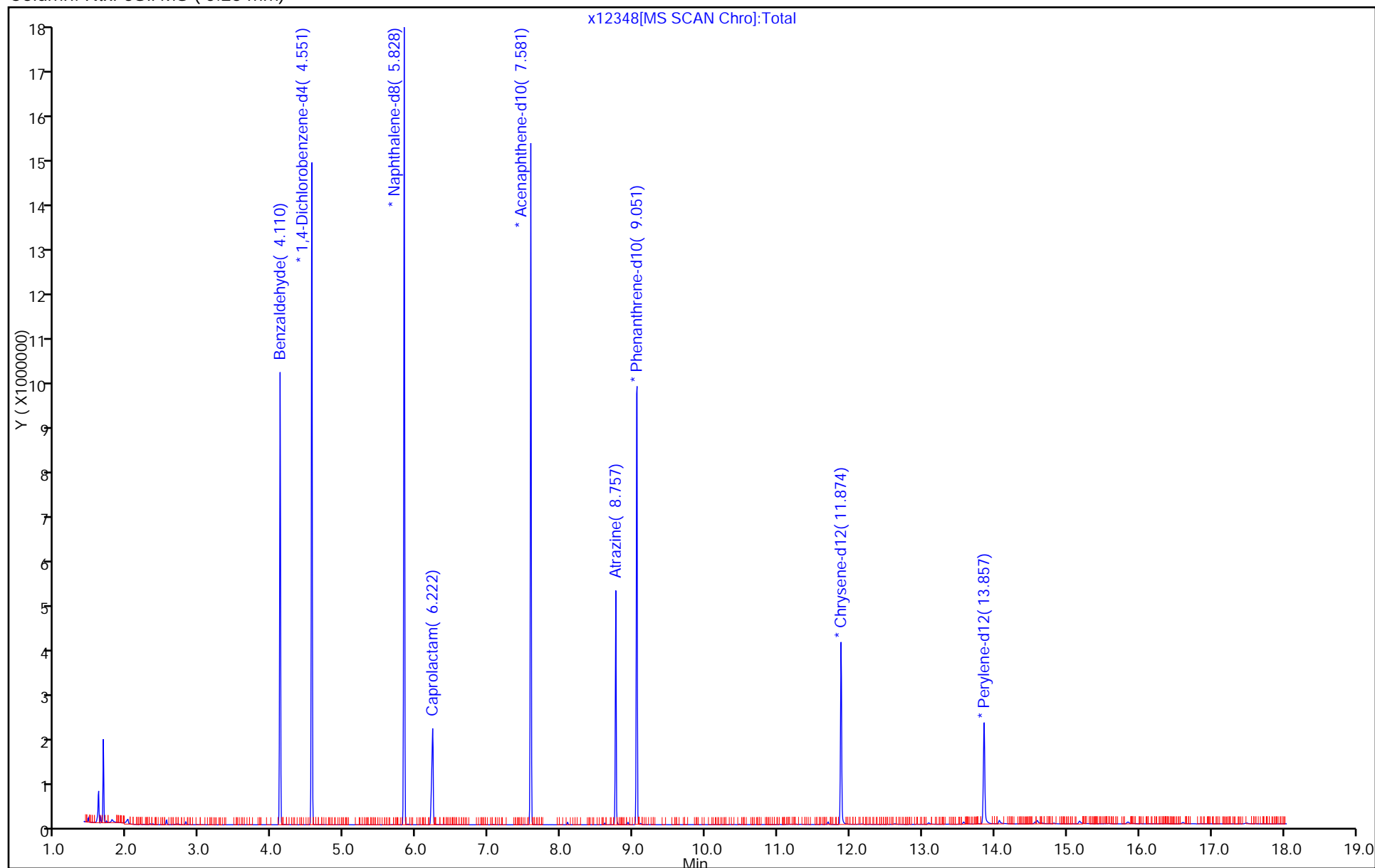
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Lab Sample ID: CCVIS 460-360592/2 Calibration Date: 04/04/2016 14:23

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12517.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6841	0.6696	0.0100	48900	50000	-2.1	20.0
N-Nitrosodimethylamine	Ave	0.8933	0.8677		48600	50000	-2.9	20.0
Pyridine	Ave	1.599	1.594		49800	50000	-0.3	20.0
Phenol	Ave	1.723	1.911	0.8000	55400	50000	10.9	20.0
Aniline	Ave	2.049	2.123		51800	50000	3.6	20.0
Bis(2-chloroethyl)ether	Ave	1.301	1.314	0.7000	50500	50000	1.0	20.0
2-Chlorophenol	Ave	1.377	1.371	0.8000	49800	50000	-0.4	20.0
n-Decane	Ave	1.316	1.295	0.0100	49200	50000	-1.6	20.0
1,3-Dichlorobenzene	Ave	1.577	1.587		50300	50000	0.7	20.0
1,4-Dichlorobenzene	Ave	1.604	1.635		51000	50000	2.0	20.0
Benzyl alcohol	Ave	0.7912	0.7711	0.0100	48700	50000	-2.5	20.0
1,2-Dichlorobenzene	Ave	1.471	1.497		50900	50000	1.8	20.0
2-Methylphenol	Ave	1.172	1.245	0.7000	53100	50000	6.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.217	1.239	0.0100	50900	50000	1.8	20.0
Acetophenone	Ave	1.772	1.919	0.0100	54100	50000	8.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.8908	0.9196	0.5000	51600	50000	3.2	20.0
3 & 4 Methylphenol	Ave	1.333	1.407		52800	50000	5.5	20.0
4-Methylphenol	Ave	1.333	1.407	0.6000	52800	50000	5.5	20.0
Hexachloroethane	Ave	0.6026	0.6122	0.3000	50800	50000	1.6	20.0
n,n'-Dimethylaniline	Ave	1.940	2.204	0.0100	56800	50000	13.6	20.0
Nitrobenzene	Ave	0.5835	0.5987	0.2000	51300	50000	2.6	20.0
Isophorone	Ave	0.6130	0.6063	0.4000	49400	50000	-1.1	20.0
2-Nitrophenol	Ave	0.1878	0.1894	0.1000	50400	50000	0.9	20.0
2,4-Dimethylphenol	Ave	0.2983	0.2934	0.2000	49200	50000	-1.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.3799	0.3734	0.3000	49200	50000	-1.7	20.0
Benzoic acid	Ave	0.1466	0.1565		53400	50000	6.7	20.0
2,4-Dichlorophenol	Ave	0.2714	0.2788	0.2000	51400	50000	2.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3229		50600	50000	1.3	20.0
Naphthalene	Ave	0.9474	1.063	0.7000	56100	50000	12.2	20.0
4-Chloroaniline	Ave	0.3953	0.4064	0.0100	51400	50000	2.8	20.0
Hexachlorobutadiene	Ave	0.1932	0.1918	0.0100	49600	50000	-0.7	20.0
4-Chloro-3-methylphenol	Ave	0.2594	0.2749		53000	50000	6.0	20.0
2-Methylnaphthalene	Ave	0.6213	0.6618	0.4000	53300	50000	6.5	20.0
1-Methylnaphthalene	Ave	0.5289	0.5563	0.0100	52600	50000	5.2	20.0
Hexachlorocyclopentadiene	Ave	0.4406	0.4244	0.0500	48200	50000	-3.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6454	0.6326	0.0100	49000	50000	-2.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4116	0.4340	0.0100	52700	50000	5.4	20.0
2,4,6-Trichlorophenol	Ave	0.3937	0.3796	0.2000	48200	50000	-3.6	20.0
2,4,5-Trichlorophenol	Ave	0.3952	0.3929	0.2000	49700	50000	-0.6	20.0
1,1'-Biphenyl	Ave	1.641	1.725	0.0100	52600	50000	5.1	20.0
2-Chloronaphthalene	Ave	1.270	1.269	0.8000	49900	50000	-0.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Lab Sample ID: CCVIS 460-360592/2 Calibration Date: 04/04/2016 14:23

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12517.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8566	0.8678	0.0100	50700	50000	1.3	20.0
2-Nitroaniline	Ave	0.4440	0.4448	0.0100	50100	50000	0.2	20.0
1,3-Dimethylnaphthalene	Ave	1.022	1.075	0.0100	52600	50000	5.2	20.0
Dimethyl phthalate	Ave	1.152	1.137	0.0100	49400	50000	-1.3	20.0
Coumarin	Ave	0.1425	0.1554	0.0100	54500	50000	9.1	20.0
2,6-Dinitrotoluene	Ave	0.2616	0.2648	0.2000	50600	50000	1.2	20.0
Acenaphthylene	Ave	1.697	1.767	0.9000	52100	50000	4.1	20.0
3-Nitroaniline	Ave	0.2634	0.2646	0.0100	50200	50000	0.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.225	1.284	0.0100	52400	50000	4.8	20.0
Acenaphthene	Ave	1.210	1.181	0.9000	48800	50000	-2.4	20.0
2,4-Dinitrophenol	Lin2		0.1513	0.0100	98600	100000	-1.4	20.0
4-Nitrophenol	Ave	0.2017	0.1969	0.0100	97600	100000	-2.4	20.0
2,4-Dinitrotoluene	Ave	0.3043	0.3166	0.2000	52000	50000	4.1	20.0
Dibenzofuran	Ave	1.520	1.580	0.8000	52000	50000	3.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2685	0.2625	0.0100	48900	50000	-2.2	20.0
Diethyl phthalate	Ave	1.030	1.025	0.0100	49800	50000	-0.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.5774	0.6117	0.4000	53000	50000	5.9	20.0
Fluorene	Ave	1.187	1.256	0.9000	52900	50000	5.8	20.0
4-Nitroaniline	Ave	0.2321	0.2243	0.0100	48300	50000	-3.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1441	0.0100	95200	100000	-4.8	20.0
N-Nitrosodiphenylamine	Ave	0.6640	0.6926	0.0100	104000	100000	4.3	20.0
1,2-Diphenylhydrazine	Ave	1.016	0.9915	0.0100	48800	50000	-2.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2359	0.2414	0.1000	51200	50000	2.3	20.0
Hexachlorobenzene	Ave	0.2285	0.2446	0.1000	53500	50000	7.1	20.0
Pentachlorophenol	Ave	0.1391	0.1359	0.0500	97600	100000	-2.4	20.0
Pentachloronitrobenzene	Ave	0.0987	0.1036	0.0100	52500	50000	5.0	20.0
n-Octadecane	Ave	0.5337	0.5681	0.0100	53200	50000	6.5	20.0
Phenanthrene	Ave	1.141	1.143	0.7000	50100	50000	0.1	20.0
Anthracene	Ave	1.152	1.161	0.7000	50400	50000	0.8	20.0
Carbazole	Ave	0.9010	0.8691	0.0100	48200	50000	-3.5	20.0
Di-n-butyl phthalate	Ave	1.094	1.038	0.0100	47400	50000	-5.1	20.0
Fluoranthene	Ave	0.9272	0.8692	0.6000	46900	50000	-6.3	20.0
Benzidine	Qua		0.3472		44100	50000	-11.8	20.0
Pyrene	Ave	1.708	1.917	0.6000	56100	50000	12.2	20.0
Bisphenol-A	Ave	0.6761	0.5904		43700	50000	-12.7	20.0
Butyl benzyl phthalate	Ave	0.6498	0.6637	0.0100	51100	50000	2.1	20.0
2,3,7,8-TCDD	Ave	0.1445	0.1962	0.0100	679	500	35.7*	20.0
Carbamazepine	Ave	0.5064	0.4255	0.0100	42000	50000	-16.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4005	0.4029	0.0100	50300	50000	0.6	20.0
Benzo[a]anthracene	Ave	1.255	1.217	0.8000	48500	50000	-3.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-360592/2 Calibration Date: 04/04/2016 14:23
 Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35
 Lab File ID: x12517.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	0.8482	0.9114	0.0100	53700	50000	7.5	20.0
Chrysene	Ave	1.110	1.124	0.7000	50600	50000	1.3	20.0
Di-n-octyl phthalate	Ave	1.624	1.803	0.0100	55500	50000	11.0	20.0
Benzo[b]fluoranthene	Ave	1.249	1.247	0.7000	49900	50000	-0.1	20.0
Benzo[k]fluoranthene	Ave	1.320	1.353	0.7000	51200	50000	2.4	20.0
Benzo[a]pyrene	Ave	1.146	1.190	0.7000	51900	50000	3.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9671	1.002	0.5000	51800	50000	3.6	20.0
Dibenz(a,h)anthracene	Ave	0.9827	1.013	0.4000	51600	50000	3.1	20.0
Benzo[g,h,i]perylene	Ave	0.9848	1.029	0.5000	52200	50000	4.5	20.0
2-Fluorophenol (Surr)	Ave	1.474	1.488	0.0100	50500	50000	1.0	20.0
Phenol-d5 (Surr)	Ave	1.656	1.761	0.0100	53200	50000	6.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4220	0.4357	0.0100	51600	50000	3.3	20.0
2-Fluorobiphenyl	Ave	1.502	1.622	0.0100	54000	50000	7.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1406	0.1543	0.0100	54900	50000	9.8	20.0
Terphenyl-d14 (Surr)	Ave	1.180	1.383	0.0100	58600	50000	17.2	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12517.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 04-Apr-2016 14:23:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039417-002
 Misc. Info.: CCVIS
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 13:04:56 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: zhaoc

Date: 04-Apr-2016 15:18:03

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	1.752	1.752	0.000	91	1245760	50.0	48.9	
2 N-Nitrosodimethylamine	74	1.987	1.987	0.000	87	1614238	50.0	48.6	
3 Pyridine	79	2.010	2.010	0.000	96	2965223	50.0	49.8	
\$ 4 2-Fluorophenol	112	3.128	3.128	0.000	95	2768821	50.0	50.5	
\$ 6 Phenol-d5	99	4.057	4.057	0.000	98	3276843	50.0	53.2	
7 Phenol	94	4.075	4.075	0.000	98	3554318	50.0	55.4	
8 Aniline	93	4.087	4.087	0.000	100	3950138	50.0	51.8	
9 Bis(2-chloroethyl)ether	93	4.151	4.151	0.000	99	2444301	50.0	50.5	
10 Benzonitrile	103	4.181	4.181	0.000	66	4881891	NC	NC	
11 2-Chlorophenol	128	4.210	4.210	0.000	95	2550317	50.0	49.8	
12 n-Decane	43	4.257	4.257	0.000	85	2408596	50.0	49.2	
13 1,3-Dichlorobenzene	146	4.357	4.357	0.000	97	2952801	50.0	50.3	
* 14 1,4-Dichlorobenzene-d4	152	4.410	4.410	0.000	98	1488288	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.428	4.428	0.000	93	3041795	50.0	51.0	
16 Benzyl alcohol	108	4.557	4.557	0.000	90	1434540	50.0	48.7	
17 1,2-Dichlorobenzene	146	4.581	4.581	0.000	94	2785337	50.0	50.9	
18 2-Methylphenol	108	4.669	4.669	0.000	89	2316513	50.0	53.1	
19 2,2'-oxybis[1-chloropropan	45	4.687	4.687	0.000	86	2304851	50.0	50.9	
20 N-Methylaniline	106	4.810	4.810	0.000	86	3976981	NC	NC	
21 Acetophenone	105	4.822	4.822	0.000	93	3569228	50.0	54.1	
22 N-Nitrosodi-n-propylamine	70	4.828	4.828	0.000	83	1710851	50.0	51.6	
24 4-Methylphenol	108	4.834	4.834	0.000	92	2617702	50.0	52.8	
23 3 & 4 Methylphenol	108	4.834	4.834	0.000	95	2617702	50.0	52.8	
25 Hexachloroethane	117	4.922	4.922	0.000	95	1138889	50.0	50.8	
\$ 26 Nitrobenzene-d5	82	4.975	4.975	0.000	87	2882573	50.0	51.6	
28 Nitrobenzene	77	4.998	4.998	0.000	93	3960350	50.0	51.3	
27 n,n'-Dimethylaniline	120	4.998	4.998	0.000	89	4100144	50.0	56.8	
31 Isophorone	82	5.240	5.240	0.000	99	4010656	50.0	49.4	
32 2-Nitrophenol	139	5.310	5.310	0.000	89	1253216	50.0	50.4	
33 2,4-Dimethylphenol	122	5.357	5.357	0.000	88	1941006	50.0	49.2	

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	5.445	5.445	0.000	99	2470292	50.0	49.2	
35 Benzoic acid	122	5.510	5.510	0.000	92	1035438	50.0	53.4	
36 2,4-Dichlorophenol	162	5.557	5.557	0.000	95	1844501	50.0	51.4	
37 1,2,4-Trichlorobenzene	180	5.634	5.634	0.000	94	2136363	50.0	50.6	
* 38 Naphthalene-d8	136	5.692	5.692	0.000	99	5292287	40.0	40.0	
39 Naphthalene	128	5.716	5.716	0.000	100	7032115	50.0	56.1	
40 4-Chloroaniline	127	5.769	5.769	0.000	98	2688467	50.0	51.4	
41 Hexachlorobutadiene	225	5.840	5.840	0.000	94	1268776	50.0	49.6	
43 4-Chloro-3-methylphenol	107	6.257	6.257	0.000	95	1818835	50.0	53.0	
44 2-Methylnaphthalene	142	6.404	6.404	0.000	86	4377706	50.0	53.3	
45 1-Methylnaphthalene	142	6.504	6.504	0.000	93	3679836	50.0	52.6	
46 Hexachlorocyclopentadiene	237	6.569	6.569	0.000	95	1225753	50.0	48.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.575	6.575	0.000	96	1826892	50.0	49.0	
48 2-tertbutyl-4-methylphenol	149	6.610	6.610	0.000	90	2870985	50.0	52.7	
49 2,4,6-Trichlorophenol	196	6.687	6.687	0.000	87	1096231	50.0	48.2	
50 2,4,5-Trichlorophenol	196	6.728	6.728	0.000	95	1134831	50.0	49.7	
\$ 51 2-Fluorobiphenyl	172	6.769	6.769	0.000	98	4683090	50.0	54.0	
52 1,1'-Biphenyl	154	6.869	6.869	0.000	94	4981614	50.0	52.6	
53 2-Chloronaphthalene	162	6.892	6.892	0.000	97	3663918	50.0	49.9	
54 Phenyl ether	170	6.975	6.975	0.000	85	2506216	50.0	50.7	
56 2-Nitroaniline	65	6.992	6.992	0.000	95	1284682	50.0	50.1	
57 1,3-Dimethylnaphthalene	156	7.110	7.110	0.000	92	3103383	50.0	52.6	
58 Dimethyl phthalate	163	7.181	7.181	0.000	98	3283502	50.0	49.4	
59 Coumarin	146	7.198	7.198	0.000	75	1028272	50.0	54.5	
60 2,6-Dinitrotoluene	165	7.234	7.234	0.000	94	764599	50.0	50.6	
61 Acenaphthylene	152	7.304	7.304	0.000	98	5102663	50.0	52.1	
64 3-Nitroaniline	138	7.404	7.404	0.000	93	764275	50.0	50.2	
* 65 Acenaphthene-d10	164	7.439	7.439	0.000	91	2310425	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.463	7.463	0.000	96	3707768	50.0	52.4	
67 Acenaphthene	154	7.475	7.475	0.000	94	3409715	50.0	48.8	
68 2,4-Dinitrophenol	184	7.504	7.504	0.000	95	873628	100.0	98.6	
69 4-Nitrophenol	65	7.581	7.581	0.000	91	1137539	100.0	97.6	
70 2,4-Dinitrotoluene	165	7.634	7.634	0.000	93	914323	50.0	52.0	
71 Dibenzofuran	168	7.645	7.645	0.000	96	4562893	50.0	52.0	
72 2,3,4,6-Tetrachlorophenol	232	7.769	7.769	0.000	94	758203	50.0	48.9	
73 Diethyl phthalate	149	7.875	7.875	0.000	98	2960450	50.0	49.8	
74 4-Chlorophenyl phenyl ethe	204	7.981	7.981	0.000	88	1766465	50.0	53.0	
75 Fluorene	166	7.981	7.981	0.000	95	3628079	50.0	52.9	
76 4-Nitroaniline	138	8.010	8.010	0.000	89	647776	50.0	48.3	
77 4,6-Dinitro-2-methylphenol	198	8.039	8.039	0.000	85	1009159	100.0	95.2	
78 N-Nitrosodiphenylamine	169	8.104	8.104	0.000	65	4852079	100.0	104.3	
79 1,2-Diphenylhydrazine	77	8.139	8.139	0.000	97	3472879	50.0	48.8	
\$ 80 2,4,6-Tribromophenol	330	8.222	8.222	0.000	94	445575	50.0	54.9	
81 4-Bromophenyl phenyl ether	248	8.457	8.457	0.000	85	845427	50.0	51.2	
83 Hexachlorobenzene	284	8.528	8.528	0.000	99	856856	50.0	53.5	
85 Pentachlorophenol	266	8.722	8.722	0.000	92	951737	100.0	97.6	
86 Pentachloronitrobenzene	237	8.733	8.733	0.000	86	362910	50.0	52.5	
87 n-Octadecane	57	8.798	8.798	0.000	91	1989838	50.0	53.2	
* 88 Phenanthrene-d10	188	8.904	8.904	0.000	99	2802103	40.0	40.0	
89 Phenanthrene	178	8.928	8.928	0.000	97	4003332	50.0	50.1	
90 Anthracene	178	8.981	8.981	0.000	99	4066704	50.0	50.4	
91 Carbazole	167	9.133	9.133	0.000	96	3044143	50.0	48.2	

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	9.475	9.475	0.000	99	3634583	50.0	47.4	
93 Fluoranthene	202	10.098	10.098	0.000	98	3044602	50.0	46.9	
94 Benzdine	184	10.222	10.222	0.000	99	1216235	50.0	44.1	
95 Pyrene	202	10.327	10.327	0.000	98	2982857	50.0	56.1	
82 Bisphenol-A	213	10.375	10.375	0.000	99	918615	50.0	43.7	
\$ 96 Terphenyl-d14	244	10.480	10.480	0.000	99	2151560	50.0	58.6	
97 Butyl benzyl phthalate	149	11.010	11.010	0.000	98	1032586	50.0	51.1	
98 2,3,7,8-TCDD	320	11.127	11.127	0.000	41	3052	0.5000	0.6786	
99 Carbamazepine	193	11.139	11.139	0.000	91	662003	50.0	42.0	
100 3,3'-Dichlorobenzidine	252	11.645	11.645	0.000	99	626794	50.0	50.3	
101 Benzo[a]anthracene	228	11.674	11.674	0.000	98	1893480	50.0	48.5	
* 102 Chrysene-d12	240	11.692	11.692	0.000	100	1244722	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.716	11.716	0.000	89	1418077	50.0	53.7	
103 Chrysene	228	11.722	11.722	0.000	99	1748571	50.0	50.6	
105 Di-n-octyl phthalate	149	12.586	12.586	0.000	97	1963485	50.0	55.5	
106 Benzo[b]fluoranthene	252	13.104	13.104	0.000	99	1358098	50.0	49.9	
107 Benzo[k]fluoranthene	252	13.145	13.145	0.000	99	1473359	50.0	51.2	
108 Benzo[a]pyrene	252	13.557	13.557	0.000	97	1295850	50.0	51.9	
* 109 Perylene-d12	264	13.633	13.633	0.000	98	871417	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.192	15.192	0.000	99	1091245	50.0	51.8	
111 Dibenz(a,h)anthracene	278	15.227	15.227	0.000	97	1103672	50.0	51.6	
112 Benzo[g,h,i]perylene	276	15.627	15.627	0.000	98	1120802	50.0	52.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

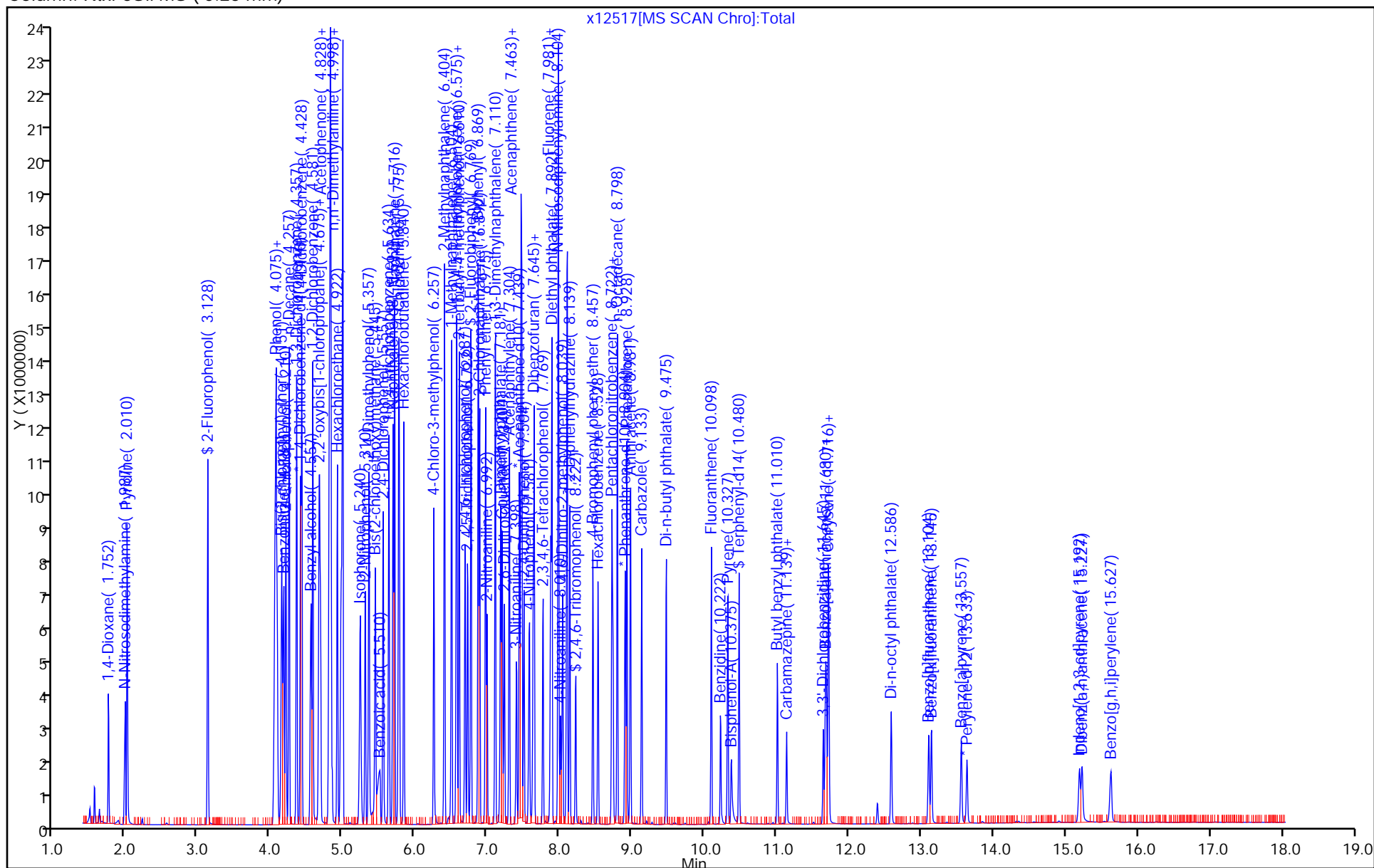
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAM5\\20160404-39417.b\\x12517.D		
Injection Date:	04-Apr-2016 14:23:30	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.: 460-111006-1
SDG No.: _____
Lab Sample ID: CCV 460-360592/3 Calibration Date: 04/04/2016 14:59
Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 08:00
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 10:26
Lab File ID: x12518.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.285	1.407	0.0100	54800	50000	9.5	20.0
Caprolactam	Ave	0.0753	0.0830	0.0100	55100	50000	10.1	20.0
Atrazine	Ave	0.2129	0.2188	0.0100	51400	50000	2.8	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12518.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 04-Apr-2016 14:59:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039417-003
 Misc. Info.: CCV
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 13:05:08 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: zhaoc

Date: 04-Apr-2016 15:34:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.969	3.969	0.000	97	2692013	50.0	54.8	
* 14 1,4-Dichlorobenzene-d4	152	4.404	4.404	0.000	98	1530111	40.0	40.0	
* 38 Naphthalene-d8	136	5.687	5.687	0.000	99	5758706	40.0	40.0	
42 Caprolactam	113	6.104	6.104	0.000	92	597193	50.0	55.1	
* 65 Acenaphthene-d10	164	7.434	7.434	0.000	92	2678039	40.0	40.0	
84 Atrazine	200	8.622	8.622	0.000	93	992803	50.0	51.4	
* 88 Phenanthrene-d10	188	8.904	8.904	0.000	99	3629299	40.0	40.0	
* 102 Chrysene-d12	240	11.692	11.692	0.000	100	1753299	40.0	40.0	
* 109 Perylene-d12	264	13.639	13.639	0.000	98	1015792	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160404-39417.b\\x12518.D

Injection Date: 04-Apr-2016 14:59:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

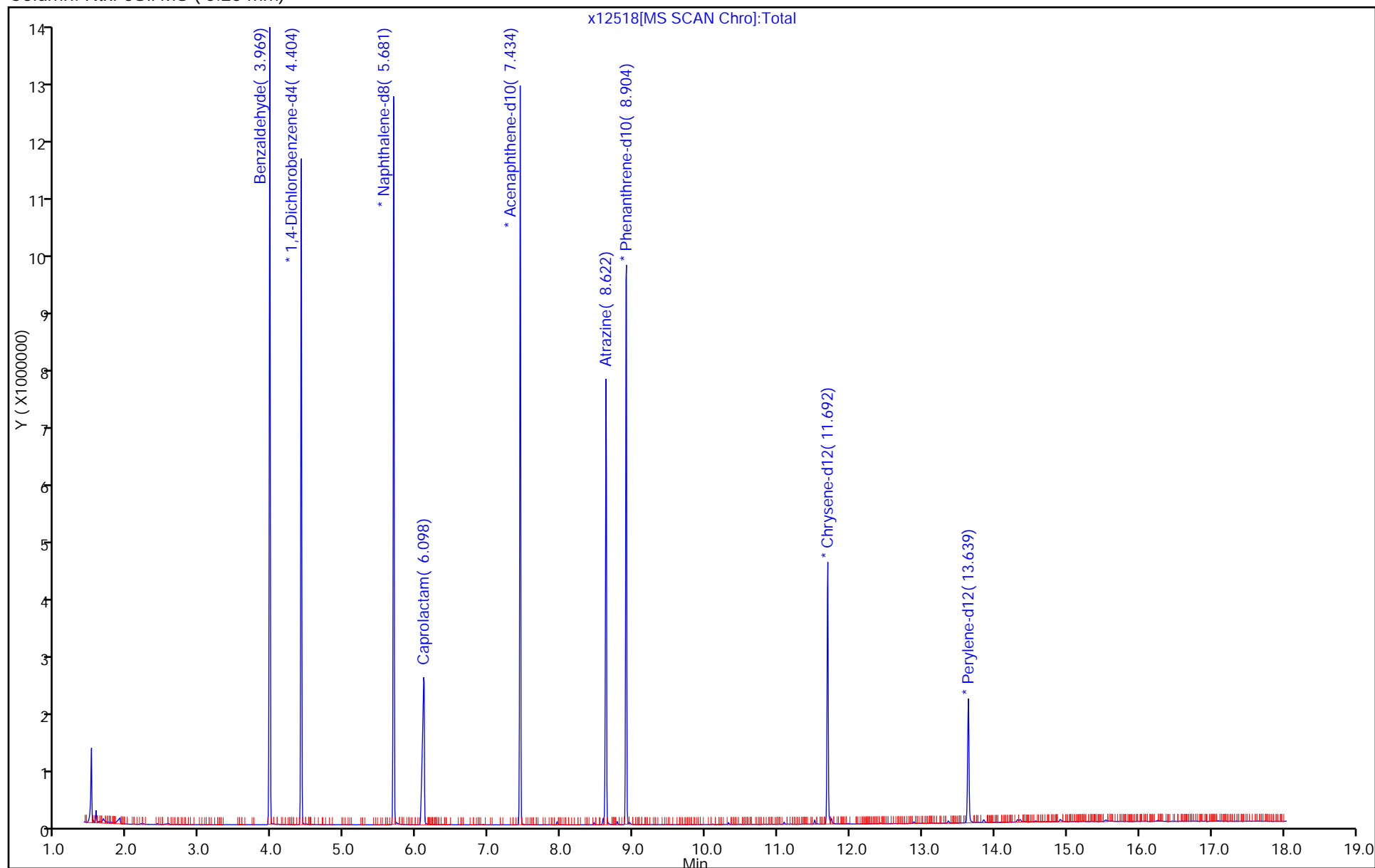
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Lab Sample ID: CCVIS 460-360719/2 Calibration Date: 04/05/2016 08:15

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12550a.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6841	0.7076	0.0100	51700	50000	3.4	20.0
N-Nitrosodimethylamine	Ave	0.8933	0.9323		52200	50000	4.4	20.0
Pyridine	Ave	1.599	1.687		52700	50000	5.5	20.0
Phenol	Ave	1.723	1.966	0.8000	57100	50000	14.1	20.0
Aniline	Ave	2.049	2.185		53300	50000	6.7	20.0
Bis(2-chloroethyl)ether	Ave	1.301	1.350	0.7000	51900	50000	3.8	20.0
2-Chlorophenol	Ave	1.377	1.407	0.8000	51100	50000	2.2	20.0
n-Decane	Ave	1.316	1.403	0.0100	53300	50000	6.7	20.0
1,3-Dichlorobenzene	Ave	1.577	1.640		52000	50000	4.0	20.0
1,4-Dichlorobenzene	Ave	1.604	1.650		51400	50000	2.9	20.0
Benzyl alcohol	Ave	0.7912	0.8163	0.0100	51600	50000	3.2	20.0
1,2-Dichlorobenzene	Ave	1.471	1.492		50700	50000	1.4	20.0
2-Methylphenol	Ave	1.172	1.215	0.7000	51900	50000	3.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.217	1.307	0.0100	53700	50000	7.3	20.0
Acetophenone	Ave	1.772	1.825	0.0100	51500	50000	3.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8908	0.9066	0.5000	50900	50000	1.8	20.0
3 & 4 Methylphenol	Ave	1.333	1.267		47500	50000	-5.0	20.0
4-Methylphenol	Ave	1.333	1.267	0.6000	47500	50000	-5.0	20.0
Hexachloroethane	Ave	0.6026	0.6307	0.3000	52300	50000	4.7	20.0
n,n'-Dimethylaniline	Ave	1.940	2.109	0.0100	54400	50000	8.7	20.0
Nitrobenzene	Ave	0.5835	0.6222	0.2000	53300	50000	6.6	20.0
Isophorone	Ave	0.6130	0.6026	0.4000	49100	50000	-1.7	20.0
2-Nitrophenol	Ave	0.1878	0.1851	0.1000	49300	50000	-1.4	20.0
2,4-Dimethylphenol	Ave	0.2983	0.3005	0.2000	50400	50000	0.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.3799	0.3790	0.3000	49900	50000	-0.2	20.0
Benzoic acid	Ave	0.1466	0.1280		43700	50000	-12.7	20.0
2,4-Dichlorophenol	Ave	0.2714	0.2691	0.2000	49600	50000	-0.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3235		50700	50000	1.4	20.0
Naphthalene	Ave	0.9474	1.025	0.7000	54100	50000	8.2	20.0
4-Chloroaniline	Ave	0.3953	0.3935	0.0100	49800	50000	-0.5	20.0
Hexachlorobutadiene	Ave	0.1932	0.1958	0.0100	50700	50000	1.3	20.0
4-Chloro-3-methylphenol	Ave	0.2594	0.2557		49300	50000	-1.4	20.0
2-Methylnaphthalene	Ave	0.6213	0.6397	0.4000	51500	50000	3.0	20.0
1-Methylnaphthalene	Ave	0.5289	0.5384	0.0100	50900	50000	1.8	20.0
Hexachlorocyclopentadiene	Ave	0.4406	0.4178	0.0500	47400	50000	-5.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6454	0.6682	0.0100	51800	50000	3.5	20.0
2-tertbutyl-4-methylphenol	Ave	0.4116	0.4217	0.0100	51200	50000	2.5	20.0
2,4,6-Trichlorophenol	Ave	0.3937	0.3960	0.2000	50300	50000	0.6	20.0
2,4,5-Trichlorophenol	Ave	0.3952	0.3970	0.2000	50200	50000	0.5	20.0
1,1'-Biphenyl	Ave	1.641	1.771	0.0100	54000	50000	7.9	20.0
2-Chloronaphthalene	Ave	1.270	1.311	0.8000	51600	50000	3.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Lab Sample ID: CCVIS 460-360719/2 Calibration Date: 04/05/2016 08:15

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12550a.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8566	0.8872	0.0100	51800	50000	3.6	20.0
2-Nitroaniline	Ave	0.4440	0.4687	0.0100	52800	50000	5.6	20.0
1,3-Dimethylnaphthalene	Ave	1.022	1.089	0.0100	53300	50000	6.6	20.0
Dimethyl phthalate	Ave	1.152	1.145	0.0100	49700	50000	-0.6	20.0
Coumarin	Ave	0.1425	0.1414	0.0100	49600	50000	-0.8	20.0
2,6-Dinitrotoluene	Ave	0.2616	0.2672	0.2000	51100	50000	2.1	20.0
Acenaphthylene	Ave	1.697	1.771	0.9000	52200	50000	4.4	20.0
3-Nitroaniline	Ave	0.2634	0.2625	0.0100	49800	50000	-0.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.225	1.287	0.0100	52600	50000	5.1	20.0
Acenaphthene	Ave	1.210	1.184	0.9000	49000	50000	-2.1	20.0
2,4-Dinitrophenol	Lin2		0.1316	0.0100	86100	100000	-13.9	20.0
4-Nitrophenol	Ave	0.2017	0.1992	0.0100	98800	100000	-1.2	20.0
2,4-Dinitrotoluene	Ave	0.3043	0.3231	0.2000	53100	50000	6.2	20.0
Dibenzofuran	Ave	1.520	1.594	0.8000	52400	50000	4.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2685	0.2648	0.0100	49300	50000	-1.4	20.0
Diethyl phthalate	Ave	1.030	1.059	0.0100	51400	50000	2.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5774	0.6056	0.4000	52400	50000	4.9	20.0
Fluorene	Ave	1.187	1.254	0.9000	52800	50000	5.6	20.0
4-Nitroaniline	Ave	0.2321	0.2317	0.0100	49900	50000	-0.2	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1361	0.0100	90100	100000	-9.9	20.0
N-Nitrosodiphenylamine	Ave	0.6640	0.6839	0.0100	103000	100000	3.0	20.0
1,2-Diphenylhydrazine	Ave	1.016	1.049	0.0100	51600	50000	3.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2359	0.2357	0.1000	50000	50000	-0.0	20.0
Hexachlorobenzene	Ave	0.2285	0.2383	0.1000	52100	50000	4.3	20.0
Pentachlorophenol	Ave	0.1391	0.1258	0.0500	90400	100000	-9.6	20.0
Pentachloronitrobenzene	Ave	0.0987	0.1055	0.0100	53400	50000	6.9	20.0
n-Octadecane	Ave	0.5337	0.5979	0.0100	56000	50000	12.0	20.0
Phenanthrene	Ave	1.141	1.153	0.7000	50500	50000	1.0	20.0
Anthracene	Ave	1.152	1.174	0.7000	50900	50000	1.9	20.0
Carbazole	Ave	0.9010	0.9148	0.0100	50800	50000	1.5	20.0
Di-n-butyl phthalate	Ave	1.094	1.145	0.0100	52300	50000	4.7	20.0
Fluoranthene	Ave	0.9272	0.9527	0.6000	51400	50000	2.7	20.0
Benzidine	Qua		0.3838		47800	50000	-4.4	20.0
Pyrene	Ave	1.708	1.755	0.6000	51400	50000	2.7	20.0
Bisphenol-A	Ave	0.6761	0.5794		42800	50000	-14.3	20.0
Butyl benzyl phthalate	Ave	0.6498	0.6744	0.0100	51900	50000	3.8	20.0
2,3,7,8-TCDD	Ave	0.1445	0.1693	0.0100	586	500	17.1	20.0
Carbamazepine	Ave	0.5064	0.3972	0.0100	39200	50000	-21.6*	20.0
3,3'-Dichlorobenzidine	Ave	0.4005	0.4098	0.0100	51200	50000	2.3	20.0
Benzo[a]anthracene	Ave	1.255	1.239	0.8000	49400	50000	-1.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-360719/2 Calibration Date: 04/05/2016 08:15
 Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35
 Lab File ID: x12550a.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	0.8482	0.9312	0.0100	54900	50000	9.8	20.0
Chrysene	Ave	1.110	1.127	0.7000	50800	50000	1.6	20.0
Di-n-octyl phthalate	Ave	1.624	1.809	0.0100	55700	50000	11.4	20.0
Benzo[b]fluoranthene	Ave	1.249	1.268	0.7000	50800	50000	1.6	20.0
Benzo[k]fluoranthene	Ave	1.320	1.373	0.7000	52000	50000	4.0	20.0
Benzo[a]pyrene	Ave	1.146	1.181	0.7000	51500	50000	3.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9671	0.9789	0.5000	50600	50000	1.2	20.0
Dibenz(a,h)anthracene	Ave	0.9827	0.9869	0.4000	50200	50000	0.4	20.0
Benzo[g,h,i]perylene	Ave	0.9848	0.9910	0.5000	50300	50000	0.6	20.0
2-Fluorophenol (Surr)	Ave	1.474	1.581	0.0100	53600	50000	7.3	20.0
Phenol-d5 (Surr)	Ave	1.656	1.774	0.0100	53500	50000	7.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4220	0.4557	0.0100	54000	50000	8.0	20.0
2-Fluorobiphenyl	Ave	1.502	1.668	0.0100	55500	50000	11.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1406	0.1507	0.0100	53600	50000	7.2	20.0
Terphenyl-d14 (Surr)	Ave	1.180	1.276	0.0100	54100	50000	8.1	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12550a.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 05-Apr-2016 08:15:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-002
 Misc. Info.: CCVIS
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:51:21 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: asfawa

Date: 05-Apr-2016 09:07:18

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	1.687	1.687	0.000	92	1444289	50.0	51.7	
2 N-Nitrosodimethylamine	74	1.928	1.928	0.000	87	1903021	50.0	52.2	
3 Pyridine	79	1.951	1.951	0.000	96	3442713	50.0	52.7	
\$ 4 2-Fluorophenol	112	3.087	3.087	0.000	94	3228118	50.0	53.6	
\$ 6 Phenol-d5	99	4.022	4.022	0.000	98	3620126	50.0	53.5	
7 Phenol	94	4.034	4.034	0.000	96	4012840	50.0	57.1	
8 Aniline	93	4.040	4.040	0.000	91	4460961	50.0	53.3	
9 Bis(2-chloroethyl)ether	93	4.110	4.110	0.000	99	2754621	50.0	51.9	
10 Benzonitrile	103	4.134	4.134	0.000	66	5383864	NC	NC	
11 2-Chlorophenol	128	4.163	4.163	0.000	94	2872118	50.0	51.1	
12 n-Decane	43	4.216	4.216	0.000	86	2864725	50.0	53.3	
13 1,3-Dichlorobenzene	146	4.316	4.316	0.000	94	3347885	50.0	52.0	
* 14 1,4-Dichlorobenzene-d4	152	4.369	4.369	0.000	98	1632978	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.387	4.387	0.000	92	3367407	50.0	51.4	
16 Benzyl alcohol	108	4.516	4.516	0.000	91	1666331	50.0	51.6	
17 1,2-Dichlorobenzene	146	4.540	4.540	0.000	93	3045795	50.0	50.7	
18 2-Methylphenol	108	4.634	4.634	0.000	89	2480813	50.0	51.9	
19 2,2'-oxybis[1-chloropropan	45	4.651	4.651	0.000	91	2667060	50.0	53.7	
21 Acetophenone	105	4.787	4.787	0.000	96	3724628	50.0	51.5	
22 N-Nitrosodi-n-propylamine	70	4.787	4.787	0.000	88	1850654	50.0	50.9	
23 3 & 4 Methylphenol	108	4.798	4.798	0.000	94	2585706	50.0	47.5	
24 4-Methylphenol	108	4.798	4.798	0.000	92	2585706	50.0	47.5	
20 N-Methylaniline	106	4.804	4.804	0.000	43	11399	NC	NC	
25 Hexachloroethane	117	4.881	4.881	0.000	95	1287318	50.0	52.3	
\$ 26 Nitrobenzene-d5	82	4.934	4.934	0.000	88	3149079	50.0	54.0	
28 Nitrobenzene	77	4.957	4.957	0.000	96	4299441	50.0	53.3	
27 n,n'-Dimethylaniline	120	4.957	4.957	0.000	89	4305920	50.0	54.4	
31 Isophorone	82	5.198	5.198	0.000	100	4164290	50.0	49.1	
32 2-Nitrophenol	139	5.269	5.269	0.000	85	1279118	50.0	49.3	
33 2,4-Dimethylphenol	122	5.328	5.328	0.000	89	2076652	50.0	50.4	

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	5.416	5.416	0.000	99	2619405	50.0	49.9	
35 Benzoic acid	122	5.463	5.463	0.000	89	884836	50.0	43.7	
36 2,4-Dichlorophenol	162	5.516	5.516	0.000	94	1859625	50.0	49.6	
37 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	94	2235225	50.0	50.7	
* 38 Naphthalene-d8	136	5.651	5.651	0.000	100	5528483	40.0	40.0	
39 Naphthalene	128	5.675	5.675	0.000	99	7083063	50.0	54.1	e
40 4-Chloroaniline	127	5.734	5.734	0.000	96	2719346	50.0	49.8	
41 Hexachlorobutadiene	225	5.804	5.804	0.000	94	1352769	50.0	50.7	
43 4-Chloro-3-methylphenol	107	6.228	6.228	0.000	95	1767323	50.0	49.3	
44 2-Methylnaphthalene	142	6.369	6.369	0.000	86	4420470	50.0	51.5	
45 1-Methylnaphthalene	142	6.469	6.469	0.000	93	3720423	50.0	50.9	
46 Hexachlorocyclopentadiene	237	6.534	6.534	0.000	95	1143769	50.0	47.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.539	6.539	0.000	95	1829351	50.0	51.8	
48 2-tertbutyl-4-methylphenol	149	6.581	6.581	0.000	90	2914175	50.0	51.2	
49 2,4,6-Trichlorophenol	196	6.657	6.657	0.000	87	1084208	50.0	50.3	
50 2,4,5-Trichlorophenol	196	6.692	6.692	0.000	94	1086804	50.0	50.2	
\$ 51 2-Fluorobiphenyl	172	6.739	6.739	0.000	98	4565531	50.0	55.5	
52 1,1'-Biphenyl	154	6.833	6.833	0.000	95	4849307	50.0	54.0	
53 2-Chloronaphthalene	162	6.857	6.857	0.000	97	3589743	50.0	51.6	
54 Phenyl ether	170	6.939	6.939	0.000	87	2428969	50.0	51.8	
56 2-Nitroaniline	65	6.957	6.957	0.000	95	1283182	50.0	52.8	
57 1,3-Dimethylnaphthalene	156	7.075	7.075	0.000	91	2981430	50.0	53.3	
58 Dimethyl phthalate	163	7.145	7.145	0.000	98	3133787	50.0	49.7	
59 Coumarin	146	7.163	7.163	0.000	74	977450	50.0	49.6	
60 2,6-Dinitrotoluene	165	7.198	7.198	0.000	93	731598	50.0	51.1	
61 Acenaphthylene	152	7.263	7.263	0.000	98	4848119	50.0	52.2	
64 3-Nitroaniline	138	7.369	7.369	0.000	91	718763	50.0	49.8	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	2190243	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.433	7.433	0.000	97	3523742	50.0	52.6	
67 Acenaphthene	154	7.439	7.439	0.000	94	3242187	50.0	49.0	
68 2,4-Dinitrophenol	184	7.469	7.469	0.000	94	720755	100.0	86.1	
69 4-Nitrophenol	65	7.551	7.551	0.000	93	1090837	100.0	98.8	
70 2,4-Dinitrotoluene	165	7.598	7.598	0.000	91	884622	50.0	53.1	
71 Dibenzofuran	168	7.610	7.610	0.000	95	4363108	50.0	52.4	
72 2,3,4,6-Tetrachlorophenol	232	7.733	7.733	0.000	91	725009	50.0	49.3	
73 Diethyl phthalate	149	7.845	7.845	0.000	97	2899608	50.0	51.4	
75 Fluorene	166	7.945	7.945	0.000	94	3433458	50.0	52.8	
74 4-Chlorophenyl phenyl ethe	204	7.945	7.945	0.000	78	1657988	50.0	52.4	
76 4-Nitroaniline	138	7.975	7.975	0.000	91	634337	50.0	49.9	
77 4,6-Dinitro-2-methylphenol	198	8.004	8.004	0.000	82	910393	100.0	90.1	
78 N-Nitrosodiphenylamine	169	8.069	8.069	0.000	66	4573139	100.0	103.0	
79 1,2-Diphenylhydrazine	77	8.104	8.104	0.000	97	3506852	50.0	51.6	
\$ 80 2,4,6-Tribromophenol	330	8.186	8.186	0.000	92	412569	50.0	53.6	
81 4-Bromophenyl phenyl ether	248	8.428	8.428	0.000	83	788131	50.0	50.0	
83 Hexachlorobenzene	284	8.498	8.498	0.000	99	796828	50.0	52.1	
85 Pentachlorophenol	266	8.692	8.692	0.000	91	841181	100.0	90.4	
86 Pentachloronitrobenzene	237	8.704	8.704	0.000	86	352817	50.0	53.4	
87 n-Octadecane	57	8.775	8.775	0.000	91	1999178	50.0	56.0	
* 88 Phenanthrene-d10	188	8.869	8.869	0.000	99	2674893	40.0	40.0	
89 Phenanthrene	178	8.892	8.892	0.000	98	3856062	50.0	50.5	
90 Anthracene	178	8.945	8.945	0.000	99	3925228	50.0	50.9	
91 Carbazole	167	9.104	9.104	0.000	96	3058820	50.0	50.8	

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	9.451	9.451	0.000	99	3828106	50.0	52.3	
93 Fluoranthene	202	10.063	10.063	0.000	98	3185519	50.0	51.4	
94 Benzidine	184	10.198	10.198	0.000	99	1283179	50.0	47.8	
95 Pyrene	202	10.286	10.286	0.000	97	3114376	50.0	51.4	
82 Bisphenol-A	213	10.345	10.345	0.000	99	1028372	50.0	42.8	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	2265242	50.0	54.1	
97 Butyl benzyl phthalate	149	10.969	10.969	0.000	97	1197111	50.0	51.9	
98 2,3,7,8-TCDD	320	11.080	11.080	0.000	54	3005	0.5000	0.5857	
99 Carbamazepine	193	11.092	11.092	0.000	92	704966	50.0	39.2	
100 3,3'-Dichlorobenzidine	252	11.586	11.586	0.000	99	727351	50.0	51.2	
101 Benzo[a]anthracene	228	11.616	11.616	0.000	98	2198744	50.0	49.4	
* 102 Chrysene-d12	240	11.627	11.627	0.000	99	1420001	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.663	11.663	0.000	89	1652802	50.0	54.9	
103 Chrysene	228	11.663	11.663	0.000	99	2000646	50.0	50.8	
105 Di-n-octyl phthalate	149	12.521	12.521	0.000	97	2353909	50.0	55.7	
106 Benzo[b]fluoranthene	252	13.021	13.021	0.000	99	1650080	50.0	50.8	
107 Benzo[k]fluoranthene	252	13.057	13.057	0.000	99	1787204	50.0	52.0	
108 Benzo[a]pyrene	252	13.462	13.462	0.000	97	1536304	50.0	51.5	
* 109 Perylene-d12	264	13.539	13.539	0.000	98	1041016	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.045	15.045	0.000	99	1273746	50.0	50.6	
111 Dibenz(a,h)anthracene	278	15.086	15.086	0.000	97	1284266	50.0	50.2	
112 Benzo[g,h,i]perylene	276	15.462	15.462	0.000	97	1289556	50.0	50.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

e - Potential Peak Saturated

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12550a.D

Injection Date: 05-Apr-2016 08:15:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

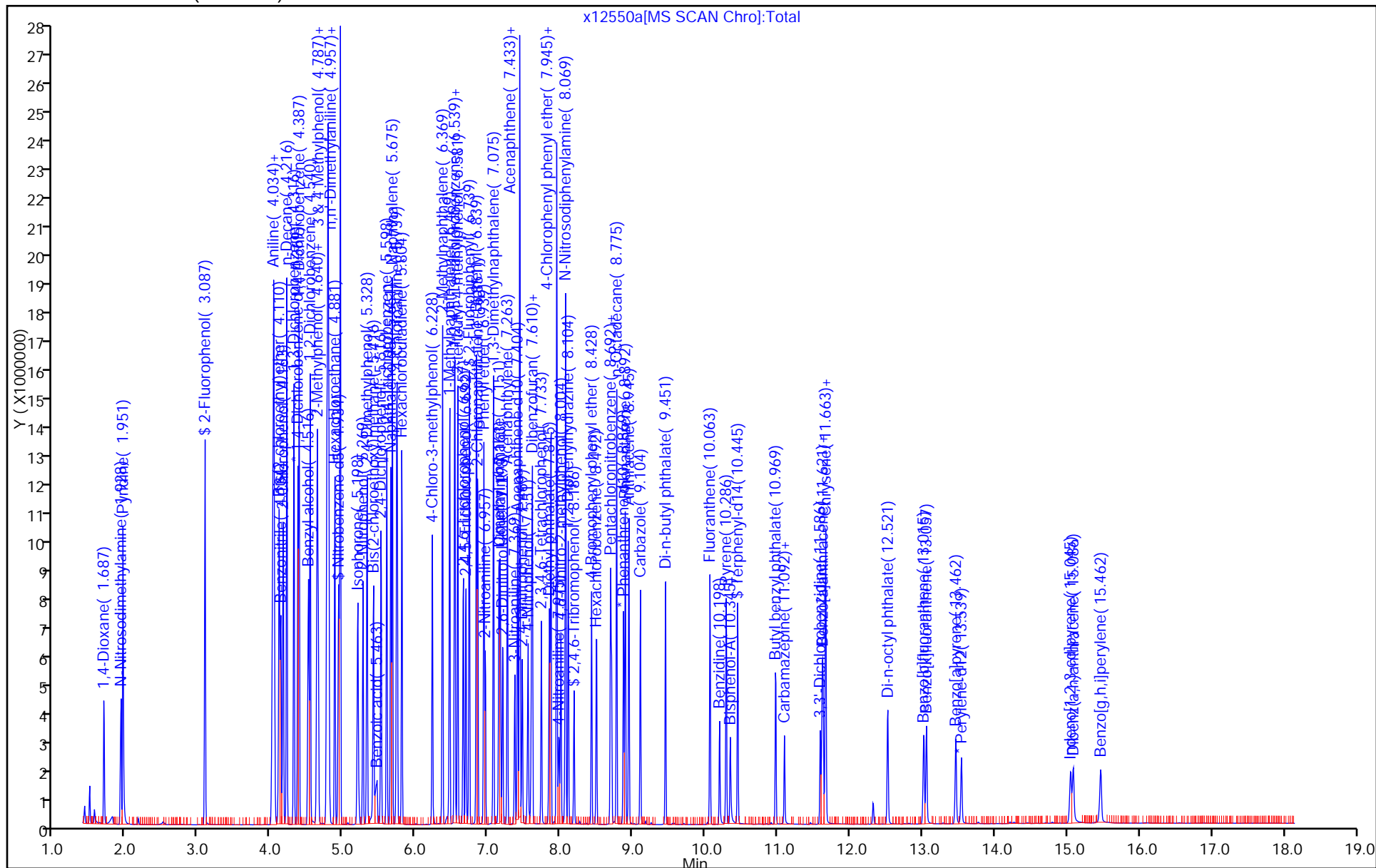
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111006-1
SDG No.: _____
Lab Sample ID: CCV 460-360719/3 Calibration Date: 04/05/2016 08:45
Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 08:00
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 10:26
Lab File ID: x12551.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.285	1.367	0.0100	53200	50000	6.4	20.0
Caprolactam	Ave	0.0753	0.0688	0.0100	45700	50000	-8.7	20.0
Atrazine	Ave	0.2129	0.2103	0.0100	49400	50000	-1.2	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12551.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 05-Apr-2016 08:45:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-003
 Misc. Info.: CCV
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:51:31 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: croccom

Date: 05-Apr-2016 13:31:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.928	3.928	0.000	97	3269828	50.0	53.2	
* 14 1,4-Dichlorobenzene-d4	152	4.369	4.369	0.000	98	1913340	40.0	40.0	
* 38 Naphthalene-d8	136	5.651	5.651	0.000	99	7093862	40.0	40.0	
42 Caprolactam	113	6.069	6.069	0.000	93	610256	50.0	45.7	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	3070595	40.0	40.0	
84 Atrazine	200	8.598	8.598	0.000	95	986244	50.0	49.4	
* 88 Phenanthrene-d10	188	8.869	8.869	0.000	99	3751876	40.0	40.0	
* 102 Chrysene-d12	240	11.622	11.622	0.000	100	1809057	40.0	40.0	
* 109 Perylene-d12	264	13.533	13.533	0.000	98	1271412	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

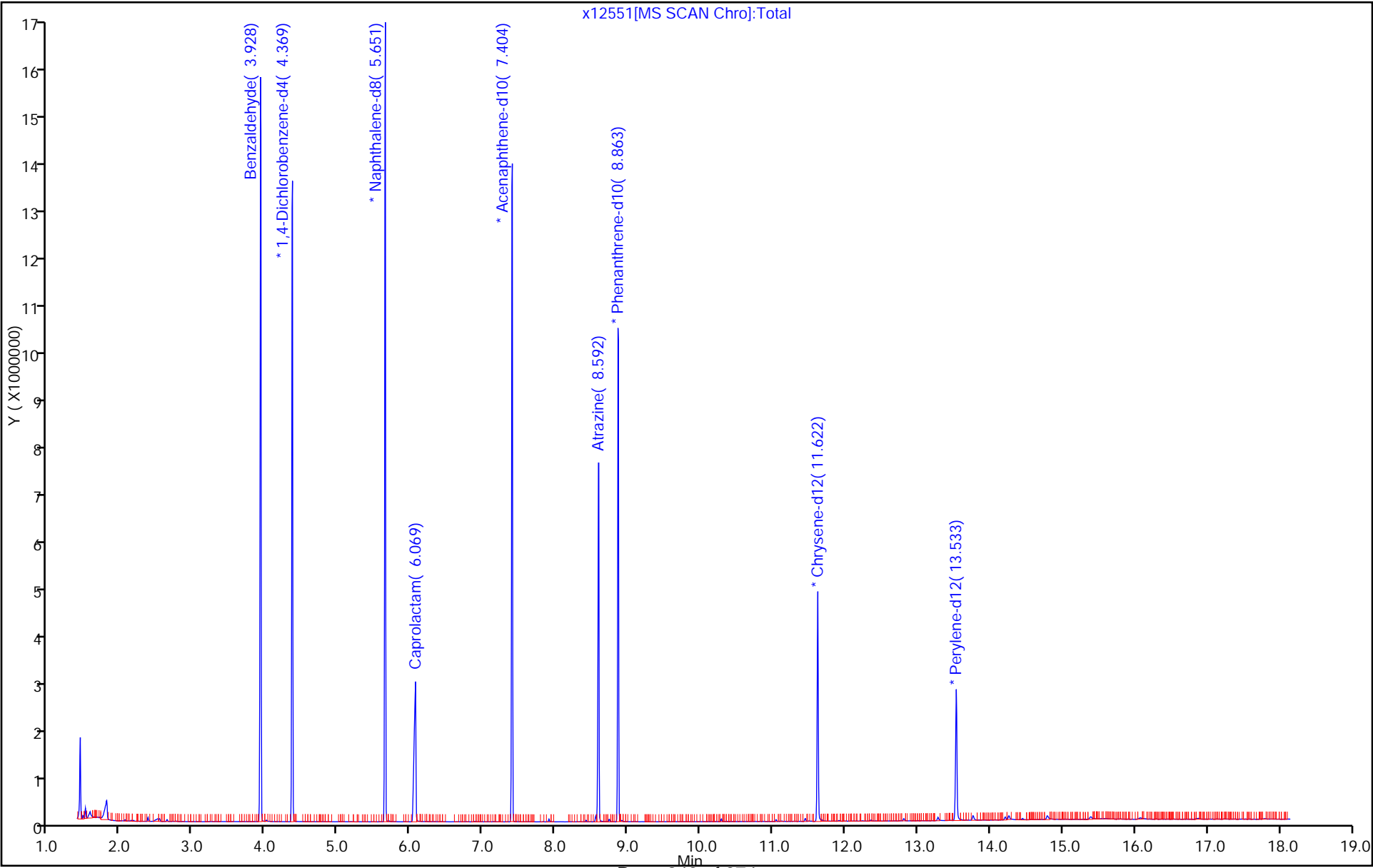
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\x12551.D
Injection Date: 05-Apr-2016 08:45:30 Instrument ID: CBNAMS5
Lims ID: ccv
Client ID:
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm)

Operator ID:
Worklist Smp#: 3
ALS Bottle#: 3



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 06-Apr-2016 12:25:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039535-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 07-Apr-2016 00:06:23 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: zhaoc

Date: 06-Apr-2016 13:06:20

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	5.392	5.392	0.000	92	42036	NR	NR	
56 Benzidine_T	184	7.228	7.228	0.000	99	234726	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.904	7.904	0.000	95	2638		NR	
127 4,4'-DDT	235	8.222	8.222	0.000	98	108351	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

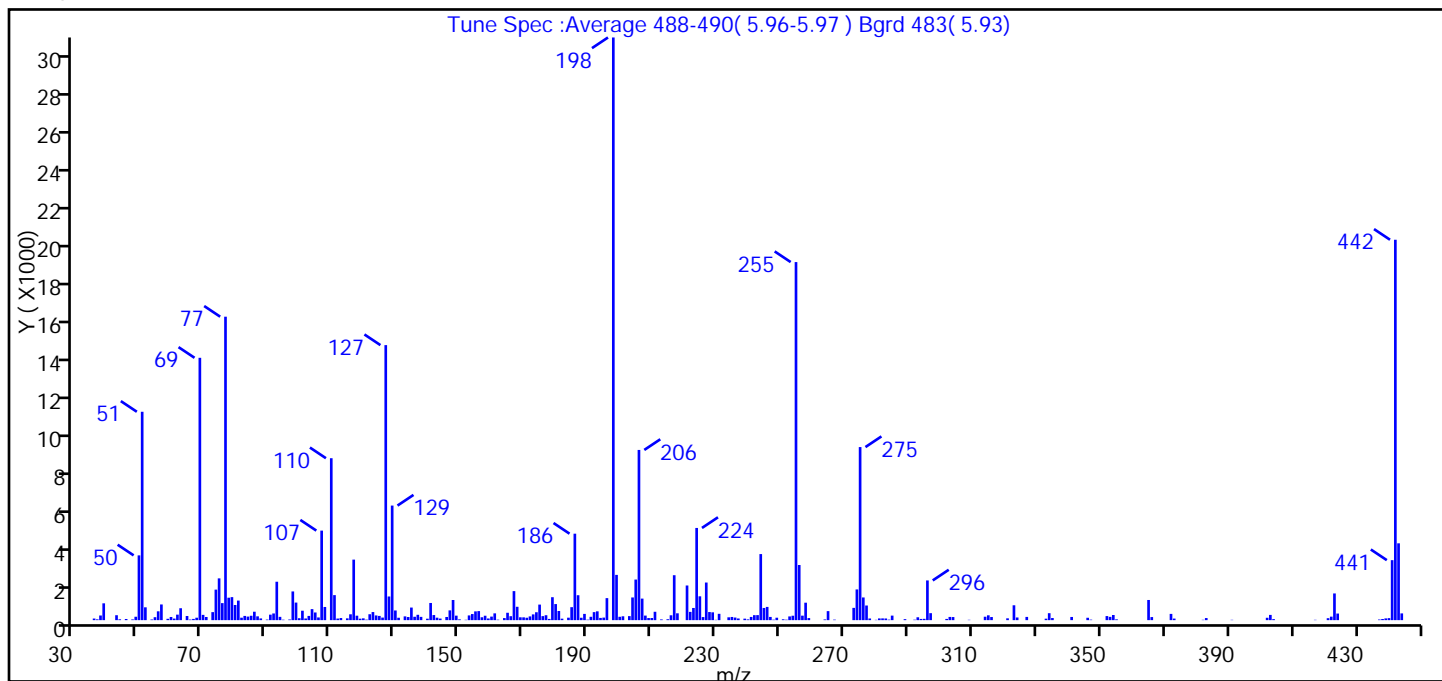
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Injection Date: 06-Apr-2016 12:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
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	35.8
68	<2% of mass 69	0.4 (0.9)
69	Present	45.0
70	<2% of mass 69	0.9 (2.0)
127	40-60% of mass 198	47.2
197	<1% of mass 198	0.0
199	5-9% of mass 198	7.8
275	10-30% of mass 198	29.7
365	>1% of mass 198	3.5
441	Present but less than mass 443	10.3 (78.1)
442	>40% of mass 198	65.3
443	17-23% of mass 442	13.2 (20.2)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D\8270_11R_9.rslt\spectra.d
Injection Date: 06-Apr-2016 12:25:30
Spectrum: Tune Spec :Average 488-490(5.96-5.97) Bgrd 483(5.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 261

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	84	115.00	94	187.00	1304	273.00	642
37.00	42	116.00	306	188.00	125	274.00	1607
38.00	243	117.00	3167	189.00	327	275.00	9056
39.00	880	118.00	233	190.00	25	276.00	1187
43.00	258	119.00	77	191.00	175	277.00	766
44.00	45	120.00	94	192.00	419	278.00	87
46.00	60	121.00	27	193.00	461	280.00	16
48.00	38	122.00	309	194.00	117	281.00	90
49.00	178	123.00	423	195.00	133	282.00	92
50.00	3389	124.00	246	196.00	1152	283.00	87
51.00	10903	125.00	221	198.00	30488	284.00	27
52.00	671	126.00	134	199.00	2368	285.00	237
54.00	34	127.00	14391	200.00	176	289.00	52
55.00	154	128.00	1238	201.00	202	292.00	24
56.00	462	129.00	5995	203.00	211	293.00	150
57.00	821	130.00	506	204.00	1187	294.00	63
59.00	70	131.00	125	205.00	2124	295.00	69
60.00	165	133.00	197	206.00	8906	296.00	2078
61.00	82	134.00	163	207.00	1127	297.00	365
62.00	288	135.00	659	208.00	238	302.00	64
63.00	623	136.00	177	209.00	110	303.00	168
65.00	217	137.00	280	210.00	112	304.00	162
66.00	30	138.00	171	211.00	438	309.00	18
67.00	64	140.00	76	213.00	38	314.00	179
68.00	127	141.00	898	215.00	48	315.00	253
69.00	13727	142.00	266	216.00	254	316.00	163
70.00	276	143.00	128	217.00	2351	321.00	95
71.00	165	144.00	83	218.00	358	323.00	778
73.00	419	146.00	166	221.00	1813	324.00	139
74.00	1597	147.00	511	222.00	432	327.00	169
75.00	2186	148.00	1054	223.00	637	333.00	77
76.00	891	149.00	235	224.00	4824	334.00	364
77.00	15878	150.00	42	225.00	1247	335.00	111

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D\8270_11R_9.rsl\spectra.d

Injection Date: 06-Apr-2016 12:25:30

Spectrum: Tune Spec :Average 488-490(5.96-5.97) Bgrd 483(5.93)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 261

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	1174	152.00	18	226.00	161	341.00	166
79.00	1204	153.00	247	227.00	1968	346.00	124
80.00	793	154.00	319	228.00	424	347.00	26
81.00	1024	155.00	459	229.00	409	352.00	213
82.00	128	156.00	473	230.00	16	353.00	172
83.00	221	157.00	151	231.00	331	354.00	269
84.00	186	158.00	231	234.00	148	355.00	42
85.00	229	159.00	87	235.00	166	365.00	1055
86.00	441	160.00	185	236.00	136	366.00	161
87.00	199	161.00	355	237.00	87	372.00	327
88.00	90	162.00	25	239.00	78	373.00	82
90.00	29	164.00	108	240.00	40	382.00	18
91.00	287	165.00	386	241.00	167	383.00	109
92.00	350	166.00	207	242.00	261	391.00	17
93.00	2010	167.00	1519	243.00	263	402.00	124
94.00	172	168.00	699	244.00	3457	403.00	274
95.00	23	169.00	149	245.00	637	404.00	53
97.00	34	170.00	147	246.00	692	417.00	17
98.00	1502	171.00	126	247.00	168	421.00	102
99.00	919	172.00	196	248.00	24	422.00	183
100.00	101	173.00	301	249.00	127	423.00	1397
101.00	493	174.00	413	251.00	45	424.00	345
102.00	87	175.00	814	252.00	24	437.00	33
103.00	221	176.00	210	253.00	195	438.00	60
104.00	577	177.00	257	254.00	231	439.00	91
105.00	401	178.00	64	255.00	18736	440.00	105
106.00	141	179.00	1200	256.00	2885	441.00	3139
107.00	4685	180.00	841	257.00	235	442.00	19904
108.00	689	181.00	478	258.00	913	443.00	4020
110.00	8473	182.00	77	259.00	108	444.00	353
111.00	1309	184.00	129	264.00	37		
112.00	83	185.00	679	265.00	472		
113.00	110	186.00	4524	267.00	27		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Injection Date: 06-Apr-2016 12:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

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

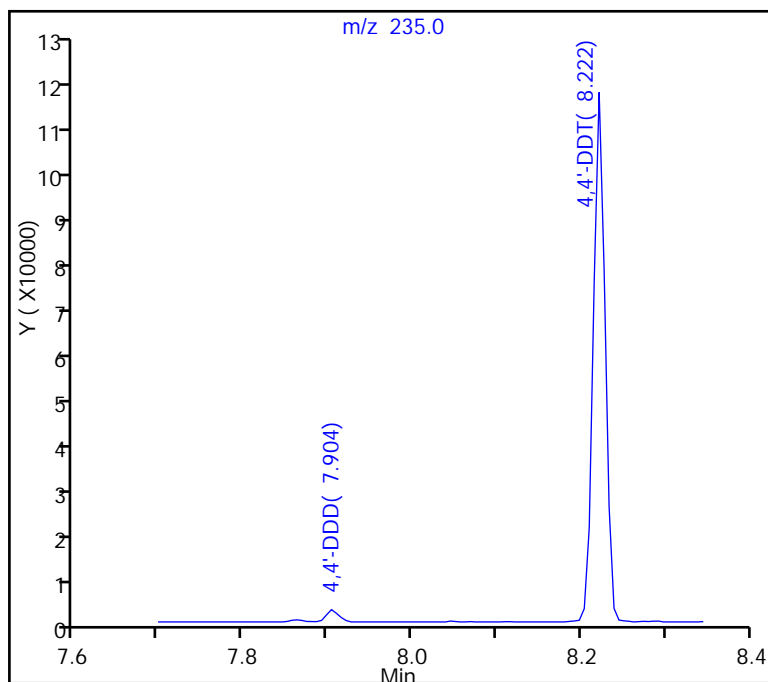
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 108351

126 4,4'-DDD, Area = 2638

125 4,4'-DDE, Area = 0

%Breakdown: 2.38%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Injection Date: 06-Apr-2016 12:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

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

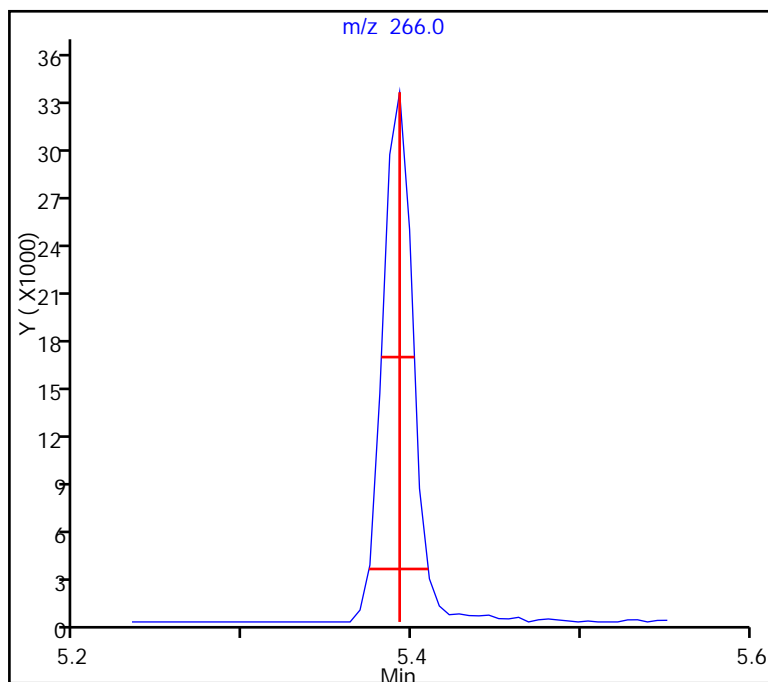
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.017 (min.)

Front Width = 0.018 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178270.D
Injection Date: 06-Apr-2016 12:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

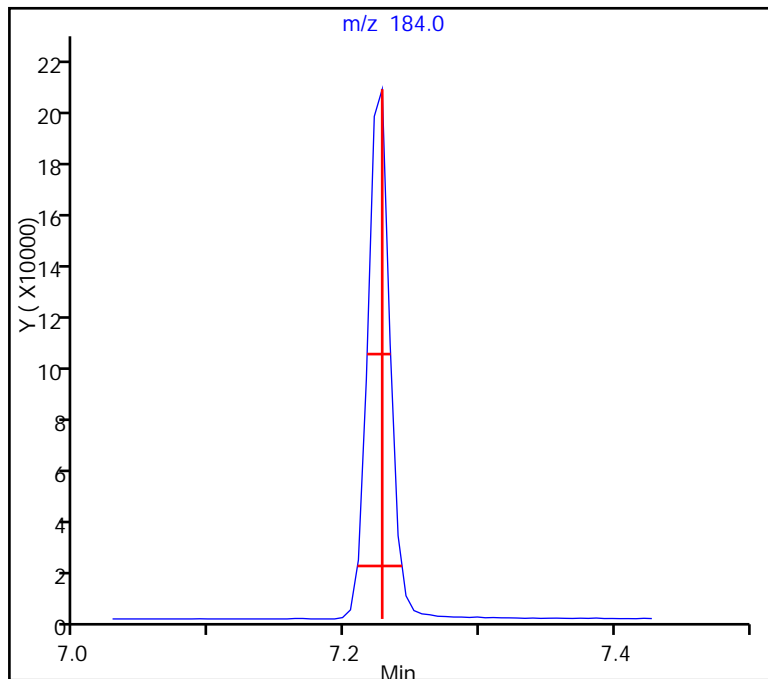
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.015 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178450.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 11-Apr-2016 07:34:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039691-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 13:34:21 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: manlangitf

Date: 11-Apr-2016 08:05:17

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	5.151	5.151	0.000	93	29465	NR	NR	
56 Benzidine_T	184	6.987	6.987	0.000	99	212678	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.657	7.657	0.000	93	2619		NR	
127 4,4'-DDT	235	7.981	7.981	0.000	99	97249	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

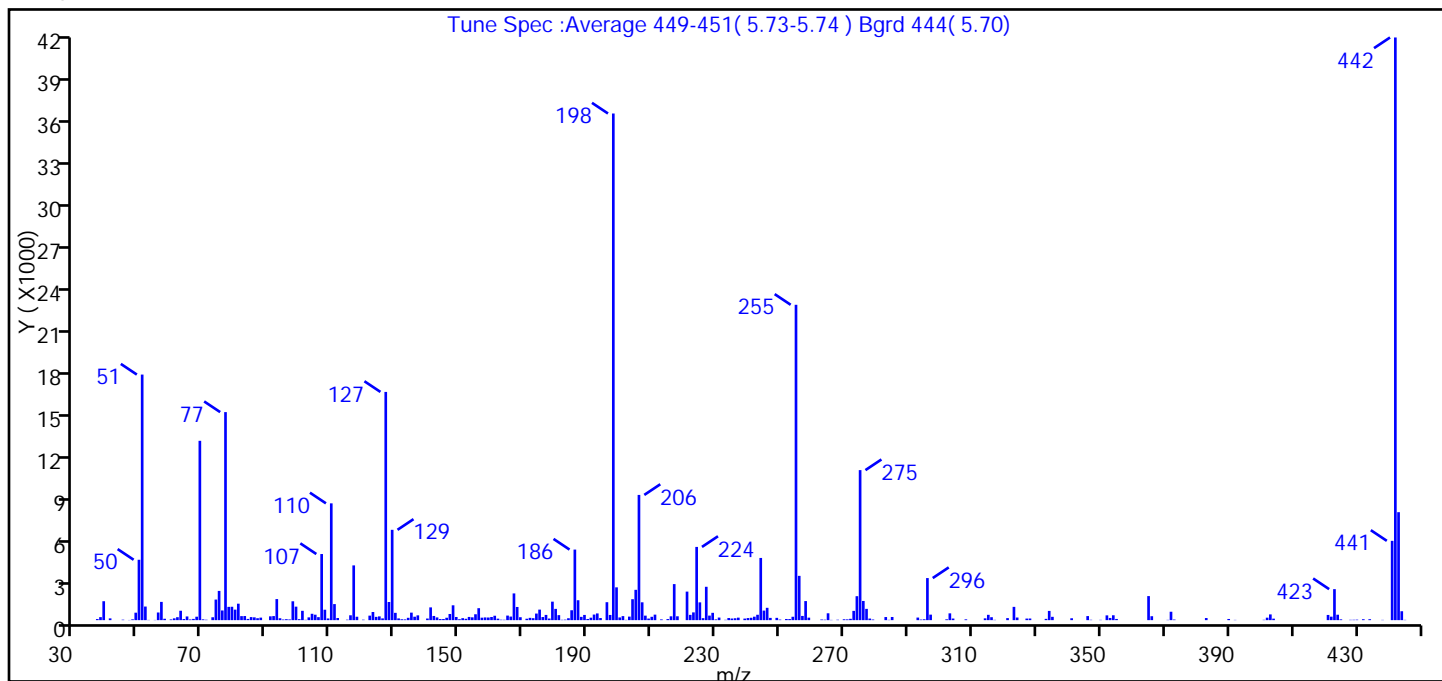
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178450.D
Injection Date: 11-Apr-2016 07:34:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
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	48.5
68	<2% of mass 69	0.7 (1.9)
69	Present	35.4
70	<2% of mass 69	0.2 (0.4)
127	40-60% of mass 198	45.0
197	<1% of mass 198	1.0
199	5-9% of mass 198	6.5
275	10-30% of mass 198	29.6
365	>1% of mass 198	4.7
441	Present but less than mass 443	15.7 (73.5)
442	>40% of mass 198	115.0
443	17-23% of mass 442	21.3 (18.5)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178450.D\8270_11R_9.rsl\spectra.d
Injection Date: 11-Apr-2016 07:34:30
Spectrum: Tune Spec :Average 449-451(5.73-5.74) Bgrd 444(5.70)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	78	117.00	3929	190.00	84	272.00	96
38.00	216	118.00	245	191.00	175	273.00	665
39.00	1358	120.00	33	192.00	401	274.00	1719
41.00	127	122.00	323	193.00	482	275.00	10767
45.00	33	123.00	584	194.00	151	276.00	1376
47.00	13	124.00	235	196.00	1288	277.00	809
48.00	58	125.00	270	197.00	372	278.00	114
49.00	535	126.00	127	198.00	36360	279.00	44
50.00	4333	127.00	16379	199.00	2354	283.00	223
51.00	17624	128.00	1302	200.00	194	284.00	21
52.00	976	129.00	6482	201.00	289	285.00	226
53.00	16	130.00	524	202.00	20	293.00	185
55.00	15	131.00	124	203.00	254	294.00	41
56.00	549	132.00	62	204.00	1502	295.00	61
57.00	1310	133.00	53	205.00	2176	296.00	3020
58.00	100	134.00	168	206.00	8987	297.00	395
60.00	52	135.00	539	207.00	1280	302.00	59
61.00	129	136.00	246	208.00	323	303.00	488
62.00	211	137.00	344	209.00	114	304.00	115
63.00	674	140.00	116	210.00	240	308.00	58
64.00	79	141.00	916	211.00	395	314.00	129
65.00	265	142.00	300	213.00	53	315.00	382
66.00	49	143.00	195	215.00	78	316.00	211
67.00	89	144.00	77	216.00	275	317.00	21
68.00	247	145.00	80	217.00	2587	321.00	146
69.00	12870	146.00	172	218.00	277	323.00	953
70.00	57	147.00	442	221.00	2048	324.00	187
71.00	29	148.00	1065	222.00	379	327.00	113
73.00	207	149.00	227	223.00	557	328.00	117
74.00	1477	150.00	66	224.00	5255	333.00	92
75.00	2098	151.00	142	225.00	1276	334.00	662
76.00	695	152.00	97	226.00	142	335.00	238
77.00	14930	153.00	230	227.00	2394	341.00	135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	953	154.00	202	228.00	326	346.00	292
79.00	960	155.00	423	229.00	525	347.00	26
80.00	754	156.00	858	230.00	54	350.00	21
81.00	1181	157.00	177	231.00	185	352.00	343
82.00	288	158.00	195	233.00	23	353.00	157
83.00	295	159.00	189	234.00	151	354.00	350
84.00	88	160.00	226	235.00	117	355.00	85
85.00	219	161.00	316	236.00	136	365.00	1726
86.00	201	162.00	107	237.00	179	366.00	282
87.00	139	163.00	31	239.00	112	371.00	20
88.00	181	164.00	27	240.00	150	372.00	603
91.00	274	165.00	327	241.00	170	373.00	43
92.00	292	166.00	256	242.00	248	383.00	151
93.00	1512	167.00	1918	243.00	386	390.00	84
94.00	136	168.00	945	244.00	4464	392.00	18
95.00	44	169.00	210	245.00	685	401.00	25
96.00	69	171.00	102	246.00	885	402.00	177
97.00	50	172.00	164	247.00	162	403.00	412
98.00	1353	173.00	140	249.00	164	404.00	107
99.00	968	174.00	473	250.00	40	421.00	373
100.00	71	175.00	756	252.00	83	422.00	250
101.00	669	176.00	222	253.00	77	423.00	2225
102.00	22	177.00	375	254.00	243	424.00	389
103.00	199	178.00	116	255.00	22632	425.00	56
104.00	456	179.00	1327	256.00	3178	428.00	24
105.00	391	180.00	808	257.00	302	429.00	27
106.00	214	181.00	359	258.00	1368	430.00	35
107.00	4745	182.00	25	259.00	179	432.00	65
108.00	748	183.00	37	263.00	45	434.00	67
109.00	121	184.00	137	264.00	34	438.00	19
110.00	8382	185.00	710	265.00	492	441.00	5691
111.00	1152	186.00	5064	266.00	17	442.00	41816
112.00	154	187.00	1429	268.00	30	443.00	7748
115.00	33	188.00	235	270.00	62	444.00	640

Report Date: 11-Apr-2016 13:34:25

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178450.D\8270_11R_9.rslt\spectra.d

Injection Date: 11-Apr-2016 07:34:30

Spectrum: Tune Spec :Average 449-451(5.73-5.74) Bgrd 444(5.70)

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	349	189.00	374	271.00	55	445.00	20

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178450.D

Injection Date: 11-Apr-2016 07:34:30

Instrument ID: CBNAMS11

Lims ID: dftpp

Client ID:

Operator ID:

ALS Bottle#:

1

Worklist Smp#:

1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

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

SW-846 Method

%Breakdown =

$$\left(\frac{\text{Area Breakdown Cpnds}}{\text{Total Area Breakdown Cpnds}} \right) * 100$$

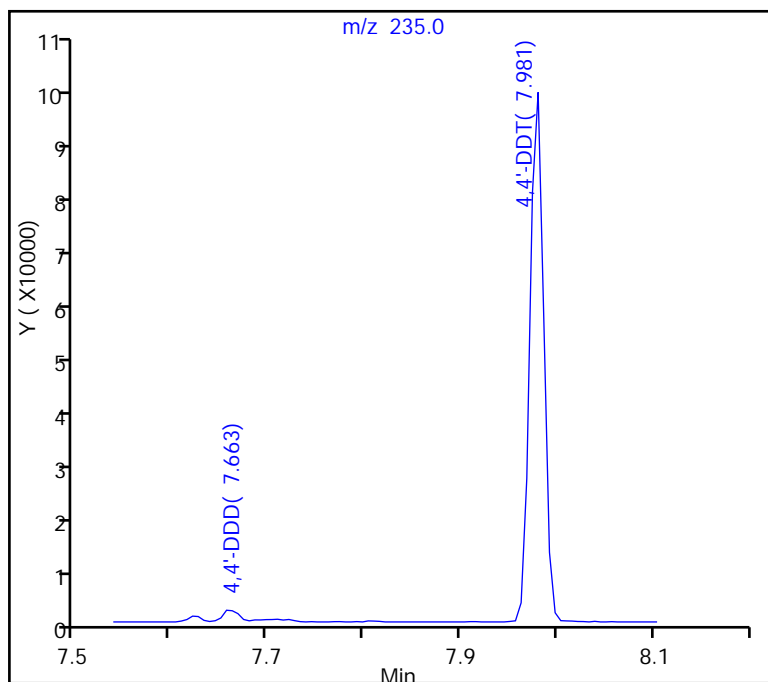
127 4,4'-DDT, Area = 97249

126 4,4'-DDD, Area = 2619

125 4,4'-DDE, Area = 0

%Breakdown: 2.62%, Max Limit: 20.00%

Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178450.D

Injection Date: 11-Apr-2016 07:34:30

Instrument ID: CBNAMS11

Lims ID: dftpp

Client ID:

Operator ID:

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =

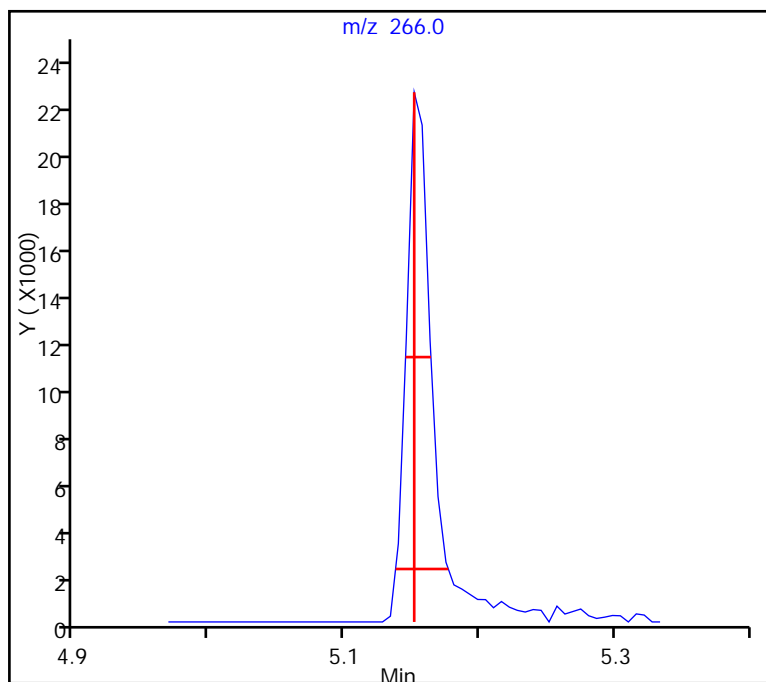
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.025 (min.)

Front Width = 0.014 (min.)

Tailing Factor = 1.8, Max. Tailing < 2.00

Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178450.D
Injection Date: 11-Apr-2016 07:34:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

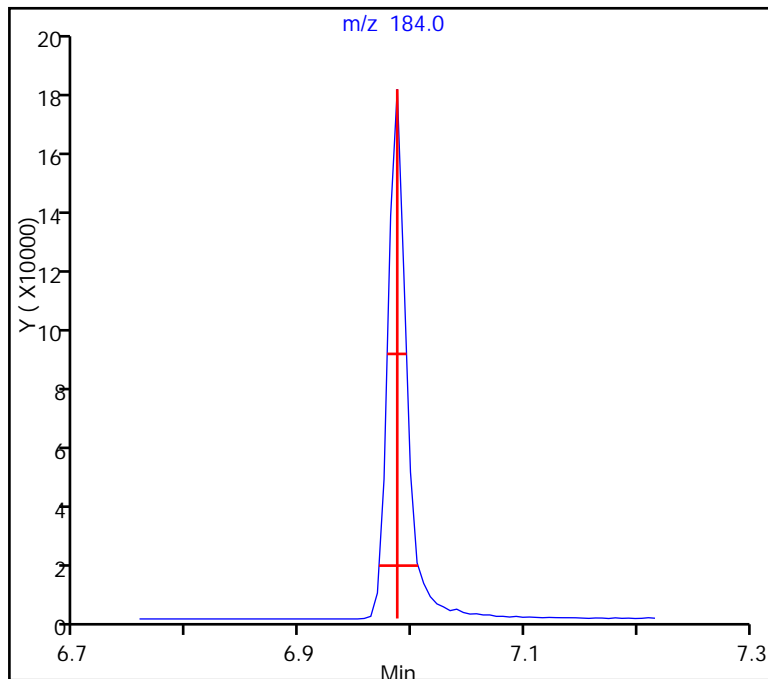
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.018 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 31-Mar-2016 04:03:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:22:46 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczech

Date: 31-Mar-2016 09:22:46

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	5.334	5.334	0.000	91	75455	NR	NR	
55 Benzidine_T	184	7.163	7.163	0.000	99	458980	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.845	7.845	0.000	94	6747		NR	M
127 4,4'-DDT	235	8.157	8.157	0.000	98	202869	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

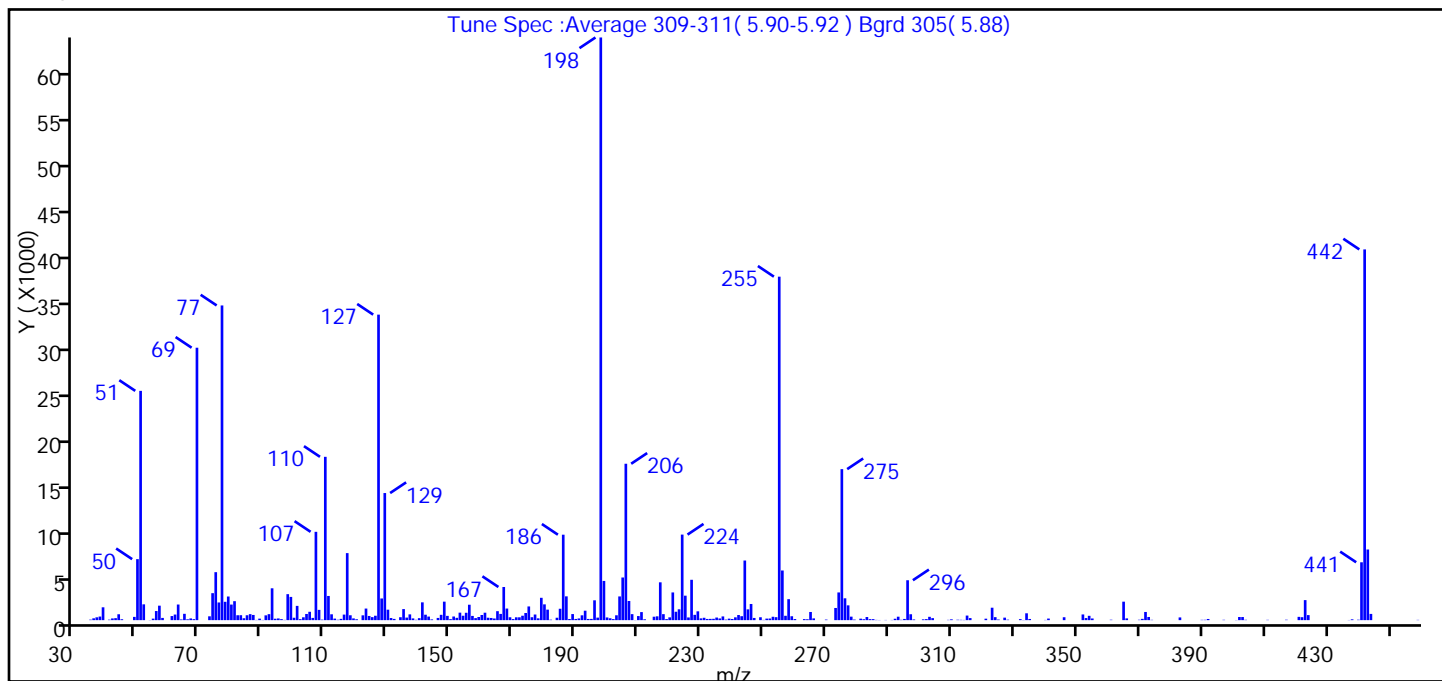
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
Injection Date: 31-Mar-2016 04:03:30 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	39.3
68	<2% of mass 69	0.2 (0.4)
69	Present	46.8
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	52.4
197	<1% of mass 198	0.4
199	5-9% of mass 198	6.7
275	10-30% of mass 198	25.9
365	>1% of mass 198	3.2
441	Present but less than mass 443	9.9 (81.9)
442	>40% of mass 198	63.6
443	17-23% of mass 442	12.1 (19.1)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D\8270_5R.rslt\spectra.d
Injection Date: 31-Mar-2016 04:03:30
Spectrum: Tune Spec :Average 309-311(5.90-5.92) Bgrd 305(5.88)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	55	119.00	190	197.00	277	282.00	101
36.00	200	120.00	97	198.00	63960	283.00	342
37.00	310	122.00	529	199.00	4303	284.00	111
38.00	394	123.00	1272	200.00	295	285.00	112
39.00	1410	124.00	459	201.00	206	286.00	27
41.00	54	125.00	330	202.00	115	287.00	18
42.00	188	126.00	483	203.00	533	289.00	22
43.00	219	127.00	33536	204.00	2603	291.00	23
44.00	646	128.00	2379	205.00	4681	292.00	154
45.00	99	129.00	13952	206.00	17168	293.00	378
49.00	357	130.00	1148	207.00	2102	294.00	37
50.00	6695	131.00	232	208.00	658	295.00	132
51.00	25168	132.00	136	209.00	15	296.00	4380
52.00	1735	134.00	319	210.00	448	297.00	648
54.00	16	135.00	1215	211.00	884	298.00	74
55.00	166	136.00	282	212.00	93	301.00	87
56.00	1000	137.00	634	215.00	377	302.00	115
57.00	1589	138.00	190	216.00	419	303.00	365
58.00	244	139.00	36	217.00	4152	304.00	222
61.00	449	140.00	217	218.00	657	309.00	31
62.00	614	141.00	1953	219.00	116	310.00	89
63.00	1715	142.00	596	220.00	306	312.00	45
64.00	74	143.00	392	221.00	3041	313.00	35
65.00	695	144.00	80	222.00	921	314.00	25
66.00	93	146.00	242	223.00	1192	315.00	502
67.00	186	147.00	584	224.00	9391	316.00	226
68.00	109	148.00	2030	225.00	2685	321.00	160
69.00	29904	149.00	469	226.00	295	323.00	1365
73.00	422	150.00	112	227.00	4430	324.00	327
74.00	2961	151.00	400	228.00	583	325.00	68
75.00	5266	152.00	255	229.00	968	327.00	274
76.00	1940	153.00	822	230.00	193	328.00	53
77.00	34544	154.00	483	231.00	259	332.00	111

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D\8270_5R.rsl\spectra.d

Injection Date: 31-Mar-2016 04:03:30

Spectrum: Tune Spec :Average 309-311(5.90-5.92) Bgrd 305(5.88)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	2013	155.00	809	232.00	131	333.00	18
79.00	2595	156.00	1693	233.00	139	334.00	752
80.00	1710	157.00	464	234.00	148	335.00	128
81.00	2082	158.00	223	235.00	285	340.00	23
82.00	538	159.00	345	236.00	186	341.00	174
83.00	543	160.00	566	237.00	408	346.00	319
84.00	208	161.00	816	238.00	58	352.00	625
85.00	537	162.00	266	239.00	165	353.00	229
86.00	658	163.00	239	240.00	127	354.00	475
87.00	570	164.00	180	241.00	309	355.00	183
88.00	23	165.00	984	242.00	562	361.00	46
89.00	166	166.00	684	243.00	434	365.00	2028
90.00	22	167.00	3639	244.00	6545	366.00	191
91.00	527	168.00	1272	245.00	1185	370.00	44
92.00	657	169.00	317	246.00	1773	371.00	141
93.00	3496	170.00	118	247.00	241	372.00	898
94.00	156	171.00	311	249.00	317	373.00	348
95.00	186	172.00	312	250.00	27	374.00	34
96.00	110	173.00	484	251.00	169	383.00	299
97.00	29	174.00	784	252.00	179	390.00	35
98.00	2852	175.00	1504	253.00	372	391.00	40
99.00	2550	176.00	321	254.00	326	392.00	127
100.00	263	177.00	618	255.00	37704	397.00	38
101.00	1565	178.00	198	256.00	5450	401.00	17
102.00	109	179.00	2453	257.00	479	402.00	345
103.00	313	180.00	1733	258.00	2303	403.00	342
104.00	677	181.00	1153	259.00	428	404.00	40
105.00	918	182.00	51	260.00	118	411.00	34
106.00	246	184.00	264	263.00	114	417.00	47
107.00	9695	185.00	1250	264.00	98	421.00	360
108.00	1127	186.00	9380	265.00	895	422.00	324
109.00	57	187.00	2612	266.00	192	423.00	2198
110.00	17928	188.00	123	270.00	62	424.00	553
111.00	2654	189.00	667	273.00	1336	437.00	18

Report Date: 31-Mar-2016 09:22:48

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D\8270_5R.rslt\spectra.d

Injection Date: 31-Mar-2016 04:03:30

Spectrum: Tune Spec :Average 309-311(5.90-5.92) Bgrd 305(5.88)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	643	190.00	131	274.00	3041	438.00	89
113.00	169	191.00	186	275.00	16576	440.00	48
114.00	43	192.00	529	276.00	2398	441.00	6351
115.00	140	193.00	1037	277.00	1624	442.00	40696
116.00	609	194.00	131	278.00	383	443.00	7755
117.00	7358	195.00	138	279.00	62	444.00	684
118.00	535	196.00	2177	281.00	161	459.00	30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
Injection Date: 31-Mar-2016 04:03:30 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

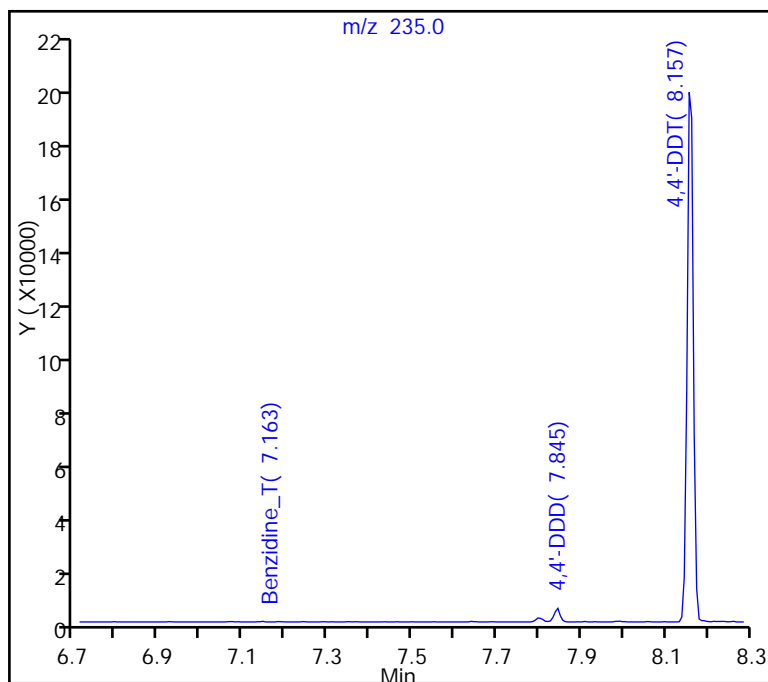
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 202869

126 4,4'-DDD, Area = 6747

125 4,4'-DDE, Area = 0

%Breakdown: 3.22%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
Injection Date: 31-Mar-2016 04:03:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

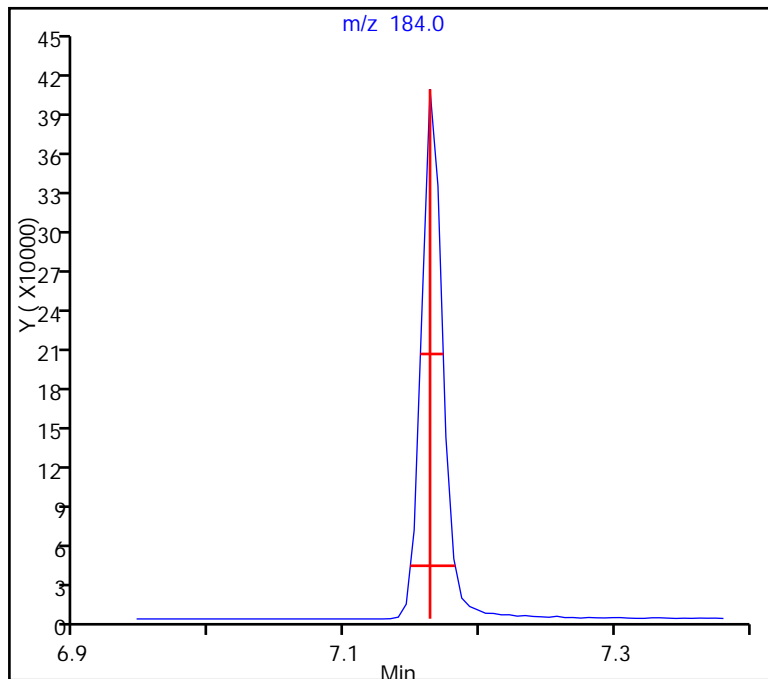
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
Injection Date: 31-Mar-2016 04:03:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

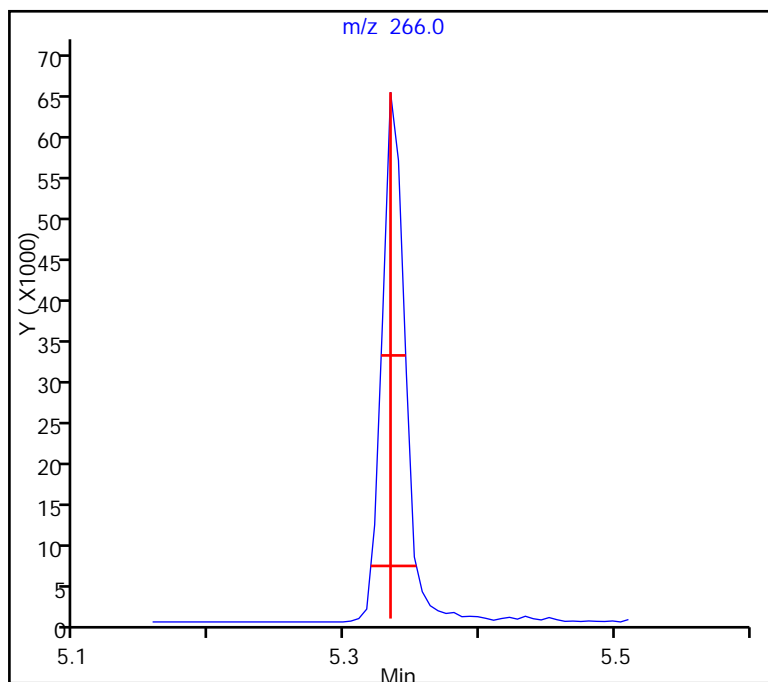
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12516b.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 04-Apr-2016 14:08:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039417-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 13:04:40 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: zhaoc

Date: 04-Apr-2016 14:33:29

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	5.181	5.181	0.000	90	15444	NR	NR	
55 Benzidine_T	184	7.010	7.010	0.000	99	313265	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.681	7.681	0.000	86	3168		NR	
127 4,4'-DDT	235	7.998	7.998	0.000	97	132250	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

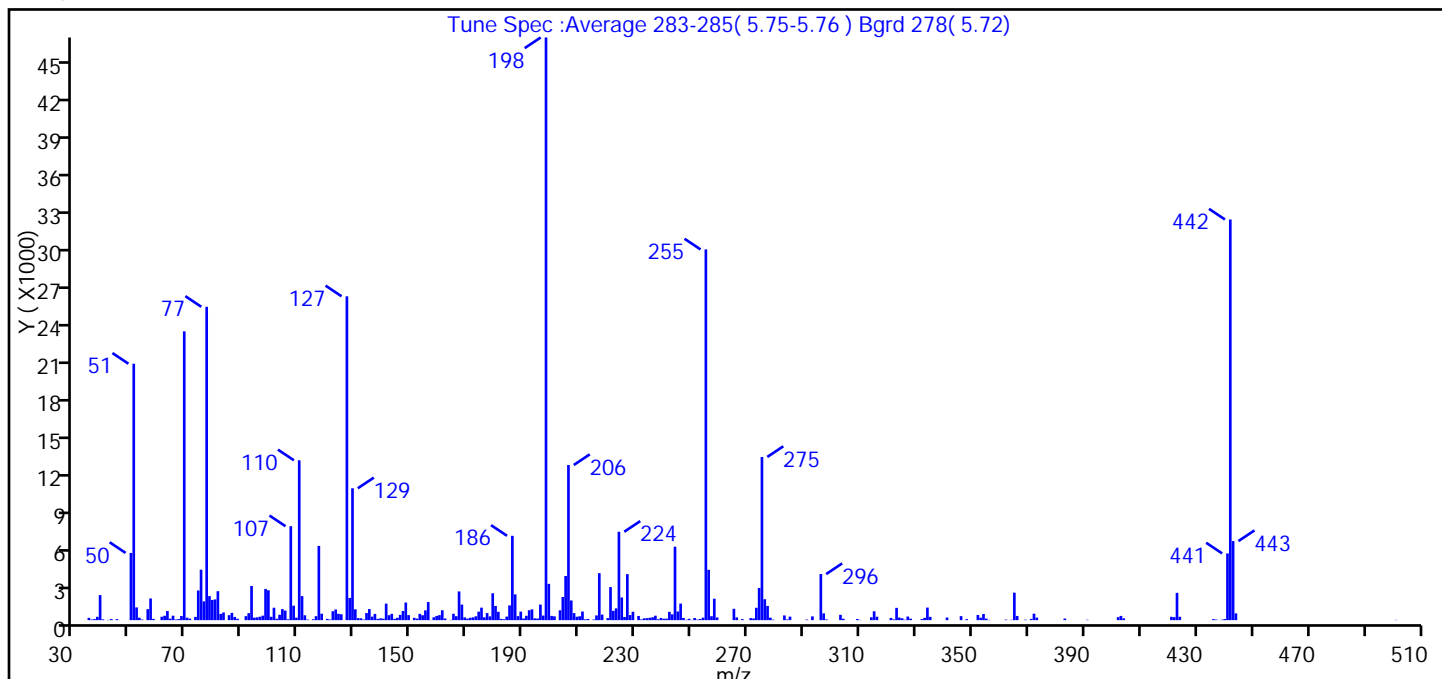
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12516b.D
Injection Date: 04-Apr-2016 14:08:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	44.0
68	<2% of mass 69	0.7 (1.4)
69	Present	49.6
70	<2% of mass 69	0.4 (0.8)
127	40-60% of mass 198	55.6
197	<1% of mass 198	0.8
199	5-9% of mass 198	6.2
275	10-30% of mass 198	28.0
365	>1% of mass 198	4.7
441	Present but less than mass 443	11.5 (84.4)
442	>40% of mass 198	68.8
443	17-23% of mass 442	13.6 (19.7)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12516b.D\8270_5R.rslt\spectra.d
Injection Date: 04-Apr-2016 14:08:30
Spectrum: Tune Spec :Average 283-285(5.75-5.76) Bgrd 278(5.72)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 276

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	184	118.00	515	191.00	348	272.00	135
36.00	47	120.00	103	192.00	793	273.00	988
37.00	87	121.00	53	193.00	860	274.00	2566
38.00	265	122.00	713	194.00	144	275.00	13033
39.00	2000	123.00	850	195.00	132	276.00	1670
40.00	67	124.00	505	196.00	1243	277.00	1134
42.00	22	125.00	470	197.00	367	278.00	198
43.00	85	127.00	25864	198.00	46536	279.00	38
45.00	81	128.00	1773	199.00	2898	283.00	376
50.00	5368	129.00	10532	200.00	337	284.00	53
51.00	20480	130.00	866	201.00	304	285.00	280
52.00	1018	131.00	163	203.00	785	291.00	48
53.00	194	132.00	148	204.00	1850	293.00	299
54.00	49	133.00	49	205.00	3526	296.00	3680
56.00	877	134.00	567	206.00	12391	297.00	540
57.00	1731	135.00	881	207.00	1571	298.00	58
58.00	102	136.00	280	208.00	561	303.00	426
61.00	272	137.00	497	209.00	272	304.00	111
62.00	350	138.00	102	210.00	308	309.00	93
63.00	725	139.00	145	211.00	686	310.00	17
64.00	117	140.00	115	212.00	68	314.00	229
65.00	354	141.00	1316	213.00	93	315.00	706
66.00	53	142.00	395	215.00	52	316.00	273
67.00	85	143.00	502	216.00	377	321.00	177
68.00	327	144.00	106	217.00	3751	322.00	61
69.00	23064	145.00	187	218.00	445	323.00	982
70.00	195	146.00	422	220.00	159	324.00	202
71.00	122	147.00	732	221.00	2639	325.00	147
73.00	259	148.00	1407	222.00	742	326.00	32
74.00	2368	149.00	402	223.00	942	327.00	288
75.00	4031	151.00	187	224.00	7060	328.00	122
76.00	1497	152.00	127	225.00	1810	332.00	82
77.00	25024	153.00	502	226.00	252	333.00	189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	1921	154.00	392	227.00	3674	334.00	1004
79.00	1613	155.00	782	228.00	406	335.00	262
80.00	1658	156.00	1445	229.00	671	341.00	208
81.00	2312	157.00	17	231.00	333	346.00	319
82.00	499	158.00	234	232.00	57	348.00	78
83.00	610	159.00	339	233.00	148	352.00	410
85.00	396	160.00	399	234.00	157	353.00	195
86.00	581	161.00	792	235.00	187	354.00	494
87.00	256	162.00	132	236.00	231	355.00	124
88.00	111	164.00	25	237.00	356	356.00	20
91.00	320	165.00	508	238.00	71	362.00	45
92.00	556	166.00	316	239.00	175	364.00	30
93.00	2729	167.00	2292	240.00	111	365.00	2194
94.00	198	168.00	1240	241.00	120	366.00	335
95.00	225	169.00	218	242.00	661	369.00	39
96.00	273	170.00	120	243.00	465	371.00	102
97.00	359	171.00	188	244.00	5866	372.00	518
98.00	2492	172.00	228	245.00	692	373.00	204
99.00	2386	173.00	307	246.00	1324	383.00	128
100.00	267	174.00	679	247.00	176	391.00	32
101.00	991	175.00	999	248.00	27	402.00	242
102.00	110	176.00	226	249.00	106	403.00	337
103.00	429	177.00	566	250.00	19	404.00	146
104.00	883	178.00	300	251.00	169	421.00	266
105.00	762	179.00	2147	252.00	45	422.00	240
106.00	70	180.00	1131	253.00	88	423.00	2178
107.00	7503	181.00	666	254.00	198	424.00	267
108.00	1156	182.00	100	255.00	29608	436.00	82
109.00	197	183.00	74	256.00	4018	437.00	41
110.00	12768	184.00	284	257.00	313	439.00	33
111.00	1919	185.00	1178	258.00	1712	440.00	87
112.00	388	186.00	6736	259.00	216	441.00	5329
113.00	48	187.00	2058	265.00	907	442.00	32000
115.00	73	188.00	320	266.00	217	443.00	6315

Report Date: 05-Apr-2016 13:04:44

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12516b.D\8270_5R.rslt\spectra.d

Injection Date: 04-Apr-2016 14:08:30

Spectrum: Tune Spec :Average 283-285(5.75-5.76) Bgrd 278(5.72)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 276

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	317	189.00	679	268.00	82	444.00	539
117.00	5929	190.00	133	271.00	162	501.00	19

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12516b.D
Injection Date: 04-Apr-2016 14:08:30 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

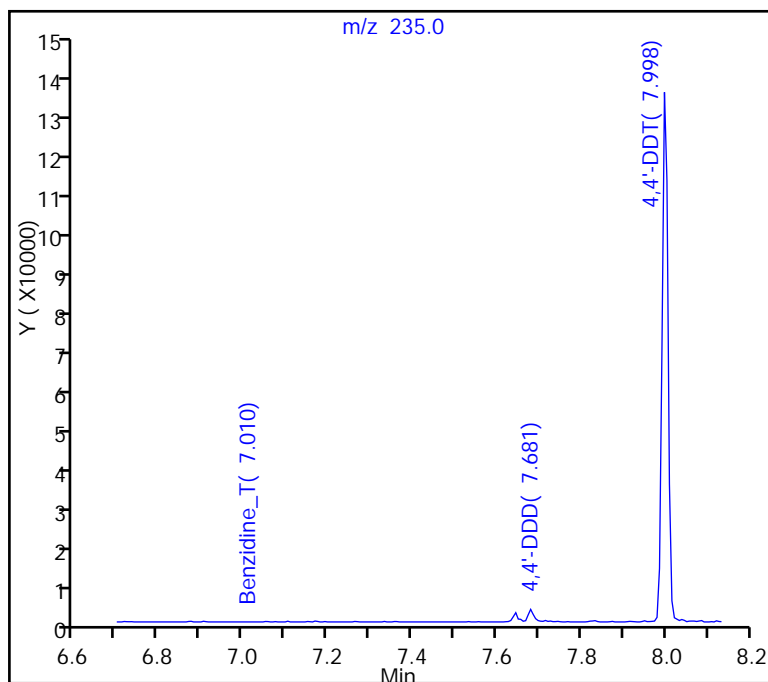
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 132250

126 4,4'-DDD, Area = 3168

125 4,4'-DDE, Area = 0

%Breakdown: 2.34%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12516b.D
Injection Date: 04-Apr-2016 14:08:30 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

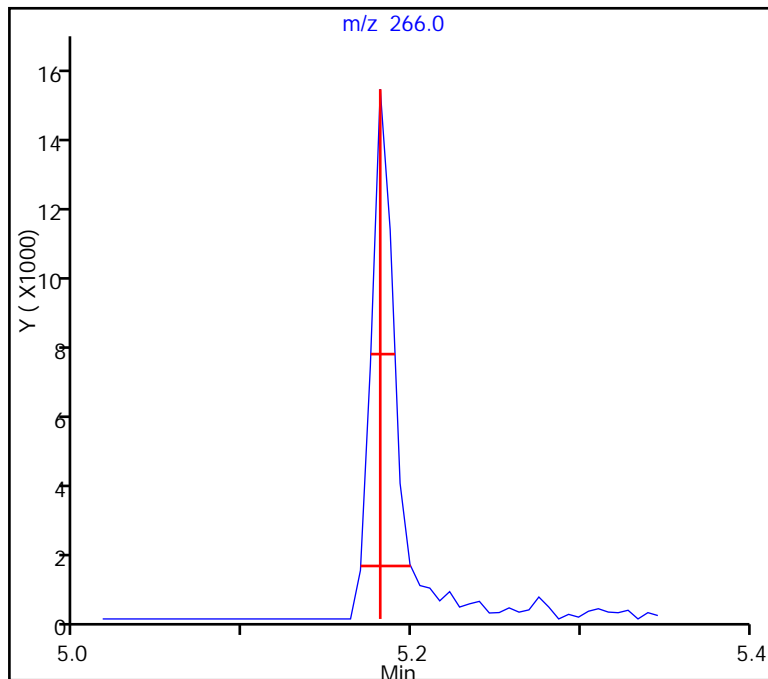
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.018 (min.)

Front Width = 0.012 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12516b.D
Injection Date: 04-Apr-2016 14:08:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

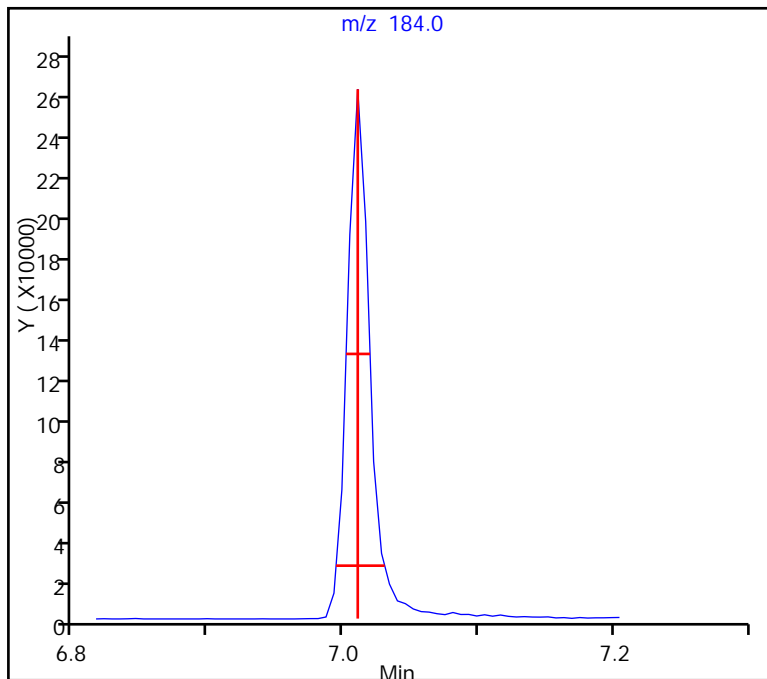
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.020 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 05-Apr-2016 07:31:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:51:11 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: asfawa

Date: 05-Apr-2016 07:47:50

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	5.028	5.028	0.000	87	11391	NR	NR	
55 Benzidine_T	184	6.863	6.863	0.000	99	278042	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.534	7.534	0.000	89	2678		NR	
127 4,4'-DDT	235	7.857	7.857	0.000	98	119907	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

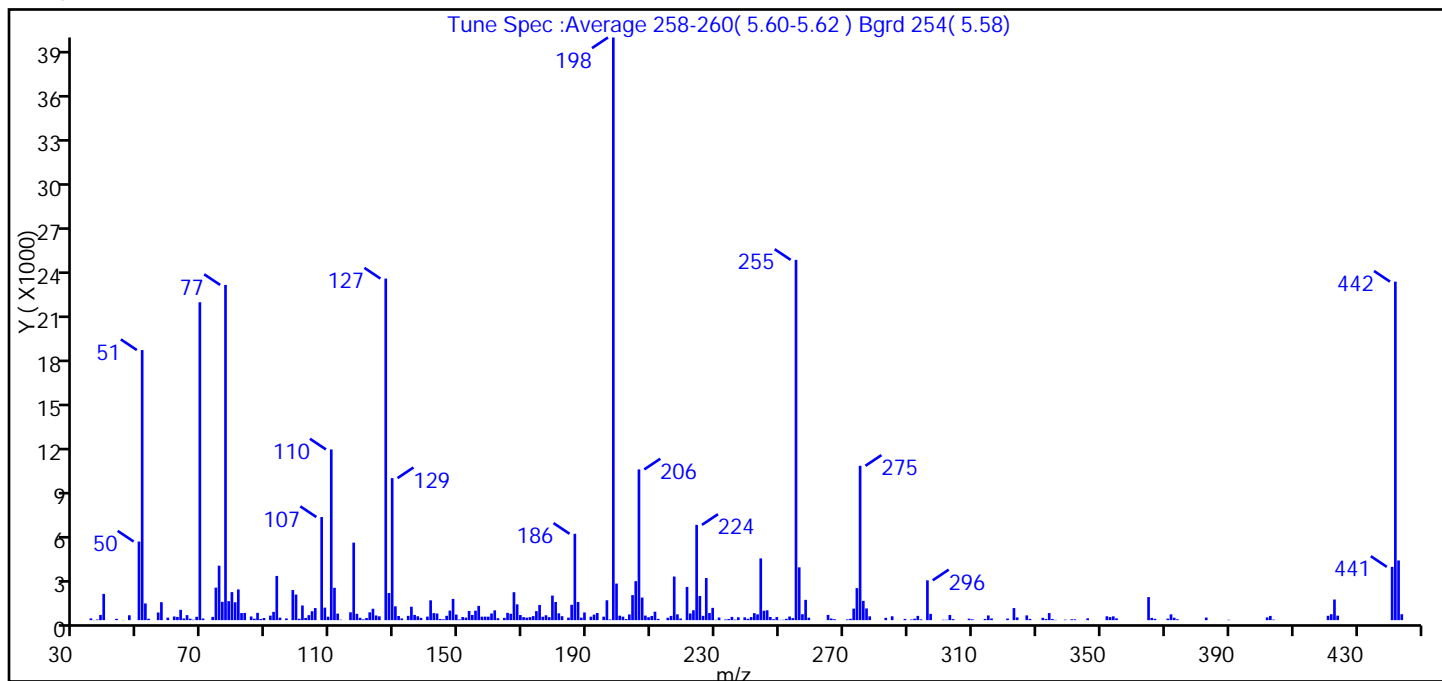
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
Injection Date: 05-Apr-2016 07:31:30 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	46.4
68	<2% of mass 69	0.6 (1.1)
69	Present	54.6
70	<2% of mass 69	0.3 (0.5)
127	40-60% of mass 198	58.6
197	<1% of mass 198	0.1
199	5-9% of mass 198	6.3
275	10-30% of mass 198	26.5
365	>1% of mass 198	4.0
441	Present but less than mass 443	9.1 (89.3)
442	>40% of mass 198	58.1
443	17-23% of mass 442	10.2 (17.6)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D\8270_5R.rslt\spectra.d
Injection Date: 05-Apr-2016 07:31:30
Spectrum: Tune Spec :Average 258-260(5.60-5.62) Bgrd 254(5.58)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	119	120.00	53	191.00	234	267.00	62
36.00	12	121.00	143	192.00	375	271.00	52
37.00	43	122.00	528	193.00	483	272.00	93
38.00	352	123.00	772	195.00	235	273.00	779
39.00	1774	124.00	315	196.00	1344	274.00	2165
43.00	90	125.00	258	197.00	45	275.00	10433
45.00	10	127.00	23088	198.00	39384	276.00	1303
47.00	331	128.00	1835	199.00	2471	277.00	792
50.00	5313	129.00	9600	200.00	302	278.00	258
51.00	18256	130.00	934	201.00	236	283.00	156
52.00	1130	131.00	281	202.00	72	285.00	262
53.00	96	132.00	116	203.00	383	289.00	84
56.00	516	134.00	291	204.00	1692	291.00	44
57.00	1214	135.00	906	205.00	2636	292.00	98
59.00	167	136.00	353	206.00	10189	293.00	289
61.00	247	137.00	261	207.00	1526	294.00	52
62.00	218	138.00	153	208.00	309	296.00	2692
63.00	696	140.00	241	209.00	200	297.00	425
64.00	112	141.00	1340	210.00	283	301.00	28
65.00	338	142.00	477	211.00	571	302.00	23
66.00	98	143.00	447	212.00	88	303.00	349
67.00	27	144.00	76	215.00	156	304.00	71
68.00	227	145.00	58	216.00	286	309.00	99
69.00	21488	146.00	295	217.00	2949	310.00	56
70.00	109	147.00	644	218.00	393	314.00	80
73.00	222	148.00	1436	219.00	113	315.00	318
74.00	2197	149.00	379	221.00	2244	316.00	113
75.00	3679	150.00	47	222.00	452	321.00	109
76.00	1239	151.00	210	223.00	670	323.00	816
77.00	22656	152.00	171	224.00	6440	324.00	184
78.00	1285	153.00	619	225.00	1634	327.00	321
79.00	1895	154.00	351	226.00	290	328.00	83
80.00	1209	155.00	639	227.00	2846	332.00	155

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D\8270_5R.rslt\spectra.d

Injection Date: 05-Apr-2016 07:31:30

Spectrum: Tune Spec :Average 258-260(5.60-5.62) Bgrd 254(5.58)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	2074	156.00	963	228.00	480	333.00	82
82.00	478	157.00	236	229.00	830	334.00	478
83.00	487	158.00	239	230.00	22	335.00	73
85.00	247	159.00	234	231.00	177	336.00	20
86.00	96	160.00	451	233.00	48	339.00	34
87.00	492	161.00	662	234.00	75	341.00	58
88.00	80	162.00	131	235.00	220	342.00	54
89.00	143	164.00	154	236.00	36	346.00	124
91.00	305	165.00	493	237.00	194	352.00	262
92.00	557	166.00	429	239.00	189	353.00	206
93.00	2989	167.00	1888	240.00	95	354.00	256
94.00	170	168.00	1068	241.00	207	355.00	122
96.00	117	169.00	347	242.00	472	365.00	1559
98.00	2035	170.00	205	243.00	391	366.00	151
99.00	1728	171.00	169	244.00	4173	367.00	89
100.00	93	172.00	203	245.00	637	371.00	103
101.00	989	173.00	272	246.00	667	372.00	391
102.00	150	174.00	609	247.00	215	373.00	162
103.00	337	175.00	1025	248.00	67	374.00	59
104.00	603	176.00	230	249.00	211	383.00	174
105.00	815	177.00	330	250.00	17	390.00	28
107.00	6970	178.00	202	251.00	25	402.00	185
108.00	846	179.00	1660	252.00	89	403.00	287
109.00	231	180.00	1228	253.00	246	404.00	38
110.00	11539	181.00	462	254.00	140	421.00	294
111.00	2185	182.00	266	255.00	24352	422.00	401
112.00	442	184.00	170	256.00	3568	423.00	1394
113.00	28	185.00	1037	257.00	401	424.00	304
116.00	532	186.00	5838	258.00	1372	441.00	3602
117.00	5240	187.00	1224	259.00	166	442.00	22880
118.00	427	188.00	168	265.00	354	443.00	4035
119.00	157	189.00	519	266.00	109	444.00	400

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
Injection Date: 05-Apr-2016 07:31:30 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

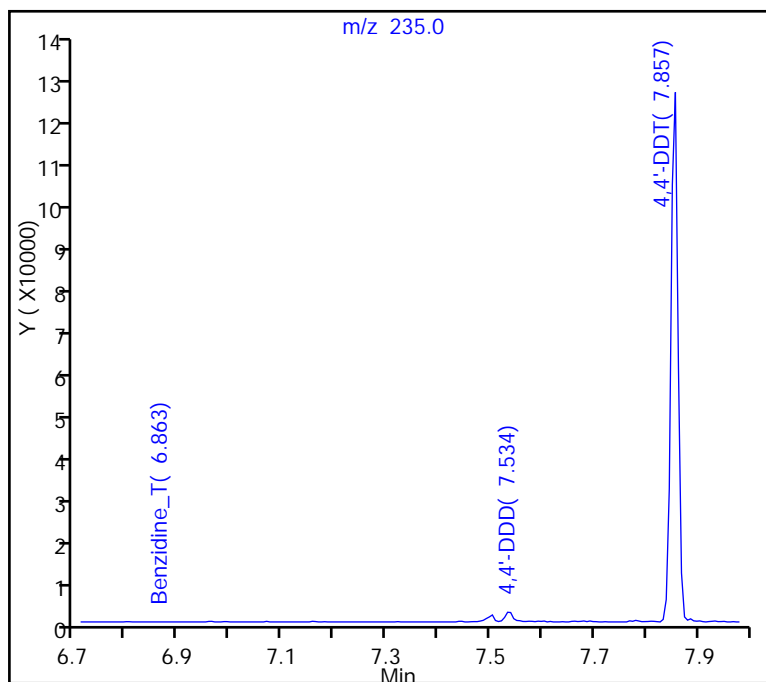
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 119907

126 4,4'-DDD, Area = 2678

125 4,4'-DDE, Area = 0

%Breakdown: 2.18%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
Injection Date: 05-Apr-2016 07:31:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

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

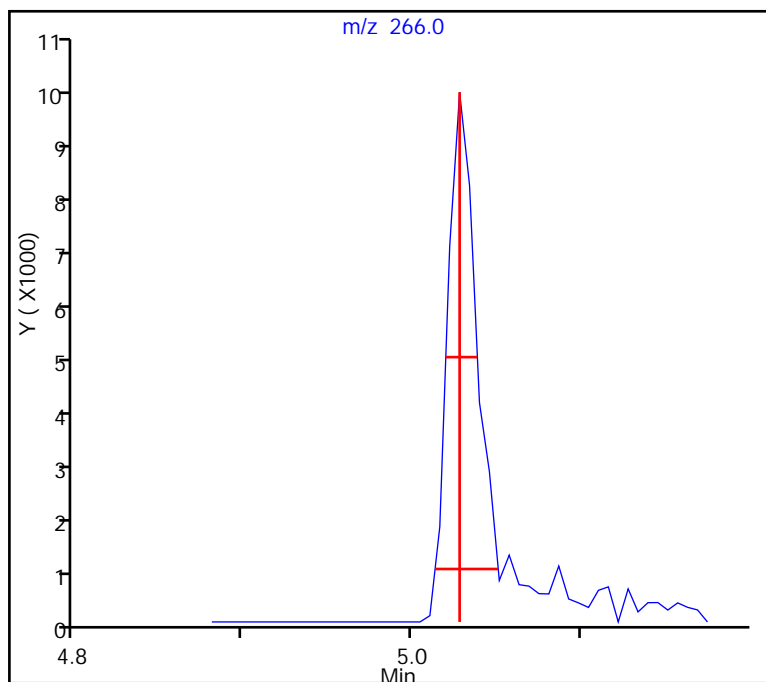
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.023 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
Injection Date: 05-Apr-2016 07:31:30 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

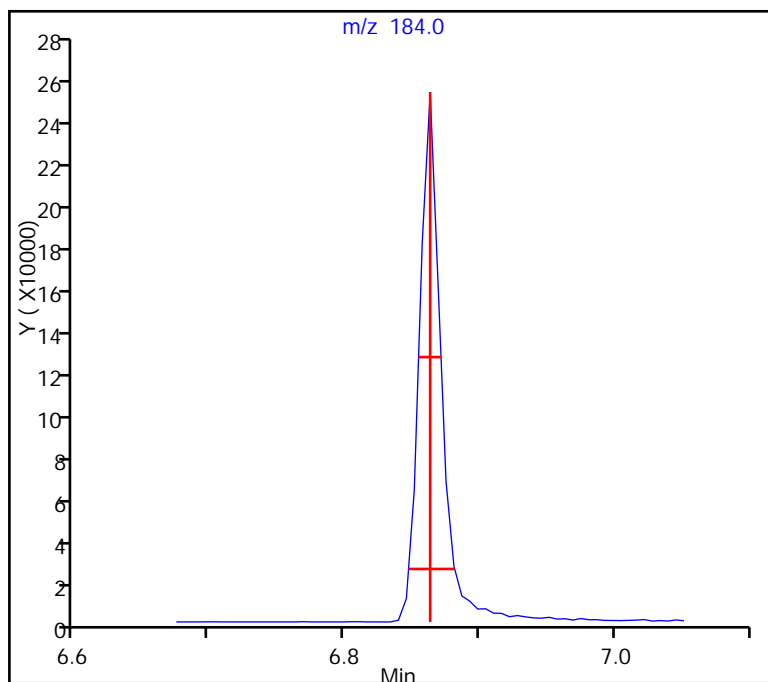
55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.018 (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>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-359414/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12519.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/04/2016 15:25</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>360592</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>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-359414/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12519.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/04/2016 15:25</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>360592</u>	Units: <u>ug/Kg</u>

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-359414/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12519.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/04/2016 15:25</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>360592</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	77		10-95
321-60-8	2-Fluorobiphenyl	64		27-84
367-12-4	2-Fluorophenol (Surr)	61		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	66		28-92
4165-62-2	Phenol-d5 (Surr)	68		22-88
1718-51-0	Terphenyl-d14 (Surr)	90		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12519.D
 Lims ID: MB 460-359414/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 04-Apr-2016 15:25:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039417-004
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 11:06:57 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK011

First Level Reviewer: szczecha

Date: 11-Apr-2016 11:06:57

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	3.157	3.134	0.023	94	2138595	50.0	30.5	
\$ 6 Phenol-d5	99	4.040	4.063	-0.023	88	2682568	50.0	34.0	
10 Benzonitrile	103	4.151	4.181	-0.030	1	696		NC	
* 14 1,4-Dichlorobenzene-d4	152	4.404	4.416	-0.012	98	1903788	40.0	40.0	
20 N-Methylaniline	106	4.798	4.810	-0.012	1	258		NC	
29 2-Toluidine	107	4.957	4.968	-0.011	31	354		NC	
\$ 26 Nitrobenzene-d5	82	4.957	4.975	-0.018	88	2674628	50.0	33.2	
* 38 Naphthalene-d8	136	5.681	5.693	-0.012	99	7634686	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.769	6.775	-0.006	98	4698997	50.0	32.2	
* 65 Acenaphthene-d10	164	7.439	7.445	-0.006	92	3879951	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.216	8.222	-0.006	93	526364	50.0	38.6	
63 2-Naphthylamine	143	8.451	8.385	0.066	1	57		NC	
62 1-Naphthylamine	143	8.292	8.385	-0.093	1	819		NC	
* 88 Phenanthrene-d10	188	8.904	8.904	0.000	99	5477762	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.480	10.480	0.000	99	3169271	50.0	45.2	
* 102 Chrysene-d12	240	11.686	11.692	-0.006	100	2376137	40.0	40.0	
* 109 Perylene-d12	264	13.633	13.639	-0.006	98	1389156	40.0	40.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160404-39417.b\\x12519.D

Injection Date: 04-Apr-2016 15:25:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: MB 460-359414/1-A

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul

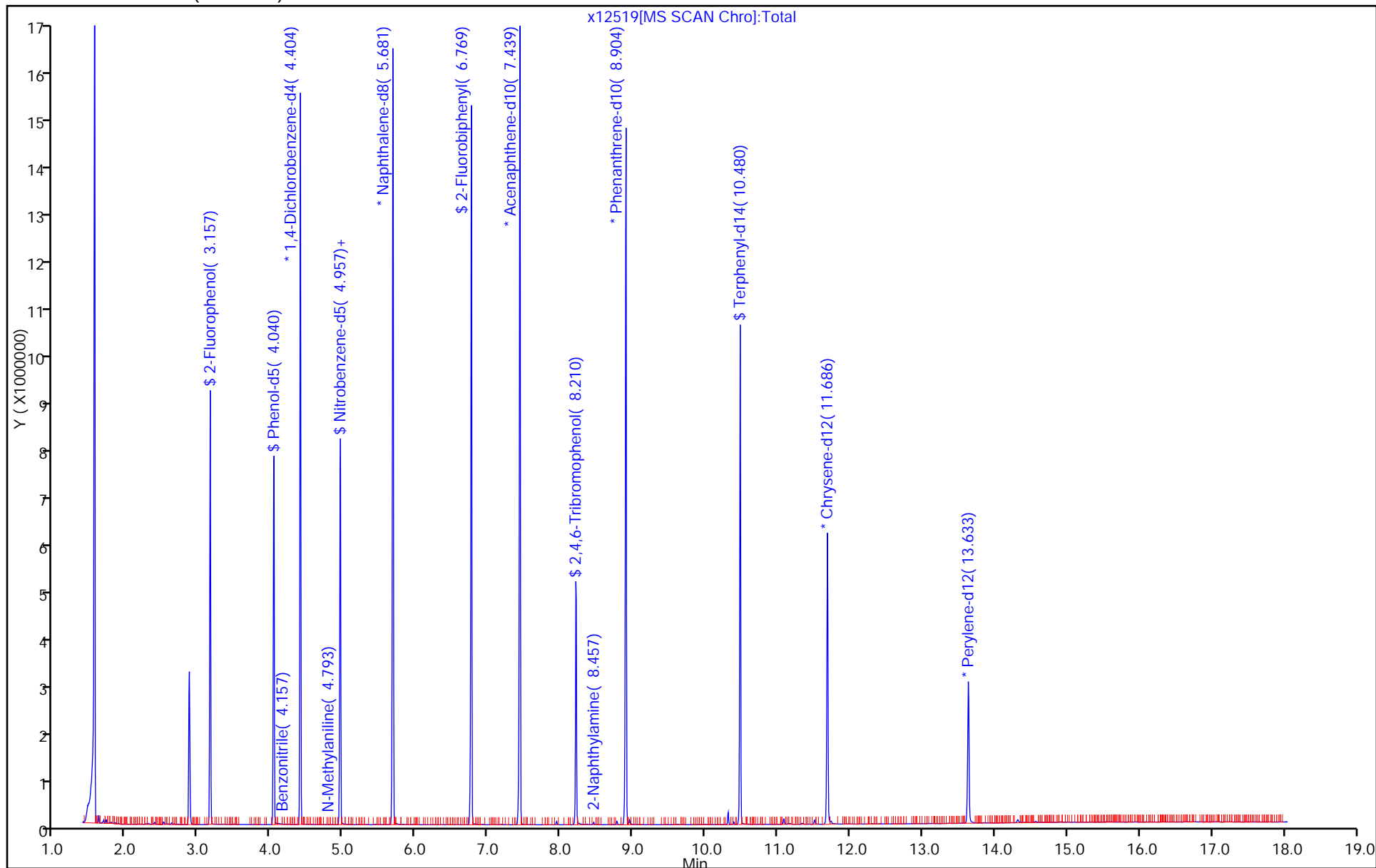
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-359414/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12520.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/04/2016 15:49</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>360592</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2660		330	28
95-94-3	1,2,4,5-Tetrachlorobenzene	2460		330	25
108-60-1	2,2'-oxybis[1-chloropropane]	2700		330	14
58-90-2	2,3,4,6-Tetrachlorophenol	2740		330	31
95-95-4	2,4,5-Trichlorophenol	2430		330	33
88-06-2	2,4,6-Trichlorophenol	2590		130	9.4
120-83-2	2,4-Dichlorophenol	2570		130	7.8
105-67-9	2,4-Dimethylphenol	2580		330	73
51-28-5	2,4-Dinitrophenol	5790		270	250
121-14-2	2,4-Dinitrotoluene	3100		67	13
606-20-2	2,6-Dinitrotoluene	2900		67	18
91-58-7	2-Chloronaphthalene	2520		330	7.5
95-57-8	2-Chlorophenol	2500		330	8.4
91-57-6	2-Methylnaphthalene	2780		330	7.3
95-48-7	2-Methylphenol	2900		330	14
88-74-4	2-Nitroaniline	2680		330	11
88-75-5	2-Nitrophenol	2590		330	11
91-94-1	3,3'-Dichlorobenzidine	1120		130	37
99-09-2	3-Nitroaniline	1270		330	9.8
534-52-1	4,6-Dinitro-2-methylphenol	5610		270	88
101-55-3	4-Bromophenyl phenyl ether	2940		330	10
59-50-7	4-Chloro-3-methylphenol	2950		330	14
106-47-8	4-Chloroaniline	909		330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	2920		330	9.9
106-44-5	4-Methylphenol	2860		330	9.0
100-01-6	4-Nitroaniline	2390		330	13
100-02-7	4-Nitrophenol	6120		670	160
83-32-9	Acenaphthene	2620		330	8.0
208-96-8	Acenaphthylene	2770		330	8.5
98-86-2	Acetophenone	2860		330	7.2
120-12-7	Anthracene	2850		330	31
56-55-3	Benzo[a]anthracene	2790		33	28
50-32-8	Benzo[a]pyrene	2900		33	10
205-99-2	Benzo[b]fluoranthene	3090		33	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-359414/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12520.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/04/2016 15:49</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>360592</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	2720		33	14
111-91-1	Bis(2-chloroethoxy)methane	2660		330	10
111-44-4	Bis(2-chloroethyl)ether	2740		33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	3040		330	13
85-68-7	Butyl benzyl phthalate	2980		330	10
86-74-8	Carbazole	2790		330	8.2
218-01-9	Chrysene	2890		330	9.0
53-70-3	Dibenz(a,h)anthracene	2830		33	17
132-64-9	Dibenzofuran	2830		330	10
84-66-2	Diethyl phthalate	3000		330	9.4
131-11-3	Dimethyl phthalate	2840		330	9.6
84-74-2	Di-n-butyl phthalate	2920		330	9.9
117-84-0	Di-n-octyl phthalate	3260		330	17
206-44-0	Fluoranthene	2760		330	9.8
86-73-7	Fluorene	2900		330	7.2
118-74-1	Hexachlorobenzene	2980		33	13
87-68-3	Hexachlorobutadiene	2540		67	9.3
77-47-4	Hexachlorocyclopentadiene	2530		330	21
67-72-1	Hexachloroethane	2540		33	12
193-39-5	Indeno[1,2,3-cd]pyrene	2930		33	22
78-59-1	Isophorone	2880		130	7.1
91-20-3	Naphthalene	2910		330	8.4
98-95-3	Nitrobenzene	2660		33	10
621-64-7	N-Nitrosodi-n-propylamine	3040		33	11
86-30-6	N-Nitrosodiphenylamine	2690		330	30
87-86-5	Pentachlorophenol	5570		270	40
85-01-8	Phenanthrene	2820		330	8.8
108-95-2	Phenol	2610		330	11
129-00-0	Pyrene	3110		330	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-359414/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12520.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/04/2016 15:49</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>360592</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		10-95
321-60-8	2-Fluorobiphenyl	76		27-84
367-12-4	2-Fluorophenol (Surr)	69		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	76		28-92
4165-62-2	Phenol-d5 (Surr)	75		22-88
1718-51-0	Terphenyl-d14 (Surr)	96		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12520.D
 Lims ID: LCS 460-359414/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Apr-2016 15:49:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039417-005
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 11:11:34 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK011

First Level Reviewer: szczecha

Date: 11-Apr-2016 13:50:51

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	1.869	1.752	0.117	91	652277	50.0	21.5	
2 N-Nitrosodimethylamine	74	2.081	1.987	0.094	87	1438374	50.0	36.3	
3 Pyridine	79	2.110	2.010	0.100	96	2089905	50.0	29.4	
\$ 4 2-Fluorophenol	112	3.163	3.134	0.029	95	2248143	50.0	34.3	
\$ 6 Phenol-d5	99	4.057	4.063	-0.006	99	2751220	50.0	37.4	
7 Phenol	94	4.069	4.081	-0.012	98	2995725	50.0	39.1	
8 Aniline	93	4.081	4.087	-0.006	98	2150905	50.0	23.6	
9 Bis(2-chloroethyl)ether	93	4.145	4.151	-0.006	99	2371975	50.0	41.1	
10 Benzonitrile	103	4.181	4.181	0.000	68	4756868	NC	NC	
11 2-Chlorophenol	128	4.210	4.216	-0.006	95	2294155	50.0	37.5	
12 n-Decane	43	4.251	4.257	-0.006	84	1795122	50.0	30.7	
13 1,3-Dichlorobenzene	146	4.357	4.363	-0.006	94	2604109	50.0	37.2	
* 14 1,4-Dichlorobenzene-d4	152	4.410	4.416	-0.006	98	1776708	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.428	4.434	-0.006	93	2694778	50.0	37.8	
16 Benzyl alcohol	108	4.551	4.563	-0.012	91	1441952	50.0	41.0	
17 1,2-Dichlorobenzene	146	4.575	4.587	-0.012	94	2468862	50.0	37.8	
18 2-Methylphenol	108	4.669	4.681	-0.012	88	2266658	50.0	43.6	
19 2,2'-oxybis[1-chloropropan	45	4.681	4.687	-0.006	87	2189524	50.0	40.5	
20 N-Methylaniline	106	4.804	4.810	-0.006	90	3905149	NC	NC	
21 Acetophenone	105	4.816	4.828	-0.012	94	3376118	50.0	42.9	
22 N-Nitrosodi-n-propylamine	70	4.822	4.834	-0.012	77	1806923	50.0	45.7	
24 4-Methylphenol	108	4.828	4.834	-0.006	91	2537933	50.0	42.9	
23 3 & 4 Methylphenol	108	4.828	4.834	-0.006	94	2537933	50.0	42.9	
25 Hexachloroethane	117	4.916	4.922	-0.006	95	1021278	50.0	38.2	
\$ 26 Nitrobenzene-d5	82	4.969	4.975	-0.006	87	2685533	50.0	37.9	
28 Nitrobenzene	77	4.987	4.998	-0.011	95	3905201	50.0	39.8	
27 n,n'-Dimethylaniline	120	4.992	4.998	-0.006	89	4052077	50.0	47.0	
31 Isophorone	82	5.234	5.240	-0.006	99	4453366	50.0	43.2	
32 2-Nitrophenol	139	5.304	5.310	-0.006	87	1225916	50.0	38.9	
33 2,4-Dimethylphenol	122	5.357	5.363	-0.006	89	1943132	50.0	38.8	
34 Bis(2-chloroethoxy)methane	93	5.445	5.451	-0.006	99	2541952	50.0	39.8	
35 Benzoic acid	122	5.516	5.493	0.023	88	1160140	50.0	47.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.551	5.563	-0.012	94	1756686	50.0	38.5	
37 1,2,4-Trichlorobenzene	180	5.634	5.640	-0.006	94	2129960	50.0	39.8	
* 38 Naphthalene-d8	136	5.692	5.693	-0.001	99	6720175	40.0	40.0	
39 Naphthalene	128	5.710	5.716	-0.006	100	6953931	50.0	43.7	
40 4-Chloroaniline	127	5.769	5.775	-0.006	96	905402	50.0	13.6	
41 Hexachlorobutadiene	225	5.839	5.845	-0.006	94	1238784	50.0	38.2	
43 4-Chloro-3-methylphenol	107	6.263	6.263	0.000	95	1927916	50.0	44.2	
44 2-Methylnaphthalene	142	6.404	6.410	-0.006	86	4352352	50.0	41.7	
45 1-Methylnaphthalene	142	6.504	6.504	0.000	93	4027157	50.0	45.3	
46 Hexachlorocyclopentadiene	237	6.569	6.569	0.000	95	1352919	50.0	37.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.575	6.581	-0.006	96	1932592	50.0	37.0	
48 2-tertbutyl-4-methylphenol	149	6.610	6.610	0.000	91	3092810	50.0	44.7	
49 2,4,6-Trichlorophenol	196	6.692	6.692	0.000	88	1238858	50.0	38.8	
50 2,4,5-Trichlorophenol	196	6.728	6.734	-0.006	95	1166051	50.0	36.4	
\$ 51 2-Fluorobiphenyl	172	6.775	6.775	0.000	98	4620058	50.0	38.0	
52 1,1'-Biphenyl	154	6.875	6.875	0.000	94	5301541	50.0	39.9	
53 2-Chloronaphthalene	162	6.892	6.892	0.000	97	3891630	50.0	37.8	
54 Phenyl ether	170	6.975	6.975	0.000	85	2733166	50.0	39.4	
56 2-Nitroaniline	65	6.992	6.998	-0.006	96	1447415	50.0	40.2	
57 1,3-Dimethylnaphthalene	156	7.110	7.110	0.000	93	3486900	50.0	42.1	
58 Dimethyl phthalate	163	7.181	7.181	0.000	99	3977572	50.0	42.6	
59 Coumarin	146	7.204	7.204	0.000	75	1295293	50.0	54.1	
60 2,6-Dinitrotoluene	165	7.239	7.239	0.000	95	923358	50.0	43.6	
61 Acenaphthylene	152	7.304	7.304	0.000	98	5718487	50.0	41.6	
64 3-Nitroaniline	138	7.398	7.404	-0.006	92	405943	50.0	19.0	
* 65 Acenaphthene-d10	164	7.445	7.445	0.000	92	3239986	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.463	7.463	0.000	97	4195708	50.0	42.3	
67 Acenaphthene	154	7.475	7.475	0.000	94	3843814	50.0	39.2	
68 2,4-Dinitrophenol	184	7.510	7.504	0.006	96	1076073	100.0	86.9	
69 4-Nitrophenol	65	7.581	7.587	-0.006	92	1501145	100.0	91.9	
70 2,4-Dinitrotoluene	165	7.633	7.634	-0.001	91	1145662	50.0	46.5	
71 Dibenzofuran	168	7.645	7.645	0.000	95	5233582	50.0	42.5	
72 2,3,4,6-Tetrachlorophenol	232	7.769	7.769	0.000	92	893214	50.0	41.1	
73 Diethyl phthalate	149	7.875	7.875	0.000	98	3753537	50.0	45.0	
74 4-Chlorophenyl phenyl ethe	204	7.980	7.981	-0.001	87	2047097	50.0	43.8	
75 Fluorene	166	7.986	7.986	0.000	96	4188225	50.0	43.6	
76 4-Nitroaniline	138	8.010	8.016	-0.006	90	673054	50.0	35.8	
77 4,6-Dinitro-2-methylphenol	198	8.039	8.039	0.000	85	1287316	100.0	84.1	
78 N-Nitrosodiphenylamine	169	8.098	8.104	-0.006	66	2719104	50.0	40.4	
79 1,2-Diphenylhydrazine	77	8.139	8.139	0.000	97	4378419	50.0	42.5	
\$ 80 2,4,6-Tribromophenol	330	8.222	8.222	0.000	94	491057	50.0	43.1	
81 4-Bromophenyl phenyl ether	248	8.463	8.463	0.000	90	1056150	50.0	44.1	
83 Hexachlorobenzene	284	8.533	8.534	-0.001	99	1035601	50.0	44.7	
85 Pentachlorophenol	266	8.722	8.728	-0.006	92	1178878	100.0	83.5	
86 Pentachloronitrobenzene	237	8.739	8.739	0.000	87	471178	50.0	47.0	
87 n-Octadecane	57	8.798	8.798	0.000	91	2314709	50.0	42.8	
* 88 Phenanthrene-d10	188	8.904	8.904	0.000	99	4058164	40.0	40.0	
89 Phenanthrene	178	8.927	8.928	-0.001	98	4905951	50.0	42.4	
90 Anthracene	178	8.980	8.981	-0.001	99	4997293	50.0	42.7	
91 Carbazole	167	9.133	9.139	-0.006	96	3821626	50.0	41.8	
92 Di-n-butyl phthalate	149	9.475	9.475	-0.001	99	4853243	50.0	43.7	
93 Fluoranthene	202	10.098	10.098	0.000	98	3889339	50.0	41.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Benzidine	184	10.222	10.228	-0.006	99	520509	50.0	15.0	
95 Pyrene	202	10.327	10.328	-0.001	98	3720468	50.0	46.7	
82 Bisphenol-A	213	10.380	10.380	0.000	99	524440	25.0	16.6	
\$ 96 Terphenyl-d14	244	10.480	10.480	0.000	99	2629990	50.0	47.8	
97 Butyl benzyl phthalate	149	11.016	11.016	0.000	98	1353708	50.0	44.7	
99 Carbamazepine	193	11.139	11.145	-0.006	91	878369	50.0	37.2	
100 3,3'-Dichlorobenzidine	252	11.645	11.651	-0.006	99	314731	50.0	16.8	
101 Benzo[a]anthracene	228	11.680	11.680	0.000	98	2449828	50.0	41.8	
* 102 Chrysene-d12	240	11.692	11.692	0.000	100	1866344	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.716	11.716	0.000	90	1806107	50.0	45.6	
103 Chrysene	228	11.727	11.727	0.000	99	2247551	50.0	43.4	
105 Di-n-octyl phthalate	149	12.586	12.586	0.000	97	2471433	50.0	48.9	
106 Benzo[b]fluoranthene	252	13.110	13.110	0.000	99	1801466	50.0	46.4	
107 Benzo[k]fluoranthene	252	13.145	13.151	-0.006	99	1677484	50.0	40.8	
108 Benzo[a]pyrene	252	13.557	13.563	-0.006	97	1549410	50.0	43.5	
* 109 Perylene-d12	264	13.639	13.639	0.000	99	1244292	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.192	15.204	-0.012	99	1320494	50.0	43.9	
111 Dibenz(a,h)anthracene	278	15.233	15.239	-0.006	97	1298152	50.0	42.5	
112 Benzo[g,h,i]perylene	276	15.633	15.645	-0.012	98	1341880	50.0	43.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00105

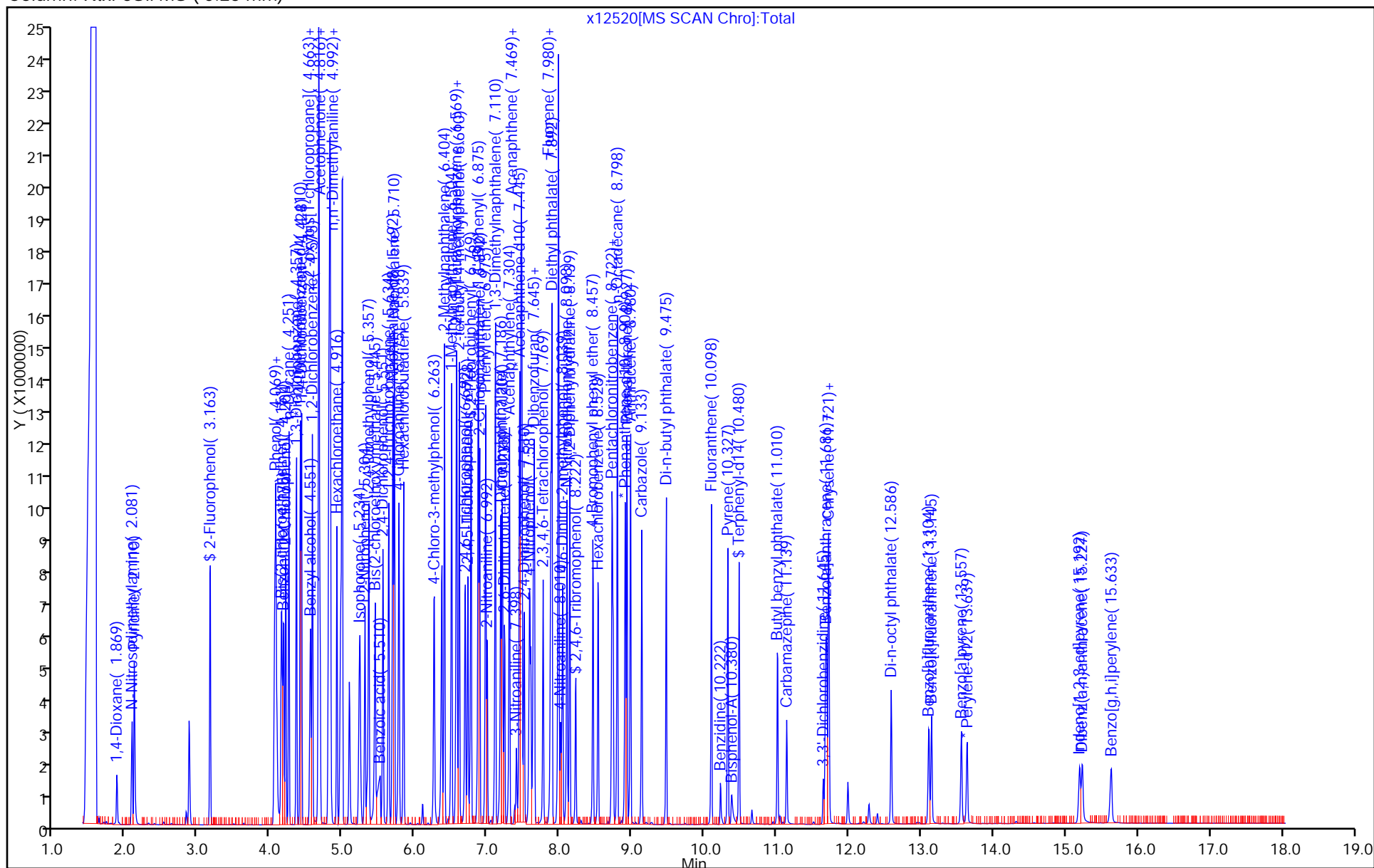
Amount Added: 20.00

Units: uL

Run Reagent

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12520.D		
Injection Date:	04-Apr-2016 15:49:30	Instrument ID:	CBNAMS5
Lims ID:	LCS 460-359414/2-A		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-359414/3-A
 Matrix: Solid Lab File ID: x12521.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 03/29/2016 12:53
 Sample wt/vol: 15.0000 (g) Date Analyzed: 04/04/2016 16:13
 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.: 360592 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	5510		130	15
100-52-7	Benzaldehyde	5350		330	25
105-60-2	Caprolactam	6220		330	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		10-95
321-60-8	2-Fluorobiphenyl	74		27-84
367-12-4	2-Fluorophenol (Surr)	70		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	77		28-92
4165-62-2	Phenol-d5 (Surr)	74		22-88
1718-51-0	Terphenyl-d14 (Surr)	97		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\12521.D
 Lims ID: LCS 460-359414/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Apr-2016 16:13:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039417-006
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160404-39417.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 11:11:34 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK011

First Level Reviewer: szczecha

Date: 11-Apr-2016 11:11:34

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	3.163	3.134	0.029	94	2218040	50.0	34.8	
5 Benzaldehyde	77	3.987	3.975	0.012	98	4463924	100.0	80.2	
\$ 6 Phenol-d5	99	4.040	4.063	-0.023	88	2639876	50.0	36.8	
* 14 1,4-Dichlorobenzene-d4	152	4.404	4.416	-0.012	97	1731120	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.957	4.975	-0.018	88	2764804	50.0	38.3	
* 38 Naphthalene-d8	136	5.687	5.693	-0.006	99	6834160	40.0	40.0	
42 Caprolactam	113	6.122	6.104	0.018	92	1201568	100.0	93.3	
\$ 51 2-Fluorobiphenyl	172	6.769	6.775	-0.006	98	4707264	50.0	37.2	
* 65 Acenaphthene-d10	164	7.439	7.445	-0.006	92	3367159	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.216	8.222	-0.006	94	488955	50.0	41.3	
84 Atrazine	200	8.633	8.627	0.006	93	2017482	100.0	82.7	
* 88 Phenanthrene-d10	188	8.904	8.904	0.000	99	4582422	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.480	10.480	0.000	99	3016283	50.0	48.4	
* 102 Chrysene-d12	240	11.686	11.692	-0.006	99	2113513	40.0	40.0	
* 109 Perylene-d12	264	13.633	13.639	-0.006	98	1290811	40.0	40.0	

Reagents:

SM_ISTD_00105 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160404-39417.b\\x12521.D

Injection Date: 04-Apr-2016 16:13:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: LCS 460-359414/3-A

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

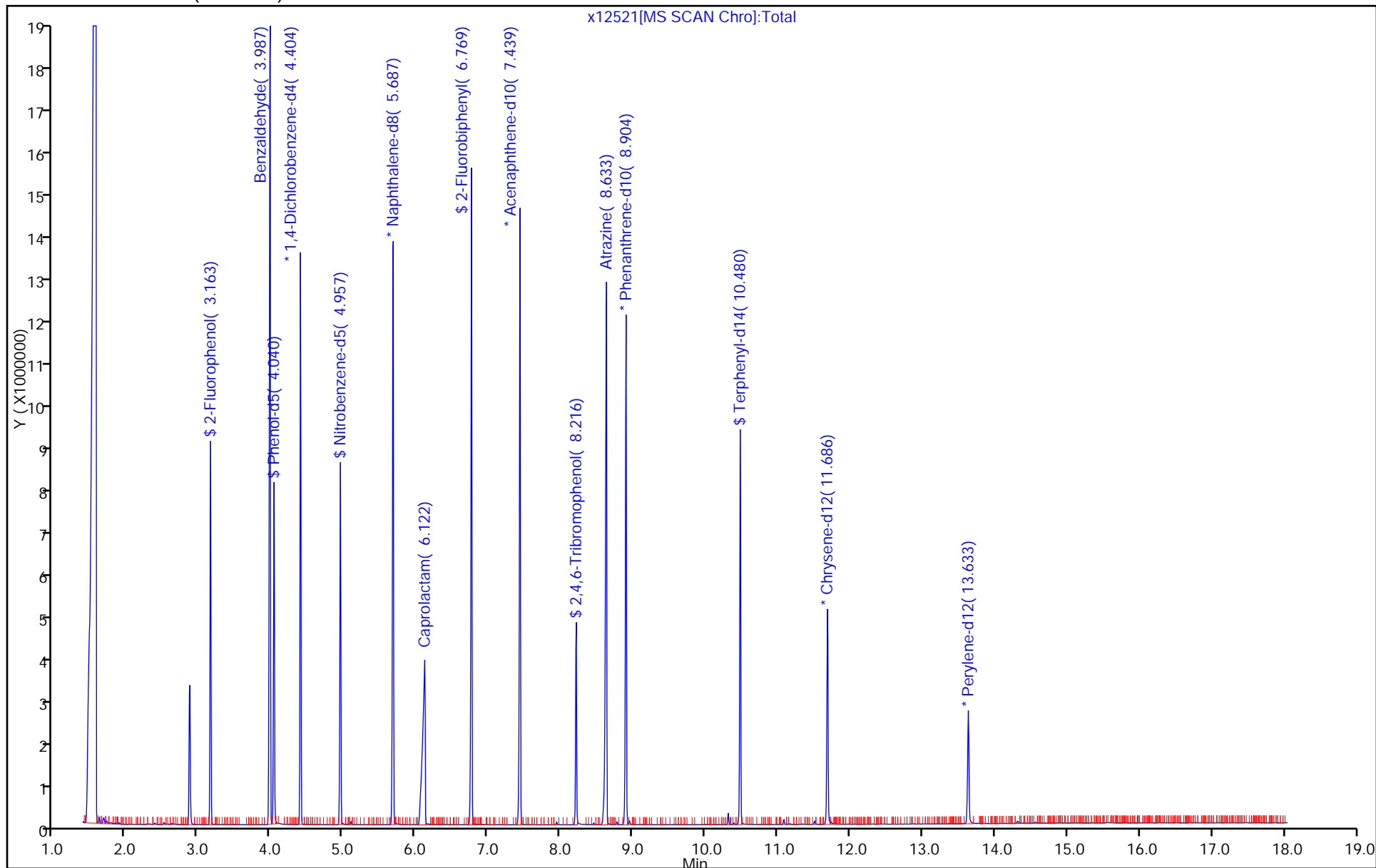
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-110936-C-36-C MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z4178464.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/17/2016 11:28</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0238(g)</u>	Date Analyzed: <u>04/11/2016 13:09</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>12.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>361786</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2570		380	32
95-94-3	1,2,4,5-Tetrachlorobenzene	2340		380	28
108-60-1	2,2'-oxybis[1-chloropropane]	4960		380	16
58-90-2	2,3,4,6-Tetrachlorophenol	1910		380	35
95-95-4	2,4,5-Trichlorophenol	2000		380	38
88-06-2	2,4,6-Trichlorophenol	1980		150	11
120-83-2	2,4-Dichlorophenol	2120		150	8.9
105-67-9	2,4-Dimethylphenol	2150		380	83
51-28-5	2,4-Dinitrophenol	342		300	290
121-14-2	2,4-Dinitrotoluene	2480		76	15
606-20-2	2,6-Dinitrotoluene	2560		76	20
91-58-7	2-Chloronaphthalene	2520		380	8.6
95-57-8	2-Chlorophenol	2350		380	9.6
91-57-6	2-Methylnaphthalene	2940		380	8.3
95-48-7	2-Methylphenol	2410		380	16
88-74-4	2-Nitroaniline	2420		380	12
88-75-5	2-Nitrophenol	1980		380	13
91-94-1	3,3'-Dichlorobenzidine	210		150	42
99-09-2	3-Nitroaniline	1020		380	11
534-52-1	4,6-Dinitro-2-methylphenol	868		300	100
101-55-3	4-Bromophenyl phenyl ether	2840		380	12
59-50-7	4-Chloro-3-methylphenol	2020		380	16
106-47-8	4-Chloroaniline	545		380	9.7
7005-72-3	4-Chlorophenyl phenyl ether	2700		380	11
106-44-5	4-Methylphenol	2300		380	10
100-01-6	4-Nitroaniline	1660		380	14
100-02-7	4-Nitrophenol	2230		760	180
83-32-9	Acenaphthene	2320		380	9.1
208-96-8	Acenaphthylene	2460		380	9.7
98-86-2	Acetophenone	2300		380	8.2
120-12-7	Anthracene	2570		380	36
1912-24-9	Atrazine	4220		150	17
100-52-7	Benzaldehyde	3260		380	29
56-55-3	Benzo[a]anthracene	2470		38	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-110936-C-36-C MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z4178464.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/17/2016 11:28</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0238(g)</u>	Date Analyzed: <u>04/11/2016 13:09</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>12.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>361786</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	2620		38	11
205-99-2	Benzo[b]fluoranthene	3250		38	15
191-24-2	Benzo[g,h,i]perylene	2810		380	22
207-08-9	Benzo[k]fluoranthene	3130		38	16
111-91-1	Bis(2-chloroethoxy)methane	2190		380	12
111-44-4	Bis(2-chloroethyl)ether	2350		38	8.9
117-81-7	Bis(2-ethylhexyl) phthalate	2620		380	15
85-68-7	Butyl benzyl phthalate	2520		380	12
105-60-2	Caprolactam	716		380	27
86-74-8	Carbazole	2240		380	9.4
218-01-9	Chrysene	2650		380	10
53-70-3	Dibenz(a,h)anthracene	3010		38	20
132-64-9	Dibenzofuran	2530		380	11
84-66-2	Diethyl phthalate	2470		380	11
131-11-3	Dimethyl phthalate	2480		380	11
84-74-2	Di-n-butyl phthalate	2290		380	11
117-84-0	Di-n-octyl phthalate	3160		380	19
206-44-0	Fluoranthene	2420		380	11
86-73-7	Fluorene	2580		380	8.2
118-74-1	Hexachlorobenzene	3170		38	15
87-68-3	Hexachlorobutadiene	2250		76	11
77-47-4	Hexachlorocyclopentadiene	1100		380	23
67-72-1	Hexachloroethane	2200		38	14
193-39-5	Indeno[1,2,3-cd]pyrene	2860		38	25
78-59-1	Isophorone	2110		150	8.1
91-20-3	Naphthalene	2380		380	9.6
98-95-3	Nitrobenzene	1750		38	12
621-64-7	N-Nitrosodi-n-propylamine	2330		38	13
86-30-6	N-Nitrosodiphenylamine	2460		380	34
87-86-5	Pentachlorophenol	2360		300	46
85-01-8	Phenanthrene	2630		380	10
108-95-2	Phenol	2040		380	12
129-00-0	Pyrene	3570		380	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-110936-C-36-C MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z4178464.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/17/2016 11:28</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0238(g)</u>	Date Analyzed: <u>04/11/2016 13:09</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>12.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>361786</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	62		10-95
321-60-8	2-Fluorobiphenyl	63		27-84
367-12-4	2-Fluorophenol (Surr)	52		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	50		28-92
4165-62-2	Phenol-d5 (Surr)	53		22-88
1718-51-0	Terphenyl-d14 (Surr)	92		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178464.D
 Lims ID: 460-110936-C-36-C MS
 Client ID: FDM-GP19-S001
 Sample Type: MS
 Inject. Date: 11-Apr-2016 13:09:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039691-015
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 18:52:09 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK011

First Level Reviewer: szczecha

Date: 11-Apr-2016 18:52:09

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	1.863	1.763	0.100	89	64004	50.0	15.3	
2 N-Nitrosodimethylamine	74	2.075	1.999	0.076	70	142560	50.0	25.6	
3 Pyridine	79	2.110	2.022	0.088	72	29258	50.0	2.91	
\$ 4 2-Fluorophenol	112	3.204	3.146	0.058	90	227595	50.0	26.1	
5 Benzaldehyde	77	4.010	3.993	0.017	90	341910	100.0	42.9	
\$ 6 Phenol-d5	99	4.075	4.075	0.000	91	281642	50.0	26.6	
7 Phenol	94	4.092	4.093	-0.001	97	280619	50.0	26.8	
8 Aniline	93	4.110	4.110	-0.065	91	23444	50.0	1.87	
9 Bis(2-chloroethyl)ether	93	4.175	4.175	0.000	91	256476	50.0	30.9	
10 Benzonitrile	103	4.222	4.222	0.000	0	3566	NC	NC	
11 2-Chlorophenol	128	4.234	4.228	0.006	92	250387	50.0	30.9	
12 n-Decane	43	4.275	4.281	-0.006	92	373024	50.0	46.4	
13 1,3-Dichlorobenzene	146	4.387	4.381	0.006	94	283693	50.0	29.7	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.428	0.011	97	246008	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.451	4.451	0.000	92	292352	50.0	29.9	
16 Benzyl alcohol	108	4.575	4.575	0.000	92	105910	50.0	21.6	
17 1,2-Dichlorobenzene	146	4.604	4.604	0.000	94	273679	50.0	30.3	
18 2-Methylphenol	108	4.687	4.693	-0.006	91	229047	50.0	31.7	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.710	0.000	92	495811	50.0	65.2	
20 N-Methylaniline	106	4.834	4.834	0.000	0	266661	NC	NC	
22 Acetophenone	105	4.839	4.845	-0.006	94	331368	50.0	30.3	
21 N-Nitrosodi-n-propylamine	70	4.845	4.851	-0.006	94	184980	50.0	30.7	
23 3 & 4 Methylphenol	108	4.845	4.857	-0.012	91	245949	50.0	30.2	
24 4-Methylphenol	108	4.845	4.857	-0.012	92	245949	50.0	30.2	
25 Hexachloroethane	117	4.939	4.945	-0.006	91	112449	50.0	28.9	
29 2-Toluidine	107	4.945	4.947	-0.002	32	2507		NC	
\$ 26 Nitrobenzene-d5	82	4.992	4.998	-0.006	95	267457	50.0	24.9	
27 Nitrobenzene	77	5.010	5.022	-0.012	89	334816	50.0	23.0	
28 n,n'-Dimethylaniline	120	5.016	5.022	-0.006	98	270607	50.0	21.9	
31 Isophorone	82	5.251	5.263	-0.012	96	430800	50.0	27.8	
32 2-Nitrophenol	139	5.328	5.334	-0.006	84	116550	50.0	26.1	
33 2,4-Dimethylphenol	122	5.381	5.381	0.000	90	198259	50.0	28.3	

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	5.469	5.475	-0.006	94	280254	50.0	28.8	
35 Benzoic acid	122	5.516	5.522	-0.006	7	1760	50.0	0.4340	
36 2,4-Dichlorophenol	162	5.575	5.581	-0.006	92	190982	50.0	27.8	
37 1,2,4-Trichlorobenzene	180	5.657	5.663	-0.006	94	260845	50.0	31.8	
* 38 Naphthalene-d8	136	5.716	5.710	0.006	99	910732	40.0	40.0	
39 Naphthalene	128	5.739	5.740	-0.001	99	744438	50.0	31.2	
40 4-Chloroaniline	127	5.792	5.798	-0.006	95	67250	50.0	7.17	
41 Hexachlorobutadiene	225	5.869	5.869	0.000	96	160679	50.0	29.5	
42 Caprolactam	113	6.151	6.128	0.023	86	18934	100.0	9.41	
43 4-Chloro-3-methylphenol	107	6.292	6.281	0.011	96	182689	50.0	26.6	
44 2-Methylnaphthalene	142	6.433	6.434	-0.001	85	499816	50.0	38.6	
45 1-Methylnaphthalene	142	6.528	6.534	-0.006	93	460165	50.0	30.8	
46 Hexachlorocyclopentadiene	237	6.598	6.598	0.000	96	79927	50.0	14.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.604	6.604	0.000	98	256882	50.0	30.8	
48 2-tertbutyl-4-methylphenol	149	6.633	6.634	-0.001	91	323161	50.0	29.6	
49 2,4,6-Trichlorophenol	196	6.716	6.716	0.000	89	131360	50.0	26.0	
50 2,4,5-Trichlorophenol	196	6.757	6.751	0.006	96	134642	50.0	26.4	
\$ 51 2-Fluorobiphenyl	172	6.798	6.798	0.000	98	557398	50.0	31.7	
52 1,1'-Biphenyl	154	6.898	6.898	0.000	95	614063	50.0	33.8	
53 2-Chloronaphthalene	162	6.916	6.922	-0.006	97	474595	50.0	33.1	
54 Phenyl ether	170	7.004	7.004	0.000	87	330994	50.0	33.7	
55 2-Nitroaniline	65	7.022	7.022	0.000	95	172655	50.0	31.8	
57 1,3-Dimethylnaphthalene	156	7.133	7.139	-0.006	94	421455	50.0	37.4	
61 1-Naphthylamine	143	7.157	7.151	0.006	1	108		NC	
62 2-Naphthylamine	143	7.216	7.151	0.065	42	290		NC	
58 Dimethyl phthalate	163	7.210	7.210	0.000	99	470988	50.0	32.6	
59 Coumarin	146	7.228	7.228	0.000	78	135054	50.0	31.8	
60 2,6-Dinitrotoluene	165	7.263	7.263	0.000	93	112335	50.0	33.6	
63 Acenaphthylene	152	7.328	7.328	0.000	97	654386	50.0	32.4	
64 3-Nitroaniline	138	7.428	7.428	0.000	92	44432	50.0	13.4	
* 65 Acenaphthene-d10	164	7.469	7.469	0.000	92	468536	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.486	7.492	-0.006	98	183496	50.0	11.1	
67 Acenaphthene	154	7.504	7.504	0.000	93	439015	50.0	30.5	
68 2,4-Dinitrophenol	184	7.528	7.534	-0.006	80	8231	100.0	4.50	
69 4-Nitrophenol	65	7.598	7.598	0.000	94	80355	100.0	29.4	
70 2,4-Dinitrotoluene	165	7.657	7.663	-0.006	94	138365	50.0	32.6	
71 Dibenzofuran	168	7.675	7.675	0.000	95	621175	50.0	33.3	
72 2,3,4,6-Tetrachlorophenol	232	7.798	7.792	0.006	96	103526	50.0	25.1	
73 Diethyl phthalate	149	7.898	7.904	-0.006	98	436474	50.0	32.5	
75 4-Chlorophenyl phenyl ethe	204	8.010	8.010	0.000	79	270353	50.0	35.5	
74 Fluorene	166	8.010	8.010	0.000	94	515062	50.0	33.9	
76 4-Nitroaniline	138	8.033	8.039	-0.006	90	67148	50.0	21.8	
77 4,6-Dinitro-2-methylphenol	198	8.057	8.069	-0.012	89	29967	100.0	11.4	
78 N-Nitrosodiphenylamine	169	8.127	8.134	-0.007	67	329848	50.0	32.3	
79 1,2-Diphenylhydrazine	77	8.169	8.169	0.000	97	474509	50.0	30.4	
\$ 80 2,4,6-Tribromophenol	330	8.251	8.251	0.000	95	61995	50.0	30.8	
81 4-Bromophenyl phenyl ether	248	8.492	8.492	0.000	93	158171	50.0	37.3	
82 Hexachlorobenzene	284	8.563	8.563	0.000	97	168277	50.0	41.6	
83 Atrazine	200	8.663	8.657	0.006	92	214362	100.0	55.5	
84 Pentachlorophenol	266	8.751	8.751	0.000	95	81514	100.0	31.0	
85 Pentachloronitrobenzene	237	8.769	8.769	0.000	89	67795	50.0	36.3	
86 n-Octadecane	57	8.827	8.828	-0.001	90	465371	50.0	50.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.933	8.933	0.000	98	659211	40.0	40.0	
88 Phenanthrene	178	8.957	8.957	0.000	97	665714	50.0	34.6	
89 Anthracene	178	9.010	9.010	0.000	99	655428	50.0	33.8	
90 Carbazole	167	9.163	9.163	0.000	96	468603	50.0	29.5	
91 Di-n-butyl phthalate	149	9.504	9.504	0.000	100	580577	50.0	30.1	
92 Fluoranthene	202	10.127	10.127	0.000	98	578282	50.0	31.9	
94 Pyrene	202	10.351	10.351	0.000	98	550979	50.0	47.0	
\$ 96 Terphenyl-d14	244	10.510	10.510	0.000	99	402126	50.0	45.8	
97 Butyl benzyl phthalate	149	11.033	11.033	0.000	99	152518	50.0	33.1	
99 Carbamazepine	193	11.163	11.163	0.000	92	47190	50.0	12.0	
100 3,3'-Dichlorobenzidine	252	11.668	11.669	-0.001	98	9017	50.0	2.76	
101 Benzo[a]anthracene	228	11.698	11.698	0.000	98	328054	50.0	32.5	
* 102 Chrysene-d12	240	11.715	11.710	0.005	99	314889	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.739	11.733	0.006	92	225960	50.0	34.5	
103 Chrysene	228	11.745	11.745	0.000	99	309235	50.0	34.9	
105 Di-n-octyl phthalate	149	12.604	12.604	0.000	97	297513	50.0	41.5	
106 Benzo[b]fluoranthene	252	13.121	13.121	0.000	98	232145	50.0	42.8	
107 Benzo[k]fluoranthene	252	13.157	13.157	0.000	99	225465	50.0	41.2	
108 Benzo[a]pyrene	252	13.568	13.568	0.000	98	172989	50.0	34.4	
* 109 Perylene-d12	264	13.645	13.651	-0.006	99	167723	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.186	15.186	0.000	98	160231	50.0	37.7	
111 Dibenz(a,h)anthracene	278	15.221	15.227	-0.006	98	165096	50.0	39.5	
112 Benzo[g,h,i]perylene	276	15.615	15.621	-0.006	98	153268	50.0	36.9	
S 119 Total Cresols	1				0			62.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160411-39691.b\\z4178464.D

Injection Date: 11-Apr-2016 13:09:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-110936-C-36-C MS

Worklist Smp#: 15

Client ID: FDM-GP19-S001

Injection Vol: 1.0 ul

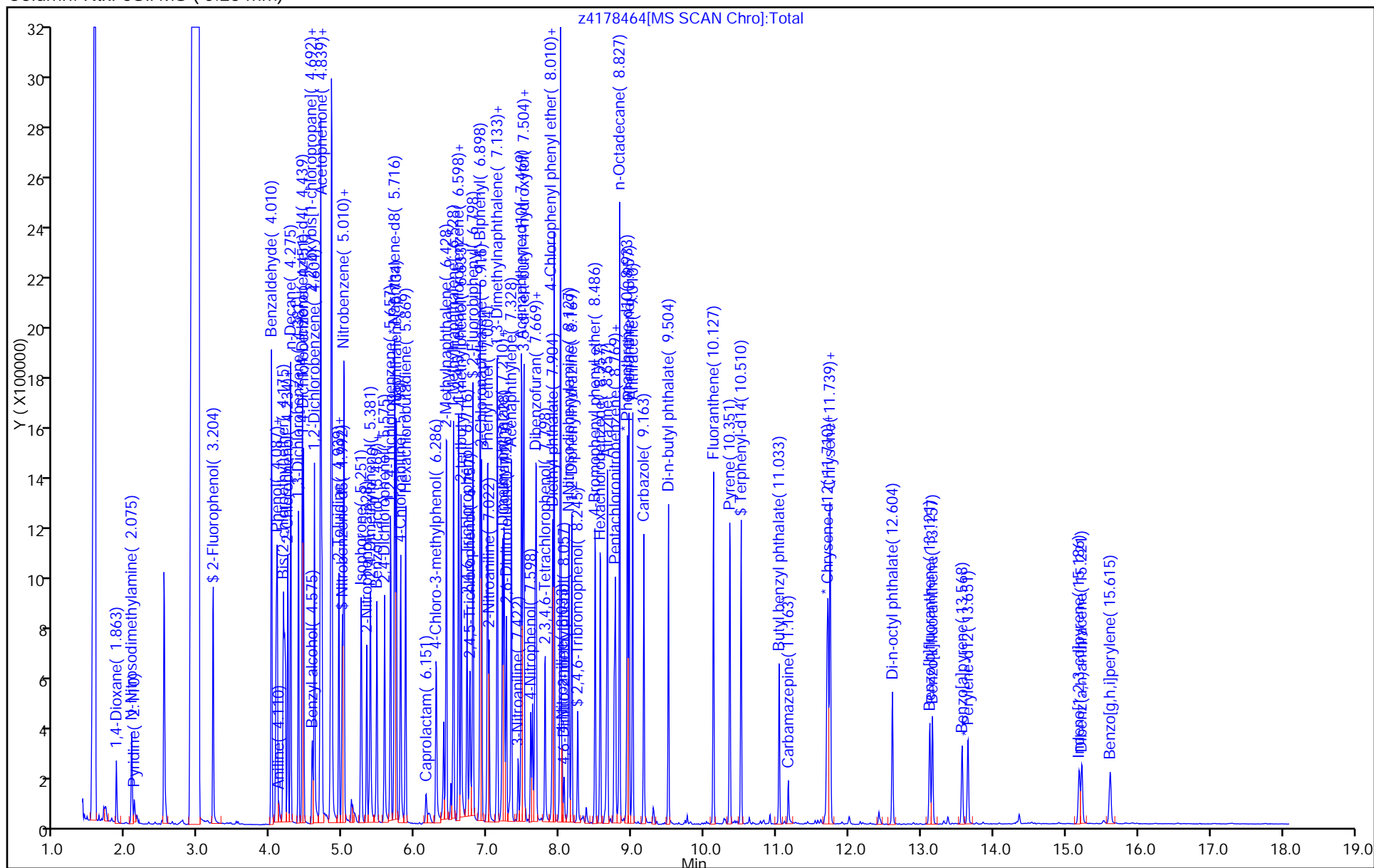
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_11R_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>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-110936-A-36-A MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z4178465.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/17/2016 11:28</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0235(g)</u>	Date Analyzed: <u>04/11/2016 13:34</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>12.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>361786</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2360		380	32
95-94-3	1,2,4,5-Tetrachlorobenzene	2120		380	28
108-60-1	2,2'-oxybis[1-chloropropane]	4690		380	16
58-90-2	2,3,4,6-Tetrachlorophenol	1780		380	35
95-95-4	2,4,5-Trichlorophenol	1920		380	38
88-06-2	2,4,6-Trichlorophenol	1820		150	11
120-83-2	2,4-Dichlorophenol	1960		150	8.9
105-67-9	2,4-Dimethylphenol	2020		380	83
51-28-5	2,4-Dinitrophenol	640		300	290
121-14-2	2,4-Dinitrotoluene	2400		76	15
606-20-2	2,6-Dinitrotoluene	2470		76	20
91-58-7	2-Chloronaphthalene	2290		380	8.6
95-57-8	2-Chlorophenol	2200		380	9.6
91-57-6	2-Methylnaphthalene	2700		380	8.3
95-48-7	2-Methylphenol	2330		380	16
88-74-4	2-Nitroaniline	2270		380	12
88-75-5	2-Nitrophenol	1820		380	13
91-94-1	3,3'-Dichlorobenzidine	371		150	42
99-09-2	3-Nitroaniline	1150		380	11
534-52-1	4,6-Dinitro-2-methylphenol	1530		300	100
101-55-3	4-Bromophenyl phenyl ether	2510		380	12
59-50-7	4-Chloro-3-methylphenol	1860		380	16
106-47-8	4-Chloroaniline	603		380	9.7
7005-72-3	4-Chlorophenyl phenyl ether	2490		380	11
106-44-5	4-Methylphenol	2160		380	10
100-01-6	4-Nitroaniline	1670		380	14
100-02-7	4-Nitrophenol	3050		760	180
83-32-9	Acenaphthene	2150		380	9.1
208-96-8	Acenaphthylene	2280		380	9.7
98-86-2	Acetophenone	2190		380	8.2
120-12-7	Anthracene	2300		380	36
1912-24-9	Atrazine	4340		150	17
100-52-7	Benzaldehyde	3300		380	29
56-55-3	Benzo[a]anthracene	2260		38	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-110936-A-36-A MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z4178465.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/17/2016 11:28</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0235(g)</u>	Date Analyzed: <u>04/11/2016 13:34</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>12.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>361786</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	2430		38	11
205-99-2	Benzo[b]fluoranthene	2780		38	15
191-24-2	Benzo[g,h,i]perylene	2260		380	22
207-08-9	Benzo[k]fluoranthene	2700		38	16
111-91-1	Bis(2-chloroethoxy)methane	2050		380	12
111-44-4	Bis(2-chloroethyl)ether	2200		38	8.9
117-81-7	Bis(2-ethylhexyl) phthalate	2560		380	15
85-68-7	Butyl benzyl phthalate	2620		380	12
105-60-2	Caprolactam	1200		380	27
86-74-8	Carbazole	2110		380	9.4
218-01-9	Chrysene	2410		380	10
53-70-3	Dibenz(a,h)anthracene	2350		38	20
132-64-9	Dibenzofuran	2360		380	11
84-66-2	Diethyl phthalate	2430		380	11
131-11-3	Dimethyl phthalate	2380		380	11
84-74-2	Di-n-butyl phthalate	2310		380	11
117-84-0	Di-n-octyl phthalate	2930		380	19
206-44-0	Fluoranthene	2310		380	11
86-73-7	Fluorene	2400		380	8.2
118-74-1	Hexachlorobenzene	2830		38	15
87-68-3	Hexachlorobutadiene	2030		76	11
77-47-4	Hexachlorocyclopentadiene	1070		380	24
67-72-1	Hexachloroethane	2060		38	14
193-39-5	Indeno[1,2,3-cd]pyrene	2300		38	25
78-59-1	Isophorone	2030		150	8.1
91-20-3	Naphthalene	2210		380	9.6
98-95-3	Nitrobenzene	1590		38	12
621-64-7	N-Nitrosodi-n-propylamine	2220		38	13
86-30-6	N-Nitrosodiphenylamine	2240		380	34
87-86-5	Pentachlorophenol	2290		300	46
85-01-8	Phenanthrene	2400		380	10
108-95-2	Phenol	1930		380	12
129-00-0	Pyrene	3130		380	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-110936-A-36-A MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z4178465.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/17/2016 11:28</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/29/2016 12:53</u>
Sample wt/vol: <u>15.0235(g)</u>	Date Analyzed: <u>04/11/2016 13:34</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>12.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>361786</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	59		10-95
321-60-8	2-Fluorobiphenyl	58		27-84
367-12-4	2-Fluorophenol (Surr)	49		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	46		28-92
4165-62-2	Phenol-d5 (Surr)	50		22-88
1718-51-0	Terphenyl-d14 (Surr)	81		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\z4178465.D
 Lims ID: 460-110936-A-36-A MSD
 Client ID: FDM-GP19-S001
 Sample Type: MSD
 Inject. Date: 11-Apr-2016 13:34:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039691-016
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160411-39691.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 18:52:20 Calib Date: 06-Apr-2016 18:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160406-39535.b\z4178286.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK011

First Level Reviewer: bayoumiw

Date: 11-Apr-2016 15:31:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.875	1.763	0.112	90	63934	50.0	15.0	
2 N-Nitrosodimethylamine	74	2.087	1.999	0.088	71	137811	50.0	24.2	
3 Pyridine	79	2.122	2.022	0.100	72	25518	50.0	2.47	
\$ 4 2-Fluorophenol	112	3.204	3.146	0.058	89	218737	50.0	24.5	
5 Benzaldehyde	77	4.010	3.993	0.017	90	354916	100.0	43.4	
\$ 6 Phenol-d5	99	4.075	4.075	0.000	88	272724	50.0	25.1	
7 Phenol	94	4.092	4.093	-0.001	97	271853	50.0	25.4	
8 Aniline	93	4.116	4.116	-0.059	97	37251	50.0	2.89	
9 Bis(2-chloroethyl)ether	93	4.175	4.175	0.000	92	245539	50.0	28.9	
10 Benzonitrile	103	4.222	4.222	0.000	0	5657	NC	NC	
11 2-Chlorophenol	128	4.240	4.228	0.012	92	240363	50.0	28.9	
12 n-Decane	43	4.275	4.281	-0.006	92	358548	50.0	43.5	
13 1,3-Dichlorobenzene	146	4.387	4.381	0.006	94	272837	50.0	27.9	
* 14 1,4-Dichlorobenzene-d4	152	4.440	4.428	0.012	97	252061	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.451	4.451	0.000	92	279418	50.0	27.9	
16 Benzyl alcohol	108	4.569	4.575	-0.006	91	129569	50.0	25.8	
17 1,2-Dichlorobenzene	146	4.604	4.604	0.000	94	261734	50.0	28.3	
18 2-Methylphenol	108	4.687	4.693	-0.006	90	226535	50.0	30.6	
19 2,2'-oxybis[1-chloropropan	45	4.704	4.710	-0.006	91	480405	50.0	61.7	
20 N-Methylaniline	106	4.828	4.834	-0.006	0	271336	NC	NC	
22 Acetophenone	105	4.839	4.845	-0.006	93	323217	50.0	28.8	
21 N-Nitrosodi-n-propylamine	70	4.845	4.851	-0.006	95	180655	50.0	29.2	
23 3 & 4 Methylphenol	108	4.845	4.857	-0.012	91	237017	50.0	28.4	
24 4-Methylphenol	108	4.845	4.857	-0.012	92	237017	50.0	28.4	
25 Hexachloroethane	117	4.939	4.945	-0.006	91	108127	50.0	27.1	
29 2-Toluidine	107	4.939	4.947	-0.008	34	4214		NC	
\$ 26 Nitrobenzene-d5	82	4.987	4.998	-0.011	96	258731	50.0	23.0	
27 Nitrobenzene	77	5.010	5.022	-0.012	91	318921	50.0	21.0	
28 n,n'-Dimethylaniline	120	5.010	5.022	-0.012	93	259458	50.0	20.4	
31 Isophorone	82	5.251	5.263	-0.012	97	432924	50.0	26.7	
32 2-Nitrophenol	139	5.328	5.334	-0.006	83	111991	50.0	23.9	
33 2,4-Dimethylphenol	122	5.381	5.381	0.000	89	194187	50.0	26.5	

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	5.469	5.475	-0.006	94	274558	50.0	27.0	
35 Benzoic acid	122	5.434	5.522	-0.088	80	10298	50.0	2.43	
36 2,4-Dichlorophenol	162	5.575	5.581	-0.006	93	185106	50.0	25.8	
37 1,2,4-Trichlorobenzene	180	5.657	5.663	-0.006	94	250464	50.0	29.1	
* 38 Naphthalene-d8	136	5.716	5.710	0.006	99	953584	40.0	40.0	
39 Naphthalene	128	5.734	5.740	-0.006	99	723663	50.0	29.0	
40 4-Chloroaniline	127	5.792	5.798	-0.006	95	77791	50.0	7.92	
41 Hexachlorobutadiene	225	5.869	5.869	0.000	96	152202	50.0	26.7	
42 Caprolactam	113	6.157	6.128	0.029	85	33258	100.0	15.8	
43 4-Chloro-3-methylphenol	107	6.292	6.281	0.011	96	176448	50.0	24.5	
44 2-Methylnaphthalene	142	6.433	6.434	-0.001	85	481263	50.0	35.5	
45 1-Methylnaphthalene	142	6.528	6.534	-0.006	93	451165	50.0	28.8	
46 Hexachlorocyclopentadiene	237	6.598	6.598	0.000	95	83324	50.0	14.0	
47 1,2,4,5-Tetrachlorobenzene	216	6.604	6.604	0.000	98	249465	50.0	27.9	
48 2-tertbutyl-4-methylphenol	149	6.633	6.634	-0.001	90	329103	50.0	28.8	
49 2,4,6-Trichlorophenol	196	6.716	6.716	0.000	89	129433	50.0	23.9	
50 2,4,5-Trichlorophenol	196	6.757	6.751	0.006	96	138180	50.0	25.2	
\$ 51 2-Fluorobiphenyl	172	6.798	6.798	0.000	98	544684	50.0	28.8	
52 1,1'-Biphenyl	154	6.898	6.898	0.000	95	605219	50.0	31.0	
53 2-Chloronaphthalene	162	6.916	6.922	-0.006	98	461636	50.0	30.1	
56 Benzidine_T	184	6.916	6.987	-0.071	49	136		NC	
54 Phenyl ether	170	7.004	7.004	0.000	86	324775	50.0	30.8	
55 2-Nitroaniline	65	7.022	7.022	0.000	96	173266	50.0	29.8	
57 1,3-Dimethylnaphthalene	156	7.133	7.139	-0.006	94	412195	50.0	34.1	
61 1-Naphthylamine	143	7.133	7.151	-0.018	48	2578		NC	
62 2-Naphthylamine	143	7.222	7.151	0.071	41	166		NC	
58 Dimethyl phthalate	163	7.210	7.210	0.000	100	485556	50.0	31.3	
59 Coumarin	146	7.228	7.228	0.000	78	148408	50.0	33.3	
60 2,6-Dinitrotoluene	165	7.263	7.263	0.000	93	116405	50.0	32.5	
63 Acenaphthylene	152	7.328	7.328	0.000	97	650231	50.0	30.0	
64 3-Nitroaniline	138	7.428	7.428	0.000	92	53761	50.0	15.2	
* 65 Acenaphthene-d10	164	7.469	7.469	0.000	92	502443	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.492	7.492	0.000	97	169816	50.0	9.62	
67 Acenaphthene	154	7.504	7.504	0.000	93	436206	50.0	28.3	
68 2,4-Dinitrophenol	184	7.528	7.534	-0.006	93	18774	100.0	8.41	
69 4-Nitrophenol	65	7.598	7.598	0.000	92	117623	100.0	40.1	
70 2,4-Dinitrotoluene	165	7.657	7.663	-0.006	94	143459	50.0	31.6	
71 Dibenzofuran	168	7.675	7.675	0.000	95	620524	50.0	31.0	
72 2,3,4,6-Tetrachlorophenol	232	7.798	7.792	0.006	94	103682	50.0	23.4	
73 Diethyl phthalate	149	7.898	7.904	-0.006	98	459358	50.0	31.9	
75 4-Chlorophenyl phenyl ethe	204	8.010	8.010	0.000	88	267282	50.0	32.7	
74 Fluorene	166	8.010	8.010	0.000	96	513658	50.0	31.5	
76 4-Nitroaniline	138	8.033	8.039	-0.006	91	72581	50.0	21.9	
77 4,6-Dinitro-2-methylphenol	198	8.063	8.069	-0.006	87	59356	100.0	20.1	
78 N-Nitrosodiphenylamine	169	8.128	8.134	-0.007	68	336322	50.0	29.4	
79 1,2-Diphenylhydrazine	77	8.163	8.169	-0.006	99	466785	50.0	26.7	
\$ 80 2,4,6-Tribromophenol	330	8.251	8.251	0.000	95	63908	50.0	29.6	
81 4-Bromophenyl phenyl ether	248	8.492	8.492	0.000	93	156826	50.0	33.0	
82 Hexachlorobenzene	284	8.563	8.563	0.000	96	168949	50.0	37.2	
83 Atrazine	200	8.663	8.657	0.006	92	247171	100.0	57.1	
84 Pentachlorophenol	266	8.751	8.751	0.000	94	88887	100.0	30.1	
85 Pentachloronitrobenzene	237	8.769	8.769	0.000	89	69287	50.0	33.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 n-Octadecane	57	8.827	8.828	-0.001	90	464711	50.0	45.1	
* 87 Phenanthrene-d10	188	8.939	8.933	0.006	98	739591	40.0	40.0	
88 Phenanthrene	178	8.963	8.957	0.006	97	680470	50.0	31.5	
89 Anthracene	178	9.010	9.010	0.000	99	659122	50.0	30.3	
90 Carbazole	167	9.163	9.163	0.000	96	494814	50.0	27.8	
91 Di-n-butyl phthalate	149	9.504	9.504	0.000	100	656144	50.0	30.3	
92 Fluoranthene	202	10.127	10.127	0.000	98	618752	50.0	30.4	
94 Pyrene	202	10.357	10.351	0.006	98	588304	50.0	41.2	
\$ 96 Terphenyl-d14	244	10.510	10.510	0.000	99	433391	50.0	40.5	
97 Butyl benzyl phthalate	149	11.039	11.033	0.006	98	193294	50.0	34.4	
99 Carbamazepine	193	11.163	11.163	0.000	91	59346	50.0	12.4	
100 3,3'-Dichlorobenzidine	252	11.668	11.669	-0.001	99	19444	50.0	4.88	
101 Benzo[a]anthracene	228	11.698	11.698	0.000	98	364934	50.0	29.7	
* 102 Chrysene-d12	240	11.716	11.710	0.006	99	383791	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.739	11.733	0.006	90	268426	50.0	33.6	
103 Chrysene	228	11.745	11.745	0.000	99	342392	50.0	31.7	
105 Di-n-octyl phthalate	149	12.604	12.604	0.000	98	341914	50.0	38.5	
106 Benzo[b]fluoranthene	252	13.121	13.121	0.000	98	245883	50.0	36.5	
107 Benzo[k]fluoranthene	252	13.157	13.157	0.000	99	240472	50.0	35.5	
108 Benzo[a]pyrene	252	13.568	13.568	0.000	98	198877	50.0	31.9	
* 109 Perylene-d12	264	13.651	13.651	0.000	99	207840	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.186	15.186	0.000	98	159678	50.0	30.3	
111 Dibenz(a,h)anthracene	278	15.221	15.227	-0.006	98	159557	50.0	30.8	
112 Benzo[g,h,i]perylene	276	15.615	15.621	-0.006	98	152511	50.0	29.7	
S 119 Total Cresols	1				0			59.1	
127 4,4'-DDT	235	7.910	7.981	-0.071	57	95		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160411-39691.b\\z4178465.D

Injection Date: 11-Apr-2016 13:34:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-110936-A-36-A MSD

Worklist Smp#: 16

Client ID: FDM-GP19-S001

Injection Vol: 1.0 ul

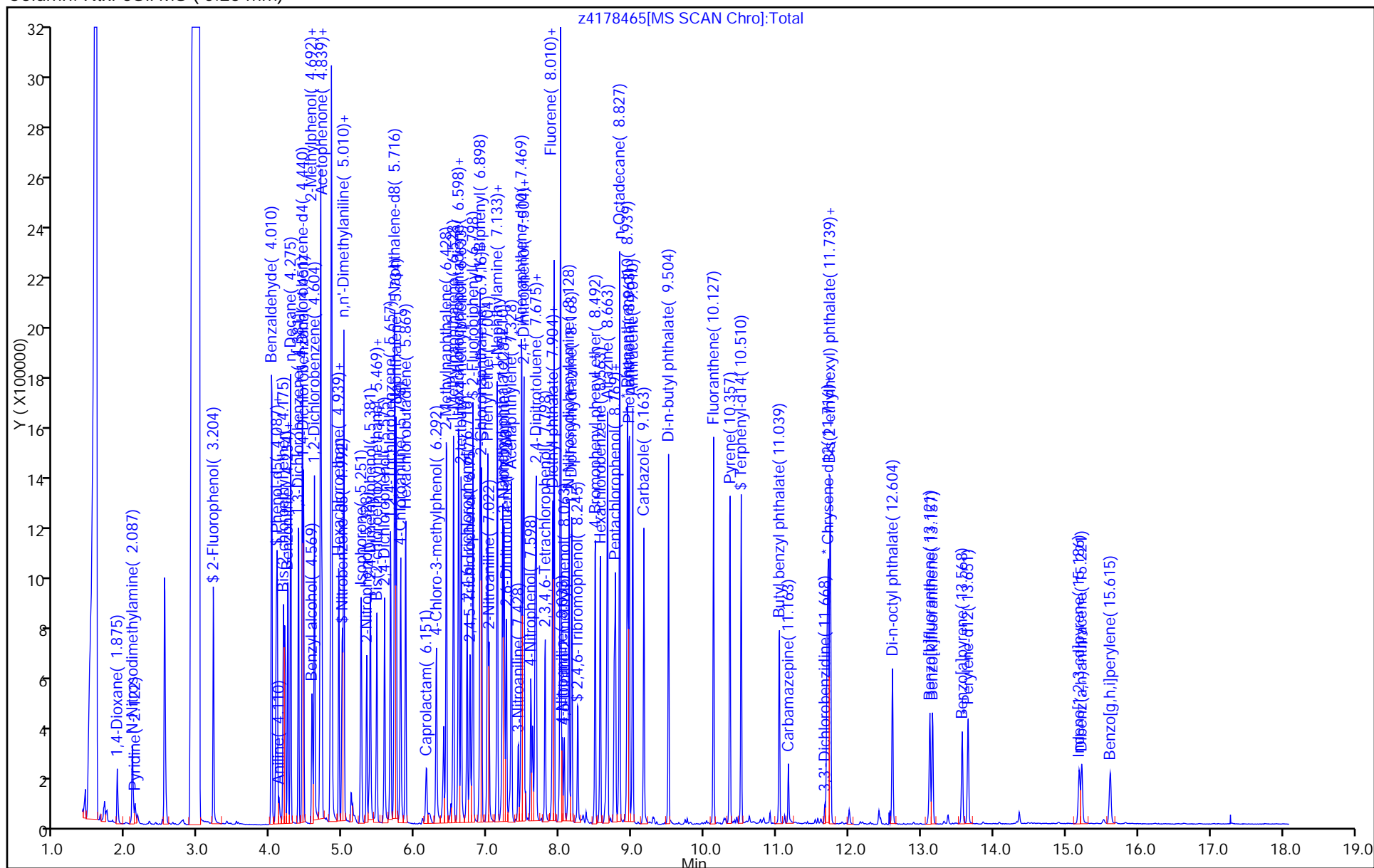
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111006-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 04/06/2016 12:25Analysis Batch Number: 361066End Date: 04/06/2016 19:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-361066/1		04/06/2016 12:25	1	z4178270.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-361066/2		04/06/2016 12:45	1	z4178271.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-361066/3 IC		04/06/2016 13:16	1	z4178272.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-361066/4 IC		04/06/2016 13:40	1	z4178273.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-361066/5 IC		04/06/2016 14:04	1	z4178274.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-361066/6 IC		04/06/2016 14:28	1	z4178275.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-361066/7 IC		04/06/2016 14:52	1	z4178276.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-361066/8 IC		04/06/2016 15:16	1	z4178277.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-361066/9 IC		04/06/2016 15:41	1	z4178278.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-361066/10 IC		04/06/2016 16:05	1	z4178279.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-361066/11 IC		04/06/2016 16:29	1	z4178280.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-361066/12 IC		04/06/2016 16:53	1	z4178281.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-361066/13 IC		04/06/2016 17:17	1	z4178282.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-361066/14 IC		04/06/2016 17:41	1	z4178283.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-361066/15 IC		04/06/2016 18:05	1	z4178284.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-361066/16 IC		04/06/2016 18:30	1	z4178285.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-361066/17 IC		04/06/2016 18:54	1	z4178286.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-361066/18		04/06/2016 19:18	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-361066/19		04/06/2016 19:42	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111006-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 04/11/2016 07:34Analysis Batch Number: 361786End Date: 04/11/2016 18:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-361786/1		04/11/2016 07:34	1	z4178450.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-361786/2		04/11/2016 07:49	1	z4178451.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-361786/3		04/11/2016 08:17	1	z4178452.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 09:54	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 10:18	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 11:33	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 11:57	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 12:21	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 12:45	2		Rtxi-5Sil MS 0.25 (mm)
460-110936-C-36-C MS		04/11/2016 13:09	1	z4178464.D	Rtxi-5Sil MS 0.25 (mm)
460-110936-A-36-A MSD		04/11/2016 13:34	1	z4178465.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 13:58	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 14:22	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 14:46	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 15:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 15:35	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 16:23	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 16:48	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 17:12	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 18:01	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 18:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/11/2016 18:49	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111006-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 03/31/2016 04:03Analysis Batch Number: 359755End Date: 03/31/2016 15:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-359755/1		03/31/2016 04:03	1	x12330.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-359755/2		03/31/2016 04:19	1	x12331.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-359755/3 IC		03/31/2016 04:44	1	x12332.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-359755/4 IC		03/31/2016 05:09	1	x12333.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-359755/5 IC		03/31/2016 05:34	1	x12334.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-359755/6 IC		03/31/2016 05:58	1	x12335.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-359755/7 IC		03/31/2016 06:23	1	x12336.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-359755/8 IC		03/31/2016 06:47	1	x12337.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-359755/9 IC		03/31/2016 07:11	1	x12338.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-359755/10 IC		03/31/2016 07:35	1	x12339.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-359755/11 IC		03/31/2016 08:00	1	x12340.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-359755/12 IC		03/31/2016 08:24	1	x12341.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-359755/13 IC		03/31/2016 08:48	1	x12342.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-359755/14 IC		03/31/2016 09:13	1	x12343.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-359755/15 IC		03/31/2016 09:37	1	x12344.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-359755/16 IC		03/31/2016 10:02	1	x12345.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-359755/17 IC		03/31/2016 10:26	1	x12346.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-359755/18		03/31/2016 10:50	1	x12347.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-359755/19		03/31/2016 11:15	1	x12348.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 11:39	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 12:03	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 12:27	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 13:16	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 14:05	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 14:29	500		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 15:42	2		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: CBNAMS5 Start Date: 04/04/2016 14:08Analysis Batch Number: 360592 End Date: 04/05/2016 02:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-360592/1		04/04/2016 14:08	1	x12516b.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-360592/2		04/04/2016 14:23	1	x12517.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-360592/3		04/04/2016 14:59	1	x12518.D	Rtxi-5Sil MS 0.25 (mm)
MB 460-359414/1-A		04/04/2016 15:25	1	x12519.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-359414/2-A		04/04/2016 15:49	1	x12520.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-359414/3-A		04/04/2016 16:13	1	x12521.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/04/2016 23:10	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/04/2016 23:35	100		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/04/2016 23:59	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 00:23	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 00:48	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 01:12	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 01:37	100		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 02:01	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111006-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 04/05/2016 07:31Analysis Batch Number: 360719End Date: 04/05/2016 19:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-360719/1		04/05/2016 07:31	1	x12549f.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-360719/2		04/05/2016 08:15	1	x12550a.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-360719/3		04/05/2016 08:45	1	x12551.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 09:59	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 10:23	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 10:48	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 11:13	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 11:38	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 12:03	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 12:28	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 12:53	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 13:47	2		Rtxi-5Sil MS 0.25 (mm)
460-111006-1		04/05/2016 14:24	1	x12563.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 15:14	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 16:29	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 16:54	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 17:19	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 18:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 18:33	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 18:58	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 19:23	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Batch Number: 359414 Batch Start Date: 03/29/16 12:52 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 460-359414/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-359414/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
LCS 460-359414/3		3546, 8270D		15.0000 g	1 mL	50 uL		500 uL	
460-110936-C-36 MS		3546, 8270D	T	15.0238 g	1 mL	50 uL	500 uL	500 uL	
460-110936-A-36 MSD		3546, 8270D	T	15.0235 g	1 mL	50 uL	500 uL	500 uL	
460-111006-A-1	A1	3546, 8270D	T	15.0231 g	1 mL			500 uL	

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

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270D

Page 1 of 1

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-111006-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID
A1

Lab Sample ID
460-111006-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>A1</u>	Lab Sample ID: <u>460-111006-1</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111006-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>03/24/2016 10:00</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>03/24/2016 20:00</u>
% Solids: <u>80.8</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5830	47.1	24.3	mg/Kg			4	6010C
7440-36-0	Antimony	4.7	4.7	1.9	mg/Kg	U		4	6010C
7440-38-2	Arsenic	2.0	3.5	1.2	mg/Kg	J		4	6010C
7440-39-3	Barium	81.1	47.1	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	0.47	0.47	0.40	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.94	0.94	0.49	mg/Kg	U		4	6010C
7440-70-2	Calcium	837	1180	69.8	mg/Kg	J		4	6010C
7440-47-3	Chromium	8.9	2.4	1.1	mg/Kg			4	6010C
7440-48-4	Cobalt	2.8	11.8	1.4	mg/Kg	J		4	6010C
7440-50-8	Copper	8.5	5.9	1.5	mg/Kg			4	6010C
7439-89-6	Iron	11500	35.3	26.6	mg/Kg			4	6010C
7439-92-1	Lead	194	2.4	0.92	mg/Kg			4	6010C
7439-95-4	Magnesium	766	1180	58.8	mg/Kg	J		4	6010C
7439-96-5	Manganese	295	3.5	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	11.2	9.4	1.7	mg/Kg			4	6010C
7440-09-7	Potassium	233	1180	35.7	mg/Kg	J		4	6010C
7782-49-2	Selenium	4.7	4.7	1.6	mg/Kg	U		4	6010C
7440-22-4	Silver	2.4	2.4	0.42	mg/Kg	U		4	6010C
7440-23-5	Sodium	1180	1180	79.8	mg/Kg	U		4	6010C
7440-28-0	Thallium	4.7	4.7	2.1	mg/Kg	U		4	6010C
7440-62-2	Vanadium	9.7	11.8	1.2	mg/Kg	J		4	6010C
7440-66-6	Zinc	96.4	7.1	1.7	mg/Kg			4	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

ICV Source: ME_CCv_DUO_00155 Concentration Units: ug/L

CCV Source: ME_CCv_DUO_00155

Analyte	ICV 460-360851/7 04/05/2016 10:17				CCV 460-360851/59 04/05/2016 13:47				CCV 460-360851/72 04/05/2016 14:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123900		125000	99	117400		125000	94	120600		125000	96
Antimony	978.7		1000	98	953.3		1000	95	974.2		1000	97
Arsenic	2453		2500	98	2424		2500	97	2446		2500	98
Barium	10030		10000	100	9856		10000	99	10030		10000	100
Beryllium	1002		1000	100	965.0		1000	97	987.0		1000	99
Cadmium	1252		1250	100	1225		1250	98	1242		1250	99
Calcium	124500		125000	100	120700		125000	97	121300		125000	97
Chromium	5019		5000	100	4946		5000	99	4994		5000	100
Cobalt	2499		2500	100	2428		2500	97	2475		2500	99
Copper	12360		12500	99	12040		12500	96	12310		12500	98
Iron	100800		100000	101	95830		100000	96	97270		100000	97
Lead	7527		7500	100	7203		7500	96	7523		7500	100
Magnesium	123900		125000	99	121200		125000	97	121900		125000	98
Manganese	5031		5000	101	4843		5000	97	4879		5000	98
Nickel	2509		2500	100	2477		2500	99	2518		2500	101
Potassium	49220		50000	98	47400		50000	95	48460		50000	97
Selenium	2465		2500	99	2438		2500	98	2482		2500	99
Silver	1224		1250	98	1164		1250	93	1185		1250	95
Sodium	123700		125000	99	116300		125000	93	119500		125000	96
Thallium	2533		2500	101	2450		2500	98	2529		2500	101
Vanadium	2488		2500	100	2421		2500	97	2468		2500	99
Zinc	2514		2500	101	2428		2500	97	2464		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.: 460-111006-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00155 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00155

Analyte	CCV 460-360851/85 04/05/2016 15:37											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	114200		125000	91								
Antimony	953.5		1000	95								
Arsenic	2447		2500	98								
Barium	9947		10000	99								
Beryllium	953.1		1000	95								
Cadmium	1229		1250	98								
Calcium	118800		125000	95								
Chromium	4974		5000	99								
Cobalt	2426		2500	97								
Copper	12080		12500	97								
Iron	93510		100000	94								
Lead	7530		7500	100								
Magnesium	121100		125000	97								
Manganese	4741		5000	95								
Nickel	2507		2500	100								
Potassium	46830		50000	94								
Selenium	2489		2500	100								
Silver	1134		1250	91								
Sodium	112800		125000	90								
Thallium	2424		2500	97								
Vanadium	2415		2500	97								
Zinc	2398		2500	96								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	ICVL 460-360851/9 04/05/2016 10:25				CCVL 460-360851/61 04/05/2016 13:55				CCVL 460-360851/74 04/05/2016 14:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	234.7		200	117	215.5		200	108	217.7		200	109
Antimony	18.53	J	20.0	93	19.95	J	20.0	100	18.49	J	20.0	92
Arsenic	15.73		15.0	105	15.46		15.0	103	14.69	J	15.0	98
Barium	210.2		200	105	212.1		200	106	212.2		200	106
Beryllium	2.05		2.00	102	1.95	J	2.00	97	2.01		2.00	101
Cadmium	4.14		4.00	104	4.10		4.00	102	4.14		4.00	104
Calcium	5197		5000	104	4953	J	5000	99	4945	J	5000	99
Chromium	10.71		10.0	107	10.64		10.0	106	10.42		10.0	104
Cobalt	53.74		50.0	107	52.99		50.0	106	53.11		50.0	106
Copper	26.72		25.0	107	23.13	J	25.0	93	23.47	J	25.0	94
Iron	170.5		150	114	160.1		150	107	161.1		150	107
Lead	11.97		10.0	120	11.48		10.0	115	12.07		10.0	121
Magnesium	5106		5000	102	4987	J	5000	100	4982	J	5000	100
Manganese	16.51		15.0	110	15.64		15.0	104	15.82		15.0	105
Nickel	43.38		40.0	108	43.50		40.0	109	44.02		40.0	110
Potassium	4907	J	5000	98	4759	J	5000	95	4749	J	5000	95
Selenium	15.36	J	20.0	77	17.87	J	20.0	89	20.63		20.0	103
Silver	9.91	J	10.0	99	8.97	J	10.0	90	9.35	J	10.0	93
Sodium	5047		5000	101	4746	J	5000	95	4709	J	5000	94
Thallium	22.80		20.0	114	21.88		20.0	109	23.72		20.0	119
Vanadium	50.62		50.0	101	50.50		50.0	101	50.29		50.0	101
Zinc	32.31		30.0	108	31.45		30.0	105	31.46		30.0	105

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.: 460-111006-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	CCVL 460-360851/87 04/05/2016 15:45											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	222.1		200	111								
Antimony	18.97	J	20.0	95								
Arsenic	14.61	J	15.0	97								
Barium	213.8		200	107								
Beryllium	2.08		2.00	104								
Cadmium	4.01		4.00	100								
Calcium	4915	J	5000	98								
Chromium	10.55		10.0	106								
Cobalt	53.04		50.0	106								
Copper	22.27	J	25.0	89								
Iron	159.5		150	106								
Lead	11.58		10.0	116								
Magnesium	4947	J	5000	99								
Manganese	15.60		15.0	104								
Nickel	44.08		40.0	110								
Potassium	4779	J	5000	96								
Selenium	17.24	J	20.0	86								
Silver	9.35	J	10.0	94								
Sodium	4617	J	5000	92								
Thallium	24.00		20.0	120								
Vanadium	50.38		50.0	101								
Zinc	31.14		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.: 460-111006-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-360851/8 04/05/2016 10:21		CCB 460-360851/60 04/05/2016 13:50		CCB 460-360851/73 04/05/2016 14:49		CCB 460-360851/86 04/05/2016 15:41	
		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
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-360758/1-A ^2
 Instrument Code: ICP4 Batch No.: 360851

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.: 460-111006-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-360851/10 Instrument ID: ICP4
 Lab File ID: 360453.asc ICS Source: ME_ICSA_Duo_00071
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	495800	99
Antimony		5.11	
Arsenic		-0.680	
Barium		-0.141	
Beryllium		0.0244	
Cadmium		0.335	
Calcium	500000	498500	100
Chromium		-1.12	
Cobalt		-3.39	
Copper		-1.16	
Iron	200000	194800	97
Lead		0.829	
Magnesium	500000	497100	99
Manganese		-4.16	
Nickel		-4.29	
Potassium		-76.0	
Selenium		-1.24	
Silver		-0.853	
Sodium		-40.2	
Thallium		3.40	
Vanadium		0.357	
Zinc		-2.35	
<i>Boron</i>		<i>-10.4</i>	
<i>Molybdenum</i>		<i>-1.31</i>	
<i>Strontium</i>		<i>-1.57</i>	
<i>Tin</i>		<i>4.54</i>	
<i>Titanium</i>		<i>-0.802</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.: 460-111006-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-360851/11 Instrument ID: ICP4
 Lab File ID: 360453.asc ICS Source: ME_ICSAB_DUO_00085
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	525000	105
Antimony	100	103	103
Arsenic	100	95.7	96
Barium	100	103	103
Beryllium	100	101	101
Cadmium	100	98.3	98
Calcium	500000	536800	107
Chromium	100	102	102
Cobalt	100	94.9	95
Copper	100	105	105
Iron	200000	208600	104
Lead	100	96.9	97
Magnesium	500000	533400	107
Manganese	100	102	102
Nickel	100	91.9	92
Potassium	10000	10390	104
Selenium	100	108	108
Silver	100	110	110
Sodium	10000	10630	106
Thallium	100	102	102
Vanadium	100	104	104
Zinc	100	96.8	97
<i>Boron</i>	<i>100</i>	<i>90.4</i>	<i>90</i>
<i>Molybdenum</i>	<i>100</i>	<i>97.1</i>	<i>97</i>
<i>Strontium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Tin</i>	<i>100</i>	<i>104</i>	<i>104</i>
<i>Titanium</i>	<i>100</i>	<i>105</i>	<i>105</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: 460-111461-K-1-C MS
 Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 84.9

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7336	5290	226	903	75-125	4	6010C
Antimony	34.37	44.0 U	56.6	61	75-125	N	6010C
Arsenic	210.8	33.0 U	226	93	75-125		6010C
Barium	879.2	1030	226	-67	75-125	4	6010C
Beryllium	5.64	4.4 U	5.66	100	75-125		6010C
Cadmium	7.04	8.8 U	5.66	124	75-125		6010C
Chromium	40.01	14.7 J	22.6	112	75-125		6010C
Cobalt	57.31	110 U	56.6	101	75-125		6010C
Copper	45.58	19.7 J	28.3	91	75-125		6010C
Iron	11430	11100	113	279	75-125	4	6010C
Magnesium	20080	23100	2260	-134	75-125	4	6010C
Manganese	210.5	165	56.6	80	75-125		6010C
Nickel	62.79	88.0 U	56.6	111	75-125		6010C
Potassium	2688	635 J	2260	91	75-125		6010C
Selenium	212.6	44.0 U	226	94	75-125		6010C
Silver	5.15	22.0 U	5.66	91	75-125		6010C
Sodium	2178	11000 U	2260	96	75-125		6010C
Thallium	213.3	44.0 U	226	94	75-125		6010C
Vanadium	72.64	16.6 J	56.6	99	75-125		6010C
Zinc	472.3	576	56.6	-182	75-125	4	6010C

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-111461-K-1-A PDS
 Lab Name: TestAmerica Edison Job No.: 460-111006-1
 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	5476	5290	440	NC	80-120		6010C
Antimony	101.0	44.0 U	110	92	80-120		6010C
Arsenic	413.3	33.0 U	440	94	80-120		6010C
Barium	1385	1030	440	80	80-120		6010C
Beryllium	10.83	4.4 U	11.0	98	80-120		6010C
Cadmium	12.27	8.8 U	11.0	111	80-120		6010C
Chromium	56.12	14.7 J	44.0	94	80-120		6010C
Cobalt	108.1	110 U	110	98	80-120		6010C
Copper	70.40	19.7 J	55.0	92	80-120		6010C
Iron	10060	11100	220	NC	80-120		6010C
Magnesium	25680	23100	4400	58	80-120	N	6010C
Manganese	245.2	165	110	73	80-120	N	6010C
Nickel	113.4	88.0 U	110	103	80-120		6010C
Potassium	4402	635 J	4400	86	80-120		6010C
Selenium	426.7	44.0 U	440	97	80-120		6010C
Silver	9.87	22.0 U	11.0	90	80-120		6010C
Sodium	4173	11000 U	4400	95	80-120		6010C
Thallium	428.9	44.0 U	440	97	80-120		6010C
Vanadium	121.5	16.6 J	110	95	80-120		6010C
Zinc	610.7	576	110	32	80-120	N	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.

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-111461-K-1-B DU
 Lab Name: TestAmerica Edison Job No.: 460-111006-1
 SDG No.: _____
 % Solids for Sample: 84.9 % Solids for Duplicate: 84.9
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	46.2	5070	5298	4		6010C
Antimony	4.6	4.4 U	4.6 U	NC		6010C
Arsenic	3.5	4.6	4.43	4		6010C
Barium	46.2	970	1026	6		6010C
Beryllium	0.46	0.44 U	0.46 U	NC		6010C
Cadmium	0.92	1.9	2.06	6		6010C
Chromium	2.3	13.5	14.41	6		6010C
Cobalt	11.5	4.3 J	4.55 J	5		6010C
Copper	5.8	18.2	19.06	5		6010C
Iron	34.6	10300	10770	4		6010C
Magnesium	1150	22600	23710	5		6010C
Manganese	3.5	154	160.6	4		6010C
Nickel	9.2	6.4 J	6.69 J	5		6010C
Potassium	1150	592 J	629.8 J	6		6010C
Selenium	4.6	4.4 U	4.6 U	NC		6010C
Silver	2.3	2.2 U	2.3 U	NC		6010C
Sodium	1150	196 J	203.9 J	4		6010C
Thallium	4.6	4.4 U	4.6 U	NC		6010C
Vanadium	11.5	15.7	16.66	6		6010C
Zinc	6.9	526	548.8	4		6010C

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-360758/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-111006-1

Sample Matrix: Solid

LCS Source: ME_LCSS_91_00001

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8080	6935		85.8	51.1	148.5		6010C
Antimony	123	73.71		59.9	1.0	200.0		6010C
Arsenic	145	135.1		93.2	79.3	121.4		6010C
Barium	209	207.3		99.2	83.3	117.2		6010C
Beryllium	97.3	92.76		95.3	82.6	117.2		6010C
Cadmium	87.6	85.02		97.1	82.6	117.6		6010C
Calcium	5690	5337		93.8	81.0	118.8		6010C
Chromium	143	141.4		98.8	79.7	119.6		6010C
Cobalt	154	152.5		99.0	83.8	115.6		6010C
Copper	173	159.3		92.1	81.5	117.9		6010C
Iron	15000	13160		87.8	46.8	154.0		6010C
Lead	146	151.8		103.9	81.5	118.5		6010C
Magnesium	2640	2408		91.2	76.5	123.5		6010C
Manganese	309	300.4		97.2	81.6	118.8		6010C
Nickel	129	133.1		103.2	82.9	117.1		6010C
Potassium	2400	2090		87.1	71.7	128.3		6010C
Selenium	178	170.0		95.5	78.7	121.3		6010C
Silver	31.3	27.80		88.8	75.1	124.9		6010C
Sodium	869	742.9	J	85.5	72.7	126.6		6010C
Thallium	141	144.7		102.6	79.4	121.3		6010C
Vanadium	115	106.7		92.8	77.6	122.6		6010C
Zinc	194	190.4		98.1	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: 460-111461-K-1-A SD

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-111006-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	5290		5057		4.4		6010C
Antimony	44.0	U	22.0	U	NC		6010C
Arsenic	33.0	U	8.42	J	NC		6010C
Barium	1030		986.1		NC		6010C
Beryllium	4.4	U	2.2	U	NC		6010C
Cadmium	8.8	U	4.4	U	NC		6010C
Chromium	14.7	J	14.17		NC		6010C
Cobalt	110	U	55.0	U	NC		6010C
Copper	19.7	J	17.57	J	NC		6010C
Iron	11100		10610		4.5		6010C
Magnesium	23100		22050		NC		6010C
Manganese	165		157.1		4.9		6010C
Nickel	88.0	U	44.0	U	NC		6010C
Potassium	635	J	587.4	J	NC		6010C
Selenium	44.0	U	22.0	U	NC		6010C
Silver	22.0	U	11.0	U	NC		6010C
Sodium	11000	U	5500	U	NC		6010C
Thallium	44.0	U	22.0	U	NC		6010C
Vanadium	16.6	J	15.53	J	NC		6010C
Zinc	576		547.6		4.9		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: 460-111006-1
 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: 460-111006-1
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.: 460-111006-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-360758/1-A ^2	04/05/2016 07:40	360758	1.00		50
LCSSRM 460-360758/2-A ^4	04/05/2016 07:40	360758	1.02		50
460-111461-K-1-B DU	04/05/2016 07:40	360758	1.02		50
460-111461-K-1-C MS	04/05/2016 07:40	360758	1.04		50
460-111006-1	04/05/2016 07:40	360758	1.05		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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 460-360851/1	1		09:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			09:57																				
ZZZZZZ			10:01																				
ZZZZZZ			10:05																				
ZZZZZZ			10:09																				
ZZZZZZ			10:13																				
ICV 460-360851/7	1		10:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-360851/8	1		10:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-360851/9	1		10:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-360851/10	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-360851/11	1		10:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:37																				
ZZZZZZ			10:41																				
ZZZZZZ			10:45																				
ZZZZZZ			10:49																				
ZZZZZZ			10:53																				
ZZZZZZ			10:57																				
ZZZZZZ			11:01																				
ZZZZZZ			11:05																				
CCV 460-360851/20			11:09																				
CCB 460-360851/21			11:13																				
CCVL 460-360851/22			11:17																				
ZZZZZZ			11:21																				
ZZZZZZ			11:25																				
ZZZZZZ			11:29																				
ZZZZZZ			11:33																				
ZZZZZZ			11:36																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:48																				
ZZZZZZ			11:52																				
ZZZZZZ			11:56																				
CCV 460-360851/33			12:00																				
CCB 460-360851/34			12:04																				
CCVL 460-360851/35			12:08																				
ZZZZZZ			12:12																				
ZZZZZZ			12:16																				
ZZZZZZ			12:20																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
ZZZZZZ			12:32																				
ZZZZZZ			12:36																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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
ZZZZZZ			12:40																				
ZZZZZZ			12:44																				
ZZZZZZ			12:48																				
CCV 460-360851/46			12:52																				
CCB 460-360851/47			12:56																				
CCVL 460-360851/48			13:00																				
ZZZZZZ			13:04																				
ZZZZZZ			13:09																				
ZZZZZZ			13:13																				
ZZZZZZ			13:17																				
ZZZZZZ			13:21																				
ZZZZZZ			13:26																				
ZZZZZZ			13:30																				
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:42																				
CCV 460-360851/59	1		13:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-360851/60	1		13:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-360851/61	1		13:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			14:05																				
ZZZZZZ			14:09																				
ZZZZZZ			14:14																				
MB 460-360758/1-A ^2	2	T	14:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-360758/2-A ^4	4	T	14:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-111461-K-1-B DU	4	T	14:26	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	
ZZZZZZ			14:30																				
460-111461-K-1-A SD	20	T	14:34	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	
460-111461-K-1-C MS	4	T	14:38	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	
460-111461-K-1-A PDS	4	T	14:41	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	
CCV 460-360851/72	1		14:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-360851/73	1		14:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-360851/74	1		14:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	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																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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
460-111006-1	4	T	15:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-360851/85	1		15:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-360851/86	1		15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-360851/87	1		15:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:58																				
ZZZZZZ			16:02																				
ZZZZZZ			16:06																				
ZZZZZZ			16:10																				
ZZZZZZ			16:14																				
ZZZZZZ			16:18																				
ZZZZZZ			16:22																				
ZZZZZZ			16:26																				
ZZZZZZ			16:30																				
ZZZZZZ			16:34																				
CCV 460-360851/98			16:38																				
CCB 460-360851/99			16:42																				
CCVL 460-360851/100			16:46																				
ZZZZZZ			16:52																				
ZZZZZZ			16:56																				
ZZZZZZ			17:00																				
ZZZZZZ			17:04																				
ZZZZZZ			17:08																				
ZZZZZZ			17:12																				
ZZZZZZ			17:16																				
ZZZZZZ			17:20																				
ZZZZZZ			17:24																				
ZZZZZZ			17:28																				
CCV 460-360851/111			17:33																				
CCB 460-360851/112			17:36																				
CCVL 460-360851/113			17:41																				
ZZZZZZ			17:45																				
ZZZZZZ			17:49																				
ZZZZZZ			17:53																				
ZZZZZZ			17:57																				
ZZZZZZ			18:01																				
ZZZZZZ			18:05																				
ZZZZZZ			18:10																				
ZZZZZZ			18:14																				
ZZZZZZ			18:18																				
ZZZZZZ			18:23																				
CCV 460-360851/124			18:27																				
CCB 460-360851/125			18:31																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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 460-360851/126			18:35																			
ZZZZZZ			18:39																			
ZZZZZZ			18:43																			
ZZZZZZ			18:48																			
ZZZZZZ			18:52																			
ZZZZZZ			18:56																			
ZZZZZZ			19:01																			
ZZZZZZ			19:05																			
ZZZZZZ			19:09																			
ZZZZZZ			19:13																			
ZZZZZZ			19:18																			
CCV 460-360851/137			19:22																			
CCB 460-360851/138			19:26																			
CCVL 460-360851/139			19:30																			
ZZZZZZ			19:34																			
ZZZZZZ			19:39																			
ZZZZZZ			19:43																			
ZZZZZZ			19:47																			
ZZZZZZ			19:52																			
ZZZZZZ			19:56																			
ZZZZZZ			20:00																			
ZZZZZZ			20:04																			
ZZZZZZ			20:08																			
ZZZZZZ			20:12																			
CCV 460-360851/150			20:16																			
CCB 460-360851/151			20:20																			
CCVL 460-360851/152			20:25																			
ZZZZZZ			20:34																			
ZZZZZZ			20:38																			
ZZZZZZ			20:42																			
ZZZZZZ			20:47																			
ZZZZZZ			20:51																			
ZZZZZZ			20:55																			
ZZZZZZ			20:59																			
ZZZZZZ			21:03																			
ZZZZZZ			21:07																			
ZZZZZZ			21:11																			
CCV 460-360851/163			21:15																			
CCB 460-360851/164			21:19																			
CCVL 460-360851/165			21:24																			
ZZZZZZ			21:30																			
ZZZZZZ			21:34																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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
ZZZZZZZ			21:38																			
ZZZZZZZ			21:42																			
ZZZZZZZ			21:47																			
ZZZZZZZ			21:51																			
ZZZZZZZ			21:55																			
ZZZZZZZ			21:59																			
ZZZZZZZ			22:03																			
ZZZZZZZ			22:07																			
CCV 460-360851/176			22:12																			
CCB 460-360851/177			22:16																			
CCVL 460-360851/178			22:20																			
ZZZZZZZ			22:24																			
ZZZZZZZ			22:29																			
ZZZZZZZ			22:33																			
ZZZZZZZ			22:37																			
ZZZZZZZ			22:41																			
ZZZZZZZ			22:45																			
ZZZZZZZ			22:49																			
ZZZZZZZ			22:53																			
ZZZZZZZ			22:57																			
ZZZZZZZ			23:01																			
CCV 460-360851/189			23:06																			
CCB 460-360851/190			23:10																			
CCVL 460-360851/191			23:14																			
ZZZZZZZ			23:18																			
ZZZZZZZ			23:22																			
ZZZZZZZ			23:27																			
ZZZZZZZ			23:31																			
ZZZZZZZ			23:35																			
ZZZZZZZ			23:39																			
ZZZZZZZ			23:43																			
ZZZZZZZ			23:47																			
ZZZZZZZ			23:52																			
ZZZZZZZ			23:56																			
CCV 460-360851/202			00:00																			
CCB 460-360851/203			00:04																			
CCVL 460-360851/204			00:08																			
ZZZZZZZ			00:12																			
ZZZZZZZ			00:16																			
ZZZZZZZ			00:20																			
ZZZZZZZ			00:24																			
ZZZZZZZ			00:28																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			00:32																			
ZZZZZZ			00:36																			
ZZZZZZ			00:40																			
ZZZZZZ			00:44																			
ZZZZZZ			00:48																			
CCV 460-360851/215			00:52																			
CCB 460-360851/216			00:56																			
CCVL 460-360851/217			01:00																			
ZZZZZZ			01:04																			
ZZZZZZ			01:08																			
ZZZZZZ			01:11																			
ZZZZZZ			01:15																			
ZZZZZZ			01:19																			
ZZZZZZ			01:23																			
ZZZZZZ			01:27																			
ZZZZZZ			01:31																			
ZZZZZZ			01:35																			
ZZZZZZ			01:38																			
CCV 460-360851/228			01:42																			
CCB 460-360851/229			01:46																			
CCVL 460-360851/230			01:50																			
ZZZZZZ			01:54																			
ZZZZZZ			01:58																			
ZZZZZZ			02:02																			
ZZZZZZ			02:06																			
ZZZZZZ			02:10																			
ZZZZZZ			02:14																			
ZZZZZZ			02:18																			
ZZZZZZ			02:22																			
ZZZZZZ			02:25																			
ZZZZZZ			02:29																			
CCV 460-360851/241			02:33																			
CCB 460-360851/242			02:37																			
CCVL 460-360851/243			02:41																			
ZZZZZZ			02:45																			
ZZZZZZ			02:49																			
CCV 460-360851/246			02:53																			
CCB 460-360851/247			02:56																			
CCVL 460-360851/248			03:00																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-360851/1	1		09:53	X	X																
ZZZZZZ			09:57																		
ZZZZZZ			10:01																		
ZZZZZZ			10:05																		
ZZZZZZ			10:09																		
ZZZZZZ			10:13																		
ICV 460-360851/7	1		10:17	X	X																
ICB 460-360851/8	1		10:21	X	X																
ICVL 460-360851/9	1		10:25	X	X																
ICSA 460-360851/10	1		10:29	X	X																
ICSAB 460-360851/11	1		10:33	X	X																
ZZZZZZ			10:37																		
ZZZZZZ			10:41																		
ZZZZZZ			10:45																		
ZZZZZZ			10:49																		
ZZZZZZ			10:53																		
ZZZZZZ			10:57																		
ZZZZZZ			11:01																		
ZZZZZZ			11:05																		
CCV 460-360851/20			11:09																		
CCB 460-360851/21			11:13																		
CCVL 460-360851/22			11:17																		
ZZZZZZ			11:21																		
ZZZZZZ			11:25																		
ZZZZZZ			11:29																		
ZZZZZZ			11:33																		
ZZZZZZ			11:36																		
ZZZZZZ			11:41																		
ZZZZZZ			11:44																		
ZZZZZZ			11:48																		
ZZZZZZ			11:52																		
ZZZZZZ			11:56																		
CCV 460-360851/33			12:00																		
CCB 460-360851/34			12:04																		
CCVL 460-360851/35			12:08																		
ZZZZZZ			12:12																		
ZZZZZZ			12:16																		
ZZZZZZ			12:20																		
ZZZZZZ			12:24																		
ZZZZZZ			12:28																		
ZZZZZZ			12:32																		
ZZZZZZ			12:36																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			12:40																		
ZZZZZZ			12:44																		
ZZZZZZ			12:48																		
CCV 460-360851/46			12:52																		
CCB 460-360851/47			12:56																		
CCVL 460-360851/48			13:00																		
ZZZZZZ			13:04																		
ZZZZZZ			13:09																		
ZZZZZZ			13:13																		
ZZZZZZ			13:17																		
ZZZZZZ			13:21																		
ZZZZZZ			13:26																		
ZZZZZZ			13:30																		
ZZZZZZ			13:34																		
ZZZZZZ			13:38																		
ZZZZZZ			13:42																		
CCV 460-360851/59	1		13:47	X	X																
CCB 460-360851/60	1		13:50	X	X																
CCVL 460-360851/61	1		13:55	X	X																
ZZZZZZ			14:05																		
ZZZZZZ			14:09																		
ZZZZZZ			14:14																		
MB 460-360758/1-A ^2	2	T	14:18	X	X																
LCSSRM 460-360758/2-A ^4	4	T	14:22	X	X																
460-111461-K-1-B DU	4	T	14:26	X	X																
ZZZZZZ			14:30																		
460-111461-K-1-A SD	20	T	14:34	X	X																
460-111461-K-1-C MS	4	T	14:38	X	X																
460-111461-K-1-A PDS	4	T	14:41	X	X																
CCV 460-360851/72	1		14:45	X	X																
CCB 460-360851/73	1		14:49	X	X																
CCVL 460-360851/74	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																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
460-111006-1	4	T	15:33	X	X																
CCV 460-360851/85	1		15:37	X	X																
CCB 460-360851/86	1		15:41	X	X																
CCVL 460-360851/87	1		15:45	X	X																
ZZZZZZ			15:58																		
ZZZZZZ			16:02																		
ZZZZZZ			16:06																		
ZZZZZZ			16:10																		
ZZZZZZ			16:14																		
ZZZZZZ			16:18																		
ZZZZZZ			16:22																		
ZZZZZZ			16:26																		
ZZZZZZ			16:30																		
ZZZZZZ			16:34																		
CCV 460-360851/98			16:38																		
CCB 460-360851/99			16:42																		
CCVL 460-360851/100			16:46																		
ZZZZZZ			16:52																		
ZZZZZZ			16:56																		
ZZZZZZ			17:00																		
ZZZZZZ			17:04																		
ZZZZZZ			17:08																		
ZZZZZZ			17:12																		
ZZZZZZ			17:16																		
ZZZZZZ			17:20																		
ZZZZZZ			17:24																		
ZZZZZZ			17:28																		
CCV 460-360851/111			17:33																		
CCB 460-360851/112			17:36																		
CCVL 460-360851/113			17:41																		
ZZZZZZ			17:45																		
ZZZZZZ			17:49																		
ZZZZZZ			17:53																		
ZZZZZZ			17:57																		
ZZZZZZ			18:01																		
ZZZZZZ			18:05																		
ZZZZZZ			18:10																		
ZZZZZZ			18:14																		
ZZZZZZ			18:18																		
ZZZZZZ			18:23																		
CCV 460-360851/124			18:27																		
CCB 460-360851/125			18:31																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCVL 460-360851/126			18:35																		
ZZZZZZ			18:39																		
ZZZZZZ			18:43																		
ZZZZZZ			18:48																		
ZZZZZZ			18:52																		
ZZZZZZ			18:56																		
ZZZZZZ			19:01																		
ZZZZZZ			19:05																		
ZZZZZZ			19:09																		
ZZZZZZ			19:13																		
ZZZZZZ			19:18																		
CCV 460-360851/137			19:22																		
CCB 460-360851/138			19:26																		
CCVL 460-360851/139			19:30																		
ZZZZZZ			19:34																		
ZZZZZZ			19:39																		
ZZZZZZ			19:43																		
ZZZZZZ			19:47																		
ZZZZZZ			19:52																		
ZZZZZZ			19:56																		
ZZZZZZ			20:00																		
ZZZZZZ			20:04																		
ZZZZZZ			20:08																		
ZZZZZZ			20:12																		
CCV 460-360851/150			20:16																		
CCB 460-360851/151			20:20																		
CCVL 460-360851/152			20:25																		
ZZZZZZ			20:34																		
ZZZZZZ			20:38																		
ZZZZZZ			20:42																		
ZZZZZZ			20:47																		
ZZZZZZ			20:51																		
ZZZZZZ			20:55																		
ZZZZZZ			20:59																		
ZZZZZZ			21:03																		
ZZZZZZ			21:07																		
ZZZZZZ			21:11																		
CCV 460-360851/163			21:15																		
CCB 460-360851/164			21:19																		
CCVL 460-360851/165			21:24																		
ZZZZZZ			21:30																		
ZZZZZZ			21:34																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			21:38																		
ZZZZZZ			21:42																		
ZZZZZZ			21:47																		
ZZZZZZ			21:51																		
ZZZZZZ			21:55																		
ZZZZZZ			21:59																		
ZZZZZZ			22:03																		
ZZZZZZ			22:07																		
CCV 460-360851/176			22:12																		
CCB 460-360851/177			22:16																		
CCVL 460-360851/178			22:20																		
ZZZZZZ			22:24																		
ZZZZZZ			22:29																		
ZZZZZZ			22:33																		
ZZZZZZ			22:37																		
ZZZZZZ			22:41																		
ZZZZZZ			22:45																		
ZZZZZZ			22:49																		
ZZZZZZ			22:53																		
ZZZZZZ			22:57																		
ZZZZZZ			23:01																		
CCV 460-360851/189			23:06																		
CCB 460-360851/190			23:10																		
CCVL 460-360851/191			23:14																		
ZZZZZZ			23:18																		
ZZZZZZ			23:22																		
ZZZZZZ			23:27																		
ZZZZZZ			23:31																		
ZZZZZZ			23:35																		
ZZZZZZ			23:39																		
ZZZZZZ			23:43																		
ZZZZZZ			23:47																		
ZZZZZZ			23:52																		
ZZZZZZ			23:56																		
CCV 460-360851/202			00:00																		
CCB 460-360851/203			00:04																		
CCVL 460-360851/204			00:08																		
ZZZZZZ			00:12																		
ZZZZZZ			00:16																		
ZZZZZZ			00:20																		
ZZZZZZ			00:24																		
ZZZZZZ			00:28																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111006-1

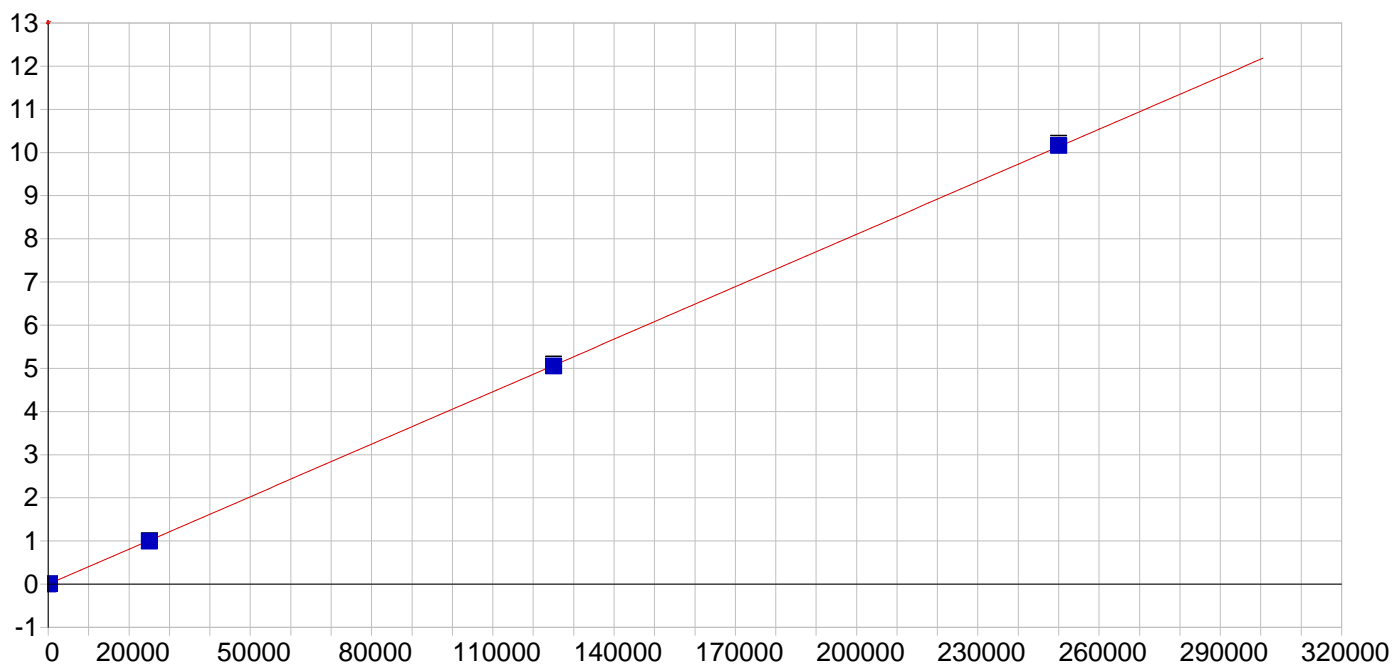
SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			00:32																		
ZZZZZZ			00:36																		
ZZZZZZ			00:40																		
ZZZZZZ			00:44																		
ZZZZZZ			00:48																		
CCV 460-360851/215			00:52																		
CCB 460-360851/216			00:56																		
CCVL 460-360851/217			01:00																		
ZZZZZZ			01:04																		
ZZZZZZ			01:08																		
ZZZZZZ			01:11																		
ZZZZZZ			01:15																		
ZZZZZZ			01:19																		
ZZZZZZ			01:23																		
ZZZZZZ			01:27																		
ZZZZZZ			01:31																		
ZZZZZZ			01:35																		
ZZZZZZ			01:38																		
CCV 460-360851/228			01:42																		
CCB 460-360851/229			01:46																		
CCVL 460-360851/230			01:50																		
ZZZZZZ			01:54																		
ZZZZZZ			01:58																		
ZZZZZZ			02:02																		
ZZZZZZ			02:06																		
ZZZZZZ			02:10																		
ZZZZZZ			02:14																		
ZZZZZZ			02:18																		
ZZZZZZ			02:22																		
ZZZZZZ			02:25																		
ZZZZZZ			02:29																		
CCV 460-360851/241			02:33																		
CCB 460-360851/242			02:37																		
CCVL 460-360851/243			02:41																		
ZZZZZZ			02:45																		
ZZZZZZ			02:49																		
CCV 460-360851/246			02:53																		
CCB 460-360851/247			02:56																		
CCVL 460-360851/248			03:00																		

Prep Types
T = Total/NA

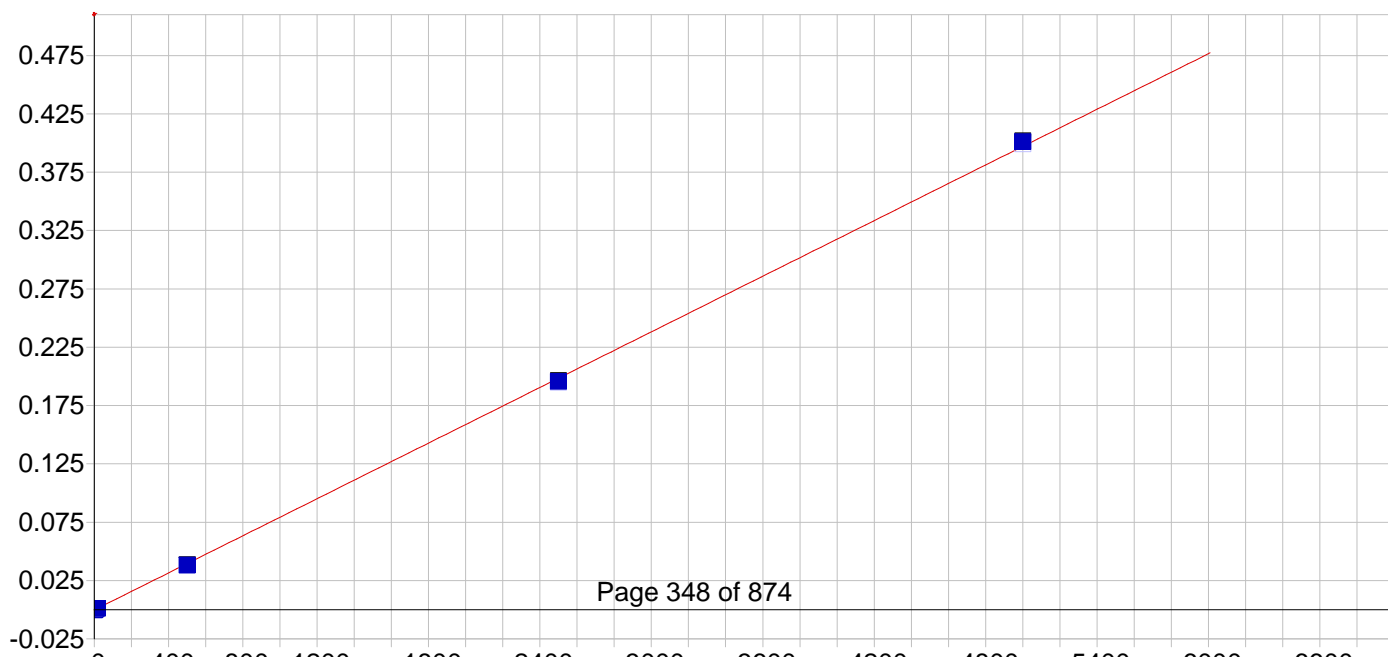


AI 396.152 { 85}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

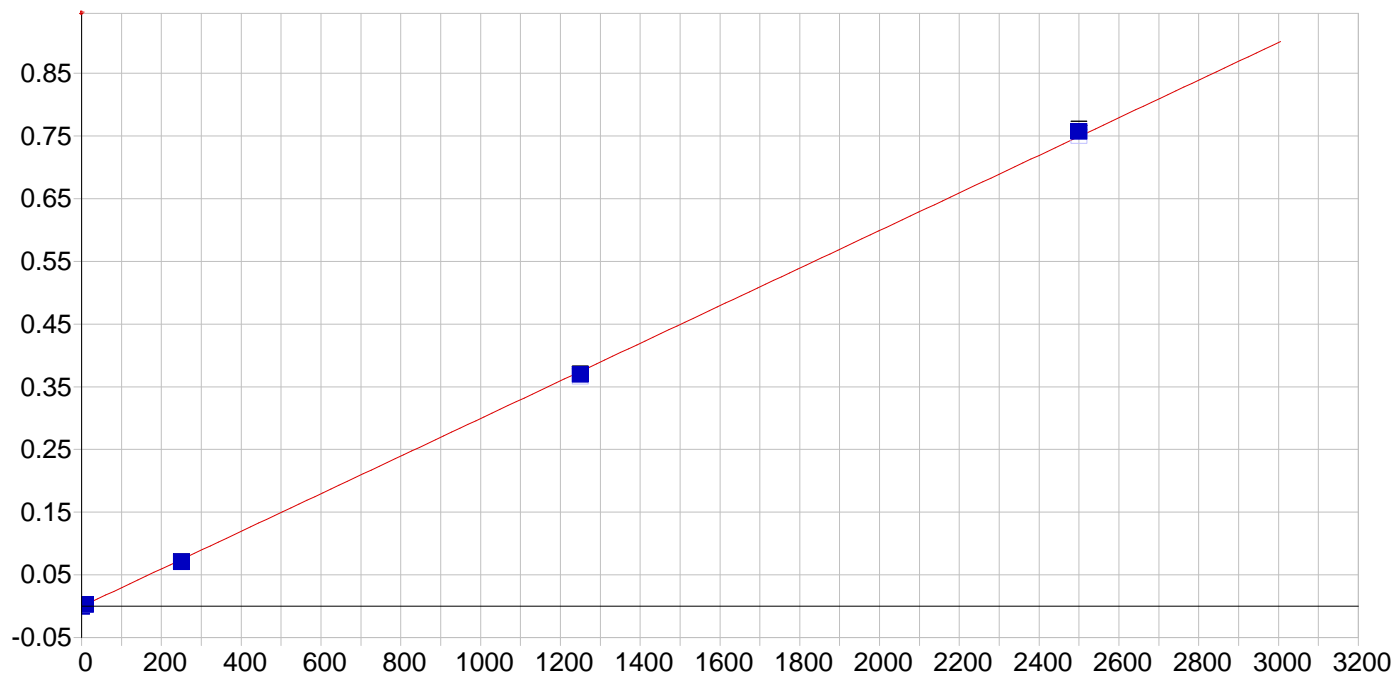
A0 (Offset): -0.000408 Re-Slope: 1.000000
 A1 (Gain): 0.000041 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982 Status: OK.
 Std Error of Est: 0.000088
 Predicted MDL: 12.695850
 Predicted MQL: 42.319501

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.03014	-.030	.000	-.00041	.001	1
CAL2	200.00	233.21	33.2	16.6	.00907	.001	1
CAL3	25000.	24614.	-386.	-1.55	.99816	.006	1
CAL4	125000.	124680.	-320.	-.256	5.0577	.035	1
CAL5	250000.	250670.	673.	.269	10.169	.042	1



Std Error of Est: 0.000009
 Predicted MDL: 2.087115
 Predicted MQL: 6.957049

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00135	-.001	.000	-.00021	.000	1
CAL2	15.000	15.730	.730	4.87	.00105	.000	1
CAL3	500.00	483.24	-16.8	-3.35	.03800	.000	1
CAL4	2500.0	2465.3	-34.7	-1.39	.19472	.001	1
CAL5	5000.0	5049.4	49.4	.989	.39908	.001	1
CAL1	5.0000	6.2946	1.29	25.9	.00029	.000	1

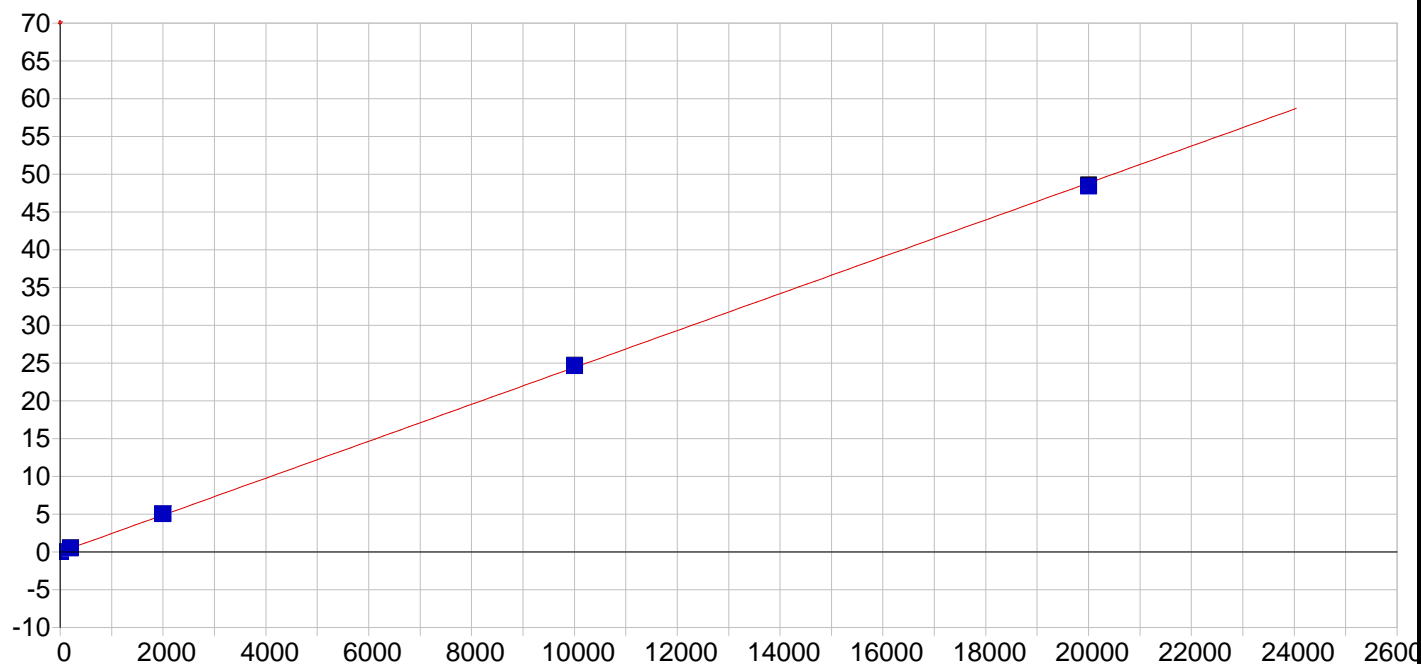


Ag 328.068 {103}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000473 Re-Slope: 1.000000
 A1 (Gain): 0.000300 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999873 Status: OK.
 Std Error of Est: 0.000039
 Predicted MDL: 0.478052
 Predicted MQL: 1.593508

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00055	.001	.000	-.00047	.000	1
CAL2	10.000	9.9212	-.079	-.788	.00248	.000	1
CAL3	250.00	238.64	-11.4	-4.54	.07045	.000	1
CAL4	1250.0	1234.5	-15.5	-1.24	.36651	.001	1
CAL5	2500.0	2527.0	27.0	1.08	.75091	.004	1

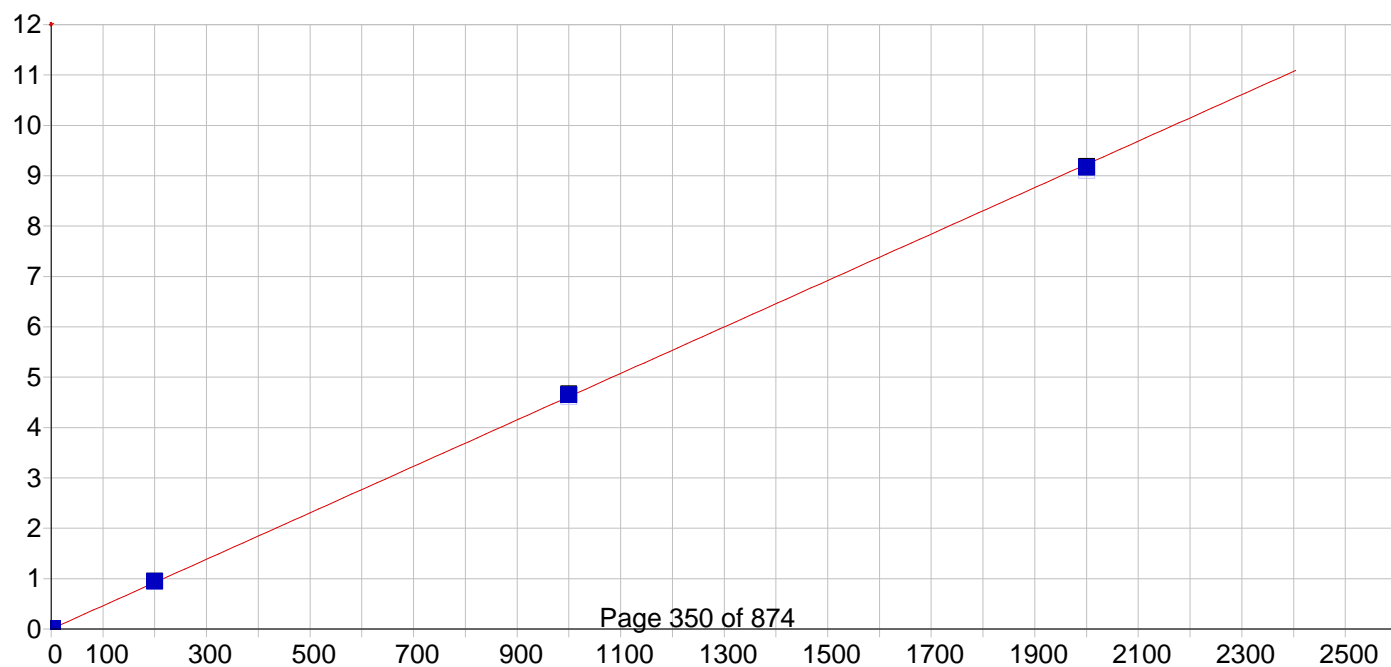


Ba 233.527 {445}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

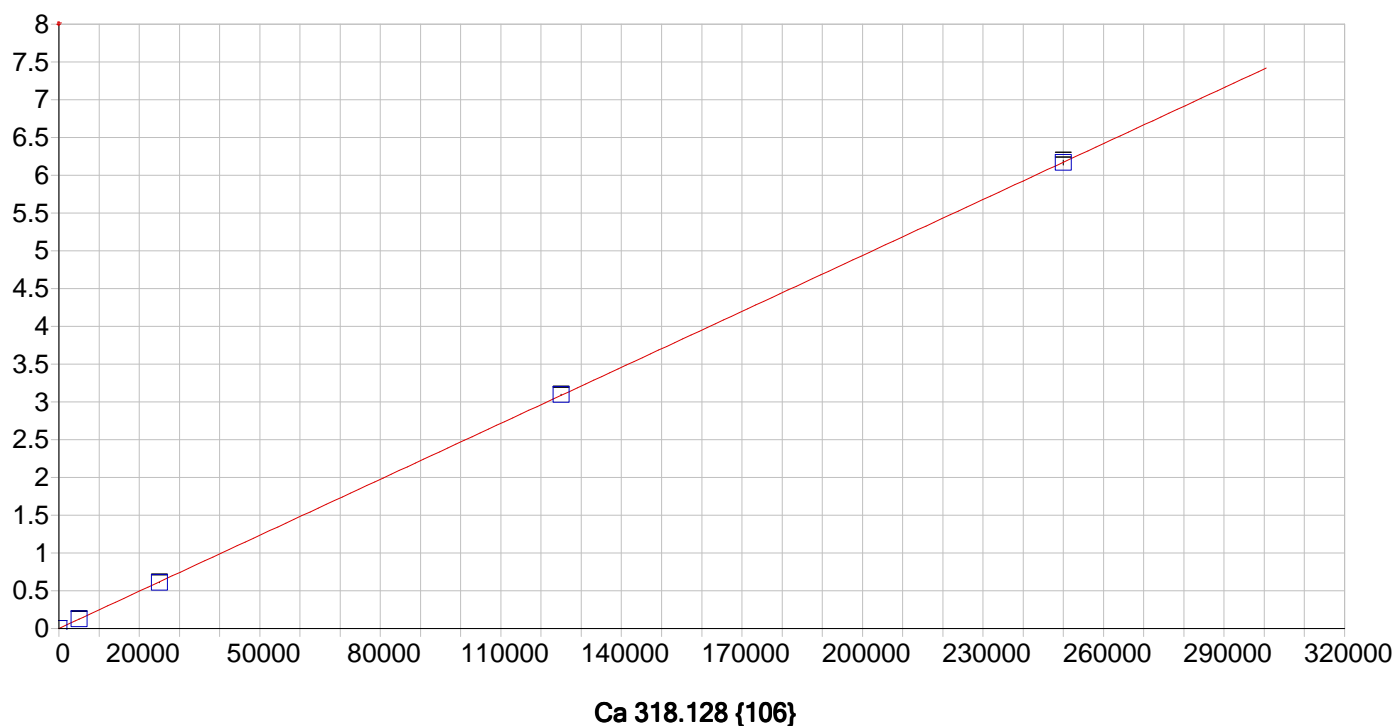
A0 (Offset): 0.000194 Re-Slope: 1.000000
 A1 (Gain): 0.002442 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999913 Status: OK.
 Std Error of Est: 0.003326
 Predicted MDL: 0.123715
 Predicted MQL: 0.412382

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.01944		-.019	.000	.00015	.000	1
CAL2	200.00		212.41		12.4	6.21	.51874	.004	1
CAL3	2000.0		2069.0		69.0	3.45	5.0451	.018	1
CAL4	10000.		10094.		93.9	.939	24.612	.049	1
CAL5	20000.		19825.		-175.	-.877	48.337	.135	1



Predicted MDL: 0.096244
Predicted MQL: 0.320812

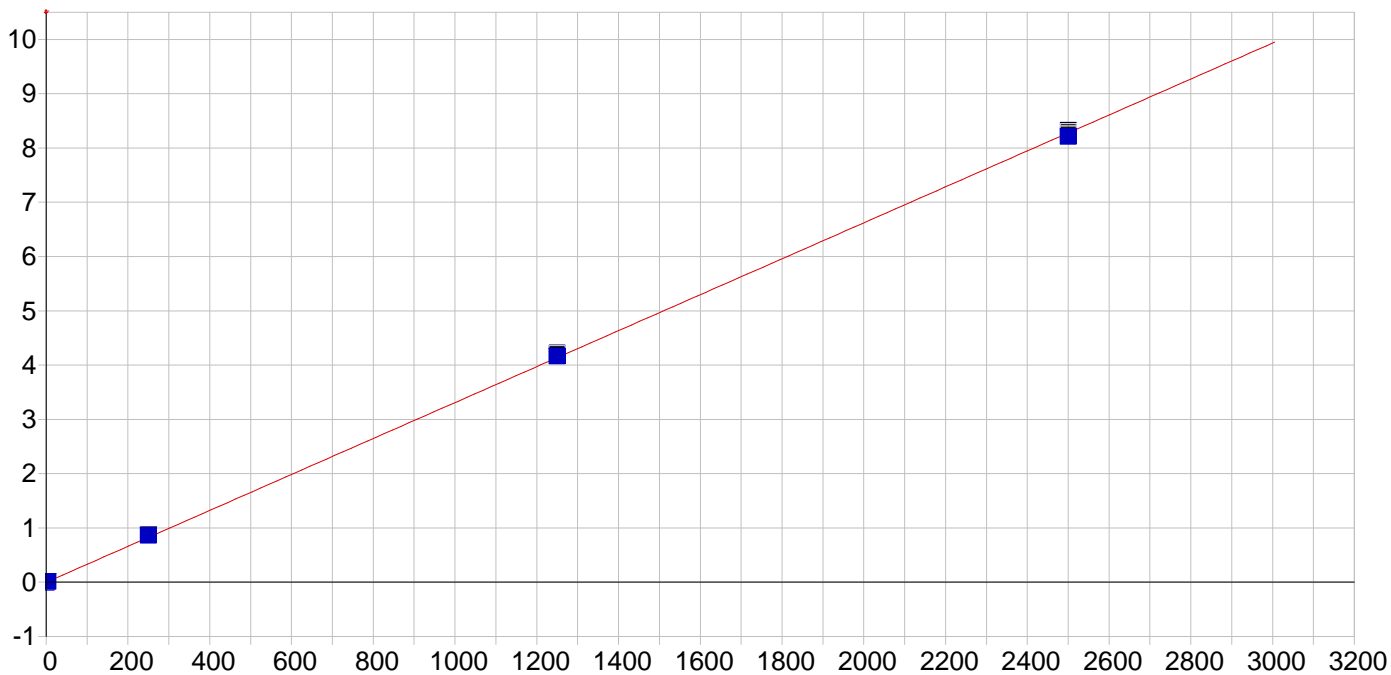
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00015	-.000	.000	.00033	.000	1
CAL2	2.0000	2.1001	.100	5.01	.00995	.000	1
CAL3	200.00	204.67	4.67	2.33	.93763	.001	1
CAL4	1000.0	1008.1	8.11	.811	4.6166	.016	1
CAL5	2000.0	1987.1	-12.9	-.644	9.0986	.018	1



Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000214 Re-Slope: 1.000000
A1 (Gain): 0.000025 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999993 Status: OK.
Std Error of Est: 0.000175
Predicted MDL: 5.116408
Predicted MQL: 17.054693

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02312	-.023	.000	.00021	.000	1
CAL2	5000.0	5071.6	71.6	1.43	.12544	.001	1
CAL3	25000.	24696.	-304.	-1.22	.60997	.004	1
CAL4	125000.	125390.	386.	.309	3.0961	.006	1
CAL5	250000.	249850.	-153.	-.061	6.1691	.032	1

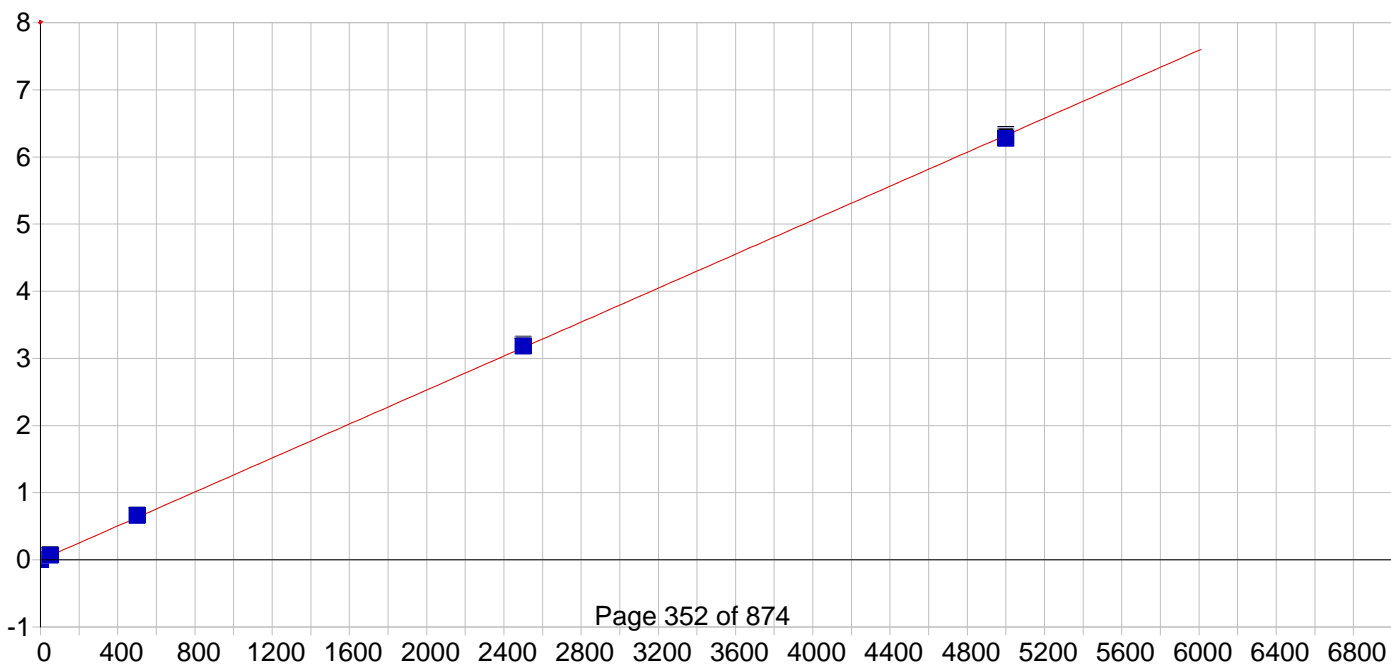


Cd 226.502 {449}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

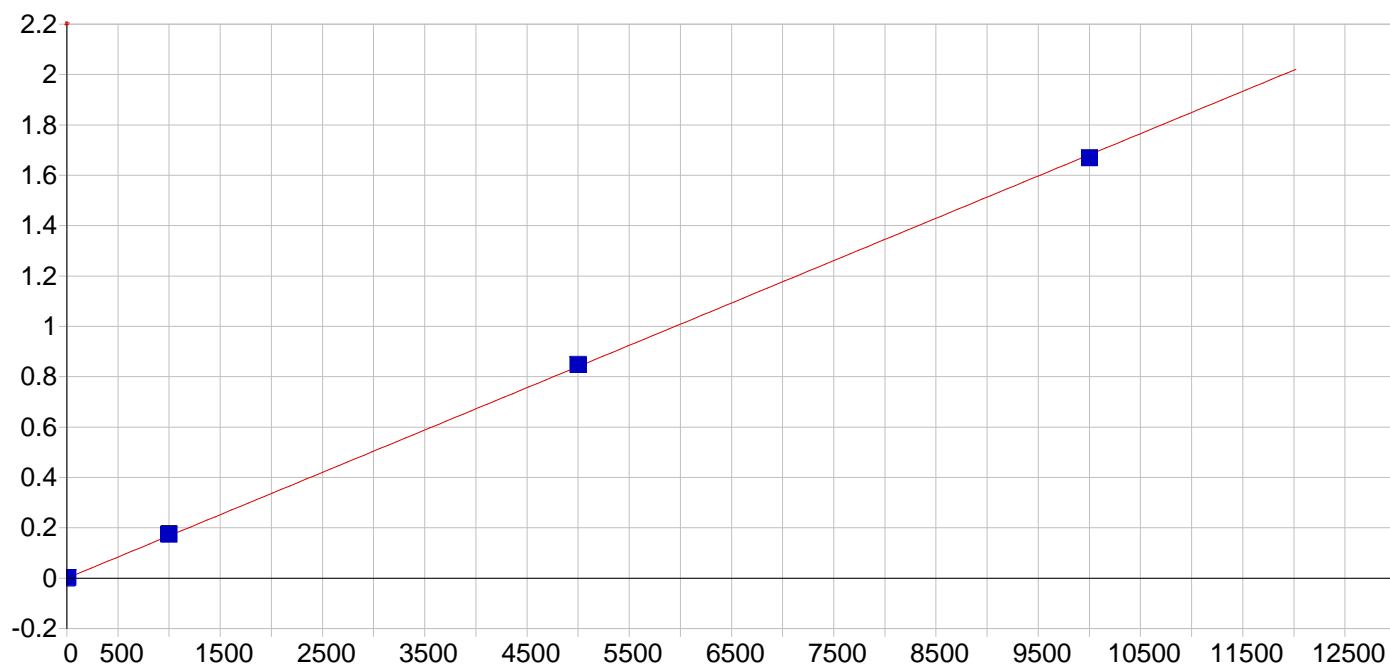
A0 (Offset): -0.001742 Re-Slope: 1.000000
 A1 (Gain): 0.003312 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999917 Status: OK.
 Std Error of Est: 0.000223
 Predicted MDL: 0.110790
 Predicted MQL: 0.369300

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00038		-.000	.000	-.00174	.000	1
CAL2	4.0000		4.2136		.214	5.34	.01228	.000	1
CAL3	250.00		260.69		10.7	4.28	.87060	.003	1
CAL4	1250.0		1258.5		8.55	.684	4.2112	.009	1
CAL5	2500.0		2480.5		-19.5	-.778	8.3031	.022	1



Predicted MDL: 0.243849
 Predicted MQL: 0.812829

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00628		-.006	.000	-.00097	.000	1
CAL2	50.000		54.298		4.30	8.60	.06773	.000	1
CAL3	500.00		520.81		20.8	4.16	.66207	.002	1
CAL4	2500.0		2515.2		15.2	.606	3.2018	.005	1
CAL5	5000.0		4959.8		-40.2	-.805	6.3153	.015	1

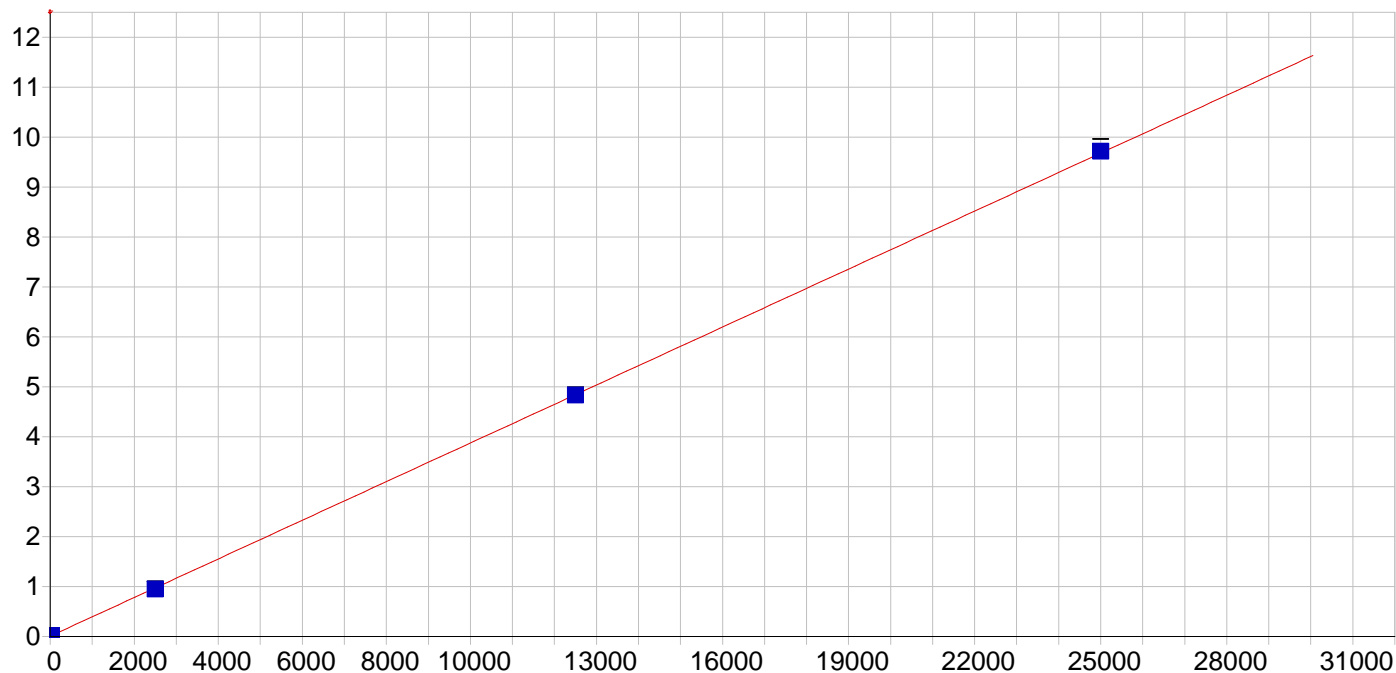


Cr 267.716 {126}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000038 Re-Slope: 1.000000
 A1 (Gain): 0.000168 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999932 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.506248
 Predicted MQL: 1.687493

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00080		-.001	.000	-.00004	.000	1
CAL2	10.000		10.451		.451	4.51	.00173	.000	1
CAL3	1000.0		1034.6		34.6	3.46	.17393	.001	1
CAL4	5000.0		5042.7		42.7	.855	.84790	.001	1
CAL5	10000.		9922.2		-77.8	-.778	1.6684	.001	1

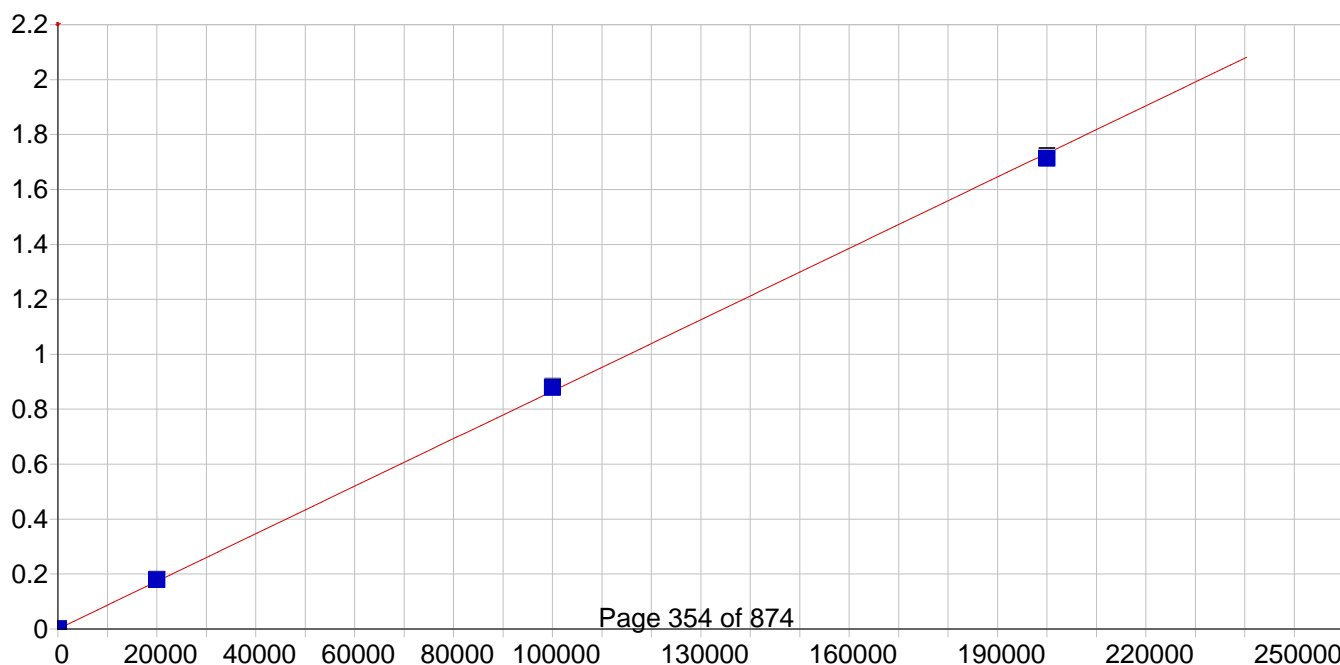


Cu 324.754 {104}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

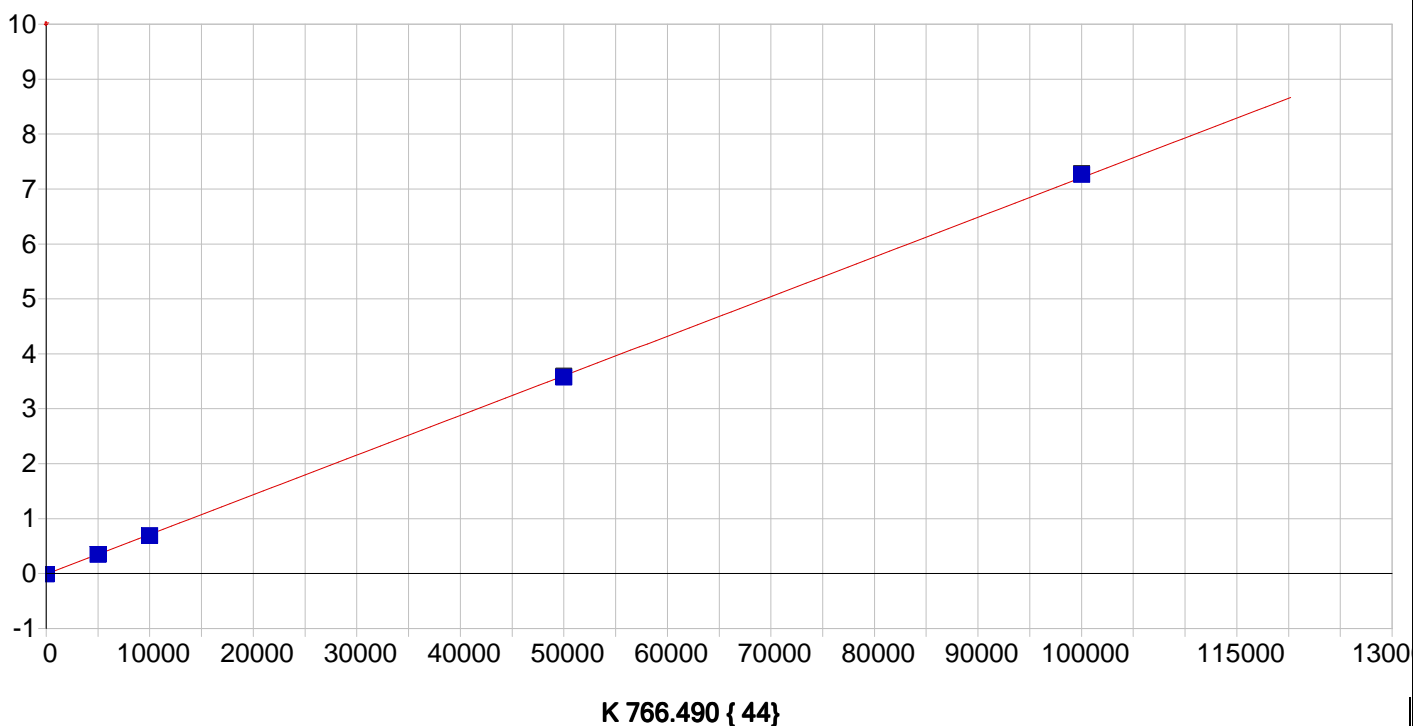
A0 (Offset): 0.006530 Re-Slope: 1.000000
 A1 (Gain): 0.000387 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999970 Status: OK.
 Std Error of Est: 0.000122
 Predicted MDL: 0.290191
 Predicted MQL: 0.967302

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00056		.001	.000	.00653	.000	1
CAL2	25.000		25.100		.100	.400	.01623	.000	1
CAL3	2500.0		2429.2		-70.8	-2.83	.94592	.003	1
CAL4	12500.		12477.		-23.0	-.184	4.8314	.005	1
CAL5	25000.		25094.		93.7	.375	9.7104	.093	1



Predicted MDL: 9.749069
 Predicted MQL: 32.496898

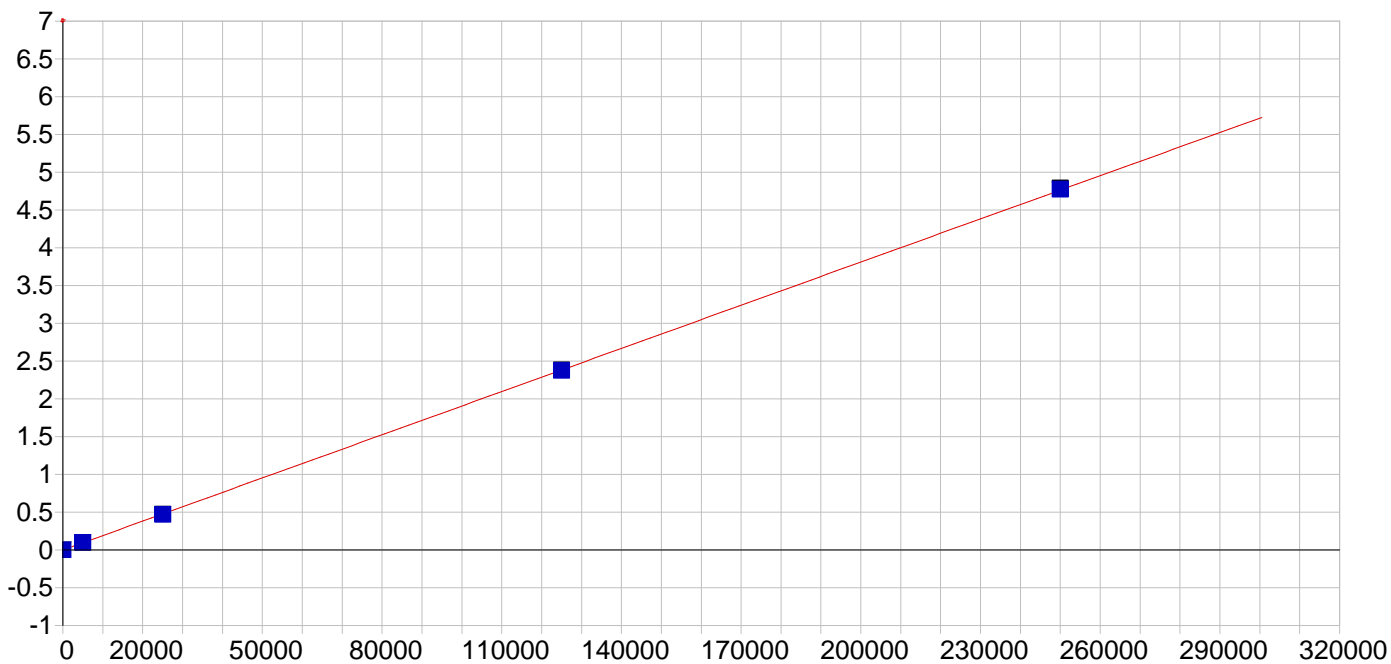
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.03171	-.032	.000	.00022	.000	1
CAL2	150.00	175.83	25.8	17.2	.00177	.000	1
CAL3	20000.	20707.	707.	3.54	.17986	.001	1
CAL4	100000.	101500.	1500.	1.50	.88072	.002	1
CAL5	200000.	197770.	-2230.	-1.11	1.7160	.006	1



Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.009306 Re-Slope: 1.000000
 A1 (Gain): 0.000072 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999939 Status: OK.
 Std Error of Est: 0.000934
 Predicted MDL: 29.494511
 Predicted MQL: 98.315037

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.22290	.223	.000	-.00929	.002	1
CAL2	5000.0	4937.5	-62.5	-1.25	.34705	.001	1
CAL3	10000.	9680.2	-320.	-3.20	.68960	.002	1
CAL4	50000.	49607.	-393.	-.787	3.5723	.017	1
CAL5	100000.	100780.	776.	.776	7.2666	.009	1

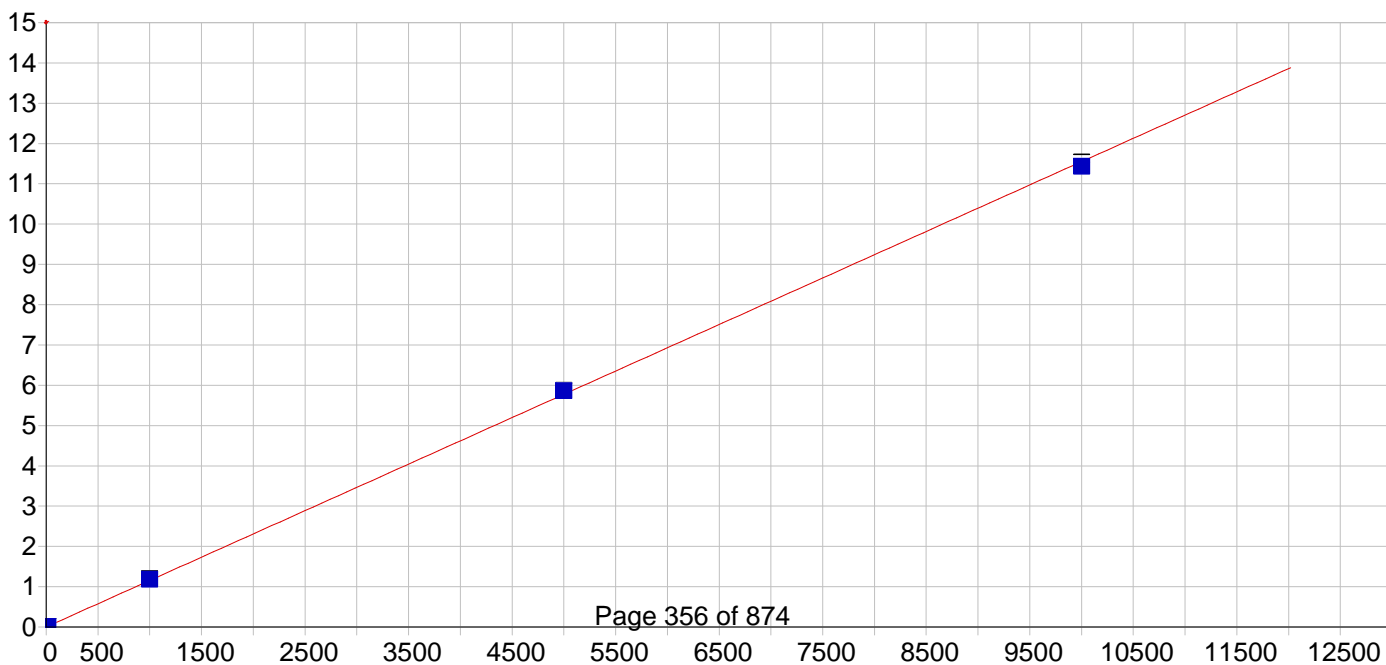


Mg 279.079 {121}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

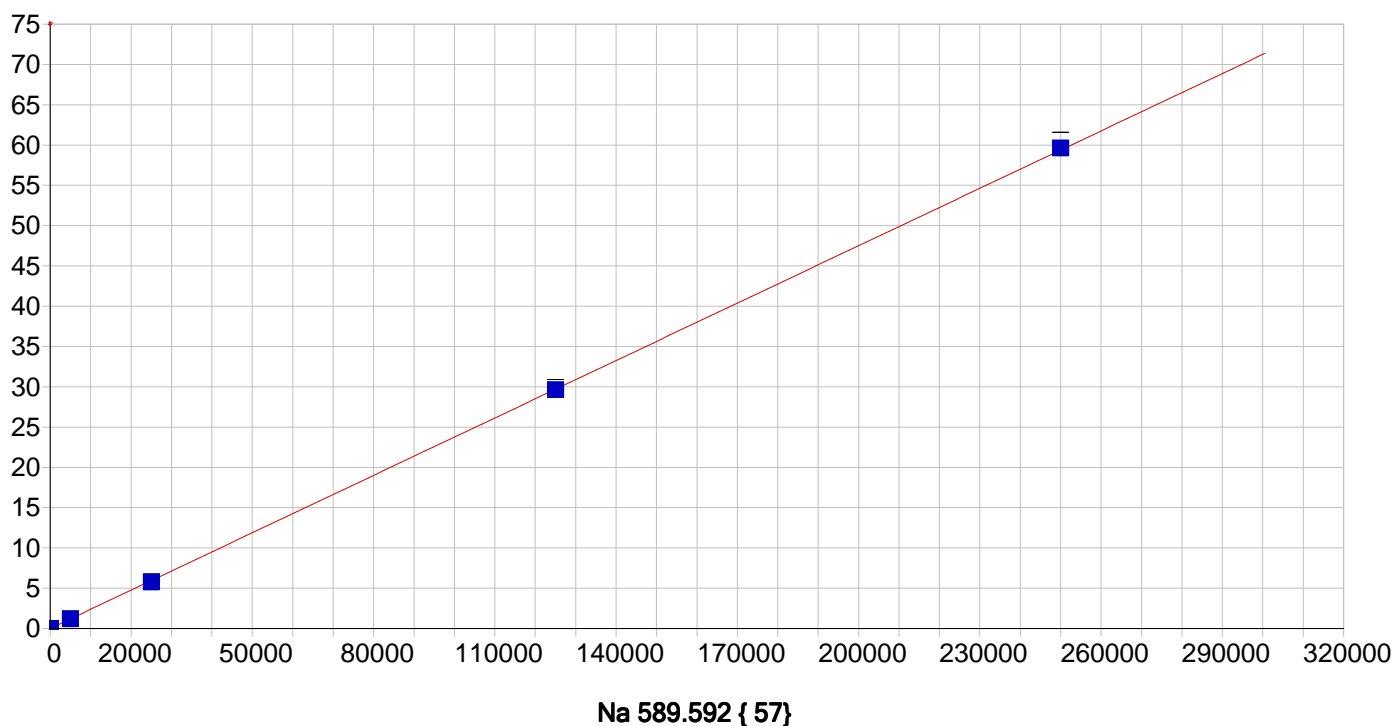
A0 (Offset): -0.000024 Re-Slope: 1.000000
 A1 (Gain): 0.000019 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999989 Status: OK.
 Std Error of Est: 0.000164
 Predicted MDL: 4.974129
 Predicted MQL: 16.580431

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.03587		.036	.000	-.00002	.000	1
CAL2	5000.0		5042.0		42.0	.839	.09605	.000	1
CAL3	25000.		24604.		-396.	-1.59	.46849	.001	1
CAL4	125000.		124720.		-283.	-.227	2.3749	.001	1
CAL5	250000.		250640.		638.	.255	4.7727	.011	1



Predicted MDL: 0.067041
Predicted MQL: 0.223472

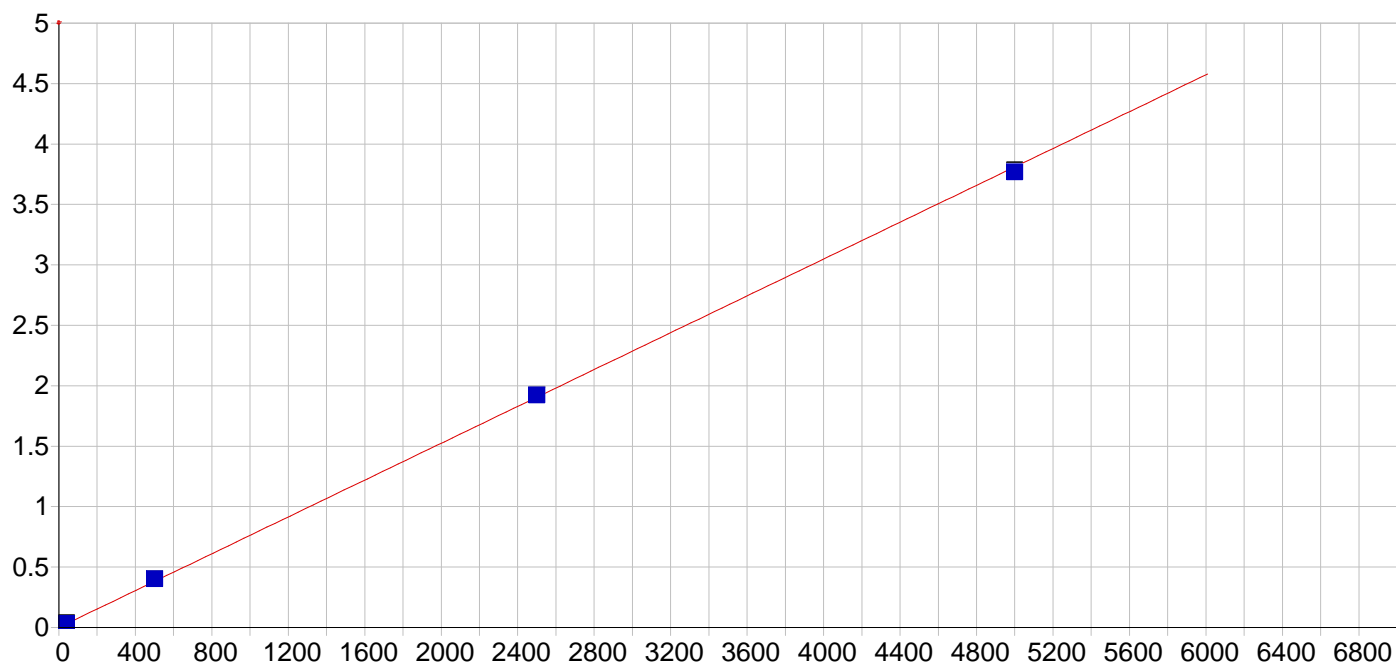
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00167	-.002	.000	.00023	.000	1
CAL2	15.000	16.203	1.20	8.02	.01895	.000	1
CAL3	1000.0	1026.7	26.7	2.67	1.1867	.007	1
CAL4	5000.0	5073.3	73.3	1.47	5.8627	.012	1
CAL5	10000.	9898.7	-101.	-1.01	11.439	.095	1



Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009100 Re-Slope: 1.000000
A1 (Gain): 0.000237 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999968 Status: OK.
Std Error of Est: 0.003487
Predicted MDL: 8.027087
Predicted MQL: 26.756955

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.08767	.088	.000	.00912	.002	1
CAL2	5000.0	5049.5	49.5	.991	1.2083	.010	1
CAL3	25000.	24276.	-724.	-2.90	5.7761	.028	1
CAL4	125000.	124710.	-292.	-.234	29.635	.289	1
CAL5	250000.	250970.	967.	.387	59.629	.964	1

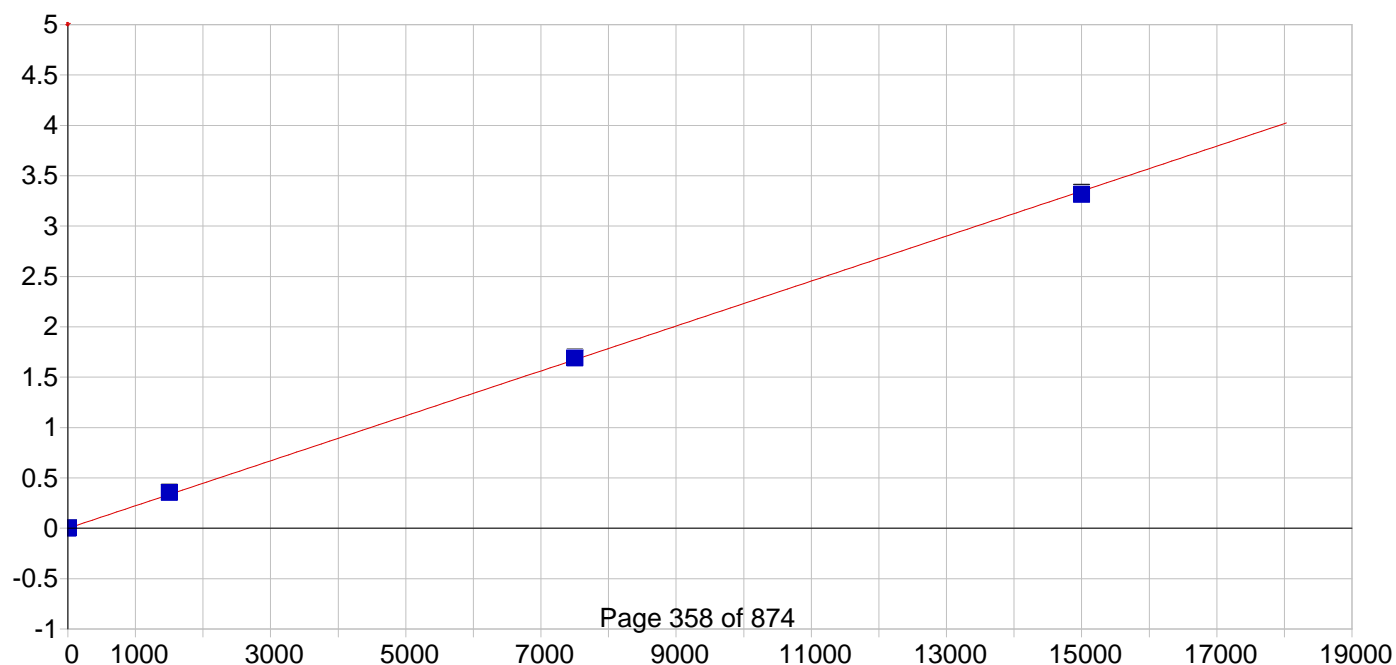


Ni 231.604 {446}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

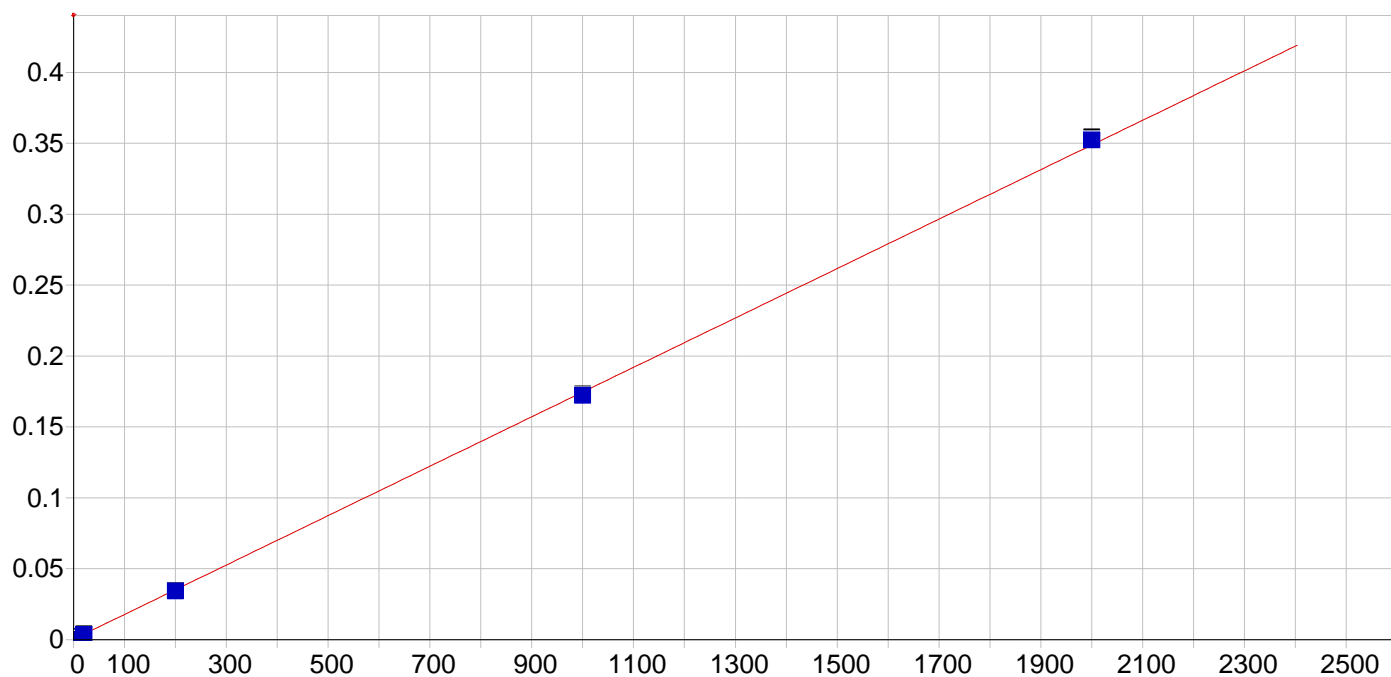
A0 (Offset): 0.000443 Re-Slope: 1.000000
 A1 (Gain): 0.000762 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999829 Status: OK.
 Std Error of Est: 0.000326
 Predicted MDL: 0.461942
 Predicted MQL: 1.539808

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00581		-.006	.000	.00044	.000	1
CAL2	40.000		43.597		3.60	8.99	.03367	.000	1
CAL3	500.00		528.64		28.6	5.73	.40374	.002	1
CAL4	2500.0		2522.3		22.3	.891	1.9248	.003	1
CAL5	5000.0		4945.5		-54.5	-1.09	3.7736	.011	1



Predicted MDL: 1.477463
 Predicted MQL: 4.924876

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00282	-.003	.000	.00012	.000	1
CAL2	10.000	11.870	1.87	18.7	.00278	.000	1
CAL3	1500.0	1581.6	81.6	5.44	.35422	.002	1
CAL4	7500.0	7564.3	64.3	.858	1.6939	.004	1
CAL5	15000.	14851.	-149.	-.996	3.3257	.009	1
CAL1	5.0000	6.6155	1.62	32.3	.00160	.000	1

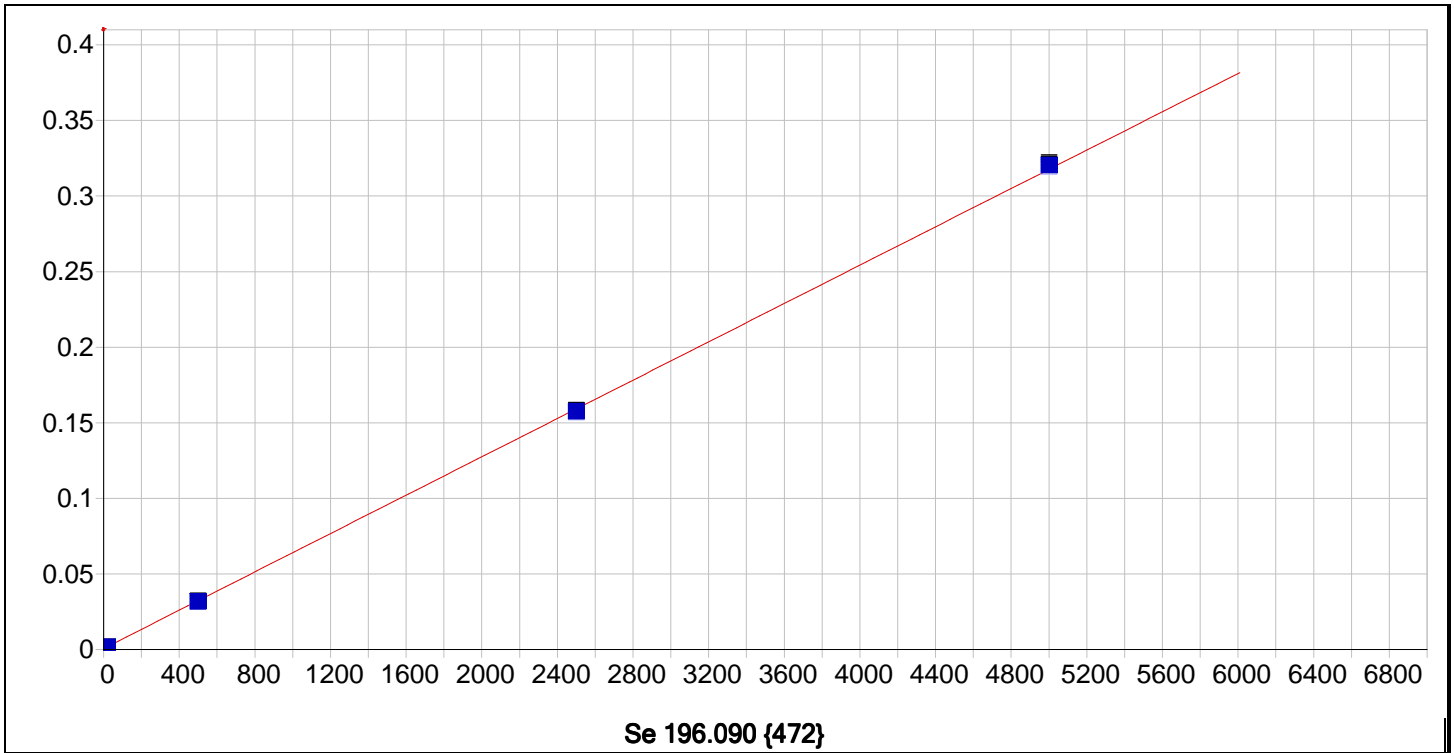


Sb 206.833 {463}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000387 Re-Slope: 1.000000
 A1 (Gain): 0.000174 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999881 Status: OK.
 Std Error of Est: 0.000019
 Predicted MDL: 1.471977
 Predicted MQL: 4.906591

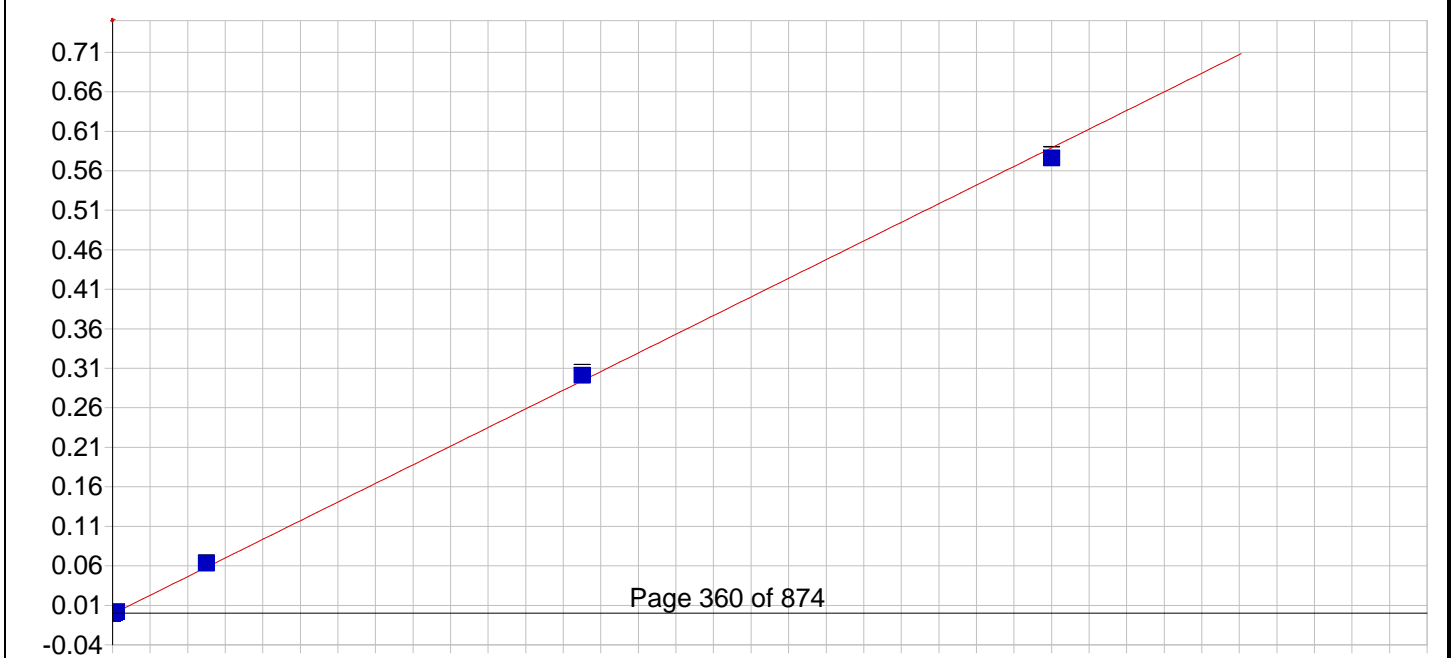
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00071	.001	.000	.00039	.000	1
CAL2	20.000	18.088	-1.91	-9.56	.00343	.000	1
CAL3	200.00	194.23	-5.77	-2.88	.03428	.000	1
CAL4	1000.0	986.61	-13.4	-1.34	.17255	.001	1
CAL5	2000.0	2020.4	20.4	1.02	.35294	.001	1
CAL1	10.000	10.570	.570	5.70	.00223	.000	1



Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

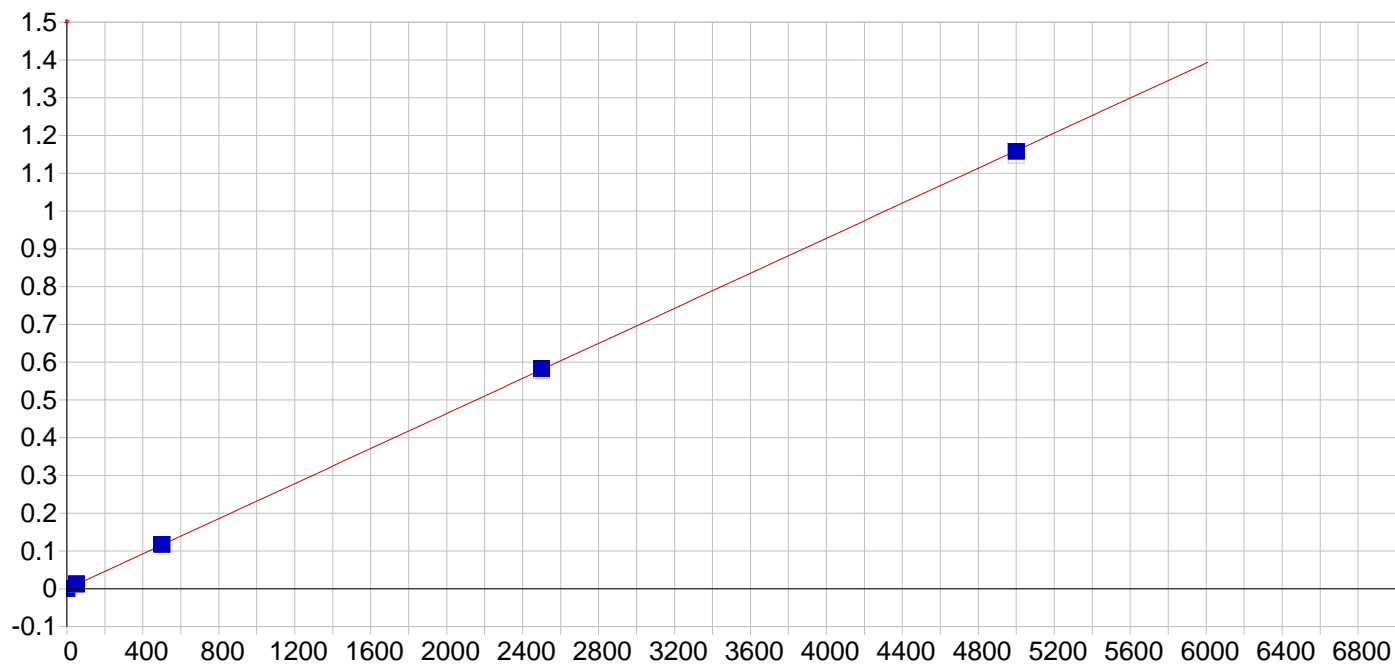
A0 (Offset): 0.000629 Re-Slope: 1.000000
 A1 (Gain): 0.000063 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999720 Status: OK.
 Std Error of Est: 0.000012
 Predicted MDL: 3.192960
 Predicted MQL: 10.643199

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00485		.005	.000	.00063	.000	1
CAL2	20.000		17.035		-2.96	-14.8	.00171	.000	1
CAL3	500.00		491.17		-8.83	-1.77	.03166	.000	1
CAL4	2500.0		2473.4		-26.6	-1.06	.15692	.001	1
CAL5	5000.0		5042.4		42.4	.848	.31927	.002	1
CAL1	5.0000		.98570		-4.01	-80.3	.00069	.000	1



Std Error of Est: 0.000042
 Predicted MDL: 1.909618
 Predicted MQL: 6.365393

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00453	-.005	.000	-.00086	.000	1
CAL2	20.000	22.995	3.00	15.0	.00185	.000	1
CAL3	500.00	543.51	43.5	8.70	.06323	.000	1
CAL4	2500.0	2560.5	60.5	2.42	.30104	.004	1
CAL5	5000.0	4890.9	-109.	-2.18	.57580	.004	1
CAL1	10.000	12.141	2.14	21.4	.00057	.000	1

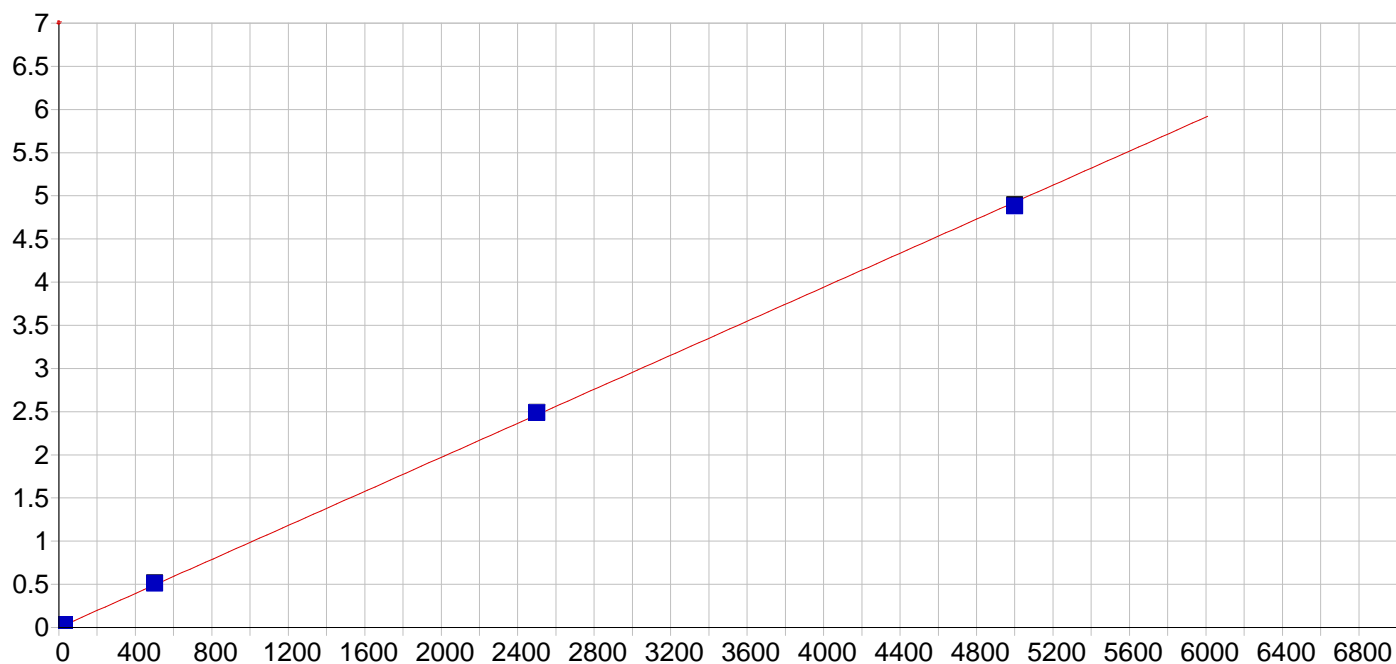


V 292.402 {115}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000007 Re-Slope: 1.000000
 A1 (Gain): 0.000232 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 0.412057
 Predicted MQL: 1.373522

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00135	-.001	.000	.00001	.000	1
CAL2	50.000	50.997	.997	1.99	.01180	.000	1
CAL3	500.00	503.14	3.14	.627	.11581	.000	1
CAL4	2500.0	2508.4	8.37	.335	.57733	.001	1
CAL5	5000.0	4987.5	-12.5	-2.50	1.1479	.000	1

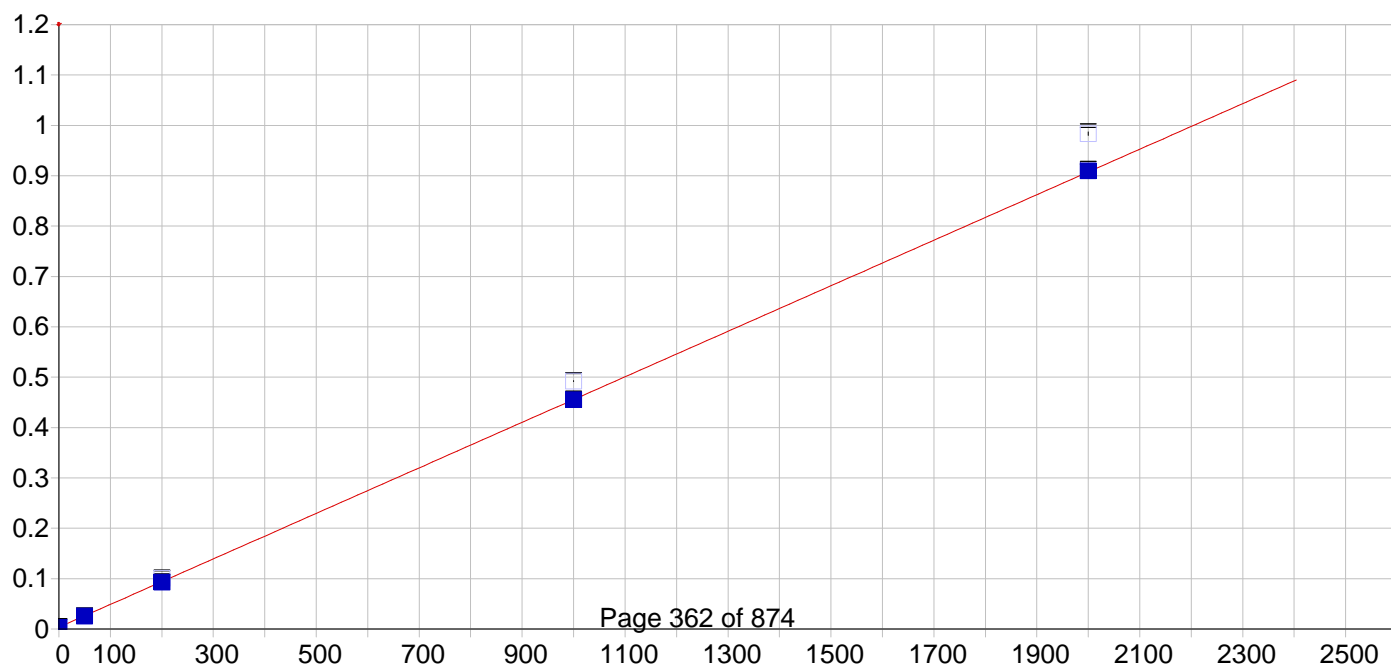


Zn 206.200 {463}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

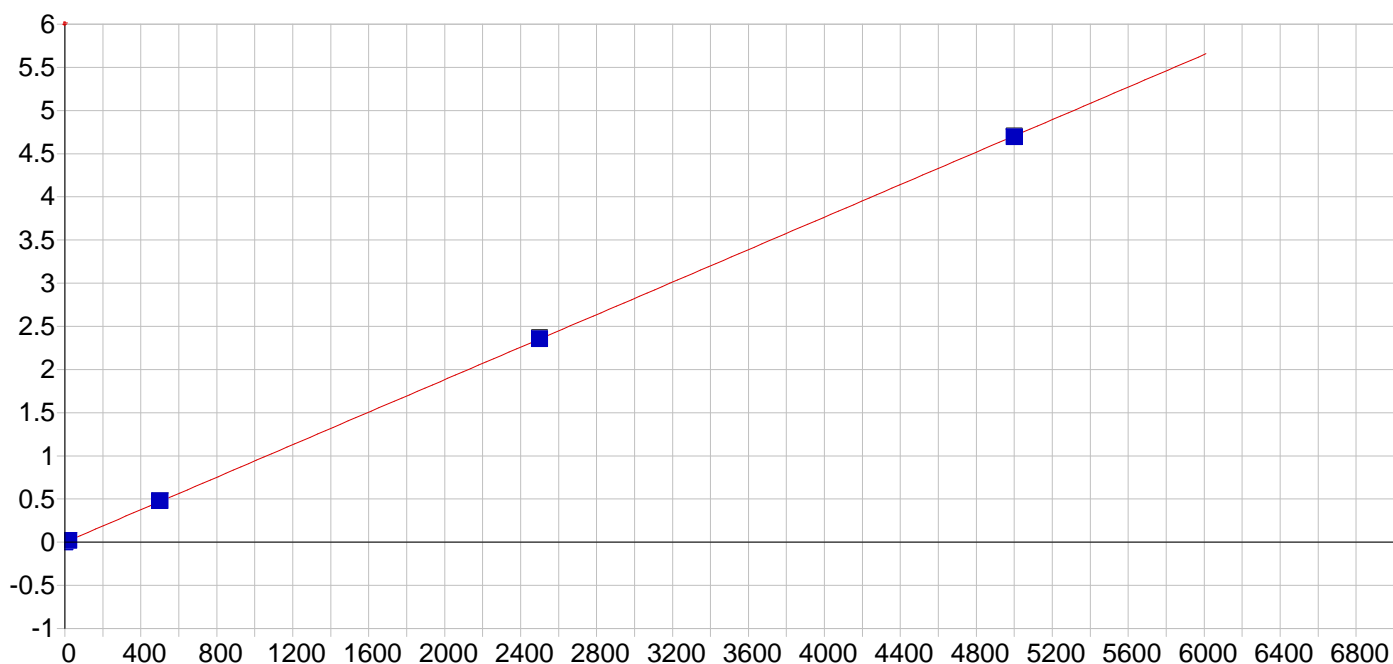
A0 (Offset): 0.000108 Re-Slope: 1.000000
 A1 (Gain): 0.000985 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999907 Status: OK.
 Std Error of Est: 0.000269
 Predicted MDL: 0.210381
 Predicted MQL: 0.701271

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00314		-.003	.000	.00010	.000	1
CAL2	30.000		31.993		1.99	6.64	.03162	.000	1
CAL3	500.00		518.59		18.6	3.72	.51064	.002	1
CAL4	2500.0		2525.1		25.1	1.00	2.4860	.002	1
CAL5	5000.0		4954.3		-45.7	-.914	4.8773	.013	1



Predicted MDL: 0.539238
Predicted MQL: 1.797460

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00258		.003	.000	.00362	.001	1
CAL2	50.000		47.868		-2.13	-4.26	.02555	.000	1
CAL3	200.00		197.89		-2.11	-1.05	.10043	.001	1
CAL4	1000.0		999.06		-.941	-.094	.49203	.001	1
CAL5	2000.0		2005.0		5.04	.252	.98357	.003	1

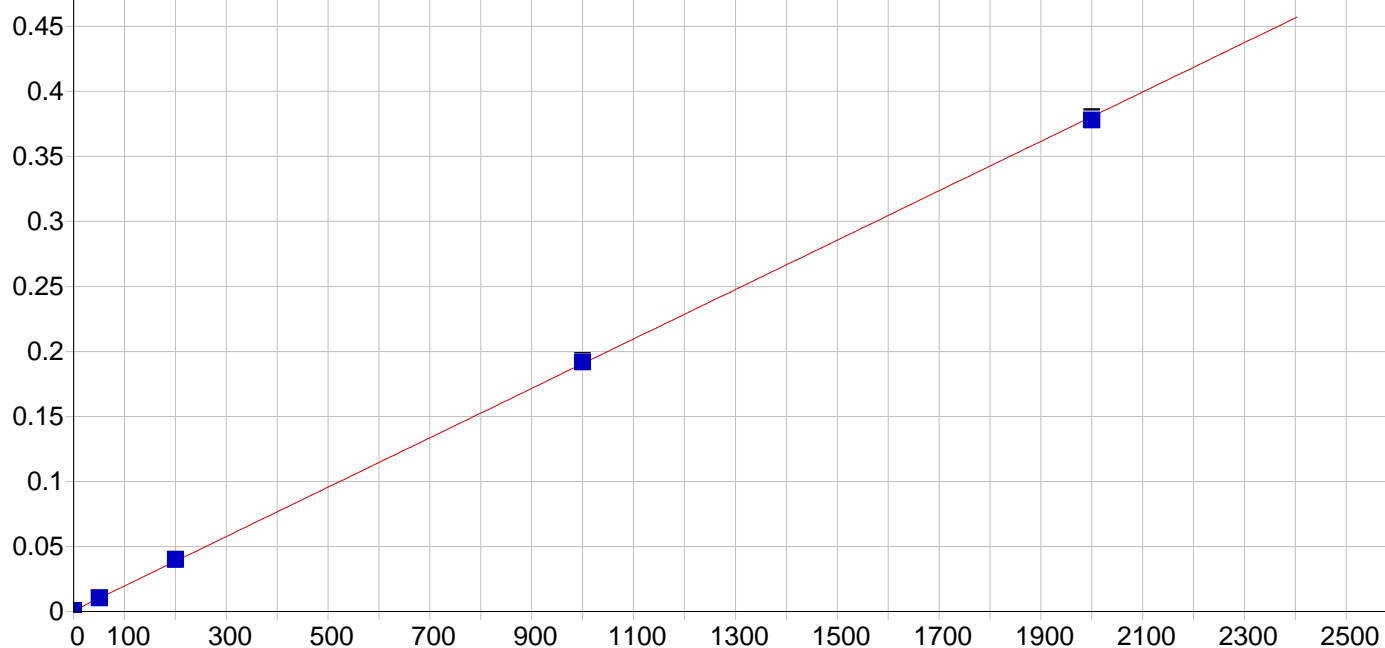


Mo 202.030 {467}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000272 Re-Slope: 1.000000
A1 (Gain): 0.000941 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999989 Status: OK.
Std Error of Est: 0.000071
Predicted MDL: 0.228465
Predicted MQL: 0.761550

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00064		-.001	.000	-.00027	.000	1
CAL2	20.000		20.344		.344	1.72	.01888	.000	1
CAL3	500.00		507.88		7.88	1.58	.47768	.002	1
CAL4	2500.0		2504.3		4.31	.172	2.3565	.007	1
CAL5	5000.0		4987.5		-12.5	-.251	4.6933	.007	1

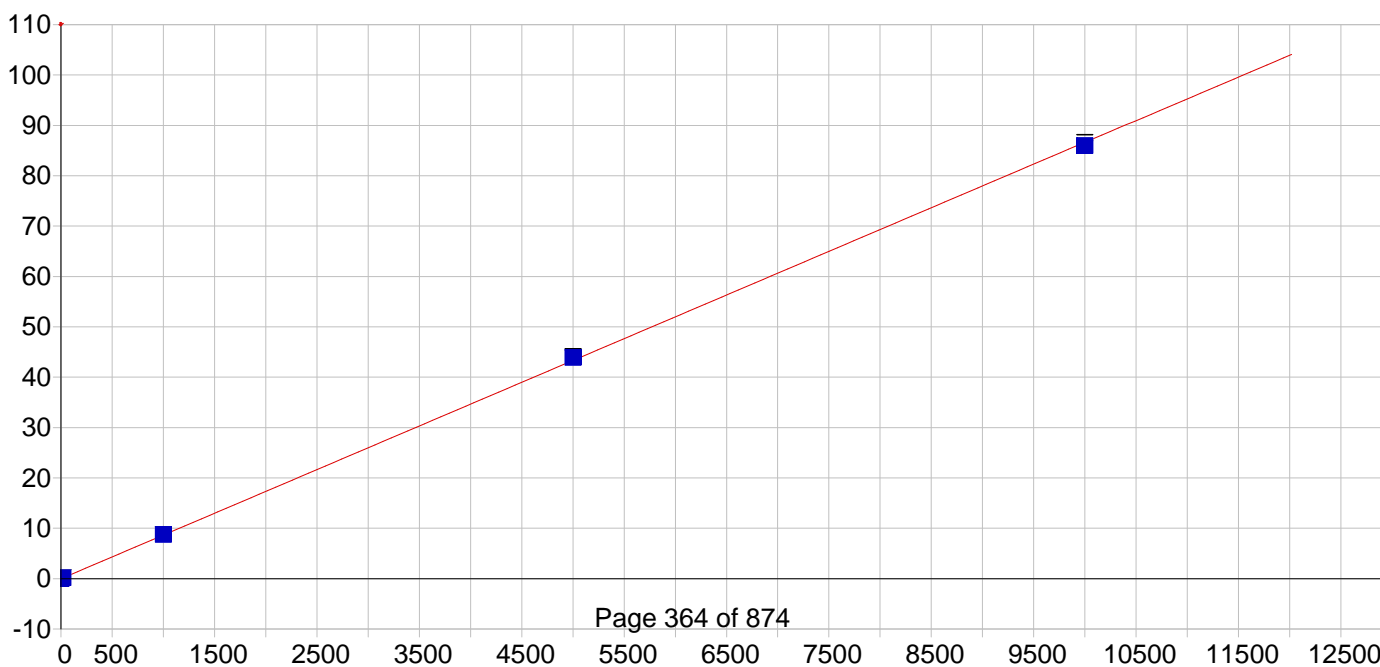


Sn 189.989 {477}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

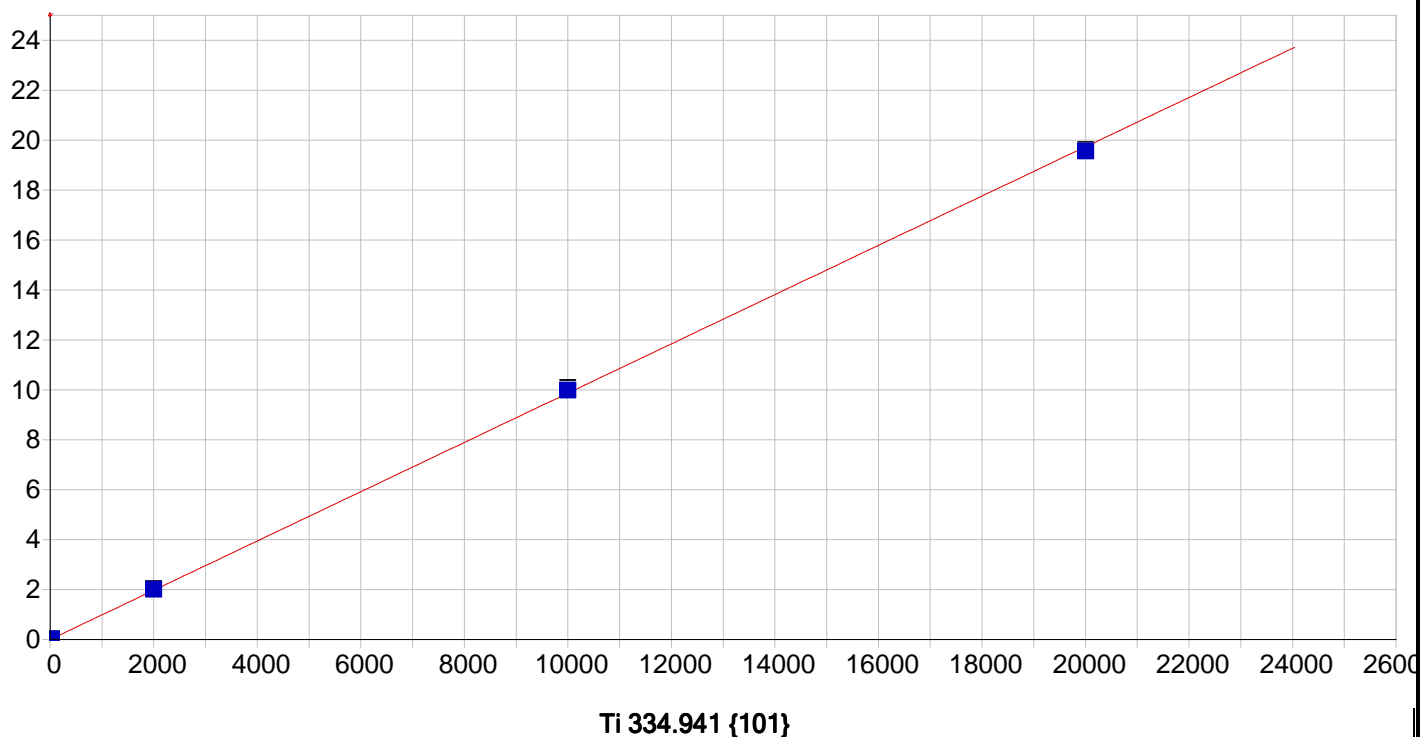
A0 (Offset): 0.000671 Re-Slope: 1.000000
 A1 (Gain): 0.000190 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999947 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.817908
 Predicted MQL: 2.726361

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00284	-.003	.000	.00067	.000	1
CAL2	50.000	51.359	1.36	2.72	.01043	.000	1
CAL3	200.00	206.09	6.09	3.04	.03987	.000	1
CAL4	1000.0	1005.8	5.80	.580	.19197	.001	1
CAL5	2000.0	1986.8	-13.2	-.662	.37856	.002	1



Predicted MDL: 0.099946
 Predicted MQL: 0.333152

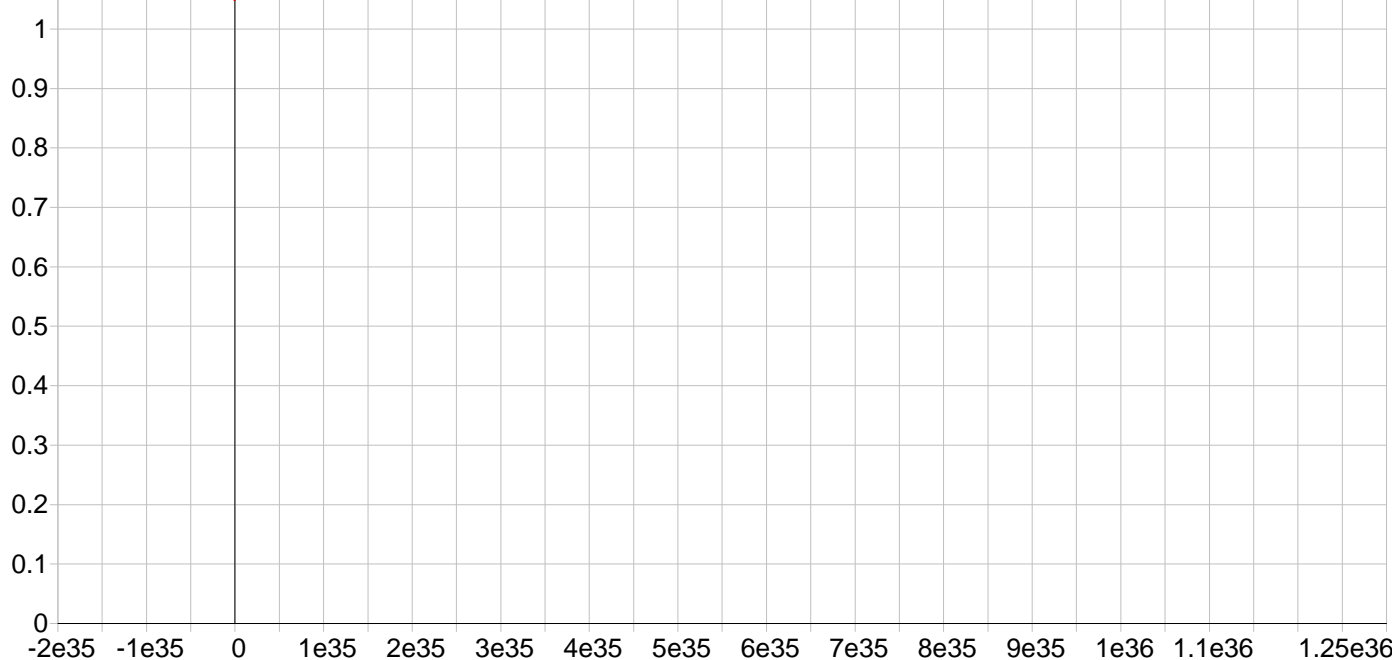
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00128		-.001	.000	-.00228	.000	1
CAL2	20.000		21.007		1.01	5.03	.17994	.000	1
CAL3	1000.0		1007.8		7.77	.777	8.7312	.031	1
CAL4	5000.0		5068.4		68.4	1.37	43.921	.139	1
CAL5	10000.		9922.8		-77.2	-.772	85.991	.620	1



Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000526 Re-Slope: 1.000000
 A1 (Gain): 0.000987 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999937 Status: OK.
 Std Error of Est: 0.000363
 Predicted MDL: 0.161837
 Predicted MQL: 0.539457

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00167		-.002	.000	.00052	.000	1
CAL2	20.000		21.147		1.15	5.74	.02140	.000	1
CAL3	2000.0		2044.9		44.9	2.25	2.0185	.004	1
CAL4	10000.		10124.		124.	1.24	9.9913	.090	1
CAL5	20000.		19830.		-170.	-.851	19.569	.032	1

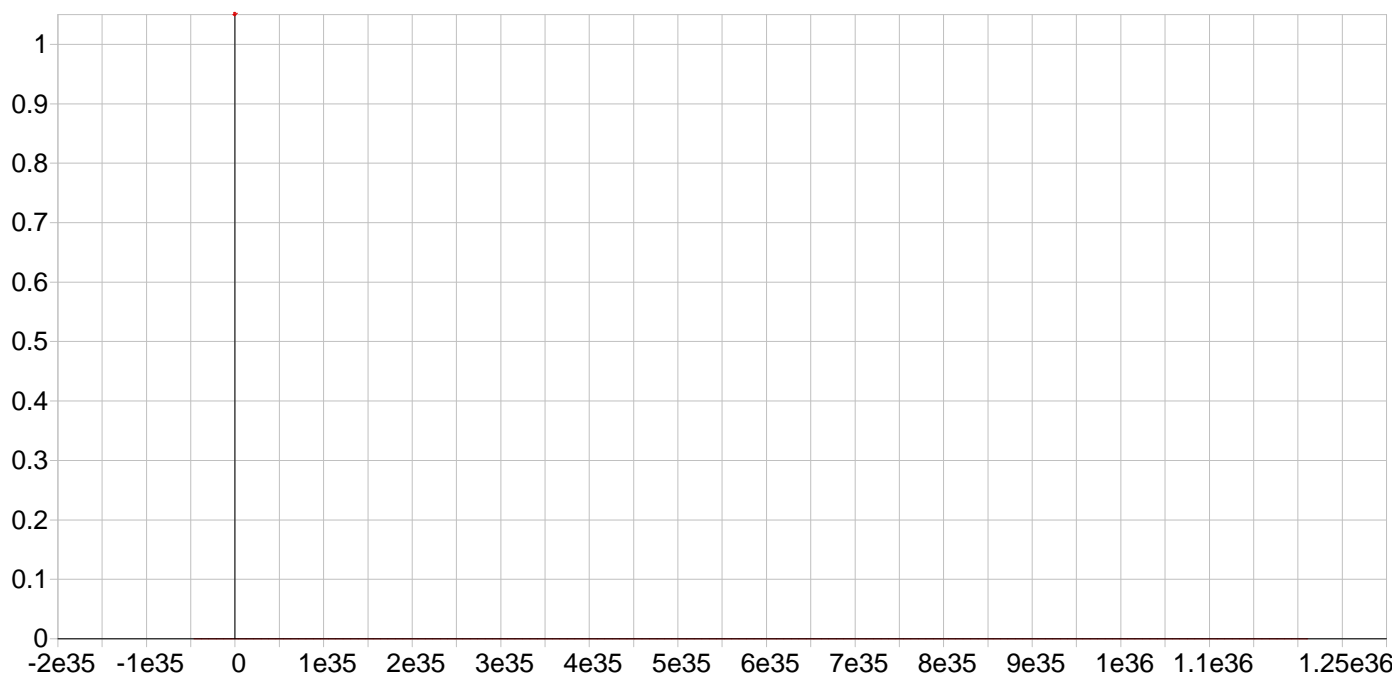


Y 224.306 {450}*

Date of Fit: 4/4/2016 13:47:58 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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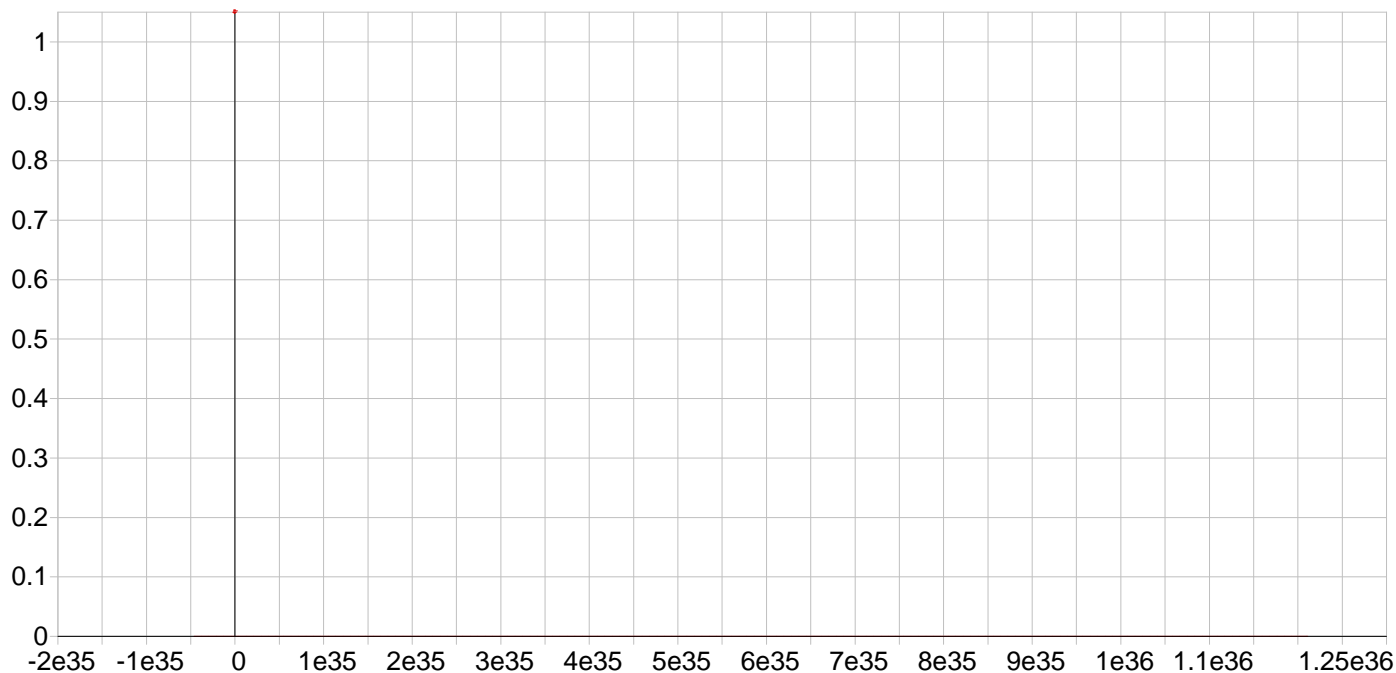


Y 360.073 { 94}*

Date of Fit: 4/4/2016 13:47:58 Type of Fit: Linear Weighting: 1/Conc

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



Y 371.030 { 91}*

Date of Fit: 4/4/2016 13:47:58

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

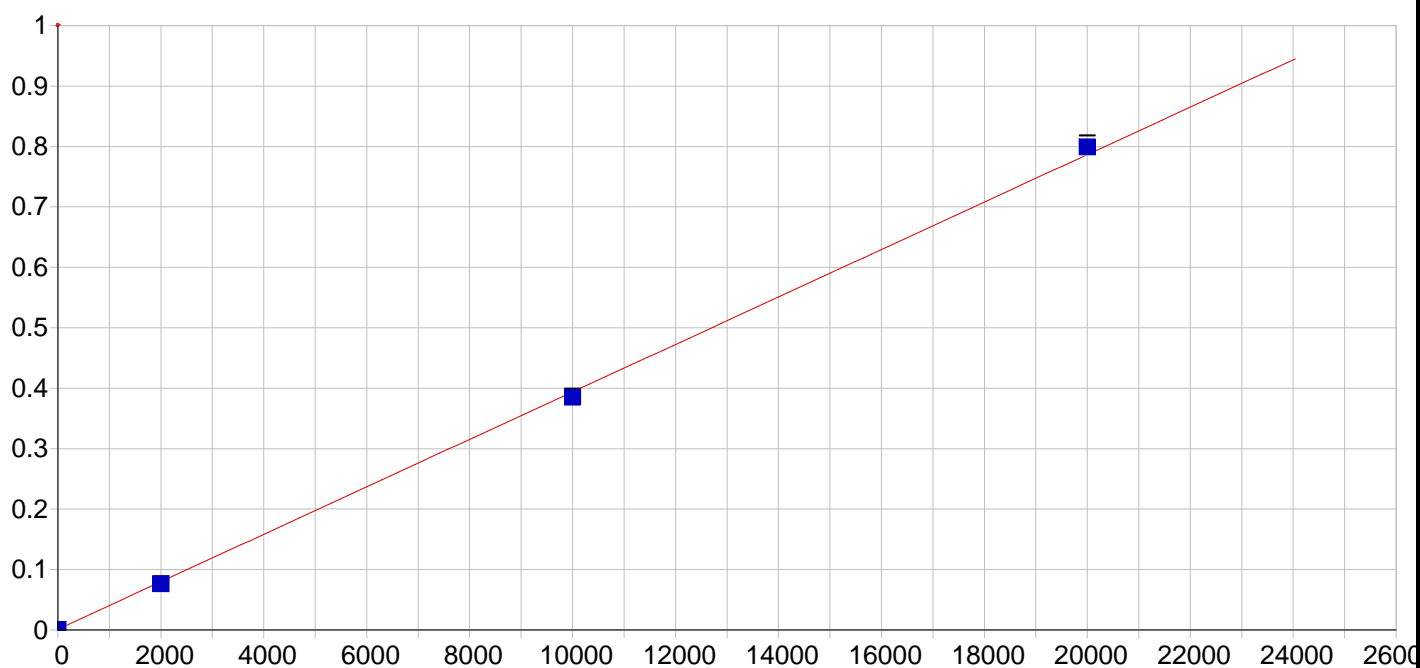
Zero Gain

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: 4/5/2016 10:17:11

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001289

Re-Slope: 1.000000

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.10997		.110	.000	.00129	.000	1
CAL5	20000.		20325.		325.	1.62	.79809	.006	1
CAL3	2000.0		1903.1		-96.9	-4.84	.07589	.000	1
CAL4	10000.		9772.0		-228.	-2.28	.38436	.002	1

Sample Name: ICIS Cal Blk Acquired: 4/5/2016 9:53:12 Type: Cal
Method: sw03182016(v22) 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	-.0004	-.0002	-.0005	.0001	.0003	.0002
Stddev	.0005	.0002	.0001	.0002	.0001	.0001
%RSD	126.5	96.63	25.26	162.3	39.66	29.73

#1	.0001	-.0001	-.0004	.0003	.0002	.0002
#2	-.0010	-.0001	-.0006	.0002	.0003	.0003
#3	-.0004	-.0004	-.0004	-.0001	.0005	.0002

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	-.0017	-.0010	-.0000	.0065	.0002	-.0093
Stddev	.0002	.0001	.0000	.0001	.0000	.0022
%RSD	8.641	12.15	93.86	.7690	19.08	23.76

#1	-.0019	-.0010	-.0000	.0066	.0002	-.0080
#2	-.0016	-.0011	-.0000	.0065	.0003	-.0080
#3	-.0017	-.0009	-.0001	.0065	.0002	-.0118

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0091	.0004	.0001	.0004
Stddev	.0000	.0000	.0022	.0003	.0002	.0002
%RSD	180.3	11.41	23.70	77.87	148.0	39.33

#1	.0000	.0002	.0116	.0001	.0003	.0003
#2	-.0001	.0002	.0080	.0004	-.0001	.0003
#3	-.0000	.0003	.0077	.0008	.0002	.0006

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	.0006	-.0009	.0000	.0001	.0036	-.0003
Stddev	.0002	.0000	.0000	.0000	.0007	.0001
%RSD	28.19	2.924	396.6	47.50	19.15	51.51

#1	.0008	-.0008	-.0000	.0001	.0043	-.0001
#2	.0007	-.0009	-.0000	.0001	.0036	-.0004
#3	.0004	-.0009	.0000	.0000	.0029	-.0002

Sample Name: ICIS Cal Blk Acquired: 4/5/2016 9:53:12 Type: Cal
Method: sw03182016(v22) 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	.0007	-.0023	.0005	.0013
Stddev	.0001	.0002	.0001	.0002
%RSD	8.533	6.631	21.68	13.35

#1	.0007	-.0021	.0005	.0011
#2	.0006	-.0023	.0005	.0014
#3	.0006	-.0024	.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	3059.8	37362.	5718.4
Stddev	90.6	3082.	513.3
%RSD	2.9604	8.2500	8.9757

#1	3163.8	40912.	6308.2
#2	3017.2	35809.	5473.4
#3	2998.3	35364.	5373.4

Sample Name: CAL2 Acquired: 4/5/2016 10:01:32 Type: Cal
Method: sw03182016(v22) 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	.0091	.0010	.0025	.5187	.0100	.1254
Stddev	.0006	.0001	.0000	.0036	.0002	.0010
%RSD	7.028	8.879	1.515	.6931	1.603	.7740

#1	.0088	.0011	.0025	.5151	.0100	.1260
#2	.0098	.0010	.0025	.5189	.0098	.1259
#3	.0086	.0010	.0024	.5222	.0101	.1243

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0123	.0677	.0017	.0162	.0018	.3470
Stddev	.0004	.0004	.0001	.0004	.0001	.0013
%RSD	3.365	.5390	4.086	2.365	5.386	.3778

#1	.0118	.0674	.0016	.0166	.0017	.3479
#2	.0124	.0681	.0017	.0162	.0019	.3455
#3	.0126	.0677	.0018	.0159	.0017	.3476

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0960	.0190	1.208	.0337	.0028	.0034
Stddev	.0005	.0003	.010	.0004	.0002	.0003
%RSD	.4977	1.385	.8341	1.198	6.204	9.488

#1	.0962	.0191	1.220	.0339	.0027	.0031
#2	.0964	.0191	1.205	.0332	.0030	.0036
#3	.0955	.0187	1.201	.0339	.0027	.0036

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	.0019	.0118	.0316	.0255	.0189
Stddev	.0002	.0003	.0000	.0002	.0004	.0002
%RSD	9.921	13.92	.2963	.6232	1.553	1.240

#1	.0019	.0021	.0118	.0316	.0252	.0186
#2	.0016	.0019	.0118	.0314	.0255	.0190
#3	.0017	.0016	.0118	.0318	.0260	.0190

Sample Name: CAL2 Acquired: 4/5/2016 10:01:32 Type: Cal
Method: sw03182016(v22) 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	.0104	.1799	.0214
Stddev	.0003	.0001	.0000
%RSD	2.433	.0493	.0979

#1	.0102	.1800	.0214
#2	.0104	.1799	.0214
#3	.0107	.1799	.0214

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3000.4	35184.	5449.5
Stddev	21.6	220.	44.6
%RSD	.72138	.62651	.81822

#1	3019.6	35026.	5399.4
#2	3004.7	35089.	5484.8
#3	2977.0	35436.	5464.3

Sample Name: CAL1 Acquired: 4/5/2016 9:57:18 Type: Cal
Method: sw03182016(v22) 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	.0003	.0016	.0022	.0007	.0006
Stddev	.0001	.0003	.0001	.0001	.0002
%RSD	28.95	17.24	5.163	21.03	29.06

#1	.0003	.0013	.0021	.0006	.0004
#2	.0004	.0019	.0023	.0007	.0006
#3	.0002	.0016	.0023	.0008	.0007

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	3011.0
Stddev	12.3
%RSD	.40851

#1	2997.6
#2	3013.5
#3	3021.8

Sample Name: CAL4 Acquired: 4/5/2016 10:09:15 Type: Cal
Method: sw03182016(v22) 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	5.058	.1947	.3665	24.61	4.617	3.096
Stddev	.035	.0006	.0007	.05	.016	.006
%RSD	.6845	.3006	.1817	.1984	.3391	.2079

#1	5.018	.1954	.3661	24.67	4.609	3.091
#2	5.074	.1946	.3662	24.59	4.606	3.094
#3	5.081	.1942	.3673	24.58	4.635	3.103

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	4.211	3.202	.8479	4.831	.8807	3.572
Stddev	.009	.005	.0010	.005	.0024	.017
%RSD	.2131	.1581	.1205	.1102	.2707	.4670

#1	4.221	3.207	.8482	4.835	.8780	3.553
#2	4.208	3.201	.8487	4.834	.8824	3.578
#3	4.204	3.197	.8468	4.825	.8817	3.585

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	2.375	5.863	29.63	1.925	1.739	.1726
Stddev	.001	.012	.29	.003	.002	.0006
%RSD	.0593	.2006	.9767	.1553	.1311	.3712

#1	2.376	5.854	29.32	1.928	1.740	.1733
#2	2.373	5.858	29.69	1.923	1.741	.1723
#3	2.375	5.876	29.89	1.923	1.737	.1721

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	.1569	.3010	.5773	2.486	.4920	2.356
Stddev	.0006	.0036	.0013	.002	.0010	.006
%RSD	.4063	1.185	.2310	.0937	.1956	.2768

#1	.1575	.3051	.5764	2.489	.4931	2.364
#2	.1570	.2984	.5789	2.484	.4918	2.352
#3	.1563	.2997	.5767	2.485	.4912	2.353

Sample Name: CAL4 Acquired: 4/5/2016 10:09:15 Type: Cal
Method: sw03182016(v22) 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	.1920	43.92	9.991	.3844
Stddev	.0008	.14	.090	.0019
%RSD	.3960	.3158	.9012	.5051

#1	.1928	43.76	9.960	.3860
#2	.1913	44.02	9.921	.3848
#3	.1919	43.98	10.09	.3822

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2729.3	32093.	5175.8
Stddev	5.4	69.	33.9
%RSD	.19619	.21550	.65512

#1	2723.3	32071.	5211.8
#2	2731.0	32170.	5170.9
#3	2733.6	32037.	5144.5

Sample Name: CAL3 Acquired: 4/5/2016 10:05:31 Type: Cal
Method: sw03182016(v22) 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	.9982	.0380	.0705	5.045	.9376	.6100
Stddev	.0059	.0002	.0002	.018	.0013	.0037
%RSD	.5911	.4838	.2431	.3499	.1365	.6125

#1	1.004	.0379	.0705	5.036	.9391	.6097
#2	.9922	.0382	.0703	5.065	.9367	.6064
#3	.9983	.0379	.0706	5.034	.9371	.6138

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.8706	.6621	.1739	.9459	.1799	.6896
Stddev	.0034	.0017	.0005	.0025	.0005	.0016
%RSD	.3956	.2494	.3058	.2649	.2821	.2276

#1	.8675	.6604	.1737	.9477	.1797	.6910
#2	.8743	.6637	.1736	.9470	.1794	.6879
#3	.8700	.6621	.1745	.9431	.1804	.6899

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.4685	1.187	5.776	.4037	.3542	.0343
Stddev	.0013	.007	.028	.0021	.0019	.0002
%RSD	.2730	.5724	.4889	.5143	.5498	.5168

#1	.4682	1.186	5.798	.4026	.3525	.0341
#2	.4674	1.180	5.744	.4061	.3564	.0343
#3	.4699	1.194	5.786	.4025	.3538	.0344

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	.0317	.0632	.1158	.5106	.1004	.4777
Stddev	.0002	.0002	.0002	.0025	.0006	.0019
%RSD	.5437	.2605	.2090	.4842	.6325	.3886

#1	.0317	.0634	.1155	.5080	.1004	.4771
#2	.0318	.0633	.1160	.5111	.1011	.4798
#3	.0315	.0630	.1159	.5129	.0998	.4762

Sample Name: CAL3 Acquired: 4/5/2016 10:05:31 Type: Cal
Method: sw03182016(v22) 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	.0399	8.731	2.019	.0759
Stddev	.0002	.031	.004	.0002
%RSD	.4206	.3597	.1963	.3219

#1	.0397	8.765	2.018	.0762
#2	.0401	8.703	2.015	.0757
#3	.0398	8.725	2.023	.0758

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2907.0	34453.	5381.7
Stddev	11.4	249.	41.3
%RSD	.39053	.72195	.76662

#1	2920.1	34516.	5387.0
#2	2900.2	34664.	5420.1
#3	2900.6	34179.	5338.1

Sample Name: CAL5 Acquired: 4/5/2016 10:13:00 Type: Cal
Method: sw03182016(v22) 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	10.17	.3991	.7509	48.34	9.099	6.169
Stddev	.04	.0007	.0035	.14	.018	.032
%RSD	.4128	.1818	.4694	.2793	.1991	.5166

#1	10.15	.3997	.7474	48.49	9.116	6.135
#2	10.14	.3983	.7544	48.30	9.080	6.198
#3	10.22	.3992	.7509	48.22	9.100	6.175

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	8.303	6.315	1.668	9.710	1.716	7.267
Stddev	.021	.015	.001	.093	.006	.009
%RSD	.2592	.2385	.0630	.9536	.3313	.1239

#1	8.328	6.330	1.668	9.685	1.710	7.259
#2	8.294	6.315	1.669	9.633	1.720	7.264
#3	8.287	6.300	1.667	9.813	1.718	7.277

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	4.773	11.44	59.63	3.774	3.415	.3529
Stddev	.011	.10	.96	.011	.005	.0014
%RSD	.2305	.8310	1.617	.2982	.1366	.4019

#1	4.764	11.36	58.52	3.787	3.421	.3545
#2	4.785	11.54	60.09	3.766	3.412	.3517
#3	4.770	11.42	60.27	3.768	3.413	.3526

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	.3193	.5758	1.148	4.877	.9836	4.693
Stddev	.0015	.0044	.000	.013	.0032	.007
%RSD	.4842	.7560	.0059	.2648	.3255	.1446

#1	.3191	.5719	1.148	4.888	.9870	4.701
#2	.3178	.5749	1.148	4.881	.9807	4.689
#3	.3209	.5805	1.148	4.863	.9829	4.690

Sample Name: CAL5 Acquired: 4/5/2016 10:13:00 Type: Cal
Method: sw03182016(v22) 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	.3786	85.99	19.57	.7981
Stddev	.0017	.62	.03	.0063
%RSD	.4489	.7205	.1652	.7925

#1	.3798	85.39	19.55	.8054
#2	.3793	85.95	19.61	.7948
#3	.3766	86.63	19.55	.7941

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2590.1	30981.	5124.0
Stddev	9.6	243.	21.4
%RSD	.36967	.78428	.41820

#1	2583.4	31251.	5147.8
#2	2586.0	30780.	5117.7
#3	2601.1	30913.	5106.4

Sample Name: icsab 4140570 Acquired: 4/5/2016 10:33:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	525000.	95.70	109.7	102.5	101.4	536800.
Stddev	810.	3.00	.3	.3	.1	3225.
%RSD	.1542	3.133	.3016	.3211	.1132	.6007
#1	524300.	99.14	109.7	102.7	101.2	535100.
#2	525900.	93.64	110.0	102.8	101.5	540500.
#3	524800.	94.32	109.4	102.2	101.4	534800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.27	94.85	102.3	105.4	208600.	10390.
Stddev	.13	.13	.2	.8	315.	25.
%RSD	.1363	.1368	.1640	.7554	.1509	.2361
#1	98.27	94.72	102.1	104.6	208500.	10400.
#2	98.40	94.98	102.4	106.1	209000.	10400.
#3	98.14	94.85	102.4	105.6	208400.	10360.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	533400.	102.0	10630.	91.92	96.94	103.2
Stddev	3478.	.1	13.	.53	2.94	3.3
%RSD	.6521	.1014	.1178	.5760	3.037	3.187
#1	535000.	101.9	10620.	91.58	93.88	101.0
#2	535700.	102.1	10640.	91.65	99.75	101.6
#3	529400.	101.9	10630.	92.53	97.20	107.0

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

Sample Name: icsab 4140570 Acquired: 4/5/2016 10:33:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	108.0	101.5	104.4	96.84	90.38	97.10
Stddev	1.8	4.5	.3	.46	.58	.06
%RSD	1.689	4.482	.3178	.4762	.6422	.0636
#1	106.1	97.84	104.4	96.84	90.93	97.17
#2	108.2	100.0	104.7	97.30	89.78	97.08
#3	109.7	106.6	104.0	96.38	90.43	97.05

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	103.6	102.3	104.9	50.66
Stddev	.8	.1	.3	8.07
%RSD	.7639	.0856	.3026	15.93
#1	102.7	102.2	104.6	43.32
#2	104.1	102.4	104.8	49.36
#3	103.9	102.4	105.2	59.30

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2697.6	30259.	5130.6
Stddev	14.2	180.	37.6
%RSD	.52477	.59573	.73318
#1	2682.5	30124.	5111.3
#2	2699.8	30189.	5106.6
#3	2710.5	30464.	5174.0

Sample Name: icv 4140568 Acquired: 4/5/2016 10:17:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2453.	1224.	10030.	1002.	124500.
Stddev	299.	9.	6.	25.	3.	487.
%RSD	.2416	.3483	.4960	.2484	.3317	.3911

#1	123900.	2462.	1230.	10050.	998.4	124700.
#2	123600.	2452.	1221.	10000.	1002.	123900.
#3	124200.	2444.	1219.	10020.	1005.	124800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1252.	2499.	5019.	12360.	100800.	49220.
Stddev	3.	5.	23.	24.	374.	86.
%RSD	.2282	.2025	.4491	.1972	.3714	.1747

#1	1256.	2505.	5020.	12380.	101100.	49180.
#2	1250.	2497.	4995.	12370.	100400.	49160.
#3	1251.	2496.	5040.	12340.	100900.	49320.

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	123900.	5031.	123700.	2509.	7527.	978.7
Stddev	378.	18.	333.	7.	24.	3.2
%RSD	.3047	.3607	.2694	.2604	.3223	.3251

#1	124000.	5049.	123700.	2515.	7555.	982.2
#2	123500.	5013.	123400.	2502.	7519.	975.9
#3	124200.	5031.	124100.	2509.	7509.	978.0

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

Sample Name: icv 4140568 Acquired: 4/5/2016 10:17:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2465.	2533.	2488.	2514.	994.9	2487.
Stddev	4.	17.	8.	1.	2.7	6.
%RSD	.1768	.6845	.3319	.0462	.2758	.2444
#1	2470.	2544.	2487.	2515.	998.0	2494.
#2	2463.	2542.	2481.	2513.	992.8	2483.
#3	2462.	2513.	2497.	2514.	993.9	2484.

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	1001.	5026.	10130.	9761.
Stddev	2.	2.	19.	48.
%RSD	.2122	.0491	.1837	.4866
#1	1003.	5029.	10150.	9750.
#2	1000.	5027.	10140.	9813.
#3	998.7	5024.	10110.	9720.

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	2746.4	32389.	5211.1
Stddev	4.8	61.	24.0
%RSD	.17366	.18707	.45991
#1	2740.9	32378.	5208.2
#2	2749.2	32454.	5236.4
#3	2749.1	32335.	5188.7

Sample Name: icb Acquired: 4/5/2016 10:21:11 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.855	1.544	.3109	.1824	-.0160	3.662
Stddev	11.48	.130	.2021	.1568	.1173	1.816
%RSD	297.7	8.404	64.99	85.99	732.5	49.58
#1	15.36	1.693	.4648	.3597	.0194	2.435
#2	-7.594	1.483	.0821	.1257	.0795	5.748
#3	3.800	1.455	.3860	.0618	-.1470	2.804

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0054	.1927	-.0170	1.033	.3134	10.05
Stddev	.0341	.0917	.4319	.138	2.806	32.82
%RSD	629.0	47.57	2540.	13.39	895.6	326.7
#1	.0312	.1392	-.5118	.9804	.9522	17.72
#2	.0183	.2986	.1762	.9295	2.745	-25.93
#3	-.0332	.1404	.2846	1.191	-2.757	38.36

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.705	.2099	-6.747	.5129	.3329	-.5091
Stddev	2.189	.0805	10.46	.1074	1.976	.4518
%RSD	22.55	38.33	155.0	20.94	593.6	88.75
#1	11.55	.3027	5.328	.6361	1.762	-.6850
#2	7.287	.1587	-12.53	.4634	-1.922	-.8464
#3	10.28	.1684	-13.04	.4392	1.159	.0042

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

Sample Name: icb Acquired: 4/5/2016 10:21:11 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.306	-.0184	-.0799	.3186	-.4128	1.409
Stddev	2.434	.8394	.2284	.1260	.8752	.574
%RSD	73.62	4571.	285.7	39.56	212.0	40.73
#1	-3.755	.6932	.0178	.4057	.3879	2.057
#2	-5.484	-.9441	.0833	.3761	-.2793	1.200
#3	-.6788	.1958	-.3409	.1741	-1.347	.9685

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4400	.0890	.5400	.7311
Stddev	.7661	.0885	.2059	3.506
%RSD	174.1	99.45	38.12	479.6
#1	-.5430	.1200	.7758	3.885
#2	.3724	.1579	.4488	-3.045
#3	-1.149	-.0108	.3956	1.352

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	3019.0	35246.	5337.6
Stddev	7.2	147.	14.2
%RSD	.23861	.41619	.26612
#1	3012.0	35299.	5345.3
#2	3018.6	35358.	5321.2
#3	3026.4	35080.	5346.3

Sample Name: icvl 4079378 Acquired: 4/5/2016 10:25:13 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	234.7	15.73	9.905	210.2	2.045	5197.
Stddev	3.1	.83	.204	.4	.091	32.
%RSD	1.328	5.297	2.062	.1962	4.451	.6124
#1	232.7	16.54	10.08	209.8	2.106	5168.
#2	238.3	15.78	9.950	210.3	1.941	5192.
#3	233.1	14.88	9.681	210.6	2.090	5231.

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	4.142	53.74	10.71	26.72	170.5	4907.
Stddev	.008	.26	.13	.65	4.6	16.
%RSD	.1981	.4863	1.176	2.418	2.707	.3296
#1	4.149	53.66	10.61	26.25	175.1	4891.
#2	4.133	54.03	10.66	26.45	170.4	4907.
#3	4.144	53.52	10.85	27.45	165.9	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	5106.	16.51	5047.	43.38	11.97	18.53
Stddev	13.	.10	16.	.25	1.89	1.23
%RSD	.2554	.6012	.3256	.5808	15.82	6.659
#1	5107.	16.48	5029.	43.65	14.02	19.85
#2	5092.	16.42	5061.	43.14	11.60	17.40
#3	5118.	16.61	5050.	43.36	10.28	18.33

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

Sample Name: icvl 4079378 Acquired: 4/5/2016 10:25:13 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.36	22.80	50.62	32.31	47.56	20.24
Stddev	.73	.70	.23	.18	.22	.18
%RSD	4.738	3.087	.4635	.5613	.4620	.9065
#1	15.41	22.08	50.36	32.52	47.31	20.26
#2	16.07	23.49	50.70	32.22	47.63	20.05
#3	14.61	22.83	50.81	32.20	47.73	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	51.46	20.83	21.38	F 14.65
Stddev	.74	.07	.11	16.49
%RSD	1.430	.3444	.5141	112.5
#1	51.47	20.78	21.26	8.469
#2	52.19	20.91	21.47	2.155
#3	50.72	20.79	21.43	33.34

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	3027.8	34646.	5304.9
Stddev	2.9	126.	19.5
%RSD	.09545	.36231	.36830
#1	3026.0	34709.	5305.2
#2	3026.2	34728.	5324.2
#3	3031.1	34502.	5285.1

Sample Name: 460-111211-H-1-A@20 Acquired: 4/5/2016 10:53:43 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6706.	23.40	1.161	61.02	.2761	4009.
Stddev	27.	1.79	.647	.08	.0457	29.
%RSD	.4099	7.660	55.71	.1314	16.54	.7233
#1	6677.	25.35	1.802	60.94	.3030	3985.
#2	6711.	21.82	.5087	61.10	.2233	4041.
#3	6731.	23.04	1.172	61.03	.3018	4001.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.120	6.423	23.80	46.28	93790.	561.1
Stddev	.086	.323	.42	.51	427.	4.6
%RSD	7.679	5.022	1.754	1.097	.4548	.8233
#1	-1.149	6.383	23.39	45.70	93390.	556.8
#2	-1.187	6.123	24.23	46.66	94240.	566.0
#3	-1.023	6.764	23.79	46.46	93740.	560.7

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	1289.	887.1	130.8	12.23	117.2	.9614
Stddev	6.	6.0	4.7	.61	.9	1.514
%RSD	.4563	.6779	3.578	5.016	.7323	157.5
#1	1283.	880.7	133.5	12.89	117.3	-.4976
#2	1294.	892.6	125.4	12.11	116.4	.8569
#3	1290.	888.1	133.5	11.68	118.1	2.525

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

Sample Name: 460-111211-H-1-A@20 Acquired: 4/5/2016 10:53:43 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.572	-1.309	67.19	88.42	3.856	1.722
Stddev	2.586	1.744	.56	.18	.550	.125
%RSD	39.35	133.3	.8396	.2088	14.25	7.264
#1	5.740	-2.372	67.04	88.22	4.322	1.855
#2	9.472	.7040	66.72	88.58	3.996	1.606
#3	4.504	-2.259	67.82	88.46	3.250	1.704

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.99	17.56	369.0	114.4
Stddev	1.24	.10	1.5	6.5
%RSD	10.37	.5439	.4194	5.652
#1	13.42	17.46	367.3	117.7
#2	11.33	17.58	369.3	107.0
#3	11.21	17.65	370.3	118.6

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	3044.0	35673.	5438.1
Stddev	14.3	379.	57.6
%RSD	.46949	1.0632	1.0596
#1	3060.0	36081.	5502.6
#2	3039.2	35331.	5419.7
#3	3032.7	35607.	5391.9

Sample Name: CCV Acquired: 4/5/2016 11:09:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	2392.	1237.	9728.	986.9	124200.
Stddev	662.	5.	5.	22.	3.3	1178.
%RSD	.5307	.2088	.4345	.2253	.3346	.9491

#1	124700.	2395.	1236.	9748.	987.3	124300.
#2	125500.	2395.	1242.	9705.	989.9	125200.
#3	124200.	2386.	1231.	9731.	983.4	122900.

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	1223.	2456.	4849.	12050.	101400.	49090.
Stddev	5.	9.	29.	17.	833.	147.
%RSD	.3850	.3537	.5938	.1419	.8219	.2996

#1	1228.	2465.	4860.	12060.	101700.	49020.
#2	1218.	2448.	4871.	12060.	102000.	49260.
#3	1222.	2454.	4816.	12030.	100500.	48990.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122000.	5069.	126500.	2422.	7524.	965.8
Stddev	839.	44.	370.	7.	30.	2.0
%RSD	.6883	.8620	.2926	.2827	.4027	.2071

#1	122000.	5066.	126500.	2427.	7558.	968.0
#2	122800.	5114.	126900.	2415.	7510.	965.6
#3	121100.	5027.	126200.	2425.	7502.	964.0

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

Sample Name: CCV Acquired: 4/5/2016 11:09:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2388.	2496.	2430.	2491.	954.3	2414.
Stddev	6.	35.	13.	20.	3.6	4.
%RSD	.2470	1.403	.5515	.7913	.3805	.1586
#1	2393.	2536.	2436.	2514.	950.2	2417.
#2	2382.	2472.	2439.	2477.	956.0	2410.
#3	2389.	2479.	2414.	2483.	956.8	2415.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	972.7	5054.	9960.	9385.
Stddev	6.2	14.	24.	92.
%RSD	.6327	.2788	.2384	.9800
#1	979.0	5041.	9942.	9389.
#2	966.7	5069.	9952.	9291.
#3	972.3	5052.	9987.	9475.

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	2825.9	32710.	5280.4
Stddev	12.3	339.	62.8
%RSD	.43535	1.0369	1.1893
#1	2812.9	32730.	5273.6
#2	2837.4	32361.	5221.2
#3	2827.5	33039.	5346.3

Sample Name: CCVL Acquired: 4/5/2016 11:17:18 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	232.3	12.23	9.813	205.3	2.015	5071.
Stddev	10.6	2.30	.551	.5	.073	20.
%RSD	4.581	18.82	5.620	.2619	3.610	.4003

#1	220.2	9.749	10.07	205.3	2.027	5049.
#2	236.5	12.65	9.180	205.8	1.937	5074.
#3	240.2	14.30	10.19	204.8	2.081	5089.

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	4.176	52.96	9.858	27.70	173.0	4875.
Stddev	.091	.15	.227	.09	4.4	8.
%RSD	2.192	.2861	2.307	.3158	2.537	.1626

#1	4.143	52.88	10.12	27.71	170.5	4879.
#2	4.105	53.13	9.744	27.77	170.4	4880.
#3	4.279	52.86	9.711	27.60	178.0	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	4950.	16.34	5105.	42.49	11.10	17.95
Stddev	13.	.07	19.	.48	.33	1.04
%RSD	.2637	.4187	.3742	1.141	2.986	5.816

#1	4954.	16.28	5099.	42.99	10.81	18.13
#2	4936.	16.41	5089.	42.46	11.46	18.88
#3	4961.	16.33	5126.	42.02	11.04	16.82

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

Sample Name: CCVL Acquired: 4/5/2016 11:17:18 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.45	22.22	49.54	31.70	45.50	19.81
Stddev	2.35	.84	.33	.27	.31	.10
%RSD	14.31	3.797	.6655	.8613	.6728	.4852
#1	19.16	21.57	49.18	31.67	45.35	19.89
#2	15.00	23.17	49.63	31.98	45.31	19.83
#3	15.18	21.91	49.82	31.44	45.86	19.71

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	49.74	20.87	21.14	F 11.80
Stddev	1.33	.10	.14	17.82
%RSD	2.673	.4859	.6831	151.1
#1	48.27	20.97	21.04	1.010
#2	50.85	20.77	21.08	2.011
#3	50.10	20.88	21.30	32.37

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	3083.2	35352.	5452.6
Stddev	5.1	166.	37.7
%RSD	.16632	.46889	.69109
#1	3077.8	35401.	5419.2
#2	3083.9	35167.	5445.0
#3	3087.9	35488.	5493.4

Sample Name: LCS 460-360725/2-A Acquired: 4/5/2016 11:25:24 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1826.	F 1680.	F 44.77	F 1754.	F 45.05	F 17840.
Stddev	11.	3.	.44	2.	.08	76.
%RSD	.6142	.1959	.9821	.1031	.1824	.4286

#1	1813.	1682.	45.27	1755.	44.99	17920.
#2	1832.	1682.	44.54	1755.	45.01	17840.
#3	1832.	1676.	44.49	1752.	45.14	17770.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	2500.	1250.	10000.	1000.	125000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 45.56	F 454.5	F 180.0	F 211.4	F 936.9	F 16330.
Stddev	.15	.3	1.1	.8	9.7	45.
%RSD	.3341	.0758	.6164	.3572	1.036	.2760

#1	45.73	454.9	180.8	210.8	941.6	16360.
#2	45.49	454.4	180.6	211.2	925.8	16350.
#3	45.45	454.3	178.8	212.3	943.4	16280.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1250.	2500.	5000.	12500.	100000.	50000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 17490.	F 465.9	F 17990.	F 458.4	F 476.8	F 420.1
Stddev	76.	1.8	99.	.4	1.5	.4
%RSD	.4372	.3937	.5517	.0777	.3231	.0967

#1	17540.	467.6	17960.	458.7	476.5	420.5
#2	17540.	466.1	18100.	458.5	478.5	419.7
#3	17410.	463.9	17910.	458.0	475.5	420.0

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	5000.	125000.	2500.	7500.	1000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Sample Name: LCS 460-360725/2-A Acquired: 4/5/2016 11:25:24 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1744.	F 1960.	F 440.5	F 473.7	F 442.2	F 429.8
Stddev	2.	22.	1.2	1.5	1.1	.2
%RSD	.1050	1.134	.2668	.3163	.2494	.0480

#1	1746.	1985.	439.9	475.3	441.4	429.5
#2	1742.	1943.	439.8	472.5	441.7	429.8
#3	1744.	1951.	441.8	473.1	443.4	429.9

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500.	2500.	2500.	2500.	1000.	2500.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 448.7	F 449.9	F 453.8	F 35.62
Stddev	1.4	.3	.3	7.12
%RSD	.3141	.0623	.0584	19.99

#1	450.1	450.2	454.0	36.23
#2	448.5	449.7	453.5	28.21
#3	447.3	450.0	453.9	42.41

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	5000.	10000.	10000.
Range	-5.500%	-5.500%	-5.500%	-5.500%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3189.3	36518.	5618.4
Stddev	10.4	172.	34.6
%RSD	.32476	.47087	.61628

#1	3199.4	36713.	5636.6
#2	3189.6	36390.	5578.5
#3	3178.7	36451.	5640.2

Sample Name: 460-111371-D-2-A Acquired: 4/5/2016 11:33:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1797.	1.947	.5085	50.98	.1046	21690.
Stddev	20.	1.526	.2778	.36	.0700	90.
%RSD	1.112	78.39	54.63	.6997	66.97	.4171
#1	1777.	1.527	.2977	50.73	.0616	21660.
#2	1817.	3.639	.4046	50.82	.0667	21620.
#3	1799.	.6747	.8234	51.38	.1854	21790.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8169	2.472	6.812	114.3	6034.	4149.
Stddev	.0627	.216	.209	.6	19.	39.
%RSD	7.673	8.751	3.067	.5444	.3157	.9451
#1	.8419	2.236	7.014	113.6	6014.	4131.
#2	.8632	2.521	6.824	114.7	6036.	4122.
#3	.7456	2.660	6.597	114.7	6052.	4194.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2914.	126.6	15360.	12.97	338.5	3.770
Stddev	7.	.6	95.	.18	1.2	1.411
%RSD	.2469	.4610	.6192	1.379	.3428	37.41
#1	2912.	126.4	15250.	13.04	337.2	3.383
#2	2909.	126.0	15370.	13.09	338.8	5.334
#3	2923.	127.2	15440.	12.76	339.5	2.594

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

Sample Name: 460-111371-D-2-A Acquired: 4/5/2016 11:33:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.444	1.804	6.962	486.7	185.0	37.19
Stddev	.772	1.993	.235	1.7	.9	.31
%RSD	22.42	110.4	3.372	.3433	.4884	.8344
#1	-2.555	3.825	7.203	485.1	184.1	36.87
#2	-3.946	-1.592	6.951	486.7	185.1	37.49
#3	-3.830	1.748	6.733	488.4	185.9	37.22

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.397	121.8	77.73	4778.
Stddev	.845	.4	.33	13.
%RSD	35.25	.3180	.4215	.2764
#1	2.194	121.5	77.51	4783.
#2	3.324	121.6	78.10	4763.
#3	1.671	122.2	77.57	4789.

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

Int. Std.	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	35707.	5604.8
Stddev	23.9	407.	59.5
%RSD	.76905	1.1409	1.0613
#1	3125.6	36085.	5663.6
#2	3103.4	35759.	5606.1
#3	3077.9	35276.	5544.7

Sample Name: icsa 4079387 Acquired: 4/5/2016 10:29:12 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	495800.	-.6801	-.8526	-.1411	.0244	498500.
Stddev	1750.	1.881	.0666	.0540	.0737	2858.
%RSD	.3530	276.5	7.812	38.27	301.7	.5734

#1	496100.	-1.095	-.8153	-.1566	-.0060	497200.
#2	493900.	-2.319	-.8130	-.1858	-.0292	501800.
#3	497400.	1.373	-.9295	-.0811	.1085	496500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3352	-3.387	-1.116	-1.161	194800.	-75.99
Stddev	.0274	.235	.402	.772	771.	20.16
%RSD	8.186	6.939	36.05	66.51	.3959	26.53

#1	.3651	-3.508	-1.529	-.5260	194200.	-80.82
#2	.3295	-3.536	-.7255	-.9364	194400.	-53.85
#3	.3111	-3.116	-1.093	-2.021	195600.	-93.30

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497100.	-4.156	-40.17	-4.291	.8293	5.105
Stddev	2566.	.040	17.49	.326	.3635	3.352
%RSD	.5162	.9522	43.55	7.601	43.83	65.66

#1	494200.	-4.134	-60.37	-4.438	1.226	8.806
#2	498300.	-4.201	-30.28	-4.518	.7495	4.236
#3	498900.	-4.131	-29.86	-3.917	.5124	2.273

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

Sample Name: icsa 4079387 Acquired: 4/5/2016 10:29:12 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.243	3.401	.3568	-2.349	-10.35	-1.311
Stddev	4.726	2.860	.2530	.349	.97	.420
%RSD	380.1	84.10	70.90	14.84	9.413	32.04
#1	.1766	3.112	.4481	-1.948	-11.17	-.8812
#2	-6.517	.6960	.0709	-2.520	-9.273	-1.333
#3	2.610	6.395	.5515	-2.579	-10.61	-1.721

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.535	-1.569	-.8020	6.839
Stddev	1.344	.080	.0074	3.759
%RSD	29.65	5.066	.9204	54.96
#1	5.895	-1.488	-.8087	3.868
#2	4.502	-1.571	-.8032	11.06
#3	3.207	-1.647	-.7941	5.584

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2720.7	30707.	5159.7
Stddev	12.2	106.	53.8
%RSD	.44747	.34427	1.0424
#1	2725.2	30817.	5137.2
#2	2730.0	30699.	5221.1
#3	2706.9	30606.	5120.9

Sample Name: int-10a 4140672 Acquired: 4/5/2016 10:37:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	147.6	1.832	-1.712	10.18	2.626	41.39
Stddev	209.4	1.055	.252	.10	.148	27.88
%RSD	141.9	57.59	14.74	1.010	5.622	67.38
#1	38.74	2.812	-1.471	10.07	2.700	15.00
#2	389.1	.7149	-1.974	10.27	2.723	38.59
#3	15.04	1.970	-1.692	10.19	2.456	70.56

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5653	10090.	-2933	2.152	-39.22	-3.871
Stddev	.0656	17.	.2066	.269	20.07	18.57
%RSD	11.61	.1708	70.45	12.50	51.17	479.8
#1	-.6104	10110.	-.1669	1.867	-54.65	-20.73
#2	-.5954	10080.	-.5317	2.187	-46.50	16.04
#3	-.4900	10070.	-.1813	2.401	-16.53	-6.927

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34.47	-2022	-18.15	4.212	-4.314	-4.290
Stddev	24.07	.0485	5.67	.439	1.031	.719
%RSD	69.81	23.99	31.24	10.43	23.91	16.77
#1	10.37	-.2221	-24.61	4.119	-5.373	-3.691
#2	34.55	-.2376	-14.00	3.827	-3.313	-4.092
#3	58.50	-.1469	-15.84	4.690	-4.256	-5.088

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

Sample Name: int-10a 4140672 Acquired: 4/5/2016 10:37:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.196	28.20	F 9541.	-.1079	-10.38	-3.157
Stddev	.980	1.84	2.	.2149	.06	.132
%RSD	10.65	6.526	.0236	199.2	.5344	4.185
#1	-8.942	26.33	9541.	.1304	-10.32	-3.005
#2	-8.368	28.25	9543.	-.1669	-10.39	-3.245
#3	-10.28	30.01	9539.	-.2870	-10.42	-3.221

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	9691.	9624.	-.8477	8473.
Stddev	31.	113.	.1055	55.
%RSD	.3163	1.174	12.45	.6457
#1	9714.	9719.	-.7313	8425.
#2	9703.	9499.	-.8748	8532.
#3	9656.	9654.	-.9370	8462.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3075.1	35611.	5478.8
Stddev	1.6	112.	45.5
%RSD	.05115	.31422	.82956
#1	3075.1	35704.	5479.5
#2	3076.7	35643.	5523.8
#3	3073.6	35487.	5432.9

Sample Name: 460-111537-D-1-A@5 Acquired: 4/5/2016 11:52:18 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13470.	5.584	-.0076	30.25	1.117	5919.
Stddev	143.	1.428	.3510	.16	.082	29.
%RSD	1.061	25.58	4610.	.5262	7.311	.4872
#1	13630.	3.941	-.2966	30.19	1.177	5901.
#2	13440.	6.526	.3830	30.43	1.024	5952.
#3	13350.	6.285	-.1092	30.12	1.150	5904.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2237	4.189	31.69	46.07	16040.	502.1
Stddev	.0761	.066	.64	.09	101.	3.8
%RSD	34.03	1.580	2.020	.1938	.6279	.7652
#1	.2194	4.113	32.30	46.17	15960.	497.8
#2	.3018	4.214	31.76	46.02	16150.	503.3
#3	.1498	4.238	31.02	46.01	16000.	505.2

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	1734.	152.6	10830.	7.743	40.92	.0511
Stddev	8.	.8	68.	.233	.43	2.058
%RSD	.4623	.5292	.6302	3.011	1.047	4024.
#1	1727.	151.9	10890.	7.503	40.59	.6074
#2	1743.	153.4	10860.	7.969	41.40	1.774
#3	1733.	152.4	10760.	7.758	40.76	-2.228

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

Sample Name: 460-111537-D-1-A@5 Acquired: 4/5/2016 11:52:18 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.048	.5845	92.98	59.43	8.242	.9404
Stddev	.863	1.371	.43	.25	.672	.2412
%RSD	17.10	234.5	.4582	.4286	8.152	25.65
#1	-4.616	2.098	93.27	59.42	8.355	.7607
#2	-6.042	.2282	93.18	59.18	8.850	1.215
#3	-4.487	-.5731	92.49	59.69	7.520	.8461

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1158	28.43	141.3	7026.
Stddev	.4081	.18	15.2	48.
%RSD	352.5	.6284	10.72	.6792
#1	-.1370	28.32	133.9	7041.
#2	.5865	28.64	158.8	6972.
#3	-.1023	28.34	131.3	7064.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3180.9	37435.	5737.6
Stddev	15.8	193.	67.3
%RSD	.49527	.51541	1.1729
#1	3162.7	37214.	5678.5
#2	3190.0	37569.	5723.5
#3	3189.9	37523.	5810.9

Sample Name: 460-111458-A-1-A@5 Acquired: 4/5/2016 11:56:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.13	3.386	.0344	5.370	-.0445	14010.
Stddev	11.78	1.464	.7934	.072	.0717	63.
%RSD	23.49	43.25	2308.	1.340	161.1	.4475
#1	39.69	3.924	.0601	5.398	-.0709	13940.
#2	47.81	4.506	.8146	5.424	-.0993	14030.
#3	62.90	1.729	-.7716	5.289	.0367	14070.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0609	-.1533	2.636	4.694	138.8	8525.
Stddev	.1261	.1402	.587	.332	3.7	22.
%RSD	207.2	91.45	22.27	7.065	2.681	.2595
#1	-.1951	-.2238	2.043	4.435	136.8	8507.
#2	.0552	.0081	3.217	5.068	136.4	8519.
#3	-.0427	-.2442	2.647	4.580	143.1	8550.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1560.	2.036	F 984500.	3.701	-.0571	-.0302
Stddev	9.	.027	14470.	.152	1.631	.9294
%RSD	.5997	1.305	1.470	4.098	2858.	3076.
#1	1552.	2.044	996500.	3.867	.5456	.4769
#2	1558.	2.006	988500.	3.667	1.187	-1.103
#3	1570.	2.057	968400.	3.569	-1.904	.5353

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

Sample Name: 460-111458-A-1-A@5 Acquired: 4/5/2016 11:56:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.399	-.2016	2.410	4.977	8.005	3.051
Stddev	1.110	3.204	.583	.043	.362	.273
%RSD	79.36	1590.	24.21	.8625	4.526	8.944
#1	-1.957	-1.1518	2.324	4.937	7.701	3.258
#2	-.1204	2.977	1.874	5.022	8.406	2.742
#3	-2.119	-3.430	3.031	4.971	7.909	3.154

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2404	62.50	12.67	1585.
Stddev	.1825	.19	.14	28.
%RSD	75.89	.3000	1.080	1.794
#1	-.4071	62.40	12.59	1616.
#2	-.0454	62.71	12.82	1560.
#3	-.2688	62.37	12.58	1580.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2802.4	31484.	5274.0
Stddev	9.7	224.	57.4
%RSD	.34673	.71202	1.0874
#1	2794.7	31696.	5327.5
#2	2799.2	31507.	5213.5
#3	2813.3	31249.	5281.1

Sample Name: int-10b 4140674 Acquired: 4/5/2016 10:41:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.21	22.73	-.1848	.4314	-.6733	22.15
Stddev	5.25	2.81	.2532	.1268	.1214	2.89
%RSD	12.44	12.38	137.0	29.39	18.02	13.07
#1	40.02	20.19	-.4438	.4474	-.6896	25.44
#2	38.40	25.75	.0622	.5493	-.7858	20.01
#3	48.20	22.24	-.1729	.2973	-.5447	21.00

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6838	1.164	8944.	8625.	-36.29	-4.485
Stddev	.0835	.651	54.	26.	8.37	15.71
%RSD	12.22	55.94	.6031	.3018	23.05	350.2
#1	-.7778	1.889	8961.	8597.	-42.27	-18.31
#2	-.6182	.6294	8988.	8629.	-26.73	-7.749
#3	-.6553	.9732	8884.	8648.	-39.86	12.60

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.352	9265.	-12.22	9637.	-13.25	3.591
Stddev	5.229	58.	.91	5.	.13	.519
%RSD	222.3	.6303	7.421	.0527	.9847	14.47
#1	4.411	9284.	-11.32	9632.	-13.27	3.444
#2	-3.593	9311.	-12.20	9636.	-13.10	3.161
#3	6.237	9199.	-13.13	9642.	-13.36	4.168

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

Sample Name: int-10b 4140674 Acquired: 4/5/2016 10:41:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.131	1.866	7.074	-4.597	-41.36	4528.
Stddev	1.880	1.450	.702	.114	.49	7.
%RSD	23.12	77.70	9.923	2.471	1.195	.1569
#1	-10.26	.4443	7.878	-4.495	-41.93	4520.
#2	-7.456	3.342	6.758	-4.720	-41.13	4532.
#3	-6.683	1.811	6.586	-4.577	-41.02	4533.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6154	.2317	9100.	-24.45
Stddev	.2037	.1327	52.	18.51
%RSD	33.09	57.28	.5708	75.69
#1	.4832	.3755	9108.	-40.43
#2	.8499	.2058	9147.	-4.169
#3	.5130	.1138	9044.	-28.76

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2978.1	35251.	5378.6
Stddev	3.2	281.	50.2
%RSD	.10711	.79816	.93269
#1	2974.4	35225.	5418.3
#2	2980.5	34983.	5322.2
#3	2979.3	35544.	5395.4

Sample Name: 460-110789-e-1-f@20 Acquired: 4/5/2016 10:45:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5787.	15.23	.1784	15.46	.3091	70970.
Stddev	38.	1.14	.3886	.16	.0336	313.
%RSD	.6569	7.507	217.9	1.022	10.86	.4404

#1	5818.	14.22	-.2310	15.28	.3477	70610.
#2	5798.	16.47	.2240	15.55	.2929	71090.
#3	5745.	14.99	.5421	15.55	.2867	71210.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1961	6.280	9.241	52.59	14540.	1127.
Stddev	.0966	.340	.241	.16	51.	17.
%RSD	49.28	5.411	2.612	.3107	.3530	1.542

#1	-.2993	6.235	9.512	52.41	14490.	1143.
#2	-.1814	6.640	9.163	52.63	14540.	1129.
#3	-.1077	5.965	9.048	52.73	14590.	1108.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30720.	134.0	357.5	12.89	9.181	-2.529
Stddev	67.	.4	6.9	.41	1.119	.926
%RSD	.2173	.2680	1.920	3.207	12.19	36.61

#1	30640.	133.6	365.4	13.23	7.995	-2.987
#2	30770.	134.1	354.0	12.43	9.331	-1.464
#3	30740.	134.4	353.0	13.00	10.22	-3.138

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

Sample Name: 460-110789-e-1-f@20 Acquired: 4/5/2016 10:45:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	.9778	38.43	24.54	.8935	3.375
Stddev	4.380	1.250	.55	.18	.4474	1.428
%RSD	193.9	127.8	1.439	.7393	50.07	42.30
#1	-5.519	-1.503	37.85	24.50	1.349	4.980
#2	-3.977	2.321	38.95	24.74	.4552	2.899
#3	2.720	.7623	38.50	24.38	.8759	2.247

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 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	42.79	499.6	195.0
Stddev	.857	.22	.6	6.7
%RSD	81.57	.5224	.1181	3.410
#1	.0791	43.04	499.4	187.4
#2	1.700	42.74	500.2	199.3
#3	1.374	42.60	499.1	198.4

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	2987.5	34753.	5468.8
Stddev	7.2	209.	42.3
%RSD	.24002	.60171	.77435
#1	2992.6	34958.	5467.3
#2	2979.3	34762.	5511.9
#3	2990.6	34540.	5427.2

Sample Name: 460-111422-A-1-C MS Acquired: 4/5/2016 12:12:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4x

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48740.	973.8	22.96	1069.	29.27	18610.
Stddev	395.	7.7	.31	8.	.16	154.
%RSD	.8113	.7876	1.355	.7540	.5438	.8266

#1	48550.	966.0	23.31	1063.	29.19	18440.
#2	48480.	974.2	22.75	1066.	29.16	18640.
#3	49200.	981.3	22.81	1078.	29.45	18740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.37	279.6	188.9	195.5	190500.	11510.
Stddev	.21	1.9	1.4	1.1	988.	63.
%RSD	.9771	.6930	.7435	.5793	.5189	.5495

#1	21.34	277.6	188.1	194.2	189400.	11500.
#2	21.18	279.6	188.1	195.8	190900.	11460.
#3	21.59	281.5	190.6	196.4	191200.	11580.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16080.	1230.	9426.	308.6	387.3	129.1
Stddev	127.	6.	64.	3.2	2.4	1.6
%RSD	.7878	.4902	.6742	1.027	.6282	1.218

#1	15960.	1223.	9398.	306.0	385.0	127.8
#2	16070.	1234.	9381.	307.8	389.8	130.8
#3	16210.	1233.	9499.	312.1	387.2	128.6

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

Sample Name: 460-111422-A-1-C MS Acquired: 4/5/2016 12:12:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4x

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	892.5	975.6	380.9	456.0	232.4	231.3
Stddev	5.1	3.0	3.7	1.8	3.1	1.7
%RSD	.5745	.3073	.9698	.3884	1.323	.7537
#1	890.2	978.6	377.0	454.0	229.5	230.3
#2	888.9	972.6	381.4	456.7	232.3	230.4
#3	898.4	975.5	384.4	457.4	235.6	233.4

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	235.9	267.8	1437.	1234.
Stddev	1.9	1.2	7.	5.
%RSD	.7882	.4560	.5192	.3729
#1	234.0	268.1	1430.	1229.
#2	236.2	266.5	1437.	1236.
#3	237.7	268.9	1445.	1237.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3135.8	36184.	5689.9
Stddev	22.4	283.	51.1
%RSD	.71505	.78087	.89739
#1	3152.2	36471.	5718.4
#2	3145.0	36176.	5720.2
#3	3110.2	35906.	5630.9

Sample Name: 460-111420-E-2-B@20 Acquired: 4/5/2016 10:49:49 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5324.	10.34	.1889	120.9	.3791	3880.
Stddev	8.	3.19	.5422	.3	.0456	57.
%RSD	.1560	30.83	287.0	.2632	12.04	1.462

#1	5317.	13.04	.1639	120.5	.4012	3849.
#2	5323.	6.823	-.3403	121.2	.3266	3845.
#3	5333.	11.15	.7432	120.9	.4094	3945.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0940	12.98	27.15	97.16	42390.	430.6
Stddev	.0212	.04	.70	.29	68.	27.7
%RSD	22.53	.3449	2.568	.2965	.1598	6.437

#1	-.0999	13.01	27.23	97.07	42450.	451.2
#2	-.1117	13.01	26.41	96.93	42320.	399.1
#3	-.0705	12.93	27.80	97.48	42410.	441.7

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	1919.	279.3	229.4	28.14	709.0	1.371
Stddev	25.	.9	.9	.47	2.7	2.031
%RSD	1.299	.3205	.3820	1.685	.3760	148.2

#1	1904.	278.9	229.3	27.82	708.4	1.250
#2	1906.	278.7	228.6	28.68	706.7	3.459
#3	1948.	280.4	230.3	27.91	711.9	-.5975

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

Sample Name: 460-111420-E-2-B@20 Acquired: 4/5/2016 10:49:49 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	.8179	39.65	164.8	.6506	2.814
Stddev	1.452	1.418	.66	.7	.4384	.143
%RSD	63.90	173.4	1.654	.4062	67.39	5.067
#1	3.667	.3917	40.09	165.0	1.109	2.958
#2	.7687	2.400	38.90	164.1	.6072	2.809
#3	2.382	-.3384	39.97	165.4	.2355	2.673

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.17	36.26	256.0	121.8
Stddev	.15	.22	.9	4.5
%RSD	.8964	.6029	.3568	3.678
#1	17.33	36.31	255.2	116.7
#2	17.16	36.02	255.8	124.8
#3	17.02	36.46	257.0	124.0

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	3099.8	36233.	5544.1
Stddev	11.8	196.	54.6
%RSD	.38082	.54214	.98492
#1	3086.4	36007.	5524.1
#2	3108.8	36356.	5502.2
#3	3104.1	36338.	5605.8

Sample Name: 460-111377-E-11-B@20 Acquired: 4/5/2016 10:57:38 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7046.	7.340	-1.1881	57.67	.4648	72830.
Stddev	61.	1.941	.3512	.46	.0637	890.
%RSD	.8693	26.45	186.7	.7973	13.71	1.222
#1	6978.	6.977	.1221	57.25	.3912	71980.
#2	7096.	5.606	-.5694	57.60	.5004	72760.
#3	7066.	9.437	-.1170	58.16	.5028	73760.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0271	3.210	13.33	28.56	8159.	416.5
Stddev	.0461	.064	.36	.18	122.	8.9
%RSD	170.0	1.987	2.715	.6171	1.495	2.140
#1	-.0803	3.164	13.74	28.63	8039.	406.7
#2	.0001	3.184	13.09	28.69	8155.	424.2
#3	-.0011	3.283	13.15	28.36	8283.	418.4

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	11570.	241.1	89.45	9.009	43.45	-.7860
Stddev	136.	2.8	3.56	.137	1.85	2.481
%RSD	1.180	1.149	3.975	1.523	4.264	315.7
#1	11440.	238.5	92.64	9.061	41.82	-.0300
#2	11550.	240.7	85.62	8.853	43.07	1.229
#3	11710.	244.0	90.10	9.112	45.47	-3.557

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

Sample Name: 460-111377-E-11-B@20 Acquired: 4/5/2016 10:57:38 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.600	-.0083	16.92	84.93	13.58	2.403
Stddev	1.260	1.536	.28	1.35	.43	.203
%RSD	27.39	18510.	1.672	1.595	3.168	8.462
#1	-5.934	-.8332	16.84	83.76	13.20	2.423
#2	-3.429	1.764	16.70	84.60	13.50	2.190
#3	-4.437	-.9552	17.24	86.41	14.05	2.595

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.931	128.2	385.1	157.6
Stddev	.833	1.1	4.8	24.7
%RSD	28.41	.8328	1.257	15.70
#1	3.279	127.1	380.1	129.1
#2	3.534	128.2	385.7	171.9
#3	1.981	129.2	389.7	171.9

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	2935.0	34582.	5287.7
Stddev	10.3	193.	22.9
%RSD	.35152	.55725	.43323
#1	2936.9	34705.	5267.8
#2	2944.1	34681.	5282.6
#3	2923.8	34360.	5312.7

Sample Name: 460-111377-E-12-B@50 Acquired: 4/5/2016 11:01:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4535.	29.90	2.669	1621.	.2377	23580.
Stddev	12.	.57	.144	2.	.0578	143.
%RSD	.2712	1.894	5.393	.1385	24.30	.6057
#1	4521.	30.45	2.834	1624.	.2938	23550.
#2	4543.	29.32	2.570	1620.	.2408	23460.
#3	4542.	29.92	2.602	1620.	.1784	23740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.417	6.962	24.62	406.1	41380.	1184.
Stddev	.080	.228	.14	1.2	157.	10.
%RSD	5.656	3.277	.5497	.3049	.3796	.8545
#1	1.355	6.699	24.78	407.3	41290.	1187.
#2	1.507	7.077	24.55	406.3	41280.	1172.
#3	1.388	7.110	24.54	404.8	41560.	1191.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1240.	521.9	1054.	17.79	2222.	4.977
Stddev	6.	3.0	1.	.21	3.	1.251
%RSD	.4893	.5793	.0521	1.195	.1268	25.14
#1	1244.	521.3	1055.	17.87	2220.	4.330
#2	1233.	519.3	1054.	17.56	2220.	4.182
#3	1243.	525.2	1054.	17.96	2225.	6.420

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

Sample Name: 460-111377-E-12-B@50 Acquired: 4/5/2016 11:01:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.154	-1.508	6.960	1833.	9.426	2.149
Stddev	2.595	1.556	.083	2.	.202	.094
%RSD	120.5	103.2	1.188	.1191	2.141	4.378
#1	2.253	-3.245	6.983	1833.	9.629	2.218
#2	-.4894	-1.038	6.868	1830.	9.422	2.189
#3	4.697	-.2408	7.028	1835.	9.226	2.042

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	563.3	101.9	277.3	287.5
Stddev	1.0	.2	.3	7.1
%RSD	.1786	.2139	.1133	2.462
#1	563.5	102.1	276.9	281.6
#2	562.1	101.7	277.4	285.6
#3	564.1	102.0	277.5	295.3

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	3005.6	34948.	5283.1
Stddev	32.5	90.	88.2
%RSD	1.0804	.25793	1.6691
#1	2970.4	34847.	5209.6
#2	3012.3	35021.	5258.9
#3	3034.3	34975.	5380.9

Sample Name: pds 460-110977-A-1-B Acquired: 4/5/2016 12:40:36 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2297.	1891.	47.79	1908.	48.37	178700.
Stddev	8.	1.	.03	7.	.10	479.
%RSD	.3397	.0462	.0624	.3587	.2158	.2679

#1	2291.	1891.	47.78	1907.	48.48	178200.
#2	2306.	1891.	47.83	1915.	48.35	179000.
#3	2294.	1890.	47.77	1902.	48.27	179000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.80	478.3	195.8	235.4	1078.	20690.
Stddev	.03	1.9	1.0	.4	7.	32.
%RSD	.0628	.3875	.5151	.1731	.6675	.1550

#1	47.80	478.7	196.8	235.4	1084.	20690.
#2	47.83	479.9	194.8	235.0	1070.	20720.
#3	47.77	476.3	195.9	235.8	1078.	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	18690.	495.5	F 296100.	480.6	480.3	462.5
Stddev	28.	.9	3665.	1.2	3.4	1.4
%RSD	.1516	.1728	1.238	.2411	.7150	.3109

#1	18660.	494.5	298800.	480.1	481.3	461.9
#2	18690.	495.8	297500.	481.9	483.1	464.2
#3	18720.	496.1	291900.	479.7	476.4	461.5

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

Sample Name: pds 460-110977-A-1-B Acquired: 4/5/2016 12:40:36 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1949.	1929.	486.0	496.0	502.0	474.0
Stddev	4.	13.	.7	.9	.8	.7
%RSD	.2251	.6924	.1356	.1780	.1664	.1491
#1	1947.	1916.	485.8	496.8	501.3	473.3
#2	1954.	1929.	485.4	496.1	503.0	474.8
#3	1947.	1943.	486.7	495.1	501.8	474.0

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	480.4	1141.	498.1	7254.
Stddev	2.8	3.	2.0	32.
%RSD	.5857	.2530	.4063	.4470
#1	477.6	1140.	498.5	7217.
#2	483.3	1144.	500.0	7276.
#3	480.2	1138.	496.0	7270.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2858.9	32860.	5411.9
Stddev	5.3	158.	41.9
%RSD	.18631	.48013	.77388
#1	2864.3	33042.	5446.7
#2	2853.7	32781.	5365.4
#3	2858.8	32758.	5423.6

Sample Name: 460-111377-E-13-B@20 Acquired: 4/5/2016 11:05:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6520.	4.015	.1388	53.63	.2781	49440.
Stddev	29.	1.344	.1104	.23	.0553	433.
%RSD	.4487	33.48	79.49	.4305	19.90	.8768
#1	6487.	3.042	.0543	53.45	.2228	48940.
#2	6540.	3.456	.0986	53.55	.2780	49650.
#3	6534.	5.549	.2637	53.89	.3334	49720.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1083	3.889	13.77	16.82	11360.	1384.
Stddev	.0753	.193	.20	.33	78.	20.
%RSD	69.55	4.969	1.455	1.946	.6881	1.424
#1	-.1521	4.112	14.00	16.50	11270.	1361.
#2	-.0213	3.762	13.64	17.15	11380.	1393.
#3	-.1516	3.795	13.66	16.80	11430.	1397.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7818.	178.4	229.9	10.07	44.36	-1.146
Stddev	40.	1.2	7.3	.22	1.48	.034
%RSD	.5084	.6449	3.185	2.226	3.347	2.962
#1	7772.	177.1	226.9	10.22	44.31	-1.144
#2	7840.	178.8	224.6	10.18	42.90	-1.181
#3	7841.	179.3	238.3	9.813	45.87	-1.113

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

Sample Name: 460-111377-E-13-B@20 Acquired: 4/5/2016 11:05:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.324	.2829	17.95	52.54	3.224	.5050
Stddev	1.063	.7783	.10	.42	.482	.1308
%RSD	24.58	275.1	.5553	.8051	14.96	25.89
#1	-3.986	1.140	17.87	52.19	2.867	.6512
#2	-5.515	.0899	17.92	52.41	3.773	.4647
#3	-3.471	-.3807	18.06	53.01	3.033	.3992

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.047	126.5	513.4	149.9
Stddev	.483	.3	2.2	10.9
%RSD	15.86	.2064	.4199	7.278
#1	3.381	126.2	510.9	141.7
#2	3.268	126.6	514.3	162.3
#3	2.493	126.7	514.9	145.7

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	3032.9	34823.	5435.6
Stddev	10.4	275.	34.7
%RSD	.34423	.78953	.63901
#1	3023.7	35123.	5472.4
#2	3030.7	34583.	5403.3
#3	3044.2	34762.	5431.2

Sample Name: CCB Acquired: 4/5/2016 11:13:13 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.89	.6350	.4235	.1247	.0751	15.87
Stddev	2.04	1.688	.5989	.1243	.1145	1.72
%RSD	12.86	265.8	141.4	99.68	152.5	10.81
#1	17.93	-1.072	1.064	.2619	-.0226	17.48
#2	15.91	2.303	.3292	.0925	.2010	16.07
#3	13.84	.6740	-.1226	.0196	.0468	14.06

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0331	.0638	-.1588	2.689	6.097	9.768
Stddev	.0966	.1443	.3656	.501	3.354	24.28
%RSD	291.8	226.1	230.2	18.62	55.01	248.6
#1	-.0537	.1052	-.4264	3.264	2.476	11.81
#2	.1372	.1829	.2577	2.460	6.718	-15.47
#3	.0158	-.0966	-.3077	2.344	9.096	32.96

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.749	.1207	-12.58	.3070	-.4763	-.4089
Stddev	.756	.0666	12.06	.2369	.9066	.6403
%RSD	20.17	55.13	95.88	77.16	190.4	156.6
#1	4.582	.0439	-14.95	.5505	.2798	-.3499
#2	3.106	.1564	.4910	.2934	-.2273	.1999
#3	3.559	.1619	-23.28	.0772	-1.481	-1.077

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

Sample Name: CCB Acquired: 4/5/2016 11:13:13 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.342	-.0271	-.1274	.2142	-2.645	.9028
Stddev	.909	.5681	.4202	.0597	.574	.2709
%RSD	38.84	2094.	329.8	27.87	21.70	30.00
#1	-3.392	.0361	.0193	.2678	-2.402	1.208
#2	-1.791	.5067	.1998	.2248	-2.232	.8108
#3	-1.843	-.6242	-.6013	.1499	-3.300	.6899

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.032	.1322	.2777	.4523
Stddev	.081	.5200	.0940	8.970
%RSD	7.855	393.4	33.86	1983.
#1	-1.062	-.1696	.1773	-8.733
#2	-1.094	.7326	.3637	.9009
#3	-.9404	-.1665	.2921	9.189

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	3057.2	35316.	5336.5
Stddev	17.4	342.	28.1
%RSD	.57076	.96740	.52623
#1	3037.1	34939.	5304.1
#2	3067.0	35407.	5353.4
#3	3067.6	35604.	5352.0

Sample Name: CCV Acquired: 4/5/2016 12:52:56 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	2351.	1205.	9701.	989.5	120900.
Stddev	717.	6.	1.	3.	6.1	349.
%RSD	.5793	.2492	.0646	.0273	.6180	.2882
#1	123100.	2355.	1206.	9699.	983.2	121300.
#2	123800.	2344.	1204.	9704.	990.0	121000.
#3	124600.	2354.	1206.	9700.	995.4	120600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1213.	2441.	4827.	12050.	99350.	48660.
Stddev	1.	1.	13.	19.	205.	86.
%RSD	.1117	.0266	.2678	.1565	.2064	.1772
#1	1212.	2441.	4823.	12030.	99130.	48560.
#2	1214.	2442.	4842.	12060.	99540.	48680.
#3	1214.	2441.	4817.	12050.	99390.	48720.

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.	4910.	124200.	2421.	7443.	956.7
Stddev	452.	16.	618.	3.	13.	.3
%RSD	.3790	.3306	.4979	.1174	.1776	.0356
#1	119600.	4928.	123500.	2418.	7428.	956.7
#2	119200.	4903.	124300.	2423.	7454.	956.4
#3	118700.	4898.	124800.	2422.	7446.	957.1

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

Sample Name: CCV Acquired: 4/5/2016 12:52:56 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2358.	2494.	2428.	2470.	955.1	2419.
Stddev	10.	42.	10.	7.	1.0	5.
%RSD	.4348	1.692	.4008	.2671	.1066	.2172

#1	2354.	2490.	2419.	2463.	956.3	2415.
#2	2351.	2453.	2438.	2476.	954.5	2418.
#3	2370.	2537.	2428.	2470.	954.5	2425.

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	967.9	4946.	9883.	9549.
Stddev	3.7	4.	119.	13.
%RSD	.3826	.0885	1.205	.1352

#1	970.0	4951.	9801.	9557.
#2	963.6	4944.	9829.	9534.
#3	970.1	4944.	10020.	9556.

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	2775.3	32761.	5165.8
Stddev	8.7	70.	59.0
%RSD	.31313	.21519	1.1420

#1	2785.0	32841.	5227.5
#2	2768.1	32707.	5159.9
#3	2772.8	32736.	5110.0

Sample Name: MB 460-360725/1-A Acquired: 4/5/2016 11:21:20 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 2.154	F 1.828	F -1.132	F .0281	F .0086	F 15.83
Stddev	13.57	1.459	.3782	.0819	.0714	1.51
%RSD	630.0	79.77	334.0	291.6	833.1	9.516

#1	-4.765	3.117	-.3891	-.0569	-.0633	14.20
#2	-6.561	2.123	.3179	.0346	.0795	17.17
#3	17.79	.2451	-.2685	.1065	.0095	16.12

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	2500.	1250.	10000.	1000.	125000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F .1058	F .0942	F -.4612	F 3.871	F -1.908	F -.6709
Stddev	.0575	.0142	.2473	.192	2.548	4.773
%RSD	54.39	15.06	53.62	4.963	133.6	711.5

#1	.0472	.0833	-.4848	3.661	-3.066	-.9921
#2	.1622	.0892	-.2030	4.037	1.014	-5.275
#3	.1080	.1103	-.6958	3.916	-3.671	4.255

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1250.	2500.	5000.	12500.	100000.	50000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -.7024	F .0354	F -33.61	F .3423	F -.3239	F .0016
Stddev	3.688	.0789	4.38	.1952	.5167	1.650
%RSD	525.0	222.9	13.02	57.01	159.5	101000.

#1	-4.020	.0896	-30.61	.1379	-.1723	1.696
#2	3.268	-.0551	-38.64	.5267	.1000	-.0912
#3	-1.355	.0716	-31.59	.3624	-.8995	-1.600

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	5000.	125000.	2500.	7500.	1000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Sample Name: MB 460-360725/1-A Acquired: 4/5/2016 11:21:20 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -3.024	F 1.207	F -.3054	F .6880	F -3.165	F .1381
Stddev	.496	.882	.1475	.1429	.543	.2350
%RSD	16.40	73.10	48.29	20.78	17.17	170.2

#1	-2.855	1.560	-.2582	.6256	-2.636	.3345
#2	-3.582	.2028	-.1872	.5868	-3.721	-.1223
#3	-2.635	1.858	-.4706	.8515	-3.138	.2020

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500.	2500.	2500.	2500.	1000.	2500.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F .0781	F -.0588	F .0795	F 2.637
Stddev	.5937	.0678	.0709	14.93
%RSD	760.1	115.4	89.19	566.3

#1	.0190	.0004	.1373	17.26
#2	.6991	-.1327	.1007	3.250
#3	-.4838	-.0439	.0004	-12.59

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	5000.	10000.	10000.
Range	-5.500%	-5.500%	-5.500%	-5.500%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3071.0	35358.	5357.1
Stddev	9.6	95.	27.0
%RSD	.31187	.27000	.50432

#1	3082.1	35416.	5328.5
#2	3065.3	35409.	5360.5
#3	3065.7	35247.	5382.2

Sample Name: 460-111445-A-1-B@5 Acquired: 4/5/2016 13:09:08 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	432.2	.9390	-.4322	26.97	.0257	153800.
Stddev	27.8	1.674	.2922	.02	.0577	395.
%RSD	6.438	178.3	67.60	.0822	224.5	.2567

#1	419.0	1.079	-.4531	26.97	-.0103	154200.
#2	413.4	-.8008	-.7133	26.99	-.0048	153800.
#3	464.1	2.539	-.1301	26.95	.0922	153400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0051	-.3125	1.001	.0160	5.101	821.8
Stddev	.0978	.1961	.216	.2070	1.391	27.8
%RSD	1904.	62.76	21.59	1290.	27.27	3.388

#1	.0090	-.4857	1.075	.1509	4.627	808.9
#2	-.0946	-.0995	1.171	.1196	6.667	802.8
#3	.1010	-.3524	.7579	-.2223	4.009	853.7

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	55.20	.1640	F 272700.	.6058	-.7658	-1.303
Stddev	4.53	.0454	2687.	.1139	.9095	1.145
%RSD	8.208	27.66	.9855	18.79	118.8	87.89

#1	55.35	.2016	270200.	.6164	-1.768	-.6034
#2	59.65	.1136	275500.	.7140	.0080	-2.624
#3	50.59	.1767	272300.	.4870	-.5377	-.6807

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

Sample Name: 460-111445-A-1-B@5 Acquired: 4/5/2016 13:09:08 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.371	.4819	.8237	.9767	5.188	.3712
Stddev	3.112	2.025	.1629	.1524	.336	.3721
%RSD	131.2	420.3	19.78	15.60	6.475	100.2
#1	-.2422	2.640	.9841	1.125	5.214	.6830
#2	-.9289	.1826	.6584	.9839	4.840	.4712
#3	-5.943	-1.377	.8286	.8209	5.510	-.0406

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9460	695.7	2.289	2682.
Stddev	.8812	1.7	.185	3.
%RSD	93.15	.2489	8.059	.1070
#1	-1.026	693.7	2.208	2679.
#2	-.0273	697.0	2.159	2685.
#3	-1.784	696.4	2.500	2683.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2799.8	32731.	5213.3
Stddev	2.0	53.	31.2
%RSD	.07108	.16218	.59925
#1	2802.1	32751.	5235.3
#2	2798.3	32771.	5227.1
#3	2799.1	32671.	5177.6

Sample Name: 460-111445-A-2-B@5 Acquired: 4/5/2016 13:13:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	265.2	2.184	-.0220	19.79	-.0301	144200.
Stddev	1.7	2.668	.4054	.12	.0549	1284.
%RSD	.6264	122.1	1842.	.6222	182.5	.8903

#1	265.6	5.129	.0319	19.65	.0319	145400.
#2	266.6	1.494	.3537	19.85	-.0727	142900.
#3	263.4	-.0710	-.4517	19.86	-.0494	144500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0555	-.2581	-1.279	-.2754	6.428	611.9
Stddev	.0359	.0586	.112	.1531	5.920	12.9
%RSD	64.82	22.72	8.751	55.61	92.10	2.100

#1	-.0410	-.1921	-1.172	-.2331	10.06	624.6
#2	-.0290	-.3043	-1.395	-.4452	-.4035	598.9
#3	-.0964	-.2779	-1.272	-.1478	9.632	612.4

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	3224.	.1888	F 277300.	.2307	-2.994	.8001
Stddev	21.	.0678	845.	.4730	.218	.7631
%RSD	.6498	35.92	.3048	205.0	7.278	95.37

#1	3247.	.2621	277400.	.4740	-3.080	1.564
#2	3205.	.1760	276400.	.5325	-3.156	.7988
#3	3220.	.1283	278100.	-.3144	-2.746	.0377

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

Sample Name: 460-111445-A-2-B@5 Acquired: 4/5/2016 13:13:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.555	.4182	1.967	.7662	19.13	.4823
Stddev	2.460	1.438	.411	.1487	.78	.0624
%RSD	54.00	344.0	20.89	19.41	4.066	12.94
#1	-6.014	1.781	2.230	.7925	19.32	.4135
#2	-5.935	-1.085	2.178	.9001	19.79	.5354
#3	-1.715	.5582	1.494	.6061	18.27	.4979

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3047	708.3	1.910	3703.
Stddev	.2770	2.9	.239	47.
%RSD	90.91	.4082	12.50	1.260
#1	-.3181	705.1	2.126	3650.
#2	-.5747	709.0	1.951	3725.
#3	-.0212	710.7	1.654	3735.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2792.9	32839.	5211.6
Stddev	5.2	330.	30.1
%RSD	.18453	1.0043	.57805
#1	2790.0	32561.	5177.9
#2	2789.9	33204.	5221.1
#3	2798.9	32752.	5235.9

Sample Name: 460-111371-D-2-B DU Acquired: 4/5/2016 11:29:07 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1761.	3.339	.2422	50.78	-.0120	21340.
Stddev	13.	1.112	.3270	.08	.0979	51.
%RSD	.7508	33.30	135.0	.1512	818.3	.2404

#1	1747.	4.516	.5443	50.85	.0732	21290.
#2	1773.	3.196	.2873	50.70	.0099	21340.
#3	1763.	2.306	-.1049	50.78	-.1190	21390.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8249	2.658	6.697	113.0	5923.	4136.
Stddev	.0379	.055	.449	.7	18.	21.
%RSD	4.595	2.049	6.697	.5983	.3023	.5039

#1	.8680	2.720	7.005	112.2	5943.	4154.
#2	.8101	2.639	6.904	113.5	5918.	4140.
#3	.7966	2.616	6.182	113.2	5908.	4113.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2883.	124.3	15110.	13.05	335.6	4.552
Stddev	19.	.5	32.	.16	.8	.604
%RSD	.6478	.3792	.2122	1.203	.2456	13.26

#1	2862.	123.8	15090.	13.14	334.7	3.913
#2	2898.	124.8	15090.	12.87	336.3	4.630
#3	2889.	124.3	15140.	13.15	335.8	5.113

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

Sample Name: 460-111371-D-2-B DU Acquired: 4/5/2016 11:29:07 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.677	2.610	6.779	481.9	185.9	37.18
Stddev	2.024	.670	.244	1.1	.9	.11
%RSD	30.31	25.67	3.598	.2261	.4796	.3014
#1	-4.353	1.861	6.737	481.5	186.6	37.18
#2	-7.624	2.817	7.040	481.1	186.1	37.30
#3	-8.053	3.152	6.558	483.1	184.9	37.07

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.813	120.7	77.14	4771.
Stddev	.398	.6	.26	33.
%RSD	21.98	.4637	.3339	.6820
#1	2.038	120.1	77.35	4773.
#2	2.047	120.9	77.22	4801.
#3	1.353	121.1	76.86	4737.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3121.3	36354.	5696.2
Stddev	4.1	194.	27.6
%RSD	.13205	.53290	.48508
#1	3125.6	36529.	5690.7
#2	3121.0	36388.	5726.2
#3	3117.3	36146.	5671.8

Sample Name: 460-111445-A-5-B@5 Acquired: 4/5/2016 13:26:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	390.7	2.180	-.0387	45.28	.0514	155300.
Stddev	15.7	.709	.1459	.13	.0551	453.
%RSD	4.014	32.53	377.2	.2804	107.2	.2916

#1	397.1	2.764	.1058	45.19	.0948	154900.
#2	372.9	2.385	-.1859	45.23	-.0106	155800.
#3	402.2	1.391	-.0359	45.43	.0700	155300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1426	-.1863	47.59	.2808	-.0594	532.3
Stddev	.0836	.1094	.56	.0660	5.517	15.1
%RSD	58.63	58.74	1.185	23.50	9296.	2.838

#1	-.2385	-.3015	46.94	.2897	-6.194	519.7
#2	-.1046	-.0837	47.96	.3419	1.521	549.0
#3	-.0847	-.1738	47.87	.2108	4.496	528.2

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	8.655	.0565	F 263700.	.3879	-.1033	-1.447
Stddev	4.207	.0197	2028.	.5063	.6589	.924
%RSD	48.61	34.84	.7693	130.5	637.7	63.90

#1	9.894	.0792	265200.	.0976	.6403	-2.237
#2	3.967	.0431	264400.	.0936	-.6145	-1.674
#3	12.10	.0474	261400.	.9725	-.3358	-.4300

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

Sample Name: 460-111445-A-5-B@5 Acquired: 4/5/2016 13:26:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.433	1.376	-0.0864	.8010	-1.881	2.029
Stddev	2.136	.673	.3565	.0509	.220	.156
%RSD	62.23	48.90	412.5	6.351	11.70	7.675
#1	-1.030	.6535	-.4551	.8338	-2.102	1.850
#2	-5.117	1.490	.2565	.7424	-1.662	2.136
#3	-4.153	1.985	-.0607	.8269	-1.880	2.100

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6042	249.5	1.421	868.6
Stddev	.6335	.2	.160	9.9
%RSD	104.8	.0656	11.28	1.142
#1	-0.4248	249.4	1.360	857.6
#2	-1.308	249.7	1.603	871.4
#3	-.0798	249.5	1.300	876.8

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	2817.6	33011.	5341.4
Stddev	11.1	154.	33.1
%RSD	.39379	.46625	.61878
#1	2830.1	33130.	5377.4
#2	2808.8	32837.	5334.2
#3	2814.0	33066.	5312.5

Sample Name: sd 460-111371-D-2-A Acquired: 4/5/2016 11:36:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	465.5	.6806	.4095	9.538	.0373	4029.
Stddev	3.8	2.059	.4038	.041	.0731	18.
%RSD	.8072	302.6	98.61	.4248	195.9	.4561

#1	462.2	-1.428	.8622	9.579	-.0442	4049.
#2	469.6	.7833	.0861	9.536	.0592	4013.
#3	464.7	2.687	.2804	9.498	.0969	4026.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1620	.5419	1.086	22.33	1123.	776.6
Stddev	.1310	.1282	.241	.13	5.	14.5
%RSD	80.88	23.65	22.18	.5990	.4487	1.870

#1	.2977	.6842	1.005	22.44	1121.	759.9
#2	.0362	.5059	.8962	22.18	1129.	785.5
#3	.1521	.4356	1.357	22.36	1120.	784.5

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	532.1	23.80	2879.	2.721	63.75	.3659
Stddev	6.8	.11	1.	.670	.56	1.035
%RSD	1.274	.4655	.0392	24.63	.8853	282.9

#1	537.8	23.86	2879.	3.226	64.29	.0183
#2	524.6	23.67	2878.	2.976	63.17	1.530
#3	533.7	23.87	2880.	1.961	63.81	-.4508

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

Sample Name: sd 460-111371-D-2-A Acquired: 4/5/2016 11:36:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.726	1.578	1.055	89.37	31.64	7.210
Stddev	.702	.849	.079	.15	.34	.203
%RSD	25.74	53.81	7.447	.1662	1.079	2.822
#1	-2.070	2.534	1.129	89.45	31.92	7.354
#2	-3.466	1.286	1.064	89.47	31.75	6.978
#3	-2.643	.9131	.9729	89.20	31.26	7.299

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3885	22.82	14.62	881.5
Stddev	.6092	.21	.21	13.8
%RSD	156.8	.9335	1.404	1.564
#1	.0559	22.76	14.38	867.3
#2	-.1385	22.65	14.75	894.8
#3	-1.083	23.06	14.73	882.5

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	3130.4	36609.	5572.8
Stddev	15.5	281.	77.6
%RSD	.49398	.76621	1.3926
#1	3117.8	36313.	5496.1
#2	3125.7	36871.	5570.9
#3	3147.6	36643.	5651.3

Sample Name: 460-111417-A-5-C@5 Acquired: 4/5/2016 13:34:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123.6	1.783	-0.669	96.37	.1839	3550.
Stddev	8.3	.933	.1011	.37	.0520	50.
%RSD	6.701	52.33	151.0	.3831	28.28	1.420
#1	114.1	2.216	.0407	95.99	.2271	3523.
#2	128.9	2.422	-.0817	96.41	.1984	3518.
#3	127.9	.7123	-.1598	96.72	.1262	3608.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0964	2.044	.1588	5.846	109.0	676.7
Stddev	.0518	.079	.2381	.720	7.8	7.5
%RSD	53.75	3.867	149.9	12.31	7.113	1.111
#1	.0801	1.974	-.0706	5.699	113.9	679.2
#2	.0547	2.130	.4047	5.211	100.0	682.5
#3	.1545	2.029	.1424	6.628	113.0	668.2

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	568.0	865.0	F 250800.	2.513	11.75	.3029
Stddev	9.9	9.8	940.	.032	1.02	.7177
%RSD	1.745	1.135	.3749	1.287	8.700	236.9
#1	569.2	859.3	251700.	2.516	11.21	1.116
#2	557.6	859.4	249800.	2.544	12.93	.0351
#3	577.3	876.4	251000.	2.479	11.12	-.2423

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

Sample Name: 460-111417-A-5-C@5 Acquired: 4/5/2016 13:34:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.385	.4654	-.2537	12.42	10.56	-.1164
Stddev	2.250	.8226	.1805	.08	.32	.0817
%RSD	94.31	176.7	71.14	.6216	3.004	70.18
#1	.2013	.9129	-.1745	12.46	10.87	-.0978
#2	-3.472	.9673	-.1264	12.33	10.57	-.2057
#3	-3.885	-.4839	-.4603	12.47	10.24	-.0456

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6053	32.24	.9044	328.4
Stddev	.8343	.03	.0865	13.9
%RSD	137.8	.0902	9.564	4.243
#1	-.0990	32.23	.9906	322.3
#2	-.1486	32.22	.9051	344.4
#3	-1.568	32.27	.8176	318.7

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	2885.6	34017.	5456.5
Stddev	9.5	271.	54.2
%RSD	.33006	.79575	.99299
#1	2876.2	34222.	5397.8
#2	2895.3	34120.	5467.0
#3	2885.3	33710.	5504.6

Sample Name: 460-111371-D-2-C MS Acquired: 4/5/2016 11:41:00 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3666.	1596.	41.88	1688.	42.75	36950.
Stddev	18.	5.	.22	4.	.19	149.
%RSD	.4823	.3256	.5176	.2413	.4401	.4038

#1	3652.	1593.	42.12	1683.	42.91	36780.
#2	3686.	1602.	41.82	1690.	42.81	37020.
#3	3659.	1593.	41.70	1689.	42.55	37040.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.28	428.2	174.5	308.1	6540.	19300.
Stddev	.22	1.0	.8	1.3	31.	63.
%RSD	.5036	.2345	.4854	.4056	.4710	.3273

#1	43.18	427.1	173.7	308.4	6519.	19280.
#2	43.53	428.9	175.4	309.2	6575.	19380.
#3	43.12	428.7	174.3	306.7	6526.	19260.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19010.	547.8	31490.	439.6	758.0	387.3
Stddev	79.	2.0	99.	1.1	3.7	1.6
%RSD	.4175	.3734	.3145	.2580	.4837	.4173

#1	18920.	545.5	31460.	438.3	753.8	388.1
#2	19080.	549.4	31600.	440.5	760.3	388.3
#3	19020.	548.6	31410.	439.9	760.0	385.4

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

Sample Name: 460-111371-D-2-C MS Acquired: 4/5/2016 11:41:00 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1653.	1817.	422.7	895.7	597.4	432.8
Stddev	5.	11.	2.2	3.0	.8	1.1
%RSD	.2821	.5868	.5135	.3331	.1366	.2571

#1	1658.	1826.	421.1	893.9	597.6	433.2
#2	1651.	1818.	425.1	899.1	598.1	433.7
#3	1649.	1805.	421.7	894.0	596.5	431.6

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	412.8	537.1	517.7	5954.
Stddev	1.1	1.9	.4	20.
%RSD	.2616	.3599	.0763	.3432

#1	412.9	535.0	517.4	5965.
#2	413.9	538.7	518.2	5966.
#3	411.7	537.7	517.6	5930.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3105.8	35831.	5668.8
Stddev	21.4	395.	31.9
%RSD	.68944	1.1022	.56257

#1	3130.2	36272.	5703.3
#2	3097.2	35713.	5640.4
#3	3090.0	35509.	5662.6

Sample Name: pds 460-111371-D-2-A Acquired: 4/5/2016 11:44:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3637.	1790.	47.06	1891.	47.73	39380.
Stddev	39.	9.	.42	14.	.36	437.
%RSD	1.072	.4929	.9000	.7237	.7589	1.110
#1	3597.	1784.	46.67	1880.	47.31	38990.
#2	3638.	1800.	46.99	1906.	47.92	39850.
#3	3675.	1786.	47.51	1886.	47.96	39300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.36	479.2	195.8	331.9	6651.	21110.
Stddev	.38	3.9	2.8	3.1	30.	257.
%RSD	.7918	.8066	1.425	.9215	.4559	1.217
#1	48.23	476.4	192.6	328.4	6624.	20820.
#2	48.80	483.6	197.5	333.3	6684.	21180.
#3	48.07	477.5	197.3	334.1	6645.	21320.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21050.	602.8	33530.	492.6	813.3	451.5
Stddev	279.	8.8	305.	3.1	5.8	5.3
%RSD	1.323	1.459	.9098	.6201	.7072	1.178
#1	20750.	593.9	33180.	489.7	811.9	445.8
#2	21290.	611.4	33660.	495.8	819.6	456.3
#3	21100.	603.1	33750.	492.3	808.3	452.3

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

Sample Name: pds 460-111371-D-2-A Acquired: 4/5/2016 11:44:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1861.	2028.	474.1	950.8	654.1	490.6
Stddev	11.	41.	5.1	8.0	5.2	4.8
%RSD	.6154	2.042	1.085	.8413	.8022	.9782
#1	1863.	2053.	468.3	956.0	652.1	487.4
#2	1871.	2051.	475.7	954.8	660.0	496.1
#3	1848.	1980.	478.2	941.6	650.2	488.2

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	473.6	587.4	554.1	4734.
Stddev	4.3	9.1	6.2	56.
%RSD	.9132	1.546	1.117	1.189
#1	473.1	577.4	547.1	4779.
#2	478.2	589.9	556.6	4752.
#3	469.6	595.0	558.7	4671.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3066.8	35241.	5573.8
Stddev	25.6	417.	79.9
%RSD	.83630	1.1844	1.4326
#1	3091.6	35654.	5665.9
#2	3040.4	34819.	5531.9
#3	3068.5	35251.	5523.7

Sample Name: 460-111371-D-1-A Acquired: 4/5/2016 11:48:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2988.	2.667	-.0236	104.7	.0301	63780.
Stddev	10.	1.345	.2672	.4	.1102	241.
%RSD	.3370	50.42	1132.	.3829	366.5	.3780
#1	2984.	3.990	.0776	104.6	-.0960	63960.
#2	2999.	1.302	.1782	105.1	.0786	63860.
#3	2980.	2.708	-.3266	104.4	.1076	63500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.246	4.146	16.38	155.4	6706.	5645.
Stddev	.042	.169	.35	.3	37.	2.
%RSD	3.378	4.066	2.164	.2023	.5550	.0332
#1	1.290	3.955	16.04	155.1	6718.	5644.
#2	1.207	4.210	16.35	155.3	6736.	5647.
#3	1.241	4.274	16.75	155.7	6664.	5644.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8786.	137.8	37040.	16.09	156.3	4.151
Stddev	10.	.2	40.	.40	1.1	.803
%RSD	.1086	.1687	.1076	2.487	.6988	19.34
#1	8780.	137.8	37010.	15.66	155.1	3.454
#2	8797.	138.0	37030.	16.17	156.8	3.969
#3	8781.	137.5	37080.	16.44	157.1	5.029

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

Sample Name: 460-111371-D-1-A Acquired: 4/5/2016 11:48:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.475	2.616	9.494	327.0	396.7	13.44
Stddev	4.494	.400	.080	.5	2.5	.28
%RSD	129.3	15.29	.8401	.1380	.6184	2.080
#1	-0.165	2.689	9.495	327.5	394.3	13.16
#2	-8.554	2.975	9.414	327.0	396.5	13.43
#3	-1.853	2.185	9.573	326.6	399.2	13.72

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.050	374.0	147.8	7265.
Stddev	.660	1.4	.2	81.
%RSD	32.19	.3612	.1180	1.109
#1	2.482	374.3	147.6	7358.
#2	2.378	372.5	147.9	7222.
#3	1.290	375.2	147.9	7215.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3051.1	35764.	5587.7
Stddev	6.8	150.	97.8
%RSD	.22277	.42035	1.7509
#1	3056.6	35931.	5699.9
#2	3053.2	35639.	5520.1
#3	3043.5	35723.	5543.0

Sample Name: CCV Acquired: 4/5/2016 12:00:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120000.	2346.	1185.	9618.	961.5	121300.
Stddev	2171.	43.	16.	165.	19.7	1659.
%RSD	1.809	1.849	1.357	1.711	2.051	1.368

#1	120800.	2384.	1188.	9782.	971.5	120900.
#2	121800.	2357.	1199.	9618.	974.2	123100.
#3	117600.	2299.	1167.	9453.	938.7	119800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1203.	2402.	4841.	11830.	97810.	47700.
Stddev	20.	37.	83.	266.	1428.	843.
%RSD	1.703	1.536	1.721	2.248	1.460	1.768

#1	1223.	2437.	4864.	12020.	98000.	48050.
#2	1203.	2404.	4911.	11950.	99130.	48300.
#3	1182.	2364.	4749.	11530.	96290.	46730.

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	120100.	4905.	120300.	2398.	7246.	935.2
Stddev	1837.	63.	2016.	46.	113.	17.2
%RSD	1.529	1.293	1.676	1.900	1.559	1.838

#1	120300.	4893.	121000.	2445.	7351.	952.8
#2	121900.	4973.	121900.	2395.	7260.	934.3
#3	118300.	4848.	118000.	2354.	7126.	918.5

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

Sample Name: CCV Acquired: 4/5/2016 12:00:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2347.	2409.	2397.	2430.	944.0	2378.
Stddev	44.	35.	44.	38.	19.2	39.
%RSD	1.863	1.469	1.855	1.571	2.031	1.645

#1	2387.	2400.	2418.	2465.	964.2	2415.
#2	2354.	2448.	2427.	2434.	941.6	2381.
#3	2300.	2379.	2346.	2389.	926.0	2337.

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	960.6	4869.	9591.	9126.
Stddev	15.4	79.	179.	252.
%RSD	1.604	1.618	1.861	2.761

#1	975.4	4906.	9694.	9377.
#2	961.7	4923.	9694.	9130.
#3	944.7	4779.	9385.	8873.

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	2821.9	32936.	5246.0
Stddev	28.4	234.	70.1
%RSD	1.0059	.71170	1.3359

#1	2791.6	33087.	5288.1
#2	2826.2	32666.	5165.1
#3	2847.9	33054.	5284.7

Sample Name: CCB Acquired: 4/5/2016 12:04:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8619	1.404	.1423	.2342	.0543	4.678
Stddev	11.58	1.628	.5983	.1513	.0516	3.012
%RSD	1343.	116.0	420.5	64.60	95.08	64.39
#1	-6.992	1.116	.8330	.1523	.0479	1.359
#2	-4.581	3.156	-.1917	.1416	.0062	7.239
#3	14.16	-.0615	-.2144	.4089	.1088	5.436

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0665	-.0078	.0133	1.500	-3.827	-4.170
Stddev	.0418	.1707	.5564	.666	5.621	12.31
%RSD	62.90	2178.	4179.	44.40	146.9	295.3
#1	-.0950	.0001	-.0786	2.086	2.575	-.6805
#2	-.0185	-.1824	.6100	.7757	-7.950	-17.85
#3	-.0859	.1587	-.4914	1.639	-6.108	6.023

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.888	.0963	24.97	.1075	1.625	.9849
Stddev	5.829	.0025	11.75	.4340	1.437	.2942
%RSD	308.7	2.629	47.08	403.7	88.41	29.88
#1	8.583	.0981	36.22	-.0984	.6602	.6541
#2	-2.063	.0973	25.91	.6061	3.277	1.217
#3	-.8547	.0934	12.77	-.1852	.9388	1.083

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

Sample Name: CCB Acquired: 4/5/2016 12:04:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.146	1.366	-.0626	.2464	-1.725	.9633
Stddev	.896	1.477	.3013	.0495	.400	.2793
%RSD	41.76	108.1	481.4	20.08	23.21	28.99
#1	-2.817	2.299	-.2236	.2108	-1.265	1.200
#2	-1.128	2.136	-.2491	.2255	-1.916	1.035
#3	-2.494	-.3369	.2850	.3029	-1.994	.6552

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6737	-.0164	.3757	6.386
Stddev	.4482	.0666	.1665	9.572
%RSD	66.53	405.2	44.31	149.9
#1	-1.181	.0505	.5665	-3.156
#2	-.3298	-.0827	.2602	15.99
#3	-.5107	-.0172	.3003	6.326

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	3056.5	35516.	5346.7
Stddev	8.4	275.	28.6
%RSD	.27630	.77311	.53497
#1	3056.6	35244.	5364.7
#2	3064.9	35793.	5361.8
#3	3048.0	35511.	5313.8

Sample Name: CCVL Acquired: 4/5/2016 12:08:23 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	213.3	15.17	9.542	204.7	1.973	5016.
Stddev	14.0	1.31	.393	.3	.087	12.
%RSD	6.548	8.650	4.119	.1284	4.392	.2438

#1	199.4	14.40	9.703	205.1	2.003	5003.
#2	227.4	16.69	9.830	204.6	2.040	5028.
#3	213.2	14.43	9.094	204.6	1.875	5018.

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	4.112	52.14	10.09	25.12	159.6	4762.
Stddev	.031	.27	.58	.51	5.1	36.
%RSD	.7476	.5082	5.790	2.042	3.167	.7472

#1	4.137	52.11	9.606	24.53	154.2	4788.
#2	4.123	51.89	10.74	25.46	164.2	4778.
#3	4.078	52.41	9.923	25.36	160.2	4722.

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	4938.	15.88	4885.	42.33	10.72	18.41
Stddev	18.	.07	18.	.42	1.15	1.27
%RSD	.3585	.4331	.3766	.9847	10.73	6.917

#1	4918.	15.82	4887.	42.60	11.99	16.94
#2	4950.	15.86	4903.	41.85	9.737	19.09
#3	4947.	15.95	4866.	42.53	10.45	19.20

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

Sample Name: CCVL Acquired: 4/5/2016 12:08:23 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.89	21.48	49.17	31.45	45.43	19.75
Stddev	3.48	.62	.46	.26	.15	.03
%RSD	21.90	2.900	.9283	.8144	.3213	.1287
#1	12.18	21.37	48.65	31.32	45.48	19.78
#2	19.08	20.91	49.48	31.28	45.55	19.73
#3	16.40	22.15	49.39	31.74	45.27	19.74

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	50.09	20.25	20.59	F 4.252
Stddev	.99	.16	.19	12.29
%RSD	1.986	.7753	.9080	289.0
#1	51.05	20.12	20.55	-3.108
#2	50.17	20.42	20.43	18.44
#3	49.06	20.22	20.80	-2.573

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	3065.9	35458.	5394.2
Stddev	15.0	58.	59.8
%RSD	.49065	.16443	1.1080
#1	3049.1	35499.	5394.5
#2	3070.3	35392.	5334.4
#3	3078.1	35485.	5453.9

Sample Name: MB 460-360453/1-A Acquired: 4/5/2016 12:16:12 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.236	2.950	.1870	-.0500	-.0120	2.308
Stddev	6.771	1.254	.3862	.1329	.1484	4.634
%RSD	159.8	42.52	206.6	265.7	1232.	200.7

#1	6.089	3.856	-.1414	.0963	-.0697	-3.023
#2	-3.268	1.518	.6124	-.0830	.1565	4.581
#3	9.888	3.475	.0898	-.1633	-.1230	5.367

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0106	.0878	-.3742	-.6794	.9718	-35.83
Stddev	.1180	.0950	.1719	.6133	8.365	6.01
%RSD	1108.	108.2	45.95	90.28	860.9	16.77

#1	.1335	-.0218	-.3534	-.4562	10.22	-42.49
#2	.0002	.1460	-.2136	-1.373	-6.056	-34.18
#3	-.1018	.1393	-.5555	-.2088	-1.254	-30.82

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	.1317	.0111	-24.11	.1384	1.012	.4953
Stddev	3.976	.0306	5.50	.1852	1.383	.5528
%RSD	3019.	275.7	22.83	133.8	136.6	111.6

#1	-.2513	.0240	-17.80	.2430	.0041	.8484
#2	4.285	-.0238	-26.58	.2478	.4437	-.1418
#3	-3.639	.0332	-27.95	-.0754	2.588	.7792

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

Sample Name: MB 460-360453/1-A Acquired: 4/5/2016 12:16:12 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.030	1.446	-.1802	.6944	-2.932	.0681
Stddev	1.090	.525	.2912	.1605	.376	.1338
%RSD	35.97	36.31	161.6	23.11	12.81	196.4
#1	-4.038	2.048	-.4744	.8798	-2.518	.2066
#2	-1.874	1.211	-.1741	.6033	-3.029	.0581
#3	-3.178	1.080	.1080	.6002	-3.250	-.0604

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6197	-.0331	.1021	-1.617
Stddev	.2294	.0411	.1060	.815
%RSD	37.01	124.3	103.8	50.43
#1	-.4317	-.0476	.1464	-1.158
#2	-.5521	.0133	-.0188	-1.134
#3	-.8752	-.0649	.1788	-2.558

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	3033.0	35834.	5379.6
Stddev	9.5	333.	30.8
%RSD	.31190	.92997	.57332
#1	3039.5	35781.	5367.7
#2	3037.4	36191.	5414.6
#3	3022.2	35531.	5356.4

Sample Name: LCS 460-360453/2-A@2 Acquired: 4/5/2016 12:20:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2461.	2320.	236.9	5034.	498.4	9904.
Stddev	9.	13.	.2	6.	1.6	26.
%RSD	.3585	.5559	.0813	.1272	.3157	.2637

#1	2451.	2312.	237.2	5032.	496.6	9934.
#2	2468.	2335.	236.8	5041.	498.8	9893.
#3	2462.	2313.	236.8	5029.	499.7	9885.

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	525.1	536.0	2511.	481.6	508.8	9512.
Stddev	1.1	1.0	8.	1.2	12.6	7.
%RSD	.2083	.1777	.3292	.2478	2.474	.0707

#1	524.2	535.2	2520.	480.8	495.6	9509.
#2	526.3	537.1	2506.	481.1	510.1	9508.
#3	524.7	535.9	2506.	483.0	520.6	9520.

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	9733.	528.4	9682.	541.9	2600.	478.7
Stddev	63.	2.5	37.	.3	6.	2.4
%RSD	.6463	.4742	.3820	.0644	.2498	.5066

#1	9804.	531.2	9642.	542.0	2593.	475.9
#2	9709.	527.6	9691.	542.2	2606.	480.3
#3	9686.	526.3	9714.	541.6	2601.	479.8

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-360453/2-A@2 Acquired: 4/5/2016 12:20:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	485.6	547.3	250.5	537.6	492.9	504.9
Stddev	6.1	7.3	1.1	1.4	2.5	2.9
%RSD	1.266	1.336	.4204	.2522	.5112	.5823

#1	479.5	538.9	249.3	536.0	490.0	501.5
#2	491.7	551.3	250.9	538.3	494.3	506.3
#3	485.5	551.8	251.4	538.4	494.3	506.9

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	495.9	498.5	505.9	39.36
Stddev	3.1	1.2	.8	6.90
%RSD	.6288	.2351	.1579	17.53

#1	492.5	497.9	505.2	31.88
#2	496.3	497.7	506.8	40.72
#3	498.7	499.8	505.8	45.48

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	2991.9	35187.	5313.1
Stddev	6.0	36.	38.5
%RSD	.19952	.10371	.72539

#1	2998.7	35158.	5307.4
#2	2988.6	35176.	5354.2
#3	2988.2	35228.	5277.7

Sample Name: 460-110977-A-1-C DU Acquired: 4/5/2016 12:24:11 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	343.8	1.308	-.2726	24.41	-.0066	163700.
Stddev	22.8	.891	.4969	.09	.0402	319.
%RSD	6.635	68.08	182.3	.3543	610.5	.1950

#1	344.5	.5446	-.6906	24.45	.0398	163900.
#2	366.2	1.094	.2767	24.31	-.0306	163300.
#3	320.6	2.287	-.4040	24.46	-.0290	163900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0169	-.0516	.7097	1.124	103.0	2795.
Stddev	.0353	.1758	.8267	.314	4.6	20.
%RSD	209.2	340.7	116.5	27.94	4.426	.7080

#1	.0220	-.2544	1.630	1.420	98.89	2777.
#2	-.0207	.0592	.0290	.7946	107.9	2816.
#3	.0494	.0403	.4705	1.157	102.3	2794.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	461.9	2.326	F 279300.	.5690	-4.784	-.7257
Stddev	5.2	.046	4164.	.3203	.292	.6260
%RSD	1.124	1.968	1.491	56.30	6.110	86.26

#1	456.1	2.361	281000.	.9382	-5.063	-.0478
#2	466.1	2.274	282300.	.3650	-4.807	-1.282
#3	463.5	2.343	274500.	.4037	-4.480	-.8474

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

Sample Name: 460-110977-A-1-C DU Acquired: 4/5/2016 12:24:11 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.306	-.0885	2.077	2.491	17.43	.8291
Stddev	3.039	.7186	.300	.161	.60	.0681
%RSD	70.58	811.5	14.46	6.465	3.421	8.214
#1	-7.814	.3785	2.358	2.411	16.79	.8699
#2	-2.641	.2718	2.113	2.677	17.53	.8668
#3	-2.463	-.9160	1.761	2.386	17.98	.7504

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.295	658.0	5.541	7226.
Stddev	.264	3.7	.983	18.
%RSD	20.36	.5562	17.73	.2473
#1	-.9978	662.2	4.595	7247.
#2	-1.386	656.4	6.556	7217.
#3	-1.501	655.5	5.472	7215.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2822.7	32534.	5260.2
Stddev	9.9	37.	13.8
%RSD	.35093	.11243	.26172
#1	2827.3	32509.	5261.4
#2	2811.3	32576.	5245.8
#3	2829.5	32517.	5273.3

Sample Name: 460-110977-A-1-B Acquired: 4/5/2016 12:28:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	342.6	2.143	-.0506	24.15	.0859	163600.
Stddev	20.1	1.300	.4418	.14	.0813	106.
%RSD	5.858	60.69	872.5	.5826	94.65	.0647

#1	324.9	1.393	-.2558	24.32	.0085	163500.
#2	338.6	1.391	.4565	24.09	.1706	163700.
#3	364.4	3.644	-.3526	24.06	.0785	163700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0200	-.0386	.4250	1.781	105.4	2811.
Stddev	.0457	.0374	.3159	.557	3.9	32.
%RSD	228.1	96.83	74.34	31.25	3.655	1.150

#1	-.0477	-.0100	.7879	1.352	101.5	2847.
#2	-.0450	-.0810	.2118	1.581	105.7	2803.
#3	.0327	-.0250	.2752	2.410	109.2	2784.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	463.5	2.373	F 281700.	.6949	-3.990	-1.184
Stddev	6.7	.033	3693.	.1703	1.357	.710
%RSD	1.453	1.409	1.311	24.50	34.01	59.93

#1	462.7	2.343	281600.	.5305	-3.371	-.7861
#2	457.1	2.409	278000.	.6838	-3.053	-2.004
#3	470.5	2.367	285400.	.8705	-5.546	-.7632

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

Sample Name: 460-110977-A-1-B Acquired: 4/5/2016 12:28:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.122	-.1382	2.081	2.488	16.35	.7514
Stddev	1.444	1.385	.263	.198	.48	.1138
%RSD	46.27	1003.	12.62	7.964	2.942	15.14
#1	-4.001	-1.130	2.360	2.597	16.84	.7150
#2	-1.455	1.445	2.043	2.259	16.34	.6602
#3	-3.909	-.7293	1.839	2.608	15.87	.8789

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0343	657.6	5.692	7164.
Stddev	1.739	2.5	.283	99.
%RSD	5071.	.3793	4.979	1.383
#1	-1.784	659.2	5.982	7177.
#2	-.0120	658.8	5.416	7256.
#3	1.693	654.7	5.678	7060.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2837.3	32502.	5250.9
Stddev	8.9	225.	72.5
%RSD	.31490	.69092	1.3810
#1	2847.4	32706.	5269.6
#2	2833.9	32540.	5312.2
#3	2830.5	32261.	5170.9

Sample Name: sd 460-110977-A-1-B Acquired: 4/5/2016 12:32:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81.48	1.977	-.0292	4.604	.0017	30950.
Stddev	3.40	.781	.4965	.067	.1295	80.
%RSD	4.167	39.52	1699.	1.444	7401.	.2588
#1	78.44	2.724	-.4296	4.588	-.0016	30960.
#2	80.85	1.165	-.1845	4.677	-.1260	31030.
#3	85.14	2.044	.5263	4.547	.1329	30870.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0228	-.1115	-.1532	1.592	17.70	507.9
Stddev	.1201	.1533	.3471	.189	4.26	12.1
%RSD	527.0	137.5	226.6	11.90	24.08	2.378
#1	-.1522	-.2316	-.5456	1.730	22.52	495.3
#2	.0850	-.1641	.1136	1.376	16.16	509.0
#3	-.0012	.0611	-.0275	1.671	14.42	519.4

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	92.76	.4279	53860.	-.0176	-.1008	.5322
Stddev	3.77	.0494	67.	.8770	1.282	1.258
%RSD	4.064	11.54	.1240	4971.	1272.	236.5
#1	88.42	.4072	53840.	.1991	.8599	-.3360
#2	94.71	.4843	53810.	.7307	.3938	-.0427
#3	95.16	.3923	53940.	-.9827	-1.556	1.975

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

Sample Name: sd 460-110977-A-1-B Acquired: 4/5/2016 12:32:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.585	.9978	.0558	1.195	.2369	.2855
Stddev	1.932	1.605	.1487	.161	.4156	.2284
%RSD	74.74	160.8	266.5	13.48	175.4	79.99
#1	-4.348	-.7920	.1688	1.376	.7078	.4273
#2	-2.888	2.308	-.1127	1.143	.0816	.0221
#3	-.5194	1.478	.1113	1.067	-.0787	.4072

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5324	128.6	1.993	1307.
Stddev	.6569	.5	.031	12.
%RSD	123.4	.4085	1.546	.9479
#1	-.5793	128.2	1.967	1315.
#2	.1467	128.3	1.985	1293.
#3	-1.164	129.2	2.027	1313.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2981.9	34282.	5291.6
Stddev	23.6	294.	45.5
%RSD	.79132	.85740	.85989
#1	2963.6	34035.	5268.8
#2	2973.6	34205.	5261.9
#3	3008.5	34607.	5343.9

Sample Name: 460-110977-A-1-D MS Acquired: 4/5/2016 12:36:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1343.	986.3	98.70	1985.	198.3	165800.
Stddev	11.	4.6	.47	3.	.8	563.
%RSD	.8363	.4658	.4755	.1372	.3994	.3397
#1	1330.	991.4	98.31	1983.	199.0	165200.
#2	1350.	982.6	98.56	1984.	198.6	166100.
#3	1348.	984.8	99.22	1988.	197.5	166200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	206.9	208.2	988.0	200.4	297.3	6732.
Stddev	.2	.7	1.2	.6	7.3	21.
%RSD	.0965	.3152	.1215	.3112	2.443	.3186
#1	206.7	207.8	986.7	201.1	297.2	6756.
#2	206.9	207.8	988.1	200.4	290.1	6726.
#3	207.1	208.9	989.1	199.8	304.6	6714.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4281.	214.5	F 284200.	207.8	999.4	197.3
Stddev	11.	1.3	1218.	.1	2.7	.6
%RSD	.2464	.5952	.4286	.0604	.2703	.3261
#1	4269.	213.2	285400.	208.0	996.8	197.4
#2	4283.	214.5	284100.	207.8	999.3	196.6
#3	4290.	215.7	283000.	207.8	1002.	197.8

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

Sample Name: 460-110977-A-1-D MS Acquired: 4/5/2016 12:36:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	204.2	200.2	102.6	213.5	214.9	200.6
Stddev	3.6	.9	.6	.2	.3	.5
%RSD	1.764	.4545	.6178	.0945	.1596	.2461
#1	205.3	199.2	102.2	213.2	214.6	200.3
#2	207.1	201.0	102.3	213.6	215.3	200.3
#3	200.2	200.3	103.3	213.6	215.0	201.2

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	191.3	866.6	208.4	7184.
Stddev	.8	2.8	.3	36.
%RSD	.4153	.3278	.1598	.5025
#1	192.2	864.3	208.4	7152.
#2	191.0	865.6	208.0	7223.
#3	190.7	869.8	208.7	7176.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2888.4	33184.	5486.1
Stddev	6.1	123.	47.6
%RSD	.20969	.37103	.86817
#1	2892.3	33245.	5431.5
#2	2891.4	33265.	5519.3
#3	2881.4	33043.	5507.6

Sample Name: 460-110977-A-2-B@5 Acquired: 4/5/2016 12:44:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	267.6	.9454	.0730	23.38	-.0309	160800.
Stddev	8.3	.7173	.2179	.04	.1088	420.
%RSD	3.098	75.88	298.3	.1812	352.4	.2613

#1	261.8	.2874	.3216	23.37	.0416	161200.
#2	263.9	1.710	-.0849	23.42	-.1560	160300.
#3	277.1	.8386	-.0176	23.34	.0217	160800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0282	.0669	.0013	2.343	-2.813	3311.
Stddev	.0528	.0625	.5043	.399	6.566	31.
%RSD	187.0	93.46	38180.	17.01	233.4	.9471

#1	.0293	.0977	-.0818	2.774	4.139	3277.
#2	-.0743	-.0051	.5420	1.988	-3.671	3316.
#3	-.0397	.1081	-.4562	2.267	-8.908	3339.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3044.	2.533	F 280800.	1.561	-2.077	-.4032
Stddev	11.	.072	2846.	.355	1.624	.3629
%RSD	.3553	2.858	1.014	22.74	78.22	90.01

#1	3050.	2.471	280500.	1.238	-.2364	-.8115
#2	3031.	2.517	283800.	1.942	-2.683	-.2806
#3	3050.	2.612	278100.	1.505	-3.311	-.1174

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

Sample Name: 460-110977-A-2-B@5 Acquired: 4/5/2016 12:44:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.130	-.0773	.8040	1.034	31.19	.9840
Stddev	2.137	.3057	.2116	.189	.36	.1503
%RSD	41.66	395.2	26.32	18.26	1.170	15.27
#1	-2.834	.2312	.5715	1.250	31.48	.8128
#2	-7.061	-.3801	.8552	.9005	31.32	1.094
#3	-5.494	-.0832	.9853	.9520	30.78	1.045

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3191	824.3	1.785	4510.
Stddev	1.154	3.0	.158	14.
%RSD	361.7	.3700	8.829	.3150
#1	-1.642	820.8	1.960	4526.
#2	.1997	826.0	1.740	4499.
#3	.4848	826.2	1.655	4505.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2870.7	32780.	5394.0
Stddev	6.4	107.	55.3
%RSD	.22227	.32534	1.0260
#1	2872.7	32658.	5454.6
#2	2863.6	32852.	5346.1
#3	2875.8	32831.	5381.3

Sample Name: 460-110977-A-3-B@5 Acquired: 4/5/2016 12:48:43 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	285.8	1.841	-.2306	24.17	-.0333	171700.
Stddev	10.2	.883	.4996	.17	.0866	892.
%RSD	3.578	48.00	216.7	.7182	260.1	.5195

#1	278.5	.8378	.2443	24.09	-.0864	171300.
#2	281.3	2.181	-.7517	24.06	.0667	172700.
#3	297.5	2.504	-.1843	24.37	-.0802	171000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0644	-.1281	-.8960	4.080	12.31	4268.
Stddev	.0454	.2448	.4118	.444	19.29	39.
%RSD	70.41	191.1	45.96	10.87	156.7	.9096

#1	.0369	.0113	-1.108	4.341	29.81	4243.
#2	.1168	-.4107	-1.159	4.330	-8.383	4248.
#3	.0397	.0152	-.4214	3.567	15.50	4313.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3277.	13.20	F 287400.	3.167	-5.145	-1.011
Stddev	16.	.16	532.	.058	.348	1.308
%RSD	.4938	1.195	.1850	1.839	6.766	129.4

#1	3278.	13.11	287000.	3.105	-5.246	.2854
#2	3292.	13.38	287100.	3.175	-5.431	-2.330
#3	3260.	13.11	288000.	3.221	-4.757	-.9871

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

Sample Name: 460-110977-A-3-B@5 Acquired: 4/5/2016 12:48:43 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.699	.7842	1.031	1.622	42.49	.7393
Stddev	2.400	.9751	.386	.050	.37	.0697
%RSD	42.11	124.3	37.43	3.067	.8801	9.427
#1	-3.318	1.136	1.341	1.583	42.47	.7992
#2	-5.662	-.3181	1.152	1.604	42.13	.7558
#3	-8.117	1.534	.5987	1.678	42.87	.6628

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4572	713.3	1.652	7950.
Stddev	1.025	1.6	.154	38.
%RSD	224.1	.2262	9.350	.4738
#1	.6371	712.0	1.479	7978.
#2	-1.394	712.8	1.778	7907.
#3	-.6145	715.1	1.698	7964.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2880.9	32807.	5403.6
Stddev	18.2	95.	30.9
%RSD	.63233	.29092	.57197
#1	2897.8	32881.	5439.0
#2	2883.2	32699.	5389.4
#3	2861.6	32841.	5382.3

Sample Name: CCB Acquired: 4/5/2016 12:56:46 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.36	2.073	.1955	.2302	.0617	18.53
Stddev	16.49	2.650	.1702	.2447	.1986	5.72
%RSD	80.98	127.8	87.08	106.3	321.6	30.89
#1	21.65	3.569	.2430	.4938	.0030	15.16
#2	3.267	3.638	.3369	.1866	-.1008	25.14
#3	36.17	-.9865	.0065	.0103	.2831	15.29

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0345	.2319	-.2142	.0717	-3.848	18.09
Stddev	.0725	.1027	.0790	.5099	4.283	6.38
%RSD	210.3	44.29	36.89	711.4	111.3	35.25
#1	.0060	.2409	-.1505	-.4139	.7439	25.34
#2	-.0195	.3298	-.1896	.0261	-4.556	15.52
#3	.1169	.1250	-.3027	.6028	-7.734	13.39

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	1.827	.1230	29.04	.2231	.6040	-.4413
Stddev	1.071	.1397	12.97	.1190	.7289	.8558
%RSD	58.59	113.6	44.66	53.34	120.7	193.9
#1	2.124	.1566	31.08	.1406	1.322	-.5632
#2	2.718	.2429	15.17	.1691	.6259	-1.230
#3	.6396	-.0304	40.88	.3595	-.1357	.4690

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

Sample Name: CCB Acquired: 4/5/2016 12:56:46 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.054	.4353	.3857	.3584	-2.164	.7019
Stddev	1.310	.9522	.4296	.0257	.479	.4384
%RSD	42.91	218.7	111.4	7.180	22.14	62.45
#1	-4.407	1.526	.8361	.3845	-1.798	1.172
#2	-2.964	-.2313	.3407	.3578	-1.987	.6293
#3	-1.791	.0114	-.0196	.3330	-2.706	.3044

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3338	.3955	.4654	-2.169
Stddev	.5264	.6559	.1361	1.833
%RSD	157.7	165.8	29.24	84.48
#1	-.9246	.0682	.5559	-1.787
#2	-.1625	-.0323	.5315	-.5579
#3	.0856	1.151	.3089	-4.163

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	3010.5	35733.	5225.5
Stddev	13.5	214.	36.8
%RSD	.44891	.59750	.70504
#1	2998.7	35974.	5221.9
#2	3007.7	35657.	5190.6
#3	3025.2	35568.	5264.0

Sample Name: CCVL Acquired: 4/5/2016 13:00:53 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	225.0	15.81	9.881	206.6	2.147	4853.
Stddev	12.2	1.59	.094	.5	.097	48.
%RSD	5.408	10.04	.9496	.2301	4.524	.9944

#1	211.7	16.94	9.793	206.1	2.127	4905.
#2	227.8	16.49	9.870	206.8	2.253	4845.
#3	235.5	13.99	9.980	207.0	2.062	4810.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.053	52.98	9.844	23.59	161.7	4858.
Stddev	.024	.24	.260	.62	4.4	38.
%RSD	.5862	.4437	2.637	2.616	2.702	.7824

#1	4.063	53.09	10.09	24.13	157.1	4899.
#2	4.071	52.70	9.871	23.73	162.1	4851.
#3	4.026	53.13	9.573	22.92	165.8	4824.

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.	15.53	5047.	42.92	12.32	19.00
Stddev	14.	.20	19.	.64	.88	.89
%RSD	.2981	1.271	.3717	1.498	7.179	4.674

#1	4812.	15.71	5067.	43.25	13.34	19.41
#2	4791.	15.56	5043.	42.18	11.84	19.62
#3	4784.	15.32	5030.	43.34	11.78	17.99

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

Sample Name: CCVL Acquired: 4/5/2016 13:00:53 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.22	21.59	50.57	31.27	46.14	20.05
Stddev	.59	1.29	.06	.13	.65	.17
%RSD	3.220	5.967	.1128	.4098	1.404	.8640
#1	18.83	20.26	50.63	31.32	45.89	19.88
#2	17.65	21.69	50.58	31.12	45.66	20.23
#3	18.19	22.83	50.52	31.36	46.88	20.06

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	49.87	20.34	20.93	F 9.654
Stddev	.06	.13	.12	25.78
%RSD	.1155	.6239	.5697	267.0
#1	49.90	20.42	21.07	-19.25
#2	49.80	20.19	20.86	17.95
#3	49.89	20.39	20.86	30.26

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	3010.6	35928.	5351.1
Stddev	20.1	548.	119.7
%RSD	.66738	1.5259	2.2374
#1	2987.5	35416.	5285.7
#2	3020.9	35862.	5278.2
#3	3023.5	36507.	5489.3

Sample Name: 460-110977-A-4-B@5 Acquired: 4/5/2016 13:04:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	296.2	1.104	-.0522	25.40	.0350	165300.
Stddev	5.3	.463	.0480	.17	.0372	460.
%RSD	1.791	41.93	91.81	.6741	106.4	.2783
#1	290.1	.9286	-.0952	25.29	.0030	165800.
#2	299.4	1.629	-.0610	25.32	.0262	164900.
#3	299.2	.7544	-.0005	25.60	.0759	165200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0217	-.1131	.3293	.1163	7.117	3691.
Stddev	.0305	.3027	.1767	.2192	12.21	8.
%RSD	140.6	267.7	53.65	188.5	171.5	.2114
#1	.0253	-.0349	.5245	.1594	13.26	3682.
#2	-.0105	.1429	.1802	-.1213	15.03	3697.
#3	.0502	-.4471	.2833	.3108	-6.939	3694.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3487.	12.22	F 294200.	3.245	-4.111	-.3665
Stddev	7.	.08	958.	.050	.807	.5990
%RSD	.2066	.6777	.3257	1.538	19.63	163.5
#1	3491.	12.32	295300.	3.221	-4.717	.1705
#2	3479.	12.18	293900.	3.212	-3.195	-1.013
#3	3492.	12.17	293400.	3.302	-4.422	-.2572

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

Sample Name: 460-110977-A-4-B@5 Acquired: 4/5/2016 13:04:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.481	-1.1052	1.118	1.371	39.65	1.203
Stddev	.950	2.242	.310	.118	.17	.172
%RSD	17.33	2132.	27.72	8.592	.4180	14.28
#1	-4.415	-1.305	1.443	1.456	39.64	1.305
#2	-5.789	-1.492	.8264	1.421	39.49	1.005
#3	-6.238	2.481	1.083	1.237	39.82	1.300

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2529	694.3	1.449	8125.
Stddev	.6116	.9	.095	41.
%RSD	241.8	.1322	6.558	.5045
#1	-.9337	693.9	1.409	8137.
#2	-.0752	695.4	1.381	8080.
#3	.2502	693.7	1.558	8159.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2798.0	33099.	5244.2
Stddev	14.4	164.	8.9
%RSD	.51640	.49518	.17013
#1	2803.0	33012.	5237.0
#2	2809.3	33288.	5254.1
#3	2781.7	32996.	5241.3

Sample Name: 460-111445-A-3-B@5 Acquired: 4/5/2016 13:17:36 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	433.2	2.711	.0411	22.65	-.0085	150700.
Stddev	13.9	1.008	.1927	.31	.0423	844.
%RSD	3.205	37.18	469.3	1.351	497.1	.5599
#1	448.1	1.551	.2392	22.30	-.0529	150200.
#2	431.0	3.378	-.1457	22.89	.0315	150300.
#3	420.6	3.204	.0296	22.74	-.0041	151700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1202	-.1438	-.4285	-1.250	2.631	1018.
Stddev	.0254	.0895	.2355	.172	6.870	14.
%RSD	21.17	62.21	54.95	13.77	261.1	1.360
#1	-.1261	-.0564	-.5839	-1.390	-1.335	1005.
#2	-.0923	-.1399	-.1576	-1.303	-1.336	1033.
#3	-.1422	-.2352	-.5440	-1.058	10.56	1017.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.05	.2734	F 265900.	.3526	-.9823	-.7241
Stddev	3.03	.0597	2279.	.5025	1.012	1.235
%RSD	7.767	21.84	.8572	142.5	103.0	170.6
#1	41.21	.3394	266700.	.2084	-1.889	.3024
#2	35.58	.2578	267700.	.9114	.1096	-2.095
#3	40.35	.2231	263400.	-.0621	-1.168	-.3800

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

Sample Name: 460-111445-A-3-B@5 Acquired: 4/5/2016 13:17:36 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.655	.2621	.7999	3.731	12.73	-.0708
Stddev	1.671	1.219	.5901	.221	.75	.2615
%RSD	35.89	465.1	73.77	5.926	5.915	369.3
#1	-6.038	-1.034	.1989	3.636	11.93	-.0673
#2	-2.799	.4348	.8225	3.983	12.85	.1889
#3	-5.129	1.385	1.378	3.573	13.42	-.3340

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5582	914.6	2.095	2292.
Stddev	.9060	4.0	.116	20.
%RSD	162.3	.4360	5.544	.8939
#1	.0840	919.2	2.146	2274.
#2	-1.595	912.4	2.176	2287.
#3	-.1641	912.2	1.962	2314.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2806.0	33252.	5333.0
Stddev	14.8	75.	21.4
%RSD	.52703	.22640	.40036
#1	2816.8	33235.	5308.7
#2	2812.1	33335.	5341.3
#3	2789.1	33188.	5348.9

Sample Name: 460-111445-A-4-B@5 Acquired: 4/5/2016 13:21:50 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	357.6	3.563	-3221	49.44	.0022	157800.
Stddev	8.4	.556	.3090	.13	.0509	1085.
%RSD	2.356	15.62	95.94	.2694	2342.	.6877
#1	348.3	3.575	-.3092	49.28	-.0549	156600.
#2	360.0	3.001	-.0197	49.50	.0185	158100.
#3	364.6	4.113	-.6373	49.52	.0429	158700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1104	.0705	6.075	.2939	2.301	1505.
Stddev	.0177	.0873	.286	1.409	14.07	27.
%RSD	16.03	123.8	4.709	479.3	611.6	1.775
#1	-.1309	-.0165	6.327	-1.282	7.255	1487.
#2	-.1007	.1582	5.764	.7313	13.23	1536.
#3	-.0997	.0699	6.134	1.432	-13.58	1492.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.040	.1021	F 267500.	.0739	.3313	-.8221
Stddev	1.503	.0808	2693.	.3646	.4631	1.599
%RSD	37.20	79.12	1.007	493.5	139.8	194.5
#1	4.997	.0821	267400.	.4948	.8605	-.1838
#2	2.308	.1911	264800.	-.1254	.0002	-2.642
#3	4.816	.0332	270200.	-.1477	.1331	.3592

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

Sample Name: 460-111445-A-4-B@5 Acquired: 4/5/2016 13:21:50 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.372	.5834	.1323	1.005	-.3002	.2743
Stddev	1.211	.9626	.2369	.256	.5782	.0875
%RSD	19.00	165.0	179.0	25.47	192.6	31.92
#1	-6.496	.1351	.1849	1.299	-.8549	.2613
#2	-5.104	1.688	-.1264	.8860	-.3447	.1940
#3	-7.516	-.0733	.3385	.8300	.2989	.3676

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.125	1042.	1.394	905.7
Stddev	.416	9.	.172	6.9
%RSD	36.97	.8661	12.31	.7595
#1	-1.593	1032.	1.436	905.0
#2	-.9807	1043.	1.541	912.9
#3	-.8000	1050.	1.206	899.2

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	2800.2	32661.	5259.0
Stddev	4.0	268.	15.7
%RSD	.14125	.81919	.29901
#1	2796.0	32958.	5248.4
#2	2803.9	32586.	5277.1
#3	2800.7	32439.	5251.6

Sample Name: 460-111417-A-1-C@5 Acquired: 4/5/2016 13:30:16 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82.77	-1.015	.0970	76.70	.1711	3335.
Stddev	4.65	3.432	.4524	.35	.0466	7.
%RSD	5.618	338.2	466.3	.4568	27.25	.2205

#1	84.40	-4.876	.0012	76.34	.1180	3334.
#2	86.38	.1434	-.2998	76.72	.1897	3329.
#3	77.52	1.688	.5897	77.04	.2055	3343.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3078	-.1000	-.2050	8.611	2.262	614.0
Stddev	.0518	.1781	.5076	.544	4.907	27.3
%RSD	16.82	178.0	247.6	6.313	216.9	4.452

#1	.2480	.0810	.1636	9.226	4.421	645.1
#2	.3367	-.2750	-.7840	8.413	5.718	593.6
#3	.3386	-.1061	.0053	8.194	-3.354	603.4

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	508.6	24.31	F 256300.	.9752	14.74	1.287
Stddev	7.5	.09	2852.	.3868	.76	.987
%RSD	1.473	.3653	1.113	39.66	5.165	76.67

#1	500.0	24.41	258300.	.9981	15.45	.9361
#2	513.5	24.24	253100.	.5774	14.83	.5236
#3	512.3	24.28	257600.	1.350	13.93	2.401

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

Sample Name: 460-111417-A-1-C@5 Acquired: 4/5/2016 13:30:16 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.440	-1.698	.1767	67.93	10.88	-.0440
Stddev	2.488	1.758	.4826	.19	.93	.1468
%RSD	102.0	103.6	273.1	.2786	8.546	333.3
#1	-5.047	-3.628	.0474	67.95	9.873	-.0543
#2	-.0920	-1.278	-.2281	68.12	11.71	-.1854
#3	-2.181	-.1875	.7109	67.74	11.04	.1076

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0412	46.79	.3966	245.1
Stddev	.2576	.15	.1016	7.3
%RSD	625.9	.3124	25.63	2.990
#1	.2486	46.92	.3717	238.7
#2	-.2444	46.63	.3097	243.5
#3	-.1277	46.81	.5083	253.1

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	2870.8	33530.	5270.9
Stddev	4.4	60.	33.4
%RSD	.15175	.17976	.63304
#1	2868.1	33475.	5238.3
#2	2875.8	33594.	5305.0
#3	2868.5	33521.	5269.5

Sample Name: 460-111417-A-9-C@5 Acquired: 4/5/2016 13:38:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.56	10.44	-.0578	130.7	.3543	3112.
Stddev	10.14	.69	.4624	.5	.0497	17.
%RSD	23.82	6.655	799.5	.3495	14.02	.5579

#1	31.83	11.15	-.0387	131.1	.3834	3119.
#2	43.87	9.761	-.5295	130.9	.2970	3093.
#3	51.97	10.40	.3947	130.2	.3826	3125.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0480	1.197	.0999	15.12	37.63	363.2
Stddev	.0399	.170	.3492	.48	5.52	20.6
%RSD	83.20	14.17	349.5	3.166	14.67	5.661

#1	.0242	1.007	.1437	15.44	38.42	382.8
#2	.0941	1.252	.4251	14.57	42.71	364.9
#3	.0257	1.332	-.2691	15.35	31.76	341.8

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	897.2	1358.	F 255500.	1.835	40.48	.6480
Stddev	3.9	6.	1081.	.109	.44	1.378
%RSD	.4357	.4562	.4231	5.921	1.081	212.6

#1	898.9	1363.	254500.	1.959	40.07	1.448
#2	892.7	1351.	256600.	1.758	40.43	1.439
#3	899.9	1360.	255300.	1.788	40.94	-.9429

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

Sample Name: 460-111417-A-9-C@5 Acquired: 4/5/2016 13:38:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.044	.2836	.4663	25.30	18.11	-.0873
Stddev	1.705	.5342	.1465	.27	.22	.1226
%RSD	33.81	188.4	31.42	1.051	1.212	140.4
#1	-6.651	.3792	.4027	25.13	18.04	-.1239
#2	-3.255	-.2920	.3624	25.16	17.93	.0494
#3	-5.225	.7635	.6339	25.60	18.35	-.1874

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2587	18.79	.4071	231.3
Stddev	1.044	.07	.1481	4.4
%RSD	403.6	.3960	36.37	1.882
#1	-.0048	18.85	.2908	229.7
#2	.6350	18.82	.5737	228.0
#3	-1.406	18.71	.3567	236.2

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	2872.5	33419.	5343.8
Stddev	15.3	322.	106.1
%RSD	.53427	.96322	1.9846
#1	2878.0	33386.	5426.2
#2	2884.4	33756.	5381.2
#3	2855.2	33115.	5224.1

Sample Name: 460-111307-B-2-B@5 Acquired: 4/5/2016 13:42:56 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {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	1.792	.0368	50.82	.0910	24760.
Stddev	6.6	1.403	.2413	.11	.0366	75.
%RSD	2.938	78.27	656.5	.2140	40.17	.3012
#1	221.4	.5928	-.1501	50.77	.1304	24830.
#2	219.8	1.449	.3093	50.94	.0583	24750.
#3	232.0	3.334	-.0489	50.74	.0842	24680.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2981	1.524	1.487	23.34	45.89	455.8
Stddev	.1239	.320	.256	.35	1.87	15.5
%RSD	41.56	21.02	17.22	1.505	4.064	3.396
#1	.4234	1.161	1.722	23.74	44.96	471.1
#2	.2951	1.768	1.524	23.15	44.67	440.1
#3	.1757	1.644	1.214	23.12	48.03	456.0

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	946.9	38.07	F 276600.	4.729	33.62	1.163
Stddev	2.7	.11	3493.	.765	1.11	.431
%RSD	.2834	.2941	1.263	16.17	3.309	37.11
#1	948.9	38.16	280200.	4.207	32.98	1.661
#2	948.1	38.11	273300.	5.606	34.90	.9071
#3	943.9	37.95	276200.	4.372	32.97	.9200

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

Sample Name: 460-111307-B-2-B@5 Acquired: 4/5/2016 13:42:56 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.746	1.086	.3732	130.3	34.57	-.0137
Stddev	2.776	1.298	.2608	.5	.58	.1643
%RSD	159.0	119.6	69.87	.3745	1.676	1201.
#1	.4238	-.3186	.5954	130.4	34.36	-.0004
#2	-.7871	1.334	.4383	130.7	35.22	.1436
#3	-4.875	2.242	.0861	129.8	34.12	-.1842

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2626	115.7	2.589	2031.
Stddev	.5385	.7	.206	13.
%RSD	205.1	.5639	7.966	.6571
#1	-.7090	116.4	2.428	2044.
#2	-.4143	115.6	2.517	2031.
#3	.3355	115.1	2.821	2018.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2859.9	33440.	5305.7
Stddev	6.8	206.	79.0
%RSD	.23889	.61600	1.4881
#1	2852.5	33202.	5214.5
#2	2861.3	33564.	5353.1
#3	2865.9	33553.	5349.4

Sample Name: CCV Acquired: 4/5/2016 13:47:06 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117400.	2424.	1164.	9856.	965.0	120700.
Stddev	679.	4.	5.	25.	2.6	644.
%RSD	.5782	.1685	.3918	.2568	.2736	.5337

#1	117800.	2428.	1162.	9870.	963.5	120300.
#2	116600.	2421.	1161.	9871.	963.5	120400.
#3	117800.	2422.	1169.	9826.	968.1	121400.

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	1225.	2428.	4946.	12040.	95830.	47400.
Stddev	1.	4.	21.	30.	588.	115.
%RSD	.1077	.1510	.4229	.2527	.6136	.2415

#1	1226.	2430.	4926.	12060.	95280.	47510.
#2	1225.	2430.	4943.	12000.	95780.	47280.
#3	1224.	2424.	4968.	12050.	96450.	47410.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121200.	4843.	116300.	2477.	7203.	953.3
Stddev	539.	21.	608.	8.	5.	1.3
%RSD	.4442	.4372	.5224	.3197	.0740	.1375

#1	121000.	4837.	116400.	2484.	7204.	952.9
#2	120900.	4826.	115700.	2478.	7197.	954.7
#3	121800.	4867.	116900.	2469.	7207.	952.2

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

Sample Name: CCV Acquired: 4/5/2016 13:47:06 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2438.	2450.	2421.	2428.	979.6	2450.
Stddev	4.	24.	9.	2.	2.8	3.
%RSD	.1705	.9631	.3538	.0777	.2908	.1231
#1	2439.	2446.	2413.	2427.	979.9	2452.
#2	2433.	2429.	2420.	2426.	982.2	2452.
#3	2442.	2476.	2430.	2430.	976.6	2446.

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	987.0	4825.	9663.	9406.
Stddev	2.1	11.	119.	3.
%RSD	.2144	.2179	1.234	.0271
#1	989.5	4837.	9536.	9403.
#2	986.2	4817.	9680.	9409.
#3	985.5	4820.	9772.	9406.

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	2827.8	33561.	5420.6
Stddev	11.5	107.	35.5
%RSD	.40834	.31896	.65567
#1	2817.5	33681.	5406.0
#2	2825.6	33527.	5461.1
#3	2840.3	33476.	5394.7

Sample Name: CCB Acquired: 4/5/2016 13:50:55 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.300	1.740	-.0870	.1575	.0129	-6.154
Stddev	3.187	1.160	.2053	.1972	.1094	5.215
%RSD	96.58	66.65	236.1	125.2	847.8	84.73
#1	-5.553	2.659	.0760	.3823	.1389	-10.13
#2	-4.694	2.123	-.3176	.0134	-.0572	-.2494
#3	.3465	.4370	-.0193	.0769	-.0430	-8.085

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0166	.2889	.2537	-.4493	2.938	28.75
Stddev	.0406	.0058	.1900	.2558	5.767	10.07
%RSD	245.2	2.012	74.91	56.93	196.3	35.01
#1	-.0547	.2956	.3809	-.6996	-3.132	18.07
#2	.0262	.2860	.3449	-.4601	3.601	30.11
#3	-.0213	.2851	.0352	-.1883	8.345	38.07

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	4.143	.1757	23.59	.0202	-.6314	.0114
Stddev	8.098	.1897	17.49	.4194	.6608	1.011
%RSD	195.5	108.0	74.13	2077.	104.7	8886.
#1	12.97	.2666	41.68	.5038	-.3613	-.1659
#2	2.415	.3029	22.33	-.2444	-.1484	-.8993
#3	-2.951	-.0423	6.766	-.1988	-1.384	1.099

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

Sample Name: CCB Acquired: 4/5/2016 13:50:55 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	.0628	.1342	.1769	-2.609	.8388
Stddev	1.414	.4813	.1214	.1180	.270	.4340
%RSD	69.44	766.8	90.48	66.68	10.35	51.74
#1	-.6190	.5553	.0775	.3130	-2.297	1.313
#2	-2.043	-.4066	.2736	.1041	-2.764	.7429
#3	-3.447	.0396	.0515	.1136	-2.765	.4608

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8976	.1825	.5355	1.877
Stddev	1.600	.1152	.3043	1.850
%RSD	178.2	63.11	56.82	98.58
#1	.2446	.2689	.5325	.0110
#2	-.2117	.2270	.8413	3.711
#3	-2.726	.0517	.2327	1.908

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	3117.9	37153.	5652.5
Stddev	18.6	68.	61.5
%RSD	.59790	.18177	1.0878
#1	3101.5	37076.	5624.2
#2	3114.1	37181.	5610.3
#3	3138.2	37203.	5723.0

Sample Name: CCVL Acquired: 4/5/2016 13:55:02 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	215.5	15.46	8.972	212.1	1.946	4953.
Stddev	11.4	.51	.376	.9	.084	18.
%RSD	5.291	3.319	4.191	.4268	4.322	.3706

#1	206.6	14.89	9.394	211.1	2.040	4935.
#2	228.4	15.89	8.849	212.4	1.877	4972.
#3	211.5	15.61	8.673	212.9	1.922	4952.

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	4.099	52.99	10.64	23.13	160.1	4759.
Stddev	.053	.24	.57	.64	6.9	16.
%RSD	1.304	.4453	5.371	2.770	4.315	.3418

#1	4.130	53.24	10.02	23.82	167.1	4744.
#2	4.037	52.97	11.15	23.04	160.0	4776.
#3	4.129	52.77	10.75	22.55	153.2	4757.

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	4987.	15.64	4746.	43.50	11.48	19.95
Stddev	27.	.08	21.	.44	.28	1.44
%RSD	.5452	.5419	.4398	1.021	2.419	7.200

#1	4956.	15.63	4770.	43.07	11.30	21.59
#2	5006.	15.73	4734.	43.95	11.80	18.92
#3	4998.	15.56	4734.	43.48	11.34	19.35

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

Sample Name: CCVL Acquired: 4/5/2016 13:55:02 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.87	21.88	50.50	31.45	47.71	20.62
Stddev	2.04	1.44	.39	.20	.32	.19
%RSD	11.43	6.572	.7654	.6220	.6757	.9258
#1	16.40	23.09	50.28	31.32	48.02	20.54
#2	17.01	22.26	50.94	31.37	47.38	20.49
#3	20.21	20.29	50.27	31.68	47.73	20.84

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	51.42	20.18	20.53	F 1.361
Stddev	.32	.14	.17	8.655
%RSD	.6286	.6841	.8423	635.7
#1	51.51	20.28	20.48	-2.652
#2	51.06	20.25	20.72	11.29
#3	51.68	20.02	20.38	-4.559

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	3039.5	36230.	5525.5
Stddev	22.7	86.	71.8
%RSD	.74837	.23868	1.3000
#1	3056.0	36295.	5554.6
#2	3049.0	36132.	5578.2
#3	3013.6	36264.	5443.7

Sample Name: 460-111316-A-1-E@5 Acquired: 4/5/2016 14:05:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	260.8	1.983	.0950	40.77	.0395	2733.
Stddev	8.1	1.168	.0894	.20	.0627	14.
%RSD	3.115	58.89	94.13	.4990	158.6	.5093
#1	261.9	2.640	.1679	40.56	.1102	2749.
#2	268.3	.6347	-.0048	40.96	.0179	2727.
#3	252.1	2.674	.1218	40.79	-.0095	2724.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0050	5.189	-.1117	1.333	10.32	544.0
Stddev	.0404	.132	.5866	.688	3.29	6.8
%RSD	804.7	2.538	525.3	51.60	31.84	1.248
#1	-.0166	5.042	.5457	2.091	13.86	542.3
#2	.0399	5.296	-.2990	1.157	7.365	551.4
#3	-.0384	5.230	-.5817	.7501	9.732	538.2

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	2246.	90.11	F 253500.	2.529	8.643	.1944
Stddev	22.	.61	2479.	.217	.925	1.516
%RSD	.9940	.6804	.9779	8.588	10.71	779.7
#1	2264.	90.76	252900.	2.340	9.448	-.3667
#2	2252.	90.04	251400.	2.481	7.632	-.9610
#3	2221.	89.54	256300.	2.766	8.850	1.911

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

Sample Name: 460-111316-A-1-E@5 Acquired: 4/5/2016 14:05:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.235	-.1405	.2503	13.49	46.74	.0881
Stddev	1.695	1.517	.3453	.09	.27	.1915
%RSD	52.41	1079.	137.9	.6974	.5677	217.4
#1	-1.686	.5799	-.1450	13.39	46.44	.2601
#2	-5.046	.8818	.4932	13.57	46.84	-.1183
#3	-2.972	-1.883	.4027	13.51	46.95	.1224

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0841	23.69	.5310	180.7
Stddev	.5410	.07	.1076	12.2
%RSD	643.7	.3081	20.27	6.735
#1	.2672	23.68	.4125	185.4
#2	-.7071	23.76	.6226	189.7
#3	.1877	23.62	.5578	166.8

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	2945.0	34257.	5418.6
Stddev	8.3	149.	8.2
%RSD	.28329	.43349	.15052
#1	2939.9	34128.	5428.0
#2	2940.6	34225.	5414.5
#3	2954.7	34420.	5413.3

Sample Name: LB 460-360151/1-B@5 Acquired: 4/5/2016 14:09:48 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.61	1.257	-.1454	.2379	.0102	27.37
Stddev	2.67	2.135	.4257	.1121	.0241	1.46
%RSD	21.18	169.8	292.8	47.13	235.4	5.344
#1	15.70	-.8732	-.4535	.1352	.0221	27.35
#2	10.99	1.248	.3403	.3576	-.0175	25.92
#3	11.15	3.396	-.3231	.2209	.0261	28.85

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	-.1120	-.1722	-.3357	5.750	-6.330	24.97
Stddev	.0184	.1339	.2089	.341	7.987	11.85
%RSD	16.44	77.74	62.23	5.936	126.2	47.47
#1	-.1154	-.2326	-.5718	6.127	.2788	38.43
#2	-.0921	-.2654	-.1749	5.662	-15.20	16.10
#3	-.1285	-.0188	-.2604	5.461	-4.064	20.38

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	9.127	.1610	F 274700.	1.355	15.65	.2842
Stddev	2.462	.0107	5442.	.110	.60	2.217
%RSD	26.97	6.670	1.981	8.137	3.843	780.1
#1	7.473	.1633	278700.	1.228	15.50	-2.178
#2	11.96	.1704	276800.	1.410	16.31	2.123
#3	7.953	.1493	268500.	1.427	15.13	.9076

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

Sample Name: LB 460-360151/1-B@5 Acquired: 4/5/2016 14:09:48 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.675	-.5044	-.0662	1.698	-2.165	.0825
Stddev	2.476	.3249	.3107	.158	.473	.2222
%RSD	52.97	64.41	469.5	9.321	21.87	269.2
#1	-2.946	-.6524	.2131	1.790	-1.748	.2761
#2	-7.512	-.1319	-.4009	1.515	-2.066	.1316
#3	-3.568	-.7289	-.0108	1.788	-2.680	-.1601

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3948	.1202	-.0625	18.45
Stddev	1.113	.0446	.0470	11.85
%RSD	281.9	37.06	75.17	64.22
#1	-.3457	.0934	-.0116	5.638
#2	-1.531	.0956	-.1042	29.01
#3	.6928	.1717	-.0717	20.69

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2880.6	34010.	5314.0
Stddev	5.0	254.	51.0
%RSD	.17501	.74721	.95956
#1	2874.9	33825.	5296.9
#2	2882.5	33904.	5273.8
#3	2884.5	34299.	5371.4

Sample Name: LB 460-360378/1-B@5 Acquired: 4/5/2016 14:14:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.02	1.586	-.0942	-.0407	-.0302	-12.62
Stddev	8.59	1.094	.5624	.0866	.0826	4.70
%RSD	85.73	68.96	596.8	212.8	273.4	37.27
#1	12.95	.3678	-.6301	-.0559	-.0463	-8.562
#2	.3469	1.907	.4915	-.1186	.0592	-17.77
#3	16.75	2.483	-.1441	.0525	-.1035	-11.52

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0796	-.0306	-.5471	-1.742	-7.555	44.37
Stddev	.0252	.1149	.4386	.464	11.88	12.70
%RSD	31.71	375.0	80.17	26.64	157.2	28.62
#1	-.0991	.0238	-.3863	-1.522	-19.02	37.06
#2	-.0511	.0469	-1.043	-1.428	-8.335	37.02
#3	-.0887	-.1627	-.2116	-2.275	4.691	59.04

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4799	.0371	F 268100.	.6150	-.2588	1.159
Stddev	5.982	.0525	1082.	.1611	.5921	.783
%RSD	1247.	141.5	.4038	26.19	228.8	67.52
#1	1.547	-.0167	267800.	.7597	-.3968	.9564
#2	5.857	.0399	267100.	.6438	.3902	.4980
#3	-5.964	.0882	269200.	.4415	-.7697	2.024

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

Sample Name: LB 460-360378/1-B@5 Acquired: 4/5/2016 14:14:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.291	.4544	-.1283	.9603	-2.083	-.1952
Stddev	1.681	2.617	.0631	.0270	.435	.1480
%RSD	39.17	576.0	49.19	2.811	20.88	75.80
#1	-4.697	3.325	-.1193	.9519	-2.465	-.3652
#2	-2.444	-1.798	-.1954	.9905	-1.610	-.0959
#3	-5.731	-.1635	-.0702	.9385	-2.173	-.1244

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1340	-.0187	.0446	15.83
Stddev	.4616	.0204	.1656	10.82
%RSD	344.4	109.3	371.0	68.38
#1	.2991	-.0094	-.1373	7.689
#2	-.3874	-.0420	.0847	11.69
#3	.4904	-.0045	.1865	28.11

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2906.1	34050.	5437.5
Stddev	7.2	76.	38.6
%RSD	.24692	.22357	.70997
#1	2906.4	34103.	5460.8
#2	2913.1	34085.	5458.9
#3	2898.8	33963.	5393.0

Sample Name: MB 460-360758/1-A@2 Acquired: 4/5/2016 14:18:20 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1441	.9729	.0981	-.0922	.0019	-13.46
Stddev	11.02	1.108	.3429	.0796	.0603	3.94
%RSD	7646.	113.9	349.5	86.35	3141.	29.29
#1	5.808	1.620	.3746	-.1498	.0621	-13.64
#2	6.616	-.3065	.2054	-.0013	.0022	-9.432
#3	-12.86	1.605	-.2856	-.1256	-.0586	-17.31

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0558	-.0040	-.1144	-1.116	-1.103	-23.04
Stddev	.0042	.1699	.5679	.499	9.632	33.50
%RSD	7.524	4235.	496.3	44.69	873.3	145.4
#1	-.0528	.1509	-.4311	-1.640	8.060	-59.76
#2	-.0540	.0228	-.4534	-1.062	-11.14	-15.20
#3	-.0606	-.1857	.5412	-.6467	-.2252	5.841

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.394	.0129	46.41	.0133	1.166	1.208
Stddev	2.230	.0285	10.14	.1346	1.297	.822
%RSD	160.0	220.5	21.85	1009.	111.2	68.07
#1	3.567	.0458	57.47	.0994	2.587	.4478
#2	-.8892	-.0025	44.20	.0824	.0461	2.081
#3	1.503	-.0046	37.56	-.1418	.8653	1.096

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

Sample Name: MB 460-360758/1-A@2 Acquired: 4/5/2016 14:18:20 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.108	1.085	.1173	.8328	-3.683	-.0346
Stddev	2.658	1.443	.1614	.0627	.207	.0378
%RSD	64.70	133.0	137.6	7.534	5.613	109.2
#1	-3.156	2.514	.1588	.7753	-3.886	-.0051
#2	-7.111	-.3712	-.0608	.8997	-3.690	-.0772
#3	-2.058	1.111	.2540	.8232	-3.473	-.0214

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0001	-.1349	.0241	16.71
Stddev	.1055	.1576	.0657	7.06
%RSD	152900.	116.9	272.7	42.29
#1	.0348	-.1143	-.0498	8.741
#2	.0836	.0115	.0464	22.21
#3	-.1186	-.3017	.0758	19.16

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	3030.2	35990.	5435.8
Stddev	5.9	177.	25.1
%RSD	.19430	.49068	.46217
#1	3024.1	35976.	5439.6
#2	3035.9	36174.	5458.8
#3	3030.8	35821.	5409.0

Sample Name: 460-111461-K-1-A@4 Acquired: 4/5/2016 14:30:10 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23030.	20.94	.4344	4409.	1.110	F 264400.
Stddev	128.	2.80	.2421	17.	.141	1091.
%RSD	.5575	13.35	55.73	.3831	12.70	.4128

#1	23000.	24.17	.7105	4424.	1.211	265100.
#2	22930.	19.43	.2588	4412.	1.171	265100.
#3	23180.	19.23	.3338	4390.	.9490	263200.

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	8.809	19.68	61.37	82.77	46940.	2690.
Stddev	.022	.12	.49	.54	100.	17.
%RSD	.2465	.6344	.7920	.6546	.2123	.6182

#1	8.833	19.74	61.70	82.29	46850.	2678.
#2	8.791	19.53	61.59	83.36	46940.	2682.
#3	8.803	19.76	60.81	82.67	47050.	2709.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	102700.	701.5	891.5	28.91	F 16790.	-1.106
Stddev	575.	2.1	5.6	.73	104.	.743
%RSD	.5603	.3043	.6315	2.536	.6189	67.18

#1	103100.	702.5	886.6	29.58	16880.	-.4929
#2	102900.	702.9	890.3	29.03	16800.	-.8934
#3	102000.	699.0	897.7	28.13	16680.	-1.933

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

Sample Name: 460-111461-K-1-A@4 Acquired: 4/5/2016 14:30:10 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.021	-7.610	71.22	2390.	17.37	.6483
Stddev	.745	1.860	.98	3.	.69	.1155
%RSD	14.83	24.44	1.370	.1309	3.946	17.81
#1	-4.954	-9.719	70.38	2392.	17.66	.7431
#2	-4.311	-6.905	70.99	2392.	16.59	.5197
#3	-5.796	-6.205	72.29	2386.	17.86	.6821

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	35.46	347.7	698.6	1626.
Stddev	.80	1.0	.9	17.
%RSD	2.264	.2734	.1219	1.056
#1	36.39	347.0	699.0	1643.
#2	34.98	347.4	697.7	1624.
#3	35.01	348.8	699.3	1609.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2997.2	35058.	5708.9
Stddev	11.9	143.	46.8
%RSD	.39715	.40709	.81928
#1	2984.5	34962.	5687.7
#2	2999.2	34990.	5762.5
#3	3008.1	35222.	5676.5

Sample Name: LCSSRM 460-360758/2- Acquired: 4/5/2016 14:22:27 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35370.	689.1	141.8	1057.	473.1	27220.
Stddev	94.	4.7	.5	1.	2.1	195.
%RSD	.2664	.6796	.3194	.0599	.4417	.7147
#1	35420.	685.7	141.4	1058.	474.2	27440.
#2	35260.	687.2	142.3	1057.	470.7	27070.
#3	35430.	694.5	141.6	1056.	474.3	27150.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	433.6	777.8	720.9	812.6	67140.	10660.
Stddev	.3	.7	1.8	2.5	363.	53.
%RSD	.0579	.0922	.2548	.3085	.5409	.5009
#1	433.3	777.1	722.0	812.1	67470.	10700.
#2	433.7	778.5	718.8	810.5	66750.	10600.
#3	433.8	777.7	722.0	815.4	67180.	10690.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12280.	1532.	3789.	678.8	774.0	375.9
Stddev	66.	8.	23.	1.1	1.2	1.6
%RSD	.5391	.5267	.6017	.1662	.1539	.4171
#1	12350.	1541.	3806.	677.6	775.4	374.3
#2	12220.	1525.	3763.	679.8	773.6	377.5
#3	12260.	1531.	3797.	679.1	773.1	376.0

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

Sample Name: LCSSRM 460-360758/2- Acquired: 4/5/2016 14:22:27 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	866.8	738.0	544.3	970.8	637.4	584.9
Stddev	6.7	6.0	2.7	1.8	2.5	.7
%RSD	.7700	.8069	.4924	.1855	.3925	.1281
#1	859.3	732.9	546.8	971.6	634.6	584.5
#2	869.3	736.6	541.5	968.7	638.1	584.4
#3	871.9	744.5	544.6	972.0	639.5	585.8

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	733.0	491.7	1481.	2051.
Stddev	.9	1.7	4.	19.
%RSD	.1228	.3479	.3005	.9413
#1	732.0	492.4	1486.	2032.
#2	733.8	489.7	1477.	2051.
#3	733.2	492.9	1481.	2071.

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	3169.2	37397.	5814.1
Stddev	13.1	416.	74.8
%RSD	.41476	1.1119	1.2868
#1	3154.4	36922.	5728.2
#2	3173.8	37691.	5864.8
#3	3179.5	37579.	5849.3

Sample Name: 460-111461-K-1-C MS Acquired: 4/5/2016 14:38:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32400.	930.9	22.75	3883.	24.92	221500.
Stddev	220.	2.5	.60	9.	.16	1847.
%RSD	.6786	.2654	2.658	.2376	.6266	.8337
#1	32640.	928.5	22.77	3873.	24.74	223200.
#2	32340.	933.4	23.35	3884.	24.99	221700.
#3	32210.	930.8	22.14	3891.	25.03	219500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.07	253.1	176.7	201.3	50470.	11870.
Stddev	.36	.8	.5	1.8	95.	97.
%RSD	1.172	.3207	.2879	.9113	.1877	.8187
#1	30.76	252.3	176.3	200.1	50570.	11980.
#2	31.00	253.0	176.4	200.5	50470.	11790.
#3	31.47	253.9	177.2	203.4	50380.	11830.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	88660.	929.5	9621.	277.3	13660.	151.8
Stddev	404.	8.1	78.	1.9	23.	1.9
%RSD	.4551	.8736	.8089	.6823	.1666	1.226
#1	89040.	936.5	9711.	275.8	13640.	150.7
#2	88710.	931.5	9581.	276.7	13670.	150.8
#3	88230.	920.6	9572.	279.5	13680.	154.0

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

Sample Name: 460-111461-K-1-C MS Acquired: 4/5/2016 14:38:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	938.8	941.9	320.8	2086.	260.6	232.1
Stddev	13.6	5.9	1.3	2.	2.1	1.2
%RSD	1.449	.6250	.4173	.0720	.7919	.5101
#1	926.5	939.0	319.6	2085.	258.7	230.9
#2	936.4	938.0	320.5	2088.	260.2	232.0
#3	953.4	948.7	322.2	2085.	262.8	233.3

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	295.3	563.3	1099.	2673.
Stddev	.8	3.8	2.	41.
%RSD	.2596	.6694	.2134	1.529
#1	294.6	567.7	1098.	2655.
#2	295.2	560.9	1097.	2645.
#3	296.1	561.3	1102.	2720.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2894.9	34998.	5581.1
Stddev	14.2	489.	124.6
%RSD	.49008	1.3983	2.2317
#1	2878.5	34489.	5471.2
#2	2903.1	35041.	5555.8
#3	2903.0	35465.	5716.4

Sample Name: pds 460-111461-K-1-A Acquired: 4/5/2016 14:41:53 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24880.	1878.	44.86	6293.	49.21	F 267000.
Stddev	113.	6.	.43	21.	.17	918.
%RSD	.4557	.3150	.9545	.3341	.3376	.3438
#1	24850.	1883.	44.58	6317.	49.39	267000.
#2	24790.	1880.	44.64	6283.	49.17	266100.
#3	25010.	1871.	45.35	6278.	49.06	267900.
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	55.74	491.2	255.0	319.9	45700.	20000.
Stddev	.14	1.3	1.0	.3	194.	17.
%RSD	.2464	.2698	.3789	.0832	.4238	.0840
#1	55.83	492.6	256.1	320.2	45570.	19990.
#2	55.81	490.1	254.7	319.7	45600.	19990.
#3	55.58	490.8	254.3	319.8	45920.	20020.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116700.	1114.	18960.	515.4	F 17130.	459.0
Stddev	321.	6.	128.	2.8	85.	3.3
%RSD	.2754	.5578	.6768	.5439	.4957	.7095
#1	117100.	1113.	18900.	518.6	17230.	461.8
#2	116400.	1108.	18870.	514.4	17100.	455.4
#3	116600.	1121.	19110.	513.3	17070.	459.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: pds 460-111461-K-1-A Acquired: 4/5/2016 14:41:53 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1939.	1949.	551.9	2775.	517.0	483.9
Stddev	9.	10.	.3	1.	2.8	.6
%RSD	.4590	.4987	.0562	.0307	.5498	.1182
#1	1944.	1942.	552.1	2775.	519.9	483.9
#2	1944.	1960.	552.1	2776.	514.3	484.5
#3	1929.	1945.	551.6	2775.	516.8	483.3

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	519.0	805.8	1167.	1750.
Stddev	2.2	1.6	1.	10.
%RSD	.4199	.2034	.0835	.5738
#1	520.6	805.1	1166.	1754.
#2	519.9	804.7	1166.	1756.
#3	516.5	807.7	1168.	1738.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2865.5	35055.	5576.9
Stddev	5.0	111.	26.3
%RSD	.17432	.31667	.47072
#1	2861.7	34976.	5562.1
#2	2871.2	35182.	5607.2
#3	2863.6	35007.	5561.3

Sample Name: CCVL Acquired: 4/5/2016 14:53:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	217.7	14.69	9.348	212.2	2.013	4945.
Stddev	9.4	1.01	.118	.4	.098	14.
%RSD	4.311	6.899	1.262	.2086	4.849	.2811

#1	216.6	14.76	9.451	212.2	1.900	4929.
#2	208.9	15.67	9.219	212.7	2.067	4955.
#3	227.5	13.65	9.372	211.8	2.072	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	53.11	10.42	23.47	161.1	4749.
Stddev	.059	.37	.43	.28	4.9	21.
%RSD	1.418	.6956	4.083	1.213	3.069	.4456

#1	4.189	52.85	10.07	23.15	163.4	4724.
#2	4.078	53.53	10.29	23.68	155.4	4763.
#3	4.166	52.94	10.89	23.58	164.5	4759.

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	4982.	15.82	4709.	44.02	12.07	18.49
Stddev	11.	.10	30.	.45	1.32	1.32
%RSD	.2142	.6321	.6310	1.021	10.95	7.135

#1	4972.	15.73	4742.	44.52	11.26	17.00
#2	4993.	15.81	4696.	43.90	11.35	18.97
#3	4982.	15.93	4687.	43.64	13.59	19.50

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

Sample Name: CCVL Acquired: 4/5/2016 14:53:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.63	23.72	50.29	31.46	47.42	20.63
Stddev	1.66	.79	.18	.09	.44	.23
%RSD	8.048	3.328	.3620	.2936	.9239	1.090
#1	22.54	24.47	50.11	31.42	47.64	20.75
#2	19.53	23.80	50.30	31.57	47.71	20.38
#3	19.83	22.90	50.47	31.40	46.92	20.78

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	51.45	20.15	20.68	F 13.08
Stddev	.16	.01	.09	6.01
%RSD	.3109	.0705	.4212	45.93
#1	51.50	20.13	20.64	19.27
#2	51.59	20.16	20.62	7.261
#3	51.28	20.16	20.78	12.73

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	3060.2	36430.	5557.4
Stddev	9.8	67.	51.4
%RSD	.31944	.18283	.92439
#1	3055.4	36464.	5507.8
#2	3053.7	36353.	5554.0
#3	3071.4	36472.	5610.4

Sample Name: 460-111461-G-3-A@4 Acquired: 4/5/2016 15:01:37 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19100.	16.91	1.493	581.2	1.060	F 317100.
Stddev	113.	1.51	.380	2.0	.041	758.
%RSD	.5924	8.910	25.46	.3457	3.841	.2390

#1	18980.	15.39	1.693	579.3	1.102	316200.
#2	19200.	16.93	1.731	581.1	1.055	317700.
#3	19130.	18.40	1.055	583.3	1.022	317300.

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	3.913	15.96	76.67	131.0	56240.	3143.
Stddev	.138	.34	.46	.6	104.	10.
%RSD	3.515	2.107	.5937	.4668	.1846	.3137

#1	3.819	15.94	76.24	130.6	56250.	3145.
#2	3.849	16.31	76.63	131.7	56350.	3151.
#3	4.071	15.63	77.15	130.7	56140.	3132.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33160.	679.8	1231.	39.17	806.6	4.492
Stddev	117.	1.1	7.	.67	4.8	1.091
%RSD	.3534	.1671	.5932	1.700	.5991	24.29

#1	33020.	679.1	1223.	38.54	802.4	3.470
#2	33220.	681.1	1238.	39.12	805.4	5.641
#3	33230.	679.1	1230.	39.86	811.9	4.365

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

Sample Name: 460-111461-G-3-A@4 Acquired: 4/5/2016 15:01:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.589	.5404	73.91	1645.	34.60	2.547
Stddev	3.667	2.185	.12	10.	.18	.139
%RSD	102.2	404.3	.1625	.6095	.5256	5.448
#1	6.013	-1.137	73.86	1635.	34.44	2.526
#2	5.382	3.011	74.04	1644.	34.80	2.420
#3	-.6295	-.2528	73.81	1655.	34.57	2.695

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.62	1878.	684.9	1897.
Stddev	.91	10.	1.5	21.
%RSD	6.670	.5535	.2181	1.096
#1	13.29	1870.	683.9	1919.
#2	12.92	1890.	684.1	1894.
#3	14.65	1875.	686.6	1877.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2863.8	34215.	5579.8
Stddev	5.8	65.	27.7
%RSD	.20412	.19075	.49640
#1	2870.0	34150.	5611.8
#2	2863.0	34215.	5563.5
#3	2858.4	34280.	5564.2

Sample Name: 460-111461-K-1-B DU Acquired: 4/5/2016 14:26:14 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22950.	19.21	.2882	4446.	1.232	F 263300.
Stddev	129.	2.03	.4939	11.	.041	1089.
%RSD	.5634	10.58	171.4	.2504	3.359	.4135

#1	22800.	17.64	-.2500	4458.	1.242	264400.
#2	23000.	18.48	.3941	4437.	1.267	263000.
#3	23050.	21.50	.7207	4444.	1.186	262300.

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	8.917	19.72	62.41	82.54	46670.	2728.
Stddev	.171	.05	.54	.49	69.	19.
%RSD	1.922	.2418	.8583	.5940	.1483	.7090

#1	9.114	19.72	63.01	82.66	46740.	2711.
#2	8.836	19.77	61.97	82.96	46620.	2749.
#3	8.801	19.67	62.27	82.00	46630.	2722.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	102700.	695.8	883.4	28.99	F 16960.	-1.427
Stddev	521.	1.2	4.9	.25	44.	1.080
%RSD	.5077	.1720	.5558	.8726	.2622	75.68

#1	103300.	696.6	877.7	28.84	17010.	-.3289
#2	102400.	696.4	886.6	28.85	16920.	-1.464
#3	102400.	694.5	885.9	29.28	16940.	-2.487

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

Sample Name: 460-111461-K-1-B DU Acquired: 4/5/2016 14:26:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	-7.959	72.18	2377.	18.52	.8135
Stddev	1.859	.636	.14	3.	.72	.1670
%RSD	104.5	7.995	.1929	.1077	3.905	20.53
#1	.7131	-7.377	72.31	2378.	19.30	.7221
#2	.6993	-7.862	72.03	2374.	18.38	1.006
#3	3.926	-8.638	72.20	2378.	17.88	.7123

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	35.80	346.7	697.0	1638.
Stddev	1.44	.7	2.1	11.
%RSD	4.019	.2134	.2989	.6598
#1	36.68	346.1	698.7	1641.
#2	36.58	347.5	694.7	1647.
#3	34.14	346.6	697.6	1626.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2960.7	34859.	5664.8
Stddev	14.9	351.	40.5
%RSD	.50243	1.0055	.71480
#1	2943.6	34474.	5620.8
#2	2968.8	34942.	5672.9
#3	2969.8	35160.	5700.5

Sample Name: 460-111539-A-3-D@4 Acquired: 4/5/2016 15:09:33 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19030.	9.912	.8026	182.1	.9518	3039.
Stddev	159.	.567	.3611	1.2	.0370	40.
%RSD	.8338	5.723	44.99	.6816	3.890	1.329
#1	18850.	10.14	.9726	180.7	.9502	3001.
#2	19070.	9.265	1.047	183.0	.9156	3034.
#3	19160.	10.33	.3879	182.7	.9896	3081.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3783	16.06	38.02	55.04	37710.	893.8
Stddev	.0755	.08	.62	.78	337.	9.4
%RSD	19.95	.4844	1.619	1.412	.8921	1.053
#1	.3310	15.98	37.43	54.17	37380.	899.0
#2	.3385	16.14	37.98	55.28	37700.	899.5
#3	.4653	16.07	38.66	55.66	38060.	882.9

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	3207.	741.7	25.08	30.63	158.2	1.027
Stddev	37.	6.7	5.71	.63	.4	.620
%RSD	1.152	.8977	22.75	2.072	.2566	60.34
#1	3173.	736.0	24.01	30.03	157.7	1.198
#2	3201.	740.1	31.25	31.29	158.5	1.543
#3	3246.	749.0	19.99	30.57	158.3	.3396

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

Sample Name: 460-111539-A-3-D@4 Acquired: 4/5/2016 15:09:33 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.309	-1.742	42.01	172.0	-2.015	1.784
Stddev	.541	1.879	.67	1.3	.169	.290
%RSD	23.42	1079.	1.606	.7408	8.375	16.24
#1	2.616	-2.211	41.32	170.6	-2.189	1.466
#2	1.684	.1971	42.05	172.5	-1.852	1.853
#3	2.625	1.491	42.66	173.0	-2.003	2.033

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	3.236	20.81	499.5	636.2
Stddev	.580	.31	5.5	28.0
%RSD	17.94	1.501	1.101	4.400
#1	2.680	20.62	493.7	618.3
#2	3.838	20.64	500.2	668.5
#3	3.189	21.17	504.6	621.9

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	3067.8	37051.	5728.5
Stddev	2.8	76.	21.7
%RSD	.09206	.20637	.37928
#1	3067.8	36967.	5711.6
#2	3064.9	37116.	5753.0
#3	3070.5	37069.	5720.9

Sample Name: 460-111529-D-6-A@4 Acquired: 4/5/2016 15:21:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118000.	-1.164	2.745	987.9	6.605	1608.
Stddev	528.	1.574	.114	4.7	.098	9.
%RSD	.4474	135.2	4.160	.4762	1.477	.5391
#1	118600.	.3732	2.802	988.2	6.679	1603.
#2	117900.	-2.773	2.820	983.1	6.494	1618.
#3	117500.	-1.093	2.614	992.4	6.642	1603.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1448	94.93	199.3	147.4	164200.	55240.
Stddev	.1120	.33	.6	.6	368.	163.
%RSD	77.36	.3520	.3013	.4361	.2242	.2955
#1	.0367	94.76	199.1	147.8	163800.	55420.
#2	.2604	95.31	200.0	146.7	164200.	55190.
#3	.1374	94.70	198.9	147.8	164500.	55100.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50760.	2414.	2351.	136.0	87.01	3.462
Stddev	107.	5.	16.	.5	.59	1.248
%RSD	.2113	.2103	.6838	.3475	.6745	36.04
#1	50770.	2408.	2334.	135.7	86.35	4.854
#2	50850.	2416.	2351.	135.8	87.18	2.446
#3	50640.	2417.	2366.	136.6	87.48	3.085

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

Sample Name: 460-111529-D-6-A@4 Acquired: 4/5/2016 15:21:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.71	.1560	245.3	417.7	-8.437	1.172
Stddev	4.81	.7347	.7	.9	.673	.096
%RSD	35.12	471.0	.2991	.2048	7.976	8.171
#1	9.143	-.4941	245.4	416.8	-8.476	1.235
#2	18.74	.0090	246.0	418.5	-7.745	1.220
#3	13.24	.9531	244.6	417.7	-9.090	1.062

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.303	18.25	10030.	1111.
Stddev	.288	.15	52.	9.
%RSD	4.572	.8235	.5151	.7653
#1	6.116	18.25	9997.	1114.
#2	6.635	18.09	10000.	1117.
#3	6.158	18.40	10090.	1101.

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

Int. Std.	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	37151.	5897.8
Stddev	23.6	446.	114.1
%RSD	.75256	1.2002	1.9352
#1	3109.4	36733.	5791.3
#2	3130.2	37099.	5883.8
#3	3156.5	37621.	6018.3

Sample Name: 460-111006-A-1-B@4 Acquired: 4/5/2016 15:33:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24750.	8.374	1.157	344.1	1.165	3551.
Stddev	124.	1.678	.488	2.2	.035	9.
%RSD	.5017	20.03	42.16	.6522	3.008	.2520
#1	24760.	7.312	1.464	344.8	1.143	3561.
#2	24620.	7.503	1.414	341.6	1.205	3545.
#3	24870.	10.31	.5947	345.9	1.147	3548.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3384	12.01	37.89	36.01	48750.	990.4
Stddev	.0717	.12	.26	.57	146.	22.8
%RSD	21.20	1.022	.6947	1.593	.3003	2.299
#1	.2560	11.98	37.82	36.61	48830.	975.6
#2	.3720	11.90	38.17	35.96	48830.	1017.
#3	.3871	12.14	37.66	35.46	48580.	978.9

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	3251.	1253.	29.45	47.46	821.4	.5996
Stddev	13.	8.	10.20	.38	6.4	1.427
%RSD	.4073	.6637	34.62	.8056	.7845	238.0
#1	3263.	1262.	37.11	47.05	815.9	2.009
#2	3237.	1250.	33.35	47.53	819.9	-.8447
#3	3252.	1246.	17.88	47.80	828.5	.6342

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

Sample Name: 460-111006-A-1-B@4 Acquired: 4/5/2016 15:33:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.381	-6461	41.25	408.9	-1.651	1.179
Stddev	4.925	.4379	.10	1.0	.755	.118
%RSD	112.4	67.77	.2485	.2495	45.70	10.02
#1	7.342	-.9321	41.17	407.8	-2.071	1.256
#2	-1.304	-.8643	41.37	409.0	-2.104	1.237
#3	7.106	-.1420	41.21	409.8	-.7802	1.043

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.698	27.99	588.6	858.4
Stddev	1.085	.28	.7	4.7
%RSD	23.09	.9840	.1139	.5468
#1	3.448	28.21	587.8	854.3
#2	5.254	28.08	588.9	863.5
#3	5.391	27.68	589.0	857.6

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	3100.4	37166.	5724.7
Stddev	4.1	208.	124.0
%RSD	.13069	.55951	2.1657
#1	3104.9	37057.	5794.9
#2	3097.1	37035.	5797.6
#3	3099.1	37406.	5581.5

Sample Name: sd 460-111461-K-1-A Acquired: 4/5/2016 14:34:07 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4596.	7.654	-1.1416	896.1	.2567	51640.
Stddev	18.	.516	.4350	1.7	.0486	442.
%RSD	.3892	6.746	307.2	.1926	18.92	.8563

#1	4613.	7.657	.3572	894.1	.2288	51910.
#2	4597.	7.135	-.4423	896.6	.3127	51890.
#3	4577.	8.168	-.3397	897.5	.2285	51130.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.682	4.040	12.88	15.97	9640.	533.8
Stddev	.036	.097	.36	.95	47.	32.3
%RSD	2.122	2.410	2.827	5.937	.4874	6.054

#1	1.719	4.047	13.30	17.02	9694.	501.0
#2	1.647	4.134	12.68	15.72	9620.	565.6
#3	1.681	3.940	12.66	15.18	9607.	534.8

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	20040.	142.8	165.3	5.778	3517.	-.7529
Stddev	95.	.8	7.9	.370	13.	2.045
%RSD	.4720	.5471	4.777	6.407	.3619	271.6

#1	20080.	143.4	171.4	5.655	3504.	-3.063
#2	20110.	143.0	156.4	5.486	3518.	.8247
#3	19940.	141.9	168.0	6.195	3529.	-.0203

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

Sample Name: sd 460-111461-K-1-A Acquired: 4/5/2016 14:34:07 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.478	-.7104	14.11	497.6	.6924	.0730
Stddev	2.564	.4436	.26	2.1	.1596	.1817
%RSD	46.80	62.45	1.865	.4193	23.04	249.0
#1	-7.769	-.7880	14.32	499.9	.5082	.2481
#2	-2.709	-1.110	13.81	497.4	.7865	-.1146
#3	-5.957	-.2331	14.20	495.7	.7826	.0854

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.724	69.74	140.9	304.0
Stddev	.662	.28	1.3	8.2
%RSD	9.839	.4059	.9241	2.708
#1	7.155	69.90	142.0	300.7
#2	7.055	69.91	139.5	313.3
#3	5.963	69.42	141.1	297.9

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	3037.0	35809.	5491.8
Stddev	8.4	276.	27.7
%RSD	.27772	.77149	.50507
#1	3042.1	35627.	5460.0
#2	3041.5	35673.	5504.0
#3	3027.2	36127.	5511.3

Sample Name: CCB Acquired: 4/5/2016 15:41:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.602	2.469	-.0197	.2717	-.0285	-18.65
Stddev	10.33	.774	.3405	.1237	.1212	1.16
%RSD	2868.	31.36	1731.	45.55	425.3	6.195

#1	-3.950	2.523	-.0465	.2886	.0513	-17.38
#2	-8.417	1.669	-.3459	.3861	.0312	-19.65
#3	11.29	3.214	.3334	.1403	-.1679	-18.91

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0639	.1846	.0656	-2.728	7.681	26.80
Stddev	.0617	.0806	.3654	.313	2.207	36.95
%RSD	96.49	43.66	557.4	11.49	28.73	137.9

#1	-.0111	.1416	.0240	-2.430	5.622	58.74
#2	-.1318	.2776	-.2773	-2.699	10.01	35.33
#3	-.0490	.1346	.4500	-3.055	7.409	-13.67

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.606	.1230	-26.25	-.2391	.9172	1.099
Stddev	3.356	.0559	13.39	.3911	.7383	3.374
%RSD	59.86	45.43	51.01	163.5	80.50	306.9

#1	5.905	.1743	-16.83	.1150	1.548	3.526
#2	8.803	.1312	-41.58	-.1735	1.099	2.526
#3	2.111	.0634	-20.35	-.6589	.1050	-2.754

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

Sample Name: CCB Acquired: 4/5/2016 15:41:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.476	1.166	-.0382	.1332	-2.272	1.001
Stddev	1.482	1.080	.2286	.1179	.373	.425
%RSD	33.12	92.62	599.1	88.54	16.43	42.51
#1	-6.097	.0834	.1853	.0862	-1.870	1.462
#2	-4.142	2.244	-.2716	.2674	-2.609	.9176
#3	-3.189	1.172	-.0282	.0460	-2.335	.6233

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4417	.1686	.5133	5.862
Stddev	.3460	.0530	.1487	10.54
%RSD	78.34	31.42	28.97	179.8
#1	-.7117	.1447	.6745	16.75
#2	-.5619	.2292	.4841	5.123
#3	-.0516	.1317	.3814	-4.287

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	3037.4	36686.	5499.1
Stddev	3.4	154.	95.6
%RSD	.11263	.41895	1.7379
#1	3033.4	36861.	5609.3
#2	3039.8	36574.	5449.0
#3	3038.8	36623.	5439.1

Sample Name: CCV Acquired: 4/5/2016 14:45:38 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120600.	2446.	1185.	10030.	987.0	121300.
Stddev	339.	12.	3.	5.	3.4	453.
%RSD	.2813	.5035	.2279	.0530	.3470	.3736

#1	120200.	2459.	1182.	10030.	984.6	120800.
#2	120700.	2435.	1186.	10020.	985.5	121500.
#3	120900.	2444.	1187.	10030.	990.9	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	1242.	2475.	4994.	12310.	97270.	48460.
Stddev	1.	1.	13.	7.	414.	102.
%RSD	.0749	.0392	.2668	.0589	.4253	.2114

#1	1242.	2476.	4981.	12320.	96810.	48350.
#2	1241.	2474.	4992.	12310.	97390.	48480.
#3	1243.	2475.	5007.	12300.	97610.	48550.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121900.	4879.	119500.	2518.	7523.	974.2
Stddev	300.	16.	469.	5.	14.	4.2
%RSD	.2460	.3369	.3925	.1867	.1906	.4277

#1	121600.	4860.	118900.	2521.	7539.	978.5
#2	122200.	4890.	119600.	2513.	7511.	973.9
#3	122000.	4887.	119900.	2521.	7521.	970.1

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

Sample Name: CCV Acquired: 4/5/2016 14:45:38 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2482.	2529.	2468.	2464.	1001.	2501.
Stddev	13.	24.	6.	9.	2.	4.
%RSD	.5040	.9598	.2292	.3729	.2080	.1478

#1	2496.	2556.	2464.	2455.	1003.	2505.
#2	2474.	2509.	2464.	2464.	999.9	2498.
#3	2475.	2521.	2474.	2474.	998.9	2501.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1002.	4916.	9926.	9665.
Stddev	4.	6.	84.	77.
%RSD	.4417	.1129	.8491	.7957

#1	1007.	4918.	9834.	9583.
#2	997.8	4910.	10000.	9736.
#3	1003.	4921.	9945.	9674.

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	2801.0	33592.	5348.5
Stddev	6.8	239.	16.8
%RSD	.24443	.71287	.31436

#1	2808.8	33864.	5345.7
#2	2798.1	33502.	5366.6
#3	2796.1	33411.	5333.3

Sample Name: CCB Acquired: 4/5/2016 14:49:28 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.031	-.0839	-.3568	.2663	.0553	-10.36
Stddev	4.157	.6210	.5946	.1644	.1027	3.36
%RSD	59.13	740.3	166.7	61.73	185.8	32.48
#1	2.340	.3214	.3081	.3146	.1557	-6.472
#2	10.26	.2258	-.8375	.4010	-.0496	-12.27
#3	8.493	-.7989	-.5409	.0831	.0597	-12.33

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	-.1665	.0541	.2428	-2.594	-6.336	6.193
Stddev	.0268	.1092	.2789	.181	2.325	12.58
%RSD	16.11	201.8	114.9	6.988	36.70	203.2
#1	-.1588	.0255	.1145	-2.718	-8.890	-4.657
#2	-.1963	-.0379	.5628	-2.677	-5.776	19.98
#3	-.1443	.1747	.0512	-2.386	-4.342	3.251

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.884	.0989	-11.07	-.2663	1.307	-.3030
Stddev	4.247	.0345	7.86	.2417	1.198	.3560
%RSD	86.95	34.86	71.05	90.79	91.66	117.5
#1	5.068	.0850	-2.308	-.0831	2.619	-.1665
#2	.5488	.0735	-13.37	-.1754	1.034	-.0354
#3	9.036	.1381	-17.52	-.5403	.2695	-.7071

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

Sample Name: CCB Acquired: 4/5/2016 14:49:28 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.060	.4245	-.0454	.2072	-2.284	.9017
Stddev	1.140	1.064	.0957	.2153	.279	.5930
%RSD	55.36	250.7	210.6	103.9	12.22	65.76
#1	-1.903	.2576	.0650	.3563	-2.548	1.529
#2	-3.270	1.562	-.1034	.3050	-1.992	.8257
#3	-1.005	-.5462	-.0979	-.0396	-2.313	.3504

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2026	.0536	.4085	-.3405
Stddev	.3111	.0284	.1372	8.480
%RSD	153.6	52.95	33.58	2490.
#1	-.1267	.0851	.5169	-9.988
#2	-.5446	.0457	.4544	3.031
#3	.0636	.0300	.2543	5.935

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	3043.0	36748.	5454.8
Stddev	14.4	91.	88.3
%RSD	.47261	.24768	1.6182
#1	3030.2	36648.	5386.7
#2	3040.2	36771.	5423.2
#3	3058.5	36826.	5554.5

Sample Name: 460-111461-G-2-A@4 Acquired: 4/5/2016 14:57:40 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31680.	7.434	2.430	368.1	2.792	14110.
Stddev	63.	.442	.378	.5	.126	94.
%RSD	.1986	5.946	15.54	.1383	4.503	.6664

#1	31690.	7.883	2.043	367.7	2.928	14000.
#2	31740.	7.000	2.797	368.7	2.679	14170.
#3	31610.	7.419	2.450	368.0	2.769	14160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.586	52.88	92.14	65.39	91680.	4917.
Stddev	.103	.06	1.09	.51	277.	27.
%RSD	1.362	.1064	1.187	.7741	.3021	.5441

#1	7.623	52.94	91.48	64.92	91380.	4920.
#2	7.470	52.86	91.53	65.31	91930.	4943.
#3	7.666	52.83	93.40	65.93	91720.	4890.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10200.	3461.	595.2	62.14	244.3	.6244
Stddev	61.	20.	1.2	.12	.8	.6887
%RSD	.5964	.5922	.1947	.1999	.3336	110.3

#1	10130.	3437.	595.0	62.01	245.2	-.1595
#2	10240.	3471.	596.5	62.16	243.6	1.132
#3	10240.	3474.	594.2	62.26	244.2	.9010

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

Sample Name: 460-111461-G-2-A@4 Acquired: 4/5/2016 14:57:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.267	-1.166	122.2	4940.	-.6605	.9345
Stddev	2.288	.982	.8	14.	.2111	.2085
%RSD	27.68	84.21	.6227	.2820	31.96	22.31
#1	5.765	-2.089	122.0	4949.	-.8513	1.078
#2	8.785	-.1340	123.1	4946.	-.4338	.6953
#3	10.25	-1.276	121.6	4924.	-.6963	1.030

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.93	61.41	1454.	1331.
Stddev	.28	.24	2.	24.
%RSD	1.538	.3906	.1129	1.822
#1	17.62	61.14	1455.	1353.
#2	18.01	61.54	1454.	1305.
#3	18.15	61.56	1452.	1336.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3141.5	37037.	5778.4
Stddev	12.8	85.	33.5
%RSD	.40795	.22989	.58046
#1	3131.4	37053.	5740.6
#2	3137.3	36945.	5790.1
#3	3155.9	37113.	5804.5

Sample Name: 460-111461-G-4-A@4 Acquired: 4/5/2016 15:05:35 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36080.	19.73	1.637	436.8	2.397	94100.
Stddev	289.	1.93	.291	.6	.016	223.
%RSD	.8018	9.778	17.76	.1396	.6505	.2369

#1	35990.	21.80	1.968	436.3	2.397	94270.
#2	35840.	19.40	1.426	437.5	2.381	93850.
#3	36400.	17.99	1.516	436.6	2.412	94190.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8758	44.47	101.9	108.8	66290.	4231.
Stddev	.1224	.15	.4	.3	140.	25.
%RSD	13.98	.3469	.4368	.3085	.2116	.5914

#1	.8351	44.44	102.2	108.9	66430.	4211.
#2	.7790	44.64	101.4	109.0	66310.	4259.
#3	1.013	44.33	102.2	108.4	66150.	4222.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20390.	1107.	1059.	52.85	690.9	1.373
Stddev	39.	4.	6.	.14	3.1	1.565
%RSD	.1905	.3644	.5259	.2569	.4434	114.0

#1	20410.	1111.	1064.	52.79	687.4	-.1545
#2	20350.	1105.	1060.	52.76	692.5	2.973
#3	20420.	1104.	1053.	53.01	692.9	1.300

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

Sample Name: 460-111461-G-4-A@4 Acquired: 4/5/2016 15:05:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.508	.2681	106.7	510.3	14.62	2.246
Stddev	1.703	2.412	.3	.8	.65	.147
%RSD	30.92	899.5	.2821	.1487	4.428	6.543
#1	5.883	-.9146	106.3	509.6	15.19	2.165
#2	6.993	3.043	106.7	511.1	13.91	2.416
#3	3.649	-1.324	106.9	510.1	14.75	2.157

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	32.08	422.0	1000.0	1183.
Stddev	.59	1.8	1.23	19.
%RSD	1.831	.4201	.1234	1.576
#1	31.74	423.3	1001.	1205.
#2	32.76	420.0	1001.	1171.
#3	31.74	422.8	998.5	1174.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3062.6	36804.	5816.9
Stddev	11.5	186.	97.9
%RSD	.37589	.50417	1.6834
#1	3073.6	36844.	5874.4
#2	3063.6	36967.	5872.5
#3	3050.6	36602.	5703.9

Sample Name: 460-111539-A-4-B@4 Acquired: 4/5/2016 15:13:33 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23940.	17.54	1.355	561.5	1.239	15160.
Stddev	149.	3.06	.386	2.4	.109	72.
%RSD	.6205	17.46	28.50	.4241	8.770	.4723

#1	23800.	17.84	1.188	559.0	1.285	15180.
#2	23920.	14.34	1.080	562.0	1.115	15080.
#3	24100.	20.44	1.797	563.7	1.317	15220.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9650	15.20	52.03	115.9	47650.	1208.
Stddev	.1132	.14	.45	.8	69.	28.
%RSD	11.73	.9121	.8663	.6903	.1444	2.296

#1	.9604	15.13	51.54	115.0	47570.	1207.
#2	.8542	15.36	52.15	116.3	47670.	1181.
#3	1.080	15.12	52.42	116.4	47700.	1236.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10540.	1006.	78.42	52.03	1608.	3.109
Stddev	57.	4.	4.38	.38	6.	.009
%RSD	.5388	.3688	5.585	.7362	.3457	.2879

#1	10580.	1005.	74.37	51.68	1602.	3.117
#2	10470.	1003.	77.81	51.96	1611.	3.112
#3	10560.	1010.	83.07	52.44	1611.	3.099

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

Sample Name: 460-111539-A-4-B@4 Acquired: 4/5/2016 15:13:33 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.498	.3328	58.98	426.0	-.7313	1.798
Stddev	3.280	1.087	.38	2.9	.3864	.271
%RSD	93.76	326.7	.6390	.6725	52.84	15.06
#1	.6254	1.499	58.71	422.8	-.6800	2.088
#2	7.072	-.6529	58.83	426.9	-1.141	1.552
#3	2.797	.1524	59.41	428.3	-.3731	1.754

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.20	34.35	695.2	770.5
Stddev	.40	.26	3.4	15.8
%RSD	3.062	.7675	.4932	2.055
#1	12.82	34.10	692.0	756.8
#2	13.63	34.32	694.9	767.0
#3	13.15	34.63	698.8	787.8

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	3039.2	36567.	5693.1
Stddev	6.6	181.	83.7
%RSD	.21853	.49477	1.4695
#1	3042.1	36392.	5613.8
#2	3043.8	36753.	5780.5
#3	3031.6	36555.	5684.9

Sample Name: 460-111529-B-5-A@10 Acquired: 4/5/2016 15:17:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82190.	1.116	1.804	577.2	7.161	2011.
Stddev	2398.	1.633	.376	19.9	.262	75.
%RSD	2.918	146.3	20.83	3.455	3.653	3.715

#1	80330.	-.7615	2.040	558.3	6.950	1943.
#2	81350.	1.907	2.000	575.5	7.079	2000.
#3	84900.	2.203	1.370	598.0	7.453	2091.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1217	91.42	139.5	174.3	98240.	24270.
Stddev	.1169	3.29	5.6	6.0	3310.	632.
%RSD	96.05	3.593	4.027	3.450	3.369	2.603

#1	.1241	88.03	134.3	168.1	95040.	23780.
#2	.2374	91.65	138.6	174.6	98050.	24050.
#3	.0037	94.59	145.5	180.1	101600.	24980.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29060.	2950.	823.0	101.1	47.14	2.502
Stddev	973.	94.	16.2	3.5	2.87	.350
%RSD	3.349	3.186	1.973	3.433	6.098	14.00

#1	28180.	2867.	816.3	97.40	46.77	2.350
#2	28890.	2932.	811.1	101.6	44.46	2.253
#3	30110.	3052.	841.5	104.3	50.18	2.902

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

Sample Name: 460-111529-B-5-A@10 Acquired: 4/5/2016 15:17:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.394	1.455	206.6	269.4	-6.793	.5100
Stddev	1.900	.675	7.6	8.9	.517	.1904
%RSD	29.71	46.36	3.671	3.312	7.613	37.34
#1	8.099	.8712	198.9	261.2	-7.276	.6629
#2	4.346	1.301	207.0	268.3	-6.247	.5704
#3	6.735	2.194	214.0	278.9	-6.857	.2967

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.361	14.48	4835.	525.2
Stddev	.550	.43	162.	33.5
%RSD	10.25	2.942	3.346	6.372
#1	4.966	14.14	4680.	495.8
#2	5.128	14.33	4822.	518.2
#3	5.989	14.96	5003.	561.6

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	3186.9	37939.	5833.1
Stddev	14.4	250.	106.4
%RSD	.45112	.65924	1.8243
#1	3170.4	37655.	5711.1
#2	3193.4	38127.	5881.6
#3	3196.8	38035.	5906.6

Sample Name: 460-111529-D-7-A@4 Acquired: 4/5/2016 15:25:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95670.	-1.799	2.021	680.4	4.852	1481.
Stddev	569.	2.210	.387	.6	.004	10.
%RSD	.5948	122.9	19.14	.0885	.0917	.6513

#1	95780.	-4.290	2.468	681.0	4.856	1492.
#2	95050.	-.0754	1.797	679.8	4.848	1479.
#3	96170.	-1.030	1.799	680.6	4.851	1472.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0283	53.16	150.1	138.2	130600.	43770.
Stddev	.0899	.57	.2	.6	403.	160.
%RSD	317.7	1.066	.1352	.4408	.3083	.3658

#1	-.0814	52.54	150.4	138.7	131000.	43790.
#2	.0755	53.64	150.1	138.2	130200.	43600.
#3	-.0790	53.31	150.0	137.5	130500.	43920.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40960.	2177.	1745.	122.4	51.72	1.770
Stddev	133.	5.	8.	.3	1.33	1.038
%RSD	.3241	.2441	.4548	.2071	2.573	58.67

#1	40880.	2181.	1751.	122.1	52.99	2.370
#2	40870.	2171.	1736.	122.6	51.84	2.368
#3	41110.	2180.	1747.	122.6	50.34	.5709

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

Sample Name: 460-111529-D-7-A@4 Acquired: 4/5/2016 15:25:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.661	1.990	185.4	356.0	-7.294	.9483
Stddev	1.391	.820	1.0	1.5	.462	.1912
%RSD	16.06	41.19	.5638	.4134	6.335	20.16
#1	10.17	1.291	186.3	354.3	-6.787	1.020
#2	7.435	1.787	184.3	357.2	-7.404	.7315
#3	8.375	2.892	185.5	356.3	-7.692	1.093

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.854	11.33	8307.	832.3
Stddev	.303	.06	67.	17.0
%RSD	6.237	.5551	.8106	2.046
#1	4.880	11.28	8363.	850.4
#2	5.142	11.32	8232.	829.8
#3	4.538	11.40	8327.	816.6

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	3137.6	37159.	5913.3
Stddev	8.4	280.	62.6
%RSD	.26691	.75218	1.0581
#1	3132.4	36839.	5914.7
#2	3133.2	37287.	5975.1
#3	3147.3	37352.	5850.0

Sample Name: 460-111529-D-8-A@4 Acquired: 4/5/2016 15:29:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	88410.	-1.826	2.119	735.8	4.383	1347.
Stddev	473.	.860	.338	2.6	.157	9.
%RSD	.5348	47.09	15.96	.3491	3.571	.7050
#1	88260.	-1.995	2.434	733.2	4.308	1339.
#2	88030.	-.8937	1.762	735.8	4.563	1358.
#3	88940.	-2.588	2.161	738.3	4.277	1346.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2125	43.61	141.3	55.44	111500.	39700.
Stddev	.1728	.39	.5	.34	228.	99.
%RSD	81.34	.8966	.3466	.6192	.2045	.2498
#1	.1671	43.24	141.0	55.36	111200.	39640.
#2	.0668	43.55	141.9	55.14	111600.	39640.
#3	.4035	44.02	141.2	55.81	111600.	39810.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36730.	1195.	1092.	115.8	47.89	2.082
Stddev	87.	1.	6.	.7	.12	1.442
%RSD	.2380	.0976	.5598	.6293	.2461	69.28
#1	36730.	1194.	1089.	116.1	47.99	3.560
#2	36810.	1196.	1087.	115.0	47.91	2.007
#3	36640.	1196.	1099.	116.4	47.76	.6784

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

Sample Name: 460-111529-D-8-A@4 Acquired: 4/5/2016 15:29:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.236	2.183	180.1	316.9	-5.712	.6938
Stddev	1.743	2.573	.6	1.5	.462	.2834
%RSD	33.28	117.8	.3126	.4575	8.082	40.85
#1	7.248	3.914	179.6	315.8	-5.240	.4038
#2	4.225	-.7732	179.8	316.4	-6.163	.9701
#3	4.235	3.408	180.7	318.6	-5.734	.7073

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.809	13.19	7629.	898.7
Stddev	.802	.09	23.	3.3
%RSD	16.68	.7176	.2998	.3709
#1	4.889	13.12	7642.	898.9
#2	5.569	13.15	7642.	895.4
#3	3.970	13.30	7602.	902.0

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3142.4	37312.	5933.3
Stddev	3.3	117.	18.4
%RSD	.10628	.31285	.30953
#1	3146.0	37180.	5914.6
#2	3141.6	37353.	5951.3
#3	3139.5	37402.	5934.0

Sample Name: CCV Acquired: 4/5/2016 15:37:38 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	114200.	2447.	1134.	9947.	953.1	118800.
Stddev	333.	3.	2.	15.	1.4	106.
%RSD	.2918	.1183	.1527	.1491	.1503	.0891

#1	113900.	2444.	1134.	9939.	954.5	118800.
#2	114600.	2450.	1135.	9939.	953.2	118900.
#3	114200.	2446.	1132.	9965.	951.6	118700.

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.	2426.	4974.	12080.	93510.	46830.
Stddev	1.	2.	5.	18.	348.	106.
%RSD	.1064	.0689	.0983	.1463	.3720	.2267

#1	1229.	2426.	4971.	12060.	93610.	46720.
#2	1229.	2424.	4971.	12070.	93120.	46930.
#3	1231.	2427.	4979.	12100.	93790.	46850.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121100.	4741.	112800.	2507.	7530.	953.5
Stddev	246.	8.	376.	4.	8.	2.2
%RSD	.2027	.1770	.3331	.1703	.1011	.2307

#1	121000.	4745.	112500.	2505.	7530.	954.4
#2	121400.	4747.	113200.	2504.	7523.	955.1
#3	121000.	4731.	112700.	2512.	7538.	951.0

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

Sample Name: CCV Acquired: 4/5/2016 15:37:38 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2489.	2424.	2415.	2398.	999.0	2466.
Stddev	4.	25.	8.	3.	.4	6.
%RSD	.1510	1.050	.3222	.1240	.0397	.2504
#1	2492.	2435.	2415.	2399.	998.6	2461.
#2	2490.	2395.	2408.	2395.	999.4	2464.
#3	2485.	2442.	2424.	2400.	999.0	2473.

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	990.1	4749.	9462.	9510.
Stddev	1.6	9.	88.	62.
%RSD	.1625	.1929	.9272	.6480
#1	991.0	4739.	9361.	9536.
#2	988.2	4756.	9519.	9440.
#3	991.0	4753.	9506.	9554.

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	2842.7	34353.	5524.2
Stddev	13.2	138.	26.2
%RSD	.46294	.40132	.47481
#1	2850.5	34507.	5554.5
#2	2850.1	34309.	5509.3
#3	2827.5	34242.	5508.8

Sample Name: CCVL Acquired: 4/5/2016 15:45:40 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	222.1	14.61	9.354	213.8	2.077	4915.
Stddev	5.6	.41	.469	.4	.020	17.
%RSD	2.518	2.824	5.020	.1719	.9774	.3418

#1	223.8	14.53	9.364	213.4	2.059	4898.
#2	215.9	14.25	8.879	214.0	2.099	4915.
#3	226.7	15.06	9.818	214.1	2.074	4931.

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	4.007	53.04	10.55	22.27	159.5	4779.
Stddev	.079	.03	.22	.17	4.8	34.
%RSD	1.970	.0649	2.080	.7672	3.017	.7108

#1	3.934	53.05	10.75	22.20	154.9	4742.
#2	3.997	53.00	10.59	22.47	164.5	4785.
#3	4.091	53.07	10.32	22.15	159.1	4809.

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	4947.	15.60	4617.	44.08	11.58	18.97
Stddev	18.	.11	41.	.34	.99	.59
%RSD	.3540	.7006	.8986	.7762	8.555	3.110

#1	4944.	15.53	4570.	43.68	10.44	18.39
#2	4966.	15.72	4632.	44.31	12.25	19.57
#3	4932.	15.54	4649.	44.24	12.06	18.95

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

Sample Name: CCVL Acquired: 4/5/2016 15:45:40 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.24	24.00	50.38	31.14	47.75	20.73
Stddev	3.00	1.66	.03	.11	.13	.21
%RSD	17.38	6.910	.0603	.3420	.2677	.9981
#1	20.57	25.50	50.35	31.24	47.75	20.54
#2	16.36	24.28	50.41	31.15	47.88	20.69
#3	14.78	22.22	50.37	31.02	47.62	20.95

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	51.58	20.01	20.48	F -2.360
Stddev	.81	.14	.05	18.06
%RSD	1.565	.7061	.2491	765.3
#1	50.65	19.86	20.52	-20.46
#2	52.07	20.04	20.42	15.66
#3	52.03	20.13	20.50	-2.283

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	3027.7	36345.	5469.8
Stddev	4.9	18.	34.3
%RSD	.16278	.04823	.62779
#1	3027.2	36361.	5430.7
#2	3032.9	36346.	5483.3
#3	3023.1	36326.	5495.2

Sample Name: 460-111461-K-1-B DU Acquired: 4/5/2016 15:58:40 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2375.	3.770	.1411	472.0	.0929	26800.
Stddev	4.	1.197	.7016	2.4	.0207	138.
%RSD	.1753	31.75	497.4	.5072	22.25	.5140

#1	2370.	2.396	.8614	474.0	.1121	26760.
#2	2378.	4.325	-.5403	472.5	.0956	26700.
#3	2376.	4.588	.1021	469.4	.0710	26960.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9012	2.089	6.475	7.189	4989.	266.7
Stddev	.0235	.106	.334	.822	33.	14.7
%RSD	2.607	5.059	5.154	11.44	.6623	5.511

#1	.8754	2.201	6.860	6.417	4951.	283.4
#2	.9213	1.992	6.286	7.097	4999.	255.8
#3	.9070	2.073	6.278	8.054	5015.	260.9

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	10520.	74.41	57.84	2.981	1862.	-.0844
Stddev	37.	.60	6.93	.332	7.	.7538
%RSD	.3535	.8079	11.98	11.15	.3937	893.1

#1	10520.	74.12	52.85	3.364	1870.	-.4722
#2	10480.	74.01	54.91	2.775	1860.	.7844
#3	10550.	75.10	65.75	2.804	1855.	-.5654

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

Sample Name: 460-111461-K-1-B DU Acquired: 4/5/2016 15:58:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.310	1.292	7.430	260.3	-1.927	.1391
Stddev	2.594	.237	.040	.5	.572	.1361
%RSD	78.37	18.33	.5323	.2031	29.70	97.81
#1	-0.9299	1.400	7.458	260.8	-1.270	.2101
#2	-6.075	1.456	7.448	260.2	-2.319	-.0178
#3	-2.925	1.021	7.385	259.8	-2.193	.2250

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.993	36.14	73.68	160.6
Stddev	.682	.15	.30	11.5
%RSD	22.78	.4264	.4019	7.130
#1	2.259	36.18	73.55	166.3
#2	3.606	35.97	73.47	168.2
#3	3.113	36.27	74.02	147.5

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	3126.9	36773.	5694.5
Stddev	35.6	253.	94.9
%RSD	1.1379	.68763	1.6673
#1	3093.4	36620.	5595.2
#2	3123.2	36635.	5704.1
#3	3164.2	37065.	5784.4

Sample Name: 460-111461-K-1-A@40 Acquired: 4/5/2016 16:02:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2404.	3.647	-1.764	468.5	.0923	26890.
Stddev	15.	1.558	.1795	1.4	.0819	116.
%RSD	.6327	42.71	101.8	.3009	88.73	.4310
#1	2415.	2.813	-.0929	469.1	.1842	26760.
#2	2387.	5.444	-.3825	466.9	.0273	26980.
#3	2412.	2.684	-.0539	469.5	.0653	26940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9446	2.009	6.694	8.964	5049.	288.4
Stddev	.0546	.115	.267	.314	18.	13.2
%RSD	5.777	5.699	3.991	3.506	.3613	4.571
#1	.9977	1.887	6.387	8.619	5036.	276.3
#2	.8887	2.114	6.874	9.038	5041.	302.5
#3	.9473	2.028	6.821	9.235	5070.	286.5

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	10500.	75.09	63.29	3.023	1846.	-.0893
Stddev	33.	.54	5.17	.117	4.	1.773
%RSD	.3167	.7163	8.167	3.863	.2292	1984.
#1	10470.	74.58	58.16	2.899	1844.	-1.461
#2	10540.	75.02	63.22	3.130	1843.	-.7198
#3	10500.	75.65	68.49	3.039	1851.	1.912

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

Sample Name: 460-111461-K-1-A@40 Acquired: 4/5/2016 16:02:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.091	-1.464	7.528	261.5	-1.484	.0359
Stddev	1.400	.308	.268	.2	.026	.1621
%RSD	27.50	21.02	3.561	.0929	1.740	451.6
#1	-3.886	-1.387	7.502	261.3	-1.466	.0723
#2	-6.626	-1.803	7.274	261.3	-1.514	-.1413
#3	-4.760	-1.202	7.808	261.7	-1.472	.1766

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.563	36.34	74.30	168.0
Stddev	.852	.13	.41	20.1
%RSD	23.91	.3631	.5488	11.95
#1	4.055	36.22	74.34	175.9
#2	2.579	36.48	73.87	183.0
#3	4.055	36.33	74.68	145.2

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	3123.6	36481.	5667.6
Stddev	7.4	141.	33.5
%RSD	.23808	.38743	.59156
#1	3115.1	36633.	5706.2
#2	3126.9	36353.	5650.6
#3	3128.8	36457.	5645.9

Sample Name: sd 460-111461-K-1-A Acquired: 4/5/2016 16:06:39 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	461.4	2.020	.0878	91.29	-.0126	5280.
Stddev	6.1	2.452	.1459	.29	.0795	58.
%RSD	1.328	121.4	166.1	.3162	628.9	1.108
#1	454.8	4.828	.2563	90.96	-.1016	5273.
#2	467.0	.9309	.0001	91.40	.0514	5225.
#3	462.4	.3011	.0072	91.51	.0122	5341.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1673	.4706	1.012	2.331	984.4	28.75
Stddev	.0234	.1512	.208	.508	4.2	13.69
%RSD	13.98	32.14	20.61	21.80	.4242	47.62
#1	.1510	.3020	.8569	2.355	988.2	17.24
#2	.1568	.5154	.9299	1.811	979.9	43.89
#3	.1941	.5944	1.249	2.826	984.9	25.11

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2044.	14.68	-12.87	.4745	359.8	-.0239
Stddev	16.	.24	1.48	.4851	1.6	.2996
%RSD	.7839	1.665	11.52	102.2	.4359	1254.
#1	2047.	14.75	-12.50	-.0811	359.2	-.3466
#2	2027.	14.41	-11.61	.8143	358.6	.2455
#3	2059.	14.89	-14.51	.6904	361.5	.0294

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

Sample Name: sd 460-111461-K-1-A Acquired: 4/5/2016 16:06:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.674	.4430	1.212	50.90	-3.158	-.0689
Stddev	4.880	1.826	.121	.30	.092	.1892
%RSD	104.4	412.3	9.991	.5869	2.909	274.7
#1	-8.505	2.438	1.158	50.65	-3.200	.0770
#2	.8198	-1.147	1.128	50.82	-3.221	-.0009
#3	-6.338	.0384	1.351	51.23	-3.052	-.2826

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4979	6.840	14.30	43.30
Stddev	.7909	.072	.26	9.86
%RSD	158.8	1.048	1.841	22.78
#1	1.093	6.759	14.42	53.15
#2	.8009	6.863	14.48	33.43
#3	-.3997	6.897	14.00	43.31

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	3147.5	36487.	5516.9
Stddev	5.8	227.	23.2
%RSD	.18348	.62118	.42044
#1	3144.6	36439.	5523.5
#2	3143.7	36734.	5536.2
#3	3154.1	36289.	5491.2

Sample Name: 460-111461-K-1-C MS Acquired: 4/5/2016 16:10:45 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3219.	93.30	2.272	402.7	2.538	22630.
Stddev	205.	4.64	.231	24.6	.115	1396.
%RSD	6.352	4.976	10.15	6.096	4.525	6.167
#1	3008.	87.96	2.042	377.8	2.453	21160.
#2	3233.	95.52	2.270	403.6	2.493	22800.
#3	3416.	96.41	2.503	426.8	2.669	23940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.168	26.68	17.47	19.98	5371.	1145.
Stddev	.136	1.57	1.36	.56	300.	60.
%RSD	4.298	5.894	7.789	2.827	5.593	5.207
#1	3.016	25.15	15.96	19.33	5059.	1080.
#2	3.209	26.61	17.87	20.32	5398.	1157.
#3	3.279	28.29	18.59	20.29	5658.	1197.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9074.	100.4	929.6	29.11	1458.	14.58
Stddev	556.	5.7	57.6	1.52	86.	1.15
%RSD	6.132	5.693	6.192	5.211	5.912	7.896
#1	8478.	94.16	864.4	27.55	1370.	13.61
#2	9164.	101.7	950.8	29.22	1462.	14.29
#3	9580.	105.4	973.5	30.58	1543.	15.85

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

Sample Name: 460-111461-K-1-C MS Acquired: 4/5/2016 16:10:45 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.35	105.1	31.32	225.6	22.45	23.30
Stddev	3.04	5.6	2.03	12.8	1.58	1.47
%RSD	3.401	5.319	6.469	5.659	7.016	6.306
#1	85.89	101.6	29.33	212.5	20.82	21.82
#2	90.55	102.1	31.26	226.4	22.57	23.33
#3	91.59	111.5	33.38	238.0	23.96	24.76

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	30.38	57.09	111.3	243.9
Stddev	1.70	3.44	6.8	13.3
%RSD	5.587	6.028	6.140	5.457
#1	28.74	53.54	104.2	232.2
#2	30.28	57.31	111.8	241.1
#3	32.13	60.41	117.8	258.4

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	3087.3	36114.	5622.1
Stddev	28.3	318.	83.3
%RSD	.91524	.88028	1.4822
#1	3116.8	36472.	5708.0
#2	3084.8	36003.	5616.6
#3	3060.4	35866.	5541.6

Sample Name: LCS 460-360769/2-A Acquired: 4/5/2016 16:26:42 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1930.	1823.	44.24	1947.	47.83	18630.
Stddev	9.	2.	.43	1.	.10	24.
%RSD	.4454	.1307	.9797	.0755	.2043	.1277

#1	1936.	1822.	44.17	1946.	47.88	18610.
#2	1933.	1821.	43.85	1949.	47.72	18660.
#3	1920.	1825.	44.71	1946.	47.89	18620.

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	49.02	490.1	201.5	227.4	979.1	16990.
Stddev	.07	.5	.9	2.1	20.0	28.
%RSD	.1460	.1098	.4550	.9085	2.046	.1651

#1	49.00	489.5	201.2	225.9	958.0	17010.
#2	49.10	490.2	200.8	226.5	981.5	16960.
#3	48.96	490.6	202.5	229.8	997.8	17000.

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	18490.	483.0	17980.	509.0	505.2	455.0
Stddev	34.	1.0	50.	.4	3.1	1.1
%RSD	.1830	.2170	.2808	.0877	.6217	.2493

#1	18530.	482.2	17950.	509.5	505.6	453.7
#2	18480.	482.6	17950.	508.8	508.1	455.9
#3	18470.	484.2	18030.	508.7	501.9	455.3

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

Sample Name: LCS 460-360769/2-A Acquired: 4/5/2016 16:26:42 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1882.	2075.	484.0	493.8	480.2	483.8
Stddev	6.	30.	1.3	.6	2.1	1.6
%RSD	.3134	1.429	.2779	.1166	.4465	.3333

#1	1877.	2044.	483.0	493.7	479.5	482.3
#2	1881.	2079.	483.6	494.4	478.5	483.6
#3	1889.	2103.	485.6	493.2	482.6	485.5

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	498.2	469.3	482.2	85.39
Stddev	2.0	1.1	.7	9.62
%RSD	.3999	.2365	.1517	11.26

#1	496.4	469.2	481.5	95.29
#2	497.9	468.2	482.2	84.78
#3	500.3	470.4	483.0	76.09

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	3019.6	35873.	5479.2
Stddev	6.9	45.	36.0
%RSD	.22743	.12536	.65643

#1	3013.2	35913.	5445.0
#2	3018.8	35824.	5476.0
#3	3026.9	35881.	5516.7

Sample Name: 460-110133-A-12-D Acquired: 4/5/2016 16:34:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2447.	4.471	.0387	37.92	.0099	47680.
Stddev	15.	3.173	.1780	.24	.0261	118.
%RSD	.5929	70.97	460.3	.6396	263.3	.2474
#1	2442.	6.809	.0571	37.64	-.0103	47660.
#2	2464.	5.744	.2067	38.04	.0007	47570.
#3	2436.	.8592	-.1478	38.07	.0394	47810.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0757	.0784	5.207	9.344	143.3	3805.
Stddev	.0235	.1346	.110	.574	3.1	51.
%RSD	31.00	171.7	2.105	6.145	2.190	1.344
#1	-.0542	-.0570	5.116	8.935	143.4	3770.
#2	-.1007	.2123	5.329	9.095	146.4	3863.
#3	-.0722	.0800	5.178	10.00	140.2	3781.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	241.6	3.594	15850.	2.615	8.767	1.308
Stddev	2.7	.019	32.	.273	.803	.599
%RSD	1.122	.5344	.2015	10.45	9.166	45.83
#1	240.0	3.576	15820.	2.770	7.890	1.151
#2	244.7	3.614	15880.	2.300	8.943	1.970
#3	240.1	3.591	15840.	2.776	9.468	.8026

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

Sample Name: 460-110133-A-12-D Acquired: 4/5/2016 16:34:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.131	.4953	40.89	2.993	51.02	3.298
Stddev	.355	1.654	.04	.113	.75	.215
%RSD	11.35	334.0	.1098	3.762	1.479	6.509
#1	-3.284	2.405	40.84	2.883	50.70	3.240
#2	-2.725	-.4853	40.91	3.108	50.48	3.536
#3	-3.384	-.4343	40.93	2.987	51.88	3.119

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4762	355.9	7.599	6525.
Stddev	.6243	.6	.323	85.
%RSD	131.1	.1763	4.251	1.303
#1	-1.094	356.6	7.847	6549.
#2	.1540	355.4	7.716	6596.
#3	-.4881	355.7	7.233	6431.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3023.8	35730.	5566.3
Stddev	10.2	81.	13.7
%RSD	.33708	.22601	.24570
#1	3014.9	35773.	5572.9
#2	3021.6	35780.	5575.3
#3	3034.9	35637.	5550.5

Sample Name: pds 460-111461-K-1-A Acquired: 4/5/2016 16:14:45 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3900.	1765.	41.05	2331.	44.65	42340.
Stddev	230.	96.	2.50	128.	2.78	2066.
%RSD	5.907	5.448	6.096	5.486	6.226	4.881

#1	3684.	1667.	38.33	2201.	41.97	40150.
#2	3873.	1768.	41.56	2335.	44.45	42600.
#3	4142.	1859.	43.25	2456.	47.52	44260.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.78	469.0	195.7	221.9	5548.	15870.
Stddev	2.46	25.6	11.4	14.7	316.	843.
%RSD	5.159	5.451	5.823	6.607	5.693	5.309

#1	45.18	442.9	183.9	206.7	5220.	15050.
#2	48.10	470.1	196.6	222.9	5575.	15840.
#3	50.08	494.0	206.7	236.0	5850.	16730.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27300.	511.8	16310.	493.3	2276.	430.7
Stddev	1377.	23.4	869.	27.3	119.	22.9
%RSD	5.043	4.564	5.325	5.529	5.242	5.316

#1	25830.	486.7	15470.	465.7	2154.	408.5
#2	27500.	515.8	16260.	494.0	2280.	429.2
#3	28560.	532.9	17210.	520.2	2393.	454.2

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

Sample Name: pds 460-111461-K-1-A Acquired: 4/5/2016 16:14:45 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1844.	1938.	460.7	720.0	475.2	465.4
Stddev	102.	99.	29.3	40.5	28.1	27.0
%RSD	5.543	5.087	6.364	5.621	5.902	5.805
#1	1741.	1836.	431.3	679.0	446.6	437.9
#2	1846.	1944.	460.8	721.1	476.3	466.5
#3	1946.	2033.	490.0	759.9	502.7	491.9

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	482.1	462.3	515.5	187.2
Stddev	27.8	24.1	30.3	10.1
%RSD	5.765	5.202	5.877	5.380
#1	453.6	438.8	484.5	176.1
#2	483.8	461.3	516.8	195.8
#3	509.1	486.9	545.1	189.6

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	2956.6	35433.	5422.7
Stddev	14.9	180.	35.3
%RSD	.50336	.50677	.65061
#1	2972.3	35490.	5436.2
#2	2954.7	35232.	5449.2
#3	2942.8	35578.	5382.6

Sample Name: 460-111531-F-1-A@4 Acquired: 4/5/2016 16:18:33 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31340.	27.09	33.47	1027.	3.279	21140.
Stddev	196.	2.00	.14	3.	.127	47.
%RSD	.6256	7.370	.4281	.2468	3.859	.2237
#1	31110.	25.18	33.32	1030.	3.202	21090.
#2	31410.	29.16	33.51	1025.	3.425	21180.
#3	31480.	26.93	33.59	1025.	3.211	21160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.388	21.04	72.06	318.0	60500.	2444.
Stddev	.086	.33	.39	.9	289.	18.
%RSD	2.537	1.577	.5427	.2930	.4784	.7554
#1	3.363	20.65	72.28	316.9	60170.	2465.
#2	3.318	21.24	72.30	318.3	60710.	2429.
#3	3.484	21.22	71.61	318.7	60620.	2439.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7335.	1042.	1758.	52.83	4139.	4.610
Stddev	20.	3.	15.	.27	13.	.683
%RSD	.2753	.2524	.8427	.5040	.3033	14.81
#1	7312.	1039.	1741.	53.10	4153.	5.128
#2	7344.	1044.	1763.	52.56	4138.	3.836
#3	7349.	1043.	1769.	52.84	4128.	4.867

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

Sample Name: 460-111531-F-1-A@4 Acquired: 4/5/2016 16:18:33 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.355	-7428	96.51	1436.	8.601	3.472
Stddev	.516	2.273	.43	1.	.269	.124
%RSD	38.07	306.0	.4445	.1018	3.123	3.561
#1	-1.539	-3.348	96.02	1434.	8.778	3.573
#2	-1.754	.2863	96.79	1436.	8.291	3.509
#3	-.7727	.8333	96.73	1437.	8.732	3.334

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	178.2	162.5	657.1	1051.
Stddev	2.1	.4	2.0	13.
%RSD	1.192	.2614	.3032	1.194
#1	180.6	162.1	655.2	1048.
#2	176.9	162.7	657.1	1064.
#3	177.0	162.9	659.2	1039.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3106.7	37621.	5753.0
Stddev	13.7	128.	23.4
%RSD	.44012	.34012	.40722
#1	3097.9	37628.	5751.8
#2	3099.7	37490.	5730.2
#3	3122.4	37746.	5777.0

Sample Name: MB 460-360769/1-A Acquired: 4/5/2016 16:22:31 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.680	1.990	.3819	.0100	.0378	-7.628
Stddev	6.281	.845	.1172	.0598	.0602	2.924
%RSD	170.7	42.46	30.69	597.5	159.2	38.34

#1	-2.439	2.640	.2524	-.0269	.0987	-4.488
#2	-10.49	1.035	.4126	.0790	-.0217	-8.122
#3	1.888	2.295	.4806	-.0221	.0364	-10.27

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0018	.0284	-.4218	-2.871	-7.099	-35.21
Stddev	.0181	.1685	.3088	.479	9.756	11.43
%RSD	1001.	594.3	73.21	16.69	137.4	32.46

#1	.0106	-.0995	-.1171	-3.385	-2.298	-40.41
#2	-.0225	.2193	-.7345	-2.437	-18.32	-43.12
#3	.0065	-.0347	-.4137	-2.790	-.6733	-22.11

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.002	-.0230	-34.80	-.0176	.2433	.1959
Stddev	1.068	.0621	3.93	.2920	.8660	.3976
%RSD	106.5	270.2	11.28	1663.	356.0	202.9

#1	-.0083	-.0937	-30.51	-.2372	-.5973	-.1253
#2	-2.131	.0024	-38.22	.3138	.1945	.0724
#3	-.8679	.0224	-35.67	-.1293	1.133	.6407

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

Sample Name: MB 460-360769/1-A Acquired: 4/5/2016 16:22:31 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.001	.9288	-.0337	.6108	-3.445	-.0006
Stddev	.590	1.778	.1844	.0278	.508	.0663
%RSD	11.79	191.5	546.8	4.553	14.74	11090.
#1	-4.538	-1.033	-.1764	.6161	-3.612	.0730
#2	-5.665	2.436	.1745	.5807	-2.875	-.0191
#3	-4.800	1.384	-.0993	.6355	-3.848	-.0557

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1487	-.0557	-.0312	10.04
Stddev	.3510	.0732	.1481	7.36
%RSD	236.2	131.5	474.4	73.27
#1	.0032	.0073	.0069	6.827
#2	.1009	-.1360	.0941	18.45
#3	-.5501	-.0383	-.1946	4.833

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	3075.1	37138.	5463.4
Stddev	13.6	208.	32.2
%RSD	.44299	.56027	.58990
#1	3090.0	37341.	5428.4
#2	3072.2	37147.	5491.8
#3	3063.3	36925.	5470.0

Sample Name: 460-110133-A-12-E DU Acquired: 4/5/2016 16:30:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2440.	5.775	.1090	37.81	.0182	47090.
Stddev	23.	1.812	.0983	.21	.1237	172.
%RSD	.9344	31.37	90.24	.5613	679.5	.3660
#1	2448.	3.722	-.0012	37.72	-.1236	47200.
#2	2458.	6.458	.1405	37.66	.1035	46890.
#3	2415.	7.146	.1877	38.05	.0747	47180.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0296	-.0377	5.537	9.265	138.5	3808.
Stddev	.0636	.1126	.084	.112	5.2	13.
%RSD	214.9	298.4	1.508	1.211	3.762	.3296
#1	.0429	-.0683	5.575	9.377	142.1	3812.
#2	-.0761	-.1318	5.442	9.152	132.5	3818.
#3	-.0555	.0870	5.596	9.267	140.8	3794.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	242.7	3.495	15750.	2.036	7.672	1.835
Stddev	1.4	.056	135.	.377	.458	.596
%RSD	.5684	1.612	.8571	18.53	5.971	32.45
#1	244.3	3.559	15840.	1.687	7.146	1.948
#2	241.6	3.452	15810.	2.436	7.981	2.367
#3	242.3	3.475	15590.	1.985	7.889	1.192

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

Sample Name: 460-110133-A-12-E DU Acquired: 4/5/2016 16:30:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.841	.6638	40.70	3.160	51.02	3.158
Stddev	.418	1.902	.27	.018	.41	.171
%RSD	14.71	286.5	.6752	.5800	.7987	5.417

#1	-2.498	1.620	40.98	3.181	51.39	3.037
#2	-2.718	-1.526	40.69	3.150	51.09	3.354
#3	-3.306	1.898	40.43	3.149	50.59	3.084

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.841	353.0	7.953	6580.
Stddev	.3577	3.5	.408	43.
%RSD	125.9	.9939	5.127	.6601

#1	-.5753	355.8	7.744	6549.
#2	.1152	354.2	8.423	6630.
#3	-.3921	349.1	7.693	6561.

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

Int. Std.	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	36171.	5689.8
Stddev	5.2	109.	27.5
%RSD	.17208	.30023	.48383

#1	3045.8	36126.	5662.6
#2	3039.4	36294.	5689.0
#3	3035.4	36091.	5717.7

Sample Name: CCV Acquired: 4/5/2016 16:38:43 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116300.	2443.	1160.	9853.	957.9	121100.
Stddev	345.	7.	1.	5.	2.6	182.
%RSD	.2968	.3043	.0438	.0519	.2745	.1499

#1	116600.	2451.	1160.	9856.	955.6	121200.
#2	115900.	2440.	1160.	9857.	957.3	121300.
#3	116400.	2437.	1161.	9847.	960.7	120900.

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	1228.	2430.	4953.	12010.	95860.	47290.
Stddev	1.	3.	18.	25.	367.	71.
%RSD	.1071	.1239	.3629	.2043	.3833	.1510

#1	1227.	2427.	4953.	12000.	95560.	47370.
#2	1228.	2431.	4971.	12040.	96270.	47280.
#3	1230.	2433.	4935.	12000.	95750.	47220.

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	122500.	4866.	115700.	2476.	7459.	956.2
Stddev	325.	9.	381.	1.	9.	2.7
%RSD	.2652	.1887	.3294	.0455	.1273	.2808

#1	122800.	4873.	115800.	2476.	7470.	953.3
#2	122600.	4870.	115300.	2477.	7456.	957.0
#3	122100.	4856.	116000.	2475.	7451.	958.5

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

Sample Name: CCV Acquired: 4/5/2016 16:38:43 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2472.	2442.	2413.	2428.	985.4	2444.
Stddev	8.	10.	9.	9.	2.7	3.
%RSD	.3427	.4269	.3740	.3632	.2768	.1130

#1	2476.	2435.	2408.	2421.	984.4	2443.
#2	2478.	2454.	2423.	2425.	988.5	2447.
#3	2462.	2437.	2408.	2438.	983.3	2442.

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	986.2	4838.	9610.	9301.
Stddev	1.7	15.	46.	121.
%RSD	.1674	.3158	.4833	1.297

#1	986.8	4855.	9601.	9170.
#2	987.4	4826.	9569.	9408.
#3	984.3	4831.	9660.	9324.

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	2869.4	33927.	5513.3
Stddev	3.9	39.	51.9
%RSD	.13491	.11352	.94123

#1	2872.5	33898.	5487.2
#2	2870.6	33913.	5573.1
#3	2865.0	33971.	5479.7

Sample Name: CCB Acquired: 4/5/2016 16:42:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.081	2.136	.2393	.2053	.0008	6.467
Stddev	4.535	.659	.4196	.0774	.0176	19.76
%RSD	111.1	30.87	175.4	37.69	2172.	305.6
#1	-.1204	2.640	.6982	.2943	.0133	29.29
#2	3.476	2.378	.1443	.1539	.0084	-5.079
#3	8.889	1.390	-.1247	.1678	-.0193	-4.810

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0008	.1728	.5991	1.492	7.283	-2.339
Stddev	.1166	.0839	.9679	1.982	16.06	14.52
%RSD	14380.	48.53	161.6	132.8	220.5	620.6
#1	-.1239	.1224	1.712	3.755	25.62	14.41
#2	.0136	.1264	.1305	.0642	.4883	-11.21
#3	.1079	.2696	-.0454	.6571	-4.262	-10.22

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	18.18	.6711	-18.56	-.4030	.3976	.8901
Stddev	19.25	.9413	2.79	.4713	.3047	.7039
%RSD	105.9	140.3	15.05	116.9	76.64	79.08
#1	40.08	1.757	-21.71	-.5145	.7493	.6398
#2	10.52	.1719	-16.37	.1141	.2330	1.685
#3	3.937	.0845	-17.60	-.8086	.2106	.3455

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

Sample Name: CCB Acquired: 4/5/2016 16:42:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.565	.1557	.2405	.1809	-2.058	1.100
Stddev	2.021	.1359	.4851	.1529	.311	.525
%RSD	78.79	87.29	201.7	84.55	15.13	47.77
#1	-5061	-0006	.7976	.0576	-1.823	1.679
#2	-4.545	.2212	-.0881	.3521	-1.940	.9647
#3	-2.643	.2463	.0120	.1330	-2.411	.6551

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-8518	.1528	1.299	-6.462
Stddev	.3047	.1002	1.761	8.064
%RSD	35.77	65.56	135.6	124.8
#1	-1.157	.2013	3.326	-15.46
#2	-.8512	.0376	.4213	-4.038
#3	-.5474	.2196	.1491	.1132

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	3125.8	36663.	5596.8
Stddev	12.9	181.	40.7
%RSD	.41321	.49331	.72690
#1	3114.7	36865.	5604.6
#2	3122.8	36608.	5552.8
#3	3140.0	36515.	5633.1

Sample Name: CCVL Acquired: 4/5/2016 16:46:46 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {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	15.86	9.407	207.9	1.987	4945.
Stddev	8.9	2.27	.104	.5	.098	47.
%RSD	4.172	14.33	1.110	.2397	4.912	.9415

#1	202.8	16.78	9.363	207.4	1.929	4989.
#2	220.1	13.27	9.332	207.9	1.933	4951.
#3	214.7	17.52	9.526	208.4	2.100	4896.

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	4.066	52.43	10.26	24.78	162.6	4719.
Stddev	.102	.16	.20	1.10	2.9	33.
%RSD	2.514	.3017	1.943	4.429	1.808	.6961

#1	4.052	52.26	10.05	25.70	165.8	4691.
#2	3.972	52.58	10.44	25.07	160.0	4755.
#3	4.175	52.44	10.29	23.56	162.0	4710.

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	4945.	15.84	4710.	43.11	12.17	18.86
Stddev	32.	.21	15.	.13	1.52	1.04
%RSD	.6544	1.320	.3215	.3065	12.49	5.540

#1	4982.	16.04	4695.	43.10	13.51	19.48
#2	4932.	15.86	4725.	43.24	12.46	19.45
#3	4921.	15.62	4710.	42.98	10.52	17.66

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

Sample Name: CCVL Acquired: 4/5/2016 16:46:46 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.45	22.75	49.85	31.00	46.81	19.94
Stddev	.50	2.04	.44	.15	.61	.14
%RSD	2.862	8.958	.8854	.4698	1.314	.7090

#1	17.83	23.03	49.54	31.03	46.42	19.81
#2	17.64	20.58	49.65	31.13	46.48	19.91
#3	16.89	24.63	50.35	30.85	47.52	20.09

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	50.08	20.20	20.43	F 17.85
Stddev	.99	.12	.17	16.18
%RSD	1.968	.5744	.8280	90.67

#1	50.07	20.20	20.24	12.50
#2	49.11	20.31	20.49	36.03
#3	51.08	20.08	20.57	5.020

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	3111.1	36583.	5626.9
Stddev	4.8	232.	69.0
%RSD	.15381	.63303	1.2256

#1	3108.0	36327.	5693.6
#2	3116.6	36642.	5555.8
#3	3108.6	36779.	5631.4

Sample Name: sd 460-110133-A-12-D Acquired: 4/5/2016 16:52:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	481.4	3.133	.0804	7.246	.1455	9011.
Stddev	6.3	1.347	.0422	.064	.0882	25.
%RSD	1.305	42.99	52.45	.8780	60.58	.2813

#1	480.0	3.813	.0819	7.268	.0935	8984.
#2	488.3	4.004	.0375	7.296	.2473	9035.
#3	476.0	1.581	.1219	7.174	.0958	9015.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0663	-.0666	1.149	.4415	23.87	731.0
Stddev	.0445	.2486	.486	.1690	7.72	18.3
%RSD	67.21	373.2	42.30	38.29	32.34	2.507

#1	-.0419	.2205	.8640	.3110	18.38	712.5
#2	-.1177	-.2078	1.711	.3810	32.70	731.3
#3	-.0392	-.2126	.8735	.6324	20.54	749.1

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	48.51	.7101	2996.	.4984	2.678	.1135
Stddev	1.57	.0142	27.	.3696	.347	1.412
%RSD	3.234	2.003	.8879	74.16	12.96	1244.

#1	50.32	.7177	3019.	.2358	2.320	-1.196
#2	47.64	.6937	3002.	.3385	2.702	-.0728
#3	47.57	.7190	2967.	.9211	3.013	1.609

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

Sample Name: sd 460-110133-A-12-D Acquired: 4/5/2016 16:52:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.231	.5917	7.624	.8430	7.381	.5521
Stddev	1.968	1.585	.363	.1256	.158	.1014
%RSD	88.20	267.8	4.758	14.90	2.139	18.37
#1	-1.439	-1.192	7.865	.9374	7.563	.4369
#2	-4.472	1.837	7.207	.8911	7.278	.6279
#3	-.7830	1.130	7.800	.7004	7.302	.5916

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2284	69.01	1.755	1232.
Stddev	.9306	.28	.054	19.
%RSD	407.5	.4055	3.085	1.523
#1	-.0317	68.96	1.759	1214.
#2	.5882	69.32	1.808	1251.
#3	-1.242	68.77	1.699	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	3070.3	36651.	5569.4
Stddev	7.2	148.	45.0
%RSD	.23344	.40265	.80752
#1	3071.6	36752.	5538.7
#2	3062.6	36481.	5548.5
#3	3076.8	36719.	5621.0

Sample Name: pds 460-110133-A-12- Acquired: 4/5/2016 17:00:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4433.	2011.	48.36	2136.	52.27	66380.
Stddev	8.	16.	.64	10.	.11	320.
%RSD	.1881	.8198	1.313	.4836	.2063	.4819
#1	4427.	1992.	48.86	2124.	52.36	66260.
#2	4430.	2022.	47.65	2140.	52.15	66130.
#3	4443.	2020.	48.59	2144.	52.30	66740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.59	526.6	221.3	259.9	1183.	22350.
Stddev	.37	2.3	.7	1.0	5.	76.
%RSD	.7117	.4338	.3180	.3861	.4187	.3416
#1	52.15	524.1	221.2	260.7	1177.	22300.
#2	52.79	527.3	222.1	260.1	1184.	22300.
#3	52.81	528.5	220.7	258.8	1187.	22430.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20090.	521.2	35250.	544.9	549.6	496.8
Stddev	91.	2.9	65.	2.8	2.4	3.2
%RSD	.4532	.5492	.1857	.5163	.4433	.6486
#1	20020.	520.1	35230.	541.7	547.3	493.8
#2	20070.	519.1	35200.	546.9	549.4	496.4
#3	20190.	524.5	35330.	546.2	552.1	500.2

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

Sample Name: pds 460-110133-A-12- Acquired: 4/5/2016 17:00:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2076.	2205.	565.5	533.6	582.7	527.7
Stddev	15.	27.	2.3	2.2	2.1	3.0
%RSD	.7211	1.230	.4152	.4058	.3627	.5634
#1	2059.	2174.	563.6	531.1	580.5	524.2
#2	2088.	2223.	564.9	534.9	582.9	529.0
#3	2080.	2218.	568.2	534.7	584.7	529.7

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	539.5	858.5	528.5	6540.
Stddev	2.6	4.9	1.4	69.
%RSD	.4753	.5703	.2643	1.062
#1	537.2	856.0	529.6	6462.
#2	542.3	855.3	526.9	6594.
#3	539.0	864.1	529.1	6565.

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

Int. Std.	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	35463.	5492.8
Stddev	7.1	17.	37.4
%RSD	.23639	.04657	.68174
#1	2992.6	35456.	5453.1
#2	2981.9	35452.	5497.9
#3	2995.3	35482.	5527.5

Sample Name: 460-110133-A-12-F MS Acquired: 4/5/2016 16:56:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4327.	1853.	44.49	1980.	48.08	65430.
Stddev	22.	11.	.42	8.	.18	199.
%RSD	.4992	.5840	.9437	.4086	.3796	.3035
#1	4306.	1864.	44.41	1988.	48.28	65350.
#2	4325.	1842.	44.94	1972.	48.03	65660.
#3	4349.	1852.	44.11	1979.	47.92	65280.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.54	486.2	205.6	241.3	1110.	20920.
Stddev	.23	1.4	1.3	1.5	10.	70.
%RSD	.4687	.2956	.6100	.6250	.8560	.3325
#1	48.72	487.4	206.2	241.7	1111.	20900.
#2	48.28	484.6	206.6	242.5	1119.	20990.
#3	48.61	486.7	204.2	239.6	1100.	20860.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18600.	483.4	34000.	504.1	508.0	462.5
Stddev	47.	1.9	51.	2.3	3.3	3.0
%RSD	.2522	.3869	.1506	.4594	.6575	.6541
#1	18660.	483.4	33940.	506.8	511.2	466.0
#2	18580.	485.2	34020.	503.2	504.5	461.0
#3	18570.	481.5	34040.	502.4	508.2	460.5

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

Sample Name: 460-110133-A-12-F MS Acquired: 4/5/2016 16:56:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1905.	2035.	525.0	492.0	539.7	488.1
Stddev	13.	29.	3.0	.8	1.7	2.7
%RSD	.6733	1.448	.5807	.1636	.3164	.5455
#1	1919.	2067.	524.5	492.6	541.2	491.1
#2	1900.	2009.	528.3	491.1	537.8	486.2
#3	1895.	2028.	522.3	492.3	540.1	486.9

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	496.6	823.9	489.6	6666.
Stddev	1.8	2.0	1.0	89.
%RSD	.3716	.2480	.1958	1.337
#1	498.6	824.2	488.5	6639.
#2	495.0	825.7	490.3	6594.
#3	496.2	821.7	489.9	6765.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2962.0	35148.	5485.4
Stddev	6.8	180.	25.0
%RSD	.22822	.51068	.45490
#1	2956.5	35330.	5510.2
#2	2969.6	34971.	5485.5
#3	2960.0	35144.	5460.3

Sample Name: 460-110030-A-12-D Acquired: 4/5/2016 17:04:08 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2435.	6.046	.2388	32.69	.0737	21390.
Stddev	7.	1.676	.3411	.27	.0289	152.
%RSD	.2703	27.71	142.8	.8380	39.19	.7122

#1	2428.	4.116	.3543	32.74	.0676	21290.
#2	2441.	7.127	.5073	32.40	.0484	21570.
#3	2434.	6.895	-.1451	32.94	.1052	21320.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0889	1.152	5.579	11.99	2222.	997.2
Stddev	.0821	.105	.252	.65	24.	8.0
%RSD	92.35	9.079	4.516	5.406	1.091	.7990

#1	.0456	1.231	5.640	11.75	2217.	988.6
#2	.0375	1.192	5.795	12.72	2249.	998.6
#3	.1836	1.033	5.302	11.49	2202.	1004.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1277.	49.79	15840.	3.439	26.49	2.441
Stddev	14.	.46	31.	.289	.59	1.074
%RSD	1.118	.9232	.1940	8.407	2.240	44.01

#1	1270.	49.60	15840.	3.644	26.95	2.731
#2	1293.	50.31	15860.	3.108	26.70	1.251
#3	1267.	49.45	15800.	3.565	25.82	3.340

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

Sample Name: 460-110030-A-12-D Acquired: 4/5/2016 17:04:08 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.944	.8978	14.17	33.33	90.84	2.260
Stddev	.636	1.804	.42	.17	.48	.158
%RSD	21.59	201.0	2.961	.5136	.5321	6.995

#1	-3.613	2.282	14.64	33.32	90.31	2.422
#2	-2.871	-1.143	14.03	33.17	90.93	2.251
#3	-2.348	1.553	13.84	33.51	91.27	2.106

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6792	93.41	83.50	5305.
Stddev	.2464	.45	2.19	16.
%RSD	36.28	.4764	2.620	.3100

#1	.9332	93.06	82.51	5294.
#2	.6629	93.25	81.99	5324.
#3	.4413	93.91	86.01	5298.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3068.6	36094.	5654.7
Stddev	8.9	226.	36.5
%RSD	.28845	.62487	.64491

#1	3077.9	36320.	5680.3
#2	3067.5	35869.	5670.8
#3	3060.3	36092.	5612.9

Sample Name: 460-110133-A-14-E Acquired: 4/5/2016 17:08:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2902.	7.090	.3427	50.18	.0175	25960.
Stddev	31.	.506	.2937	.07	.1090	59.
%RSD	1.056	7.136	85.71	.1450	621.4	.2257
#1	2867.	6.519	.6142	50.26	.0082	26030.
#2	2922.	7.272	.3829	50.14	.1309	25920.
#3	2919.	7.480	.0309	50.13	-.0865	25930.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0004	1.004	4.669	9.482	1642.	1382.
Stddev	.0999	.127	.160	.254	14.	17.
%RSD	22960.	12.62	3.415	2.678	.8246	1.199
#1	-.0732	.9361	4.511	9.749	1658.	1372.
#2	-.0415	1.150	4.830	9.245	1635.	1373.
#3	.1134	.9256	4.667	9.451	1633.	1401.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	753.1	37.99	12200.	3.340	24.30	1.907
Stddev	5.6	.35	38.	.317	1.50	2.129
%RSD	.7397	.9115	.3123	9.504	6.166	111.6
#1	757.9	38.28	12170.	3.681	22.60	2.249
#2	747.0	37.61	12180.	3.287	24.89	-.3722
#3	754.3	38.09	12240.	3.053	25.41	3.844

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

Sample Name: 460-110133-A-14-E Acquired: 4/5/2016 17:08:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.455	1.454	24.73	30.51	53.71	2.149
Stddev	1.020	.331	.10	.03	.51	.264
%RSD	70.08	22.74	.4170	.1097	.9477	12.28
#1	-.3814	1.514	24.85	30.54	54.30	2.237
#2	-2.411	1.098	24.66	30.52	53.48	1.853
#3	-1.574	1.751	24.69	30.47	53.37	2.358

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8372	134.3	57.13	5249.
Stddev	.4592	.2	1.80	27.
%RSD	54.84	.1815	3.160	.5121
#1	.3230	134.2	55.45	5222.
#2	1.206	134.1	59.04	5276.
#3	.9826	134.6	56.89	5249.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3076.5	36327.	5618.6
Stddev	15.5	220.	51.1
%RSD	.50229	.60424	.90980
#1	3060.1	36080.	5584.3
#2	3078.4	36399.	5594.0
#3	3090.8	36501.	5677.3

Sample Name: 460-111308-A-2-B@5 Acquired: 4/5/2016 17:28:46 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	470.0	3.763	-.2900	76.29	-.0056	F 265800.
Stddev	31.0	.934	.0856	.13	.0618	475.
%RSD	6.597	24.80	29.53	.1738	1102.	.1789
#1	445.0	2.759	-.3781	76.43	.0495	265700.
#2	460.4	4.604	-.2848	76.25	.0061	266300.
#3	504.7	3.927	-.2070	76.18	-.0724	265300.
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	8.891	1.174	-2.078	6.095	111.7	4205.
Stddev	.071	.192	.237	.713	2.4	11.
%RSD	.8042	16.35	11.42	11.69	2.148	.2632
#1	8.972	1.006	-2.318	6.614	110.0	4201.
#2	8.838	1.383	-2.072	5.283	110.7	4196.
#3	8.864	1.132	-1.843	6.390	114.5	4217.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8386.	3.488	F 285600.	14.23	1557.	3.289
Stddev	17.	.056	2829.	.49	4.	.109
%RSD	.2057	1.601	.9906	3.455	.2821	3.299
#1	8402.	3.542	282300.	13.83	1561.	3.164
#2	8368.	3.430	287400.	14.78	1552.	3.360
#3	8388.	3.492	287100.	14.08	1556.	3.344
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111308-A-2-B@5 Acquired: 4/5/2016 17:28:46 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .9411	.3740	.1769	2.264	189.4	.3136
Stddev	4.178	1.437	.0571	.118	.8	.2352
%RSD	443.9	384.4	32.28	5.220	.4467	75.00
#1	-5.707	1.021	.2428	2.129	190.1	.4656
#2	2.087	1.374	.1416	2.344	188.5	.0427
#3	.7965	-1.273	.1464	2.320	189.5	.4326

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.659	513.7	4.606	1822.
Stddev	.946	1.9	.158	19.
%RSD	35.57	.3633	3.429	1.027
#1	2.321	512.0	4.550	1818.
#2	3.727	513.3	4.484	1805.
#3	1.928	515.7	4.784	1842.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2932.7	33833.	5684.1
Stddev	5.5	104.	30.5
%RSD	.18665	.30839	.53598
#1	2936.8	33740.	5708.9
#2	2934.7	33812.	5693.2
#3	2926.5	33946.	5650.1

Sample Name: CCV Acquired: 4/5/2016 17:33:00 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119600.	2385.	1185.	9632.	959.2	120900.
Stddev	27.	9.	5.	9.	3.7	586.
%RSD	.0227	.3578	.4336	.0934	.3905	.4851

#1	119600.	2388.	1191.	9636.	961.3	121500.
#2	119500.	2391.	1184.	9622.	961.5	120300.
#3	119600.	2375.	1181.	9638.	954.9	120800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1205.	2408.	4795.	11800.	97830.	47710.
Stddev	2.	7.	18.	19.	363.	43.
%RSD	.1868	.2739	.3806	.1615	.3706	.0904

#1	1208.	2415.	4806.	11820.	98200.	47700.
#2	1203.	2404.	4774.	11780.	97800.	47670.
#3	1204.	2404.	4805.	11790.	97470.	47760.

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	120100.	4905.	120500.	2403.	7209.	947.0
Stddev	683.	25.	124.	3.	5.	2.0
%RSD	.5690	.5027	.1030	.1234	.0665	.2145

#1	120700.	4932.	120600.	2406.	7212.	949.0
#2	119400.	4884.	120400.	2401.	7211.	944.9
#3	120100.	4897.	120500.	2401.	7204.	947.2

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

Sample Name: CCV Acquired: 4/5/2016 17:33:00 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2390.	2449.	2384.	2433.	951.5	2395.
Stddev	4.	16.	4.	14.	1.5	2.
%RSD	.1552	.6541	.1778	.5827	.1604	.0710

#1	2390.	2448.	2389.	2449.	950.6	2393.
#2	2393.	2465.	2382.	2428.	950.7	2396.
#3	2386.	2433.	2381.	2422.	953.3	2396.

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	965.1	4902.	9769.	9099.
Stddev	3.2	11.	41.	42.
%RSD	.3366	.2228	.4235	.4656

#1	968.3	4914.	9817.	9142.
#2	965.1	4894.	9742.	9098.
#3	961.8	4896.	9749.	9057.

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	2892.5	33648.	5444.3
Stddev	7.3	148.	14.1
%RSD	.25368	.44029	.25875

#1	2884.0	33478.	5458.9
#2	2897.0	33717.	5443.1
#3	2896.4	33749.	5430.8

Sample Name: LB 460-360405/1-C Acquired: 4/5/2016 17:12:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.005	.0314	-.0032	.0144	.0108	2.827
Stddev	6.790	.8730	.1291	.0460	.0430	5.190
%RSD	84.83	2783.	4073.	319.3	397.7	183.6
#1	15.36	.0718	-.1436	-.0385	.0362	-.2524
#2	1.976	.8834	.0237	.0367	.0351	-.0855
#3	6.678	-.8612	.1104	.0451	-.0388	8.819

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0018	.1576	.1833	1.049	-2.585	217.0
Stddev	.0546	.0289	.1619	.924	5.392	4.1
%RSD	3052.	18.35	88.31	88.02	208.6	1.873
#1	-.0624	.1861	.3612	.2045	-7.941	221.6
#2	.0435	.1582	.1441	.9079	2.843	215.1
#3	.0135	.1283	.0447	2.035	-2.656	214.2

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	1.446	.0424	9.194	-.1333	-.0491	.2219
Stddev	5.080	.0159	2.216	.2313	.7176	.2645
%RSD	351.4	37.43	24.10	173.4	1462.	119.2
#1	-1.649	.0483	9.240	-.2792	.2496	.0539
#2	-1.322	.0244	6.956	.1333	-.8678	.0851
#3	7.309	.0544	11.39	-.2542	.4710	.5268

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

Sample Name: LB 460-360405/1-C Acquired: 4/5/2016 17:12:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.311	.3290	-.0866	1.568	1.365	.1991
Stddev	4.811	.4090	.3779	.244	.304	.0627
%RSD	145.3	124.3	436.3	15.54	22.31	31.48
#1	.8309	.8010	-.5045	1.619	1.650	.2616
#2	-2.177	.1070	.0136	1.303	1.044	.1363
#3	-8.588	.0790	.2311	1.783	1.402	.1994

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.032	.0033	.0743	47.43
Stddev	.343	.0791	.0102	3.37
%RSD	33.24	2412.	13.71	7.099
#1	-1.275	-.0766	.0745	43.70
#2	-.6396	.0049	.0640	48.37
#3	-1.180	.0816	.0844	50.23

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

Int. Std.	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	37469.	5819.0
Stddev	9.6	232.	25.4
%RSD	.30166	.61867	.43626
#1	3172.0	37721.	5808.0
#2	3185.4	37423.	5801.1
#3	3190.6	37265.	5848.1

Sample Name: sd 460-111308-A-2-B Acquired: 4/5/2016 17:45:12 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	113.1	1.383	-.1304	14.91	-.0495	50090.
Stddev	9.1	.936	.0840	.07	.0656	271.
%RSD	8.044	67.69	64.41	.4710	132.5	.5416

#1	123.4	.5561	-.1694	14.93	.0030	49920.
#2	106.2	1.193	-.0340	14.98	-.0285	50410.
#3	109.7	2.399	-.1879	14.84	-.1231	49950.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.644	.1330	-.9725	.2574	25.71	788.8
Stddev	.039	.3042	.4101	.3690	9.80	27.9
%RSD	2.386	228.7	42.16	143.3	38.15	3.540

#1	1.678	.3204	-1.395	.5712	24.88	805.1
#2	1.653	-.2180	-.5766	.3501	16.34	804.7
#3	1.601	.2966	-.9456	-.1491	35.90	756.5

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	1629.	.6684	56050.	3.335	313.0	.9183
Stddev	13.	.0618	219.	.359	2.2	.3417
%RSD	.7818	9.253	.3899	10.77	.7164	37.21

#1	1620.	.6740	56280.	2.965	311.5	1.259
#2	1643.	.7272	56030.	3.682	315.6	.5761
#3	1624.	.6039	55840.	3.359	311.9	.9194

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

Sample Name: sd 460-111308-A-2-B Acquired: 4/5/2016 17:45:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.656	.5228	-.1924	.6589	34.26	.0272
Stddev	1.531	.4300	.1525	.0936	.26	.2443
%RSD	57.64	82.25	79.26	14.20	.7503	896.8
#1	-2.967	1.012	-.1027	.5526	34.55	.2011
#2	-.9939	.3498	-.1061	.6953	34.17	.1327
#3	-4.009	.2063	-.3685	.7288	34.05	-.2520

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4637	100.4	2.341	342.4
Stddev	.2871	.2	.381	14.8
%RSD	61.91	.1530	16.26	4.335
#1	-.1686	100.4	2.725	344.7
#2	-.7421	100.2	2.334	355.9
#3	-.4803	100.5	1.964	326.5

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	2981.8	35016.	5341.0
Stddev	8.9	262.	86.2
%RSD	.29909	.74717	1.6134
#1	2988.7	35116.	5437.4
#2	2971.7	34719.	5271.6
#3	2985.1	35213.	5313.8

Sample Name: MB 460-360778/1-A Acquired: 4/5/2016 17:16:30 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.630	1.516	.0746	-.1125	.0013	-4.616
Stddev	9.607	1.257	.5308	.0696	.0534	6.611
%RSD	170.6	82.91	711.9	61.85	4106.	143.2

#1	-5.427	2.570	-.4875	-.1790	.0066	-12.13
#2	10.38	.1247	.5672	-.1181	-.0545	.3178
#3	11.94	1.854	.1440	-.0403	.0519	-2.038

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0493	.1931	-.2289	1.554	-6.895	-14.20
Stddev	.0226	.0998	.0987	.620	5.003	28.61
%RSD	45.80	51.69	43.13	39.88	72.56	201.5

#1	-.0642	.0799	-.3415	2.267	-2.198	14.39
#2	-.0605	.2684	-.1880	1.141	-12.16	-14.17
#3	-.0233	.2311	-.1571	1.255	-6.329	-42.82

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	1.584	.0250	-31.23	-.1965	.7174	.3707
Stddev	1.888	.0500	5.28	.3979	1.078	1.331
%RSD	119.2	200.2	16.90	202.5	150.3	359.1

#1	.5682	.0513	-31.62	-.6555	.7742	-.6284
#2	.4213	.0562	-25.77	.0141	-.3878	-.1416
#3	3.762	-.0327	-36.30	.0519	1.766	1.882

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

Sample Name: MB 460-360778/1-A Acquired: 4/5/2016 17:16:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5530	-.0051	-.2871	.5695	-3.140	.1894
Stddev	2.750	1.062	.1567	.1979	.183	.0464
%RSD	497.3	20970.	54.58	34.76	5.815	24.51
#1	2.311	-1.224	-.4659	.7865	-3.228	.2096
#2	-3.173	.7153	-.2216	.3989	-2.930	.2223
#3	-.7966	.4938	-.1738	.5229	-3.262	.1363

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5651	-.0594	-.1004	1.444
Stddev	.7142	.1132	.1193	7.778
%RSD	126.4	190.6	118.9	538.5
#1	-.7001	-.1278	-.2166	8.839
#2	-1.202	-.1217	-.1064	-6.667
#3	.2070	.0713	.0218	2.160

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	3164.5	36665.	5678.2
Stddev	4.8	306.	50.3
%RSD	.15115	.83486	.88632
#1	3169.9	36353.	5657.1
#2	3162.7	36964.	5641.8
#3	3160.9	36677.	5735.6

Sample Name: 460-111308-A-1-B@5 Acquired: 4/5/2016 17:57:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	355.3	2.594	-.0860	30.32	-.0245	215200.
Stddev	18.6	.229	.5173	.07	.1242	235.
%RSD	5.223	8.832	601.3	.2356	507.3	.1094
#1	351.9	2.464	.4842	30.38	-.1060	215300.
#2	338.7	2.858	-.5252	30.24	.1184	215400.
#3	375.4	2.458	-.2171	30.32	-.0858	214900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5732	.0734	52.42	6.344	27.88	2354.
Stddev	.1506	.0953	.83	.028	4.76	13.
%RSD	26.27	129.8	1.589	.4362	17.06	.5388
#1	.7449	.0442	52.17	6.349	25.00	2342.
#2	.4636	-.0039	53.35	6.368	33.37	2367.
#3	.5112	.1799	51.74	6.314	25.26	2354.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	619.5	.8065	F 266600.	1.369	22.62	2.620
Stddev	1.4	.0231	2808.	.243	.91	.776
%RSD	.2196	2.861	1.053	17.75	4.037	29.61
#1	618.0	.8250	263400.	1.464	23.53	3.071
#2	619.8	.8137	268600.	1.093	22.63	1.724
#3	620.6	.7806	267700.	1.551	21.70	3.064

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

Sample Name: 460-111308-A-1-B@5 Acquired: 4/5/2016 17:57:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.028	.8619	1.722	1.487	168.2	2.353
Stddev	2.474	1.339	.375	.173	1.3	.119
%RSD	122.0	155.3	21.79	11.66	.7867	5.058
#1	-4.507	2.354	2.097	1.411	167.0	2.216
#2	.4398	-.2360	1.346	1.365	168.0	2.431
#3	-2.016	.4682	1.723	1.685	169.6	2.412

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1065	482.7	2.130	2669.
Stddev	.6956	2.6	.278	54.
%RSD	653.2	.5474	13.05	2.011
#1	-.6967	479.9	2.451	2608.
#2	.5072	482.9	1.993	2688.
#3	.5089	485.2	1.948	2710.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2875.9	33368.	5463.7
Stddev	2.0	164.	53.6
%RSD	.06946	.49095	.98017
#1	2877.1	33219.	5412.3
#2	2873.6	33342.	5459.7
#3	2877.1	33543.	5519.2

Sample Name: LCS 460-360778/2-A Acquired: 4/5/2016 17:20:40 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2308.	2239.	221.5	4830.	467.7	9513.
Stddev	14.	7.	.9	4.	.9	61.
%RSD	.6140	.3197	.4007	.0826	.1841	.6386

#1	2296.	2247.	221.8	4826.	466.7	9557.
#2	2323.	2235.	222.1	4834.	468.4	9538.
#3	2303.	2235.	220.4	4829.	468.0	9443.

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	501.3	511.3	2399.	458.4	487.6	9063.
Stddev	.5	.8	9.	1.8	3.2	61.
%RSD	.1011	.1634	.3951	.4003	.6566	.6774

#1	501.1	511.3	2399.	457.1	483.9	9012.
#2	501.9	512.1	2408.	460.5	489.3	9131.
#3	501.0	510.4	2389.	457.6	489.6	9045.

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	9394.	510.1	9138.	518.8	2489.	458.8
Stddev	44.	2.7	26.	.8	4.	.4
%RSD	.4667	.5305	.2883	.1623	.1434	.0911

#1	9385.	512.1	9136.	517.9	2490.	458.4
#2	9442.	511.2	9165.	519.2	2492.	459.3
#3	9355.	507.0	9112.	519.4	2485.	458.8

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-360778/2-A Acquired: 4/5/2016 17:20:40 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	474.9	521.8	238.6	510.9	472.2	485.7
Stddev	.2	7.3	1.0	1.4	1.0	1.4
%RSD	.0502	1.397	.4343	.2651	.2053	.2943

#1	474.9	514.9	238.1	509.4	471.2	484.1
#2	475.1	529.4	237.9	512.1	472.1	486.5
#3	474.7	521.0	239.8	511.0	473.2	486.7

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	473.1	479.3	479.1	30.70
Stddev	1.5	1.6	.1	15.74
%RSD	.3097	.3336	.0176	51.28

#1	473.6	480.9	479.1	13.21
#2	474.3	479.3	479.2	43.75
#3	471.5	477.7	479.0	35.14

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	3105.1	36283.	5658.3
Stddev	7.1	195.	61.4
%RSD	.22958	.53775	1.0851

#1	3110.4	36099.	5728.6
#2	3097.0	36264.	5614.9
#3	3107.9	36488.	5631.4

Sample Name: LB 460-360404/1-F@5 Acquired: 4/5/2016 18:10:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.366	.9626	.1442	-.0463	.0280	15.97
Stddev	16.70	.6964	.3911	.0612	.0546	2.44
%RSD	705.9	72.35	271.2	132.2	195.2	15.28
#1	-16.18	1.681	.5278	-.0379	.0883	16.33
#2	16.22	.2910	-.2540	.0103	-.0181	13.37
#3	7.056	.9153	.1588	-.1113	.0138	18.21

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0632	-.1299	.0565	-.2868	2.066	22.70
Stddev	.0393	.1014	.1279	.4220	3.311	33.19
%RSD	62.22	78.08	226.4	147.2	160.2	146.2
#1	-.0470	-.0465	-.0077	-.5167	.0617	15.89
#2	-.0346	-.1003	.2038	.2003	.2491	-6.563
#3	-.1081	-.2428	-.0266	-.5439	5.888	58.77

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3380	.0465	F 264600.	.7744	.4270	.7629
Stddev	3.325	.0529	1610.	.0821	1.545	.8229
%RSD	983.8	113.8	.6084	10.60	361.9	107.9
#1	3.304	.0782	263700.	.7604	.7537	1.503
#2	-3.211	-.0146	263700.	.7002	1.783	-.1230
#3	-1.107	.0760	266500.	.8626	-1.256	.9082

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

Sample Name: LB 460-360404/1-F@5 Acquired: 4/5/2016 18:10:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.280	.6054	-.3987	1.053	-1.406	-.1395
Stddev	2.829	1.421	.4424	.114	.477	.0660
%RSD	124.1	234.7	111.0	10.81	33.92	47.29
#1	-.0935	.0496	-.2328	1.032	-1.612	-.0812
#2	-5.476	-.4538	-.0632	.9507	-.8607	-.2110
#3	-1.272	2.220	-.9001	1.175	-1.745	-.1262

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6448	-.1249	.0753	23.81
Stddev	.6350	.0280	.1561	7.66
%RSD	98.49	22.44	207.2	32.17
#1	-.7860	-.1335	.1881	29.09
#2	-1.197	-.1476	.1407	15.03
#3	.0490	-.0936	-.1028	27.32

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2936.8	33974.	5411.5
Stddev	11.1	173.	45.2
%RSD	.37858	.51052	.83567
#1	2943.2	33932.	5440.4
#2	2943.3	33825.	5359.3
#3	2924.0	34164.	5434.7

Sample Name: 460-111308-A-2-C DU Acquired: 4/5/2016 17:24:31 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	451.5	2.816	.1487	77.59	.0332	F 271700.
Stddev	13.4	1.558	.3126	.54	.0974	2068.
%RSD	2.974	55.31	210.2	.6972	293.6	.7612

#1	436.6	2.378	-.2122	77.77	.0217	273800.
#2	455.4	1.524	.3301	78.01	.1359	271400.
#3	462.6	4.546	.3281	76.98	-.0580	269700.

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	8.996	1.144	-2.238	5.389	107.9	4276.
Stddev	.031	.106	.427	.642	4.3	14.
%RSD	.3449	9.220	19.06	11.92	3.942	.3205

#1	9.027	1.258	-1.983	5.540	108.2	4286.
#2	8.965	1.124	-2.731	4.684	112.1	4260.
#3	8.996	1.050	-2.001	5.942	103.6	4282.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8590.	3.526	F 291800.	14.48	1594.	4.253
Stddev	43.	.037	1886.	.39	12.	.513
%RSD	.4997	1.060	.6463	2.715	.7825	12.07

#1	8612.	3.568	291500.	14.76	1604.	4.622
#2	8617.	3.514	293800.	14.65	1598.	3.667
#3	8540.	3.496	290100.	14.03	1580.	4.471

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

Sample Name: 460-111308-A-2-C DU Acquired: 4/5/2016 17:24:31 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.623	2.124	.2395	2.185	194.1	.4978
Stddev	1.951	2.449	.4869	.199	1.6	.1768
%RSD	53.84	115.3	203.3	9.128	.8169	35.53

#1	-5.604	4.490	-.0046	2.398	194.5	.6226
#2	-3.560	-.4012	.8002	2.153	195.4	.2954
#3	-1.704	2.283	-.0769	2.003	192.3	.5753

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 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	522.3	5.521	1829.
Stddev	.858	.4	.891	16.
%RSD	34.43	.0673	16.13	.8616

#1	1.543	522.6	5.745	1842.
#2	2.724	522.3	6.279	1833.
#3	3.213	521.9	4.541	1812.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2910.9	33507.	5576.5
Stddev	24.9	355.	103.4
%RSD	.85481	1.0591	1.8547

#1	2886.0	33106.	5487.5
#2	2911.0	33633.	5552.2
#3	2935.7	33781.	5690.0

Sample Name: CCB Acquired: 4/5/2016 17:36:54 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.162	1.025	.1128	.2081	-.0516	5.474
Stddev	2.214	.337	.1838	.0501	.0885	2.675
%RSD	102.4	32.90	163.0	24.08	171.4	48.87
#1	.1890	.6610	.2534	.2428	-.1538	5.601
#2	1.740	1.087	-.0952	.1506	.0027	8.083
#3	4.556	1.327	.1801	.2308	-.0039	2.737

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	-.0243	.2260	-.3568	.4250	-.9911	16.61
Stddev	.0810	.1686	.5900	.3517	9.232	10.27
%RSD	333.7	74.60	165.3	82.76	931.5	61.85
#1	.0288	.4046	.3133	.7295	8.986	28.24
#2	.0158	.2040	-.5861	.5053	-9.231	12.81
#3	-.1175	.0695	-.7978	.0401	-2.729	8.777

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.876	.1205	-2.278	-.0399	.9988	1.662
Stddev	2.069	.0679	8.679	.1158	1.021	1.363
%RSD	35.21	56.38	381.0	290.1	102.2	81.99
#1	5.298	.1771	5.408	.0327	1.912	2.887
#2	8.172	.1392	-.5505	.0210	-.1035	.1942
#3	4.157	.0452	-11.69	-.1735	1.188	1.905

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

Sample Name: CCB Acquired: 4/5/2016 17:36:54 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7565	1.204	.0066	.2967	-2.321	.9236
Stddev	.7633	.561	.3142	.1044	.462	.4490
%RSD	100.9	46.57	4728.	35.19	19.91	48.61
#1	-1.338	1.434	.2668	.2525	-1.823	1.416
#2	.1079	1.613	-.3424	.4160	-2.735	.8192
#3	-1.040	.5648	.0955	.2217	-2.406	.5360

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5679	.0862	.5459	-2.045
Stddev	.6455	.0771	.0895	15.02
%RSD	113.7	89.44	16.39	734.7
#1	-.5228	-.0008	.5149	-17.89
#2	.0538	.1460	.4760	-.2500
#3	-1.235	.1133	.6467	12.00

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	3123.9	36727.	5553.2
Stddev	17.4	62.	12.2
%RSD	.55774	.16803	.22053
#1	3140.5	36656.	5554.8
#2	3125.5	36760.	5540.2
#3	3105.7	36766.	5564.6

Sample Name: CCV Acquired: 4/5/2016 18:27:21 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118400.	2388.	1178.	9700.	956.5	121500.
Stddev	416.	7.	2.	13.	1.3	81.
%RSD	.3511	.2983	.1403	.1357	.1311	.0664

#1	118400.	2380.	1179.	9687.	957.7	121500.
#2	118800.	2389.	1176.	9700.	956.5	121400.
#3	118000.	2394.	1179.	9714.	955.2	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	1212.	2410.	4858.	11830.	96890.	47660.
Stddev	2.	3.	13.	38.	144.	124.
%RSD	.1918	.1048	.2629	.3178	.1486	.2593

#1	1209.	2407.	4844.	11790.	96960.	47770.
#2	1212.	2410.	4862.	11830.	96980.	47680.
#3	1214.	2412.	4869.	11870.	96720.	47520.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121200.	4906.	118900.	2422.	7300.	946.1
Stddev	201.	6.	425.	3.	13.	2.3
%RSD	.1661	.1210	.3575	.1298	.1779	.2476

#1	121000.	4911.	119000.	2418.	7289.	944.0
#2	121100.	4899.	119300.	2422.	7297.	948.6
#3	121400.	4907.	118400.	2425.	7314.	945.7

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

Sample Name: CCV Acquired: 4/5/2016 18:27:21 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2396.	2428.	2388.	2427.	958.9	2405.
Stddev	9.	8.	4.	5.	2.1	7.
%RSD	.3797	.3409	.1584	.1921	.2218	.2753

#1	2387.	2427.	2384.	2426.	956.5	2398.
#2	2405.	2421.	2392.	2423.	960.0	2410.
#3	2397.	2438.	2387.	2432.	960.3	2408.

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	966.8	4864.	9670.	9126.
Stddev	3.2	11.	88.	123.
%RSD	.3348	.2272	.9083	1.351

#1	965.8	4875.	9569.	9087.
#2	964.3	4863.	9711.	9028.
#3	970.5	4853.	9730.	9265.

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	2877.3	33594.	5402.3
Stddev	.3	86.	60.9
%RSD	.01024	.25613	1.1265

#1	2877.6	33509.	5375.4
#2	2877.0	33591.	5359.5
#3	2877.2	33681.	5472.0

Sample Name: CCVL Acquired: 4/5/2016 17:41:05 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	221.9	13.85	9.782	205.7	2.073	4906.
Stddev	5.4	.88	.429	.9	.025	34.
%RSD	2.444	6.367	4.385	.4456	1.214	.7031
#1	227.6	14.08	9.336	204.7	2.102	4866.
#2	216.8	12.88	9.819	206.2	2.056	4919.
#3	221.3	14.60	10.19	206.4	2.062	4931.

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	4.089	52.23	10.58	24.25	166.9	4723.
Stddev	.111	.21	.14	.45	8.3	35.
%RSD	2.717	.3961	1.311	1.861	4.984	.7383
#1	4.146	52.01	10.69	23.92	160.2	4706.
#2	4.159	52.25	10.42	24.76	176.2	4700.
#3	3.961	52.42	10.62	24.07	164.3	4763.

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	4850.	15.77	4814.	42.28	10.91	18.93
Stddev	28.	.10	16.	.37	1.17	1.02
%RSD	.5707	.6485	.3326	.8721	10.71	5.365
#1	4820.	15.65	4818.	42.09	9.561	19.79
#2	4855.	15.84	4796.	42.04	11.57	19.20
#3	4875.	15.82	4828.	42.70	11.60	17.81

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

Sample Name: CCVL Acquired: 4/5/2016 17:41:05 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.51	24.74	49.39	31.10	46.03	20.05
Stddev	1.56	.80	.15	.37	.46	.24
%RSD	9.461	3.250	.2953	1.175	1.009	1.184
#1	18.14	25.50	49.27	30.75	45.92	20.11
#2	15.03	23.90	49.34	31.09	45.62	20.25
#3	16.37	24.83	49.55	31.48	46.53	19.78

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.83	20.24	20.62	F 5.645
Stddev	.45	.10	.14	8.834
%RSD	.8979	.5030	.7020	156.5
#1	49.91	20.30	20.47	15.78
#2	50.23	20.12	20.76	1.570
#3	49.35	20.30	20.63	-.4171

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	3101.0	36428.	5556.1
Stddev	6.2	145.	31.0
%RSD	.20086	.39935	.55781
#1	3107.4	36588.	5522.9
#2	3100.8	36393.	5584.2
#3	3094.9	36304.	5561.4

Sample Name: 460-111308-A-2-D MS Acquired: 4/5/2016 17:49:22 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1459.	993.5	95.44	2055.	197.1	F 262500.
Stddev	22.	1.7	.76	5.	1.4	1093.
%RSD	1.488	.1752	.8003	.2289	.7177	.4165

#1	1454.	991.6	95.47	2052.	195.6	261600.
#2	1483.	993.7	96.19	2054.	197.4	262100.
#3	1441.	995.1	94.66	2061.	198.3	263700.

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	214.9	209.6	984.1	203.5	307.7	8105.
Stddev	1.1	1.2	4.0	.5	6.9	53.
%RSD	.5273	.5735	.4079	.2324	2.233	.6598

#1	213.7	208.4	980.7	203.1	307.1	8044.
#2	215.2	209.6	983.1	204.0	314.8	8125.
#3	215.9	210.8	988.5	203.4	301.1	8146.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11820.	209.3	F 292200.	224.9	2559.	203.4
Stddev	49.	.4	2441.	1.0	12.	3.0
%RSD	.4185	.1695	.8356	.4232	.4632	1.488

#1	11800.	209.2	290300.	223.9	2547.	200.1
#2	11780.	209.1	291300.	225.1	2560.	204.2
#3	11880.	209.7	294900.	225.8	2570.	206.0

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

Sample Name: 460-111308-A-2-D MS Acquired: 4/5/2016 17:49:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	206.3	201.6	102.0	212.4	391.7	202.2
Stddev	.8	2.0	1.2	1.4	2.0	.2
%RSD	.3846	1.011	1.192	.6378	.5189	.1209
#1	206.1	199.3	101.0	211.0	389.8	202.2
#2	207.1	202.9	101.8	212.3	391.5	202.0
#3	205.5	202.7	103.4	213.7	393.9	202.5

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	196.7	704.8	208.4	1805.
Stddev	1.5	3.1	1.7	19.
%RSD	.7678	.4429	.8041	1.026
#1	195.1	701.6	207.3	1784.
#2	196.9	707.8	210.3	1820.
#3	198.1	705.1	207.6	1810.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2816.2	33154.	5291.4
Stddev	7.7	147.	36.0
%RSD	.27312	.44330	.68011
#1	2825.0	33264.	5325.2
#2	2812.0	33212.	5295.5
#3	2811.4	32987.	5253.6

Sample Name: pds 460-111308-A-2-B Acquired: 4/5/2016 17:53:25 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2331.	1904.	46.95	1953.	47.13	F 287100.
Stddev	4.	9.	.64	8.	.25	1780.
%RSD	.1687	.4720	1.359	.4201	.5204	.6200

#1	2326.	1908.	47.47	1960.	47.39	285700.
#2	2333.	1910.	47.16	1956.	47.09	289100.
#3	2333.	1894.	46.24	1944.	46.91	286600.

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	55.72	471.7	193.0	237.6	1068.	21990.
Stddev	.25	1.3	1.7	2.2	6.	68.
%RSD	.4474	.2683	.8630	.9442	.5456	.3079

#1	55.74	473.1	193.4	238.5	1063.	21990.
#2	55.95	471.4	194.4	239.3	1074.	22060.
#3	55.45	470.6	191.1	235.0	1067.	21930.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26430.	481.8	F 311700.	493.2	2040.	466.9
Stddev	85.	2.2	1456.	2.2	9.	2.3
%RSD	.3228	.4629	.4671	.4384	.4337	.4953

#1	26360.	479.9	312400.	495.4	2048.	467.2
#2	26530.	484.3	312600.	493.1	2041.	469.0
#3	26410.	481.3	310000.	491.1	2030.	464.4

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

Sample Name: pds 460-111308-A-2-B Acquired: 4/5/2016 17:53:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1964.	1881.	481.6	484.1	679.4	471.0
Stddev	5.	3.	3.8	2.6	2.4	1.6
%RSD	.2770	.1752	.7875	.5381	.3580	.3409
#1	1963.	1881.	483.5	486.7	681.2	472.1
#2	1970.	1878.	484.1	484.1	680.3	471.9
#3	1960.	1885.	477.2	481.4	676.6	469.2

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	482.0	991.8	486.0	1901.
Stddev	3.2	5.2	2.6	15.
%RSD	.6681	.5193	.5359	.7972
#1	485.7	996.8	487.6	1918.
#2	479.5	992.2	487.3	1897.
#3	480.9	986.5	483.0	1889.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2816.3	32515.	5287.0
Stddev	10.4	331.	29.6
%RSD	.36877	1.0185	.55994
#1	2804.5	32764.	5282.0
#2	2820.4	32139.	5260.3
#3	2824.1	32641.	5318.8

Sample Name: 460-111308-A-3-B@5 Acquired: 4/5/2016 18:01:41 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	386.3	2.055	-.0329	39.96	-.0088	170900.
Stddev	12.4	.621	.0387	.07	.0377	1629.
%RSD	3.210	30.19	117.8	.1700	428.7	.9534

#1	382.4	1.427	-.0560	39.99	-.0071	169100.
#2	400.2	2.072	-.0544	40.01	.0281	171300.
#3	376.4	2.667	.0118	39.88	-.0473	172300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5447	.2327	24.54	4.705	76.10	2670.
Stddev	.0357	.0386	.71	.498	9.93	16.
%RSD	6.550	16.60	2.878	10.58	13.05	.5891

#1	.5859	.2489	23.82	4.454	83.28	2677.
#2	.5252	.1886	24.56	4.384	64.77	2681.
#3	.5230	.2606	25.23	5.279	80.26	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	158.1	2.246	F 263900.	1.063	77.83	.2384
Stddev	3.0	.105	2937.	.063	1.33	1.613
%RSD	1.910	4.682	1.113	5.899	1.704	676.8

#1	157.3	2.165	261800.	1.135	76.85	-1.388
#2	161.4	2.207	262500.	1.021	77.30	1.839
#3	155.5	2.364	267200.	1.033	79.34	.2638

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

Sample Name: 460-111308-A-3-B@5 Acquired: 4/5/2016 18:01:41 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.424	.3145	.1010	1.337	6.879	9.200
Stddev	3.339	1.948	.1899	.070	.435	.198
%RSD	137.7	619.5	188.0	5.258	6.323	2.156
#1	-6.279	-6.330	.2162	1.279	7.356	9.111
#2	-.4747	2.556	-.1182	1.316	6.505	9.062
#3	-.5188	-.9790	.2050	1.415	6.775	9.427

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4994	263.2	4.322	1774.
Stddev	.7125	.7	.780	32.
%RSD	142.7	.2773	18.04	1.820
#1	-.0767	263.8	3.519	1811.
#2	-1.322	262.4	4.373	1762.
#3	-.0995	263.3	5.076	1750.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2929.4	33473.	5459.7
Stddev	21.9	209.	49.3
%RSD	.74599	.62351	.90328
#1	2911.7	33713.	5516.4
#2	2922.8	33331.	5427.6
#3	2953.8	33376.	5434.9

Sample Name: LB 460-360627/1-B@5 Acquired: 4/5/2016 18:56:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.714	1.909	-.0125	-.0453	.0034	11.45
Stddev	7.106	2.690	.1688	.1346	.0615	1.10
%RSD	92.12	141.0	1354.	297.3	1787.	9.603

#1	6.209	4.941	.1184	-.1998	.0172	12.24
#2	1.481	-.1939	-.2029	.0469	.0570	11.91
#3	15.45	.9793	.0472	.0170	-.0638	10.19

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0131	.0889	-.2472	.9537	2.402	-10.40
Stddev	.1408	.0897	.7880	.1191	2.116	6.32
%RSD	1076.	100.9	318.8	12.49	88.10	60.82

#1	-.1477	.0966	.6625	.8176	.6313	-4.707
#2	.0725	-.0044	-.7178	1.039	4.746	-9.283
#3	.1145	.1744	-.6863	1.005	1.830	-17.21

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	1.501	-.0077	23.00	.4209	.3252	-.6809
Stddev	2.043	.0137	5.14	.1361	.6651	.6762
%RSD	136.1	177.5	22.37	32.33	204.5	99.30

#1	1.112	-.0097	19.38	.4685	.3865	-.0378
#2	-.3196	.0068	28.88	.2674	-.3685	-1.386
#3	3.711	-.0203	20.72	.5267	.9576	-.6191

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

Sample Name: LB 460-360627/1-B@5 Acquired: 4/5/2016 18:56:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.501	.5004	-.1795	.2532	-2.598	-.0409
Stddev	1.623	.3357	.2448	.1459	.156	.2406
%RSD	64.88	67.10	136.3	57.63	6.019	588.1
#1	-1.420	.8775	.0458	.1411	-2.676	-.3122
#2	-4.367	.2338	-.1444	.2003	-2.418	.1464
#3	-1.717	.3899	-.4400	.4181	-2.699	.0430

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8331	-.0240	-.0829	15.78
Stddev	.6442	.0354	.0257	9.03
%RSD	77.33	147.4	30.98	57.23
#1	-1.455	-.0140	-.0705	5.354
#2	-.1686	-.0634	-.0658	20.97
#3	-.8758	.0053	-.1125	21.03

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3119.5	36340.	5392.8
Stddev	13.1	207.	39.3
%RSD	.42103	.57039	.72783
#1	3105.7	36274.	5352.8
#2	3121.0	36173.	5394.3
#3	3131.8	36572.	5431.3

Sample Name: 460-111448-A-1-H@5 Acquired: 4/5/2016 18:05:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	240.1	6.689	-0.0209	144.8	.0413	133400.
Stddev	18.4	.956	.3777	.9	.0825	407.
%RSD	7.665	14.29	1810.	.6408	199.7	.3050
#1	221.6	5.612	-.3906	144.0	.1095	133000.
#2	240.2	7.438	.3644	144.6	-.0504	133900.
#3	258.4	7.018	-.0364	145.8	.0649	133300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0221	2.468	-1.102	1.898	83.72	2062.
Stddev	.0465	.248	.681	.769	12.01	33.
%RSD	210.5	10.05	61.82	40.51	14.35	1.625
#1	.0693	2.302	-.5662	2.702	94.79	2027.
#2	.0208	2.753	-1.868	1.825	70.94	2063.
#3	-.0238	2.349	-.8706	1.169	85.44	2094.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4148.	1076.	F 276000.	10.16	12.64	-.3881
Stddev	26.	3.	2421.	.31	.56	1.098
%RSD	.6176	.2783	.8773	3.006	4.390	282.9
#1	4125.	1075.	275700.	9.982	12.33	-.5033
#2	4175.	1079.	278500.	10.51	13.28	-1.424
#3	4144.	1074.	273700.	9.976	12.31	.7628

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

Sample Name: 460-111448-A-1-H@5 Acquired: 4/5/2016 18:05:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.951	-.3846	.6920	35.67	29.20	1.891
Stddev	2.619	1.072	.2658	.28	.47	.148
%RSD	88.75	278.8	38.41	.7859	1.599	7.853
#1	-5.699	-.3678	.8281	35.35	29.51	1.757
#2	-2.672	.6793	.8621	35.88	28.67	1.866
#3	-.4829	-1.465	.3857	35.77	29.43	2.050

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8449	680.3	3.141	4590.
Stddev	.6275	1.5	.165	18.
%RSD	74.27	.2148	5.267	.4017
#1	-.1955	680.8	3.153	4585.
#2	-.8913	678.7	3.300	4574.
#3	-1.448	681.5	2.970	4610.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2882.9	33179.	5416.4
Stddev	22.2	191.	62.9
%RSD	.77057	.57668	1.1620
#1	2907.2	33398.	5488.8
#2	2877.8	33046.	5374.6
#3	2863.6	33092.	5385.8

Sample Name: 460-111211-F-1-M@5 Acquired: 4/5/2016 18:14:34 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	136.4	2.854	.4876	168.2	-.0398	21240.
Stddev	22.3	1.652	.3755	.3	.1470	64.
%RSD	16.34	57.88	77.01	.1668	369.3	.3023

#1	160.7	4.743	.4550	168.5	-.2058	21280.
#2	116.9	2.147	.1295	168.0	.0737	21270.
#3	131.7	1.673	.8783	168.1	.0127	21160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1896	11.13	.0343	1.500	10050.	944.0
Stddev	.0799	.13	.4739	.076	39.	36.8
%RSD	42.13	1.211	1380.	5.073	.3861	3.900

#1	.1617	10.99	-.5127	1.466	10010.	965.1
#2	.2796	11.15	.3200	1.587	10060.	965.5
#3	.1273	11.26	.2957	1.447	10090.	901.5

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	2006.	614.9	F 282400.	28.87	30.56	.0204
Stddev	6.	1.3	4604.	.14	1.43	.9361
%RSD	.3104	.2194	1.630	.4727	4.681	4583.

#1	1999.	616.5	286000.	29.00	28.97	-.9258
#2	2012.	614.3	284000.	28.73	31.75	.0410
#3	2006.	614.0	277200.	28.88	30.97	.9461

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

Sample Name: 460-111211-F-1-M@5 Acquired: 4/5/2016 18:14:34 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.296	.4610	.3613	339.7	30.74	-.0854
Stddev	2.189	2.185	.3944	.3	.63	.2272
%RSD	169.0	473.9	109.2	.1019	2.062	266.0

#1	-3.153	1.014	-.0786	340.0	30.06	-.1009
#2	-1.853	2.316	.6831	339.3	30.86	-.3045
#3	1.118	-1.947	.4794	339.7	31.31	.1491

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3202	96.03	2.316	2219.
Stddev	.6735	.21	.121	17.
%RSD	210.3	.2186	5.239	.7741

#1	.7887	96.20	2.252	2238.
#2	.6236	96.11	2.456	2205.
#3	-.4516	95.80	2.240	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	2940.8	33885.	5441.9
Stddev	21.6	255.	64.4
%RSD	.73594	.75137	1.1825

#1	2918.0	33754.	5404.6
#2	2943.5	33722.	5404.9
#3	2961.0	34178.	5516.2

Sample Name: 460-111460-I-10-B@5 Acquired: 4/5/2016 19:13:54 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.44	1.298	.6119	145.1	.1620	5808.
Stddev	7.01	2.049	.0821	.3	.0146	21.
%RSD	13.62	157.9	13.42	.1892	9.029	.3644

#1	57.51	-.9413	.6157	144.9	.1561	5799.
#2	53.05	3.080	.5279	145.4	.1786	5832.
#3	43.77	1.756	.6920	145.0	.1512	5793.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2142	29.12	.5038	7.106	49.30	590.8
Stddev	.1402	.23	.2776	.221	5.37	10.6
%RSD	65.48	.7738	55.09	3.116	10.90	1.788

#1	.0641	29.07	.5867	6.982	46.89	584.0
#2	.2365	28.92	.1942	7.361	55.46	603.0
#3	.3419	29.36	.7305	6.974	45.56	585.6

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	2134.	2642.	239400.	8.458	4.088	-.0675
Stddev	2.	10.	2540.	.578	.192	.3518
%RSD	.0876	.3931	1.061	6.836	4.685	521.3

#1	2136.	2646.	236500.	8.062	3.875	-.4664
#2	2134.	2649.	241200.	9.121	4.142	.0655
#3	2132.	2630.	240600.	8.190	4.247	.1985

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

Sample Name: 460-111460-I-10-B@5 Acquired: 4/5/2016 19:13:54 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.061	1.425	-.2446	49.64	28.36	.1550
Stddev	1.320	.971	.3335	.44	.62	.2058
%RSD	43.11	68.16	136.4	.8826	2.199	132.8
#1	-4.584	2.546	-.0214	50.15	28.11	.3820
#2	-2.244	.8419	-.6279	49.44	29.07	-.0193
#3	-2.356	.8864	-.0844	49.34	27.90	.1022

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.016	40.51	.6084	312.0
Stddev	1.181	.10	.1128	17.7
%RSD	116.2	.2584	18.54	5.667
#1	-1.699	40.50	.6140	319.4
#2	-1.696	40.62	.4928	291.8
#3	.3476	40.41	.7183	324.8

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	3041.3	34376.	5505.9
Stddev	7.6	142.	104.6
%RSD	.24924	.41448	1.8988
#1	3033.0	34467.	5600.7
#2	3043.2	34212.	5393.8
#3	3047.8	34449.	5523.1

Sample Name: 460-111460-I-12-B@5 Acquired: 4/5/2016 19:18:12 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	162.0	2.483	.2244	52.65	.1084	1868.
Stddev	3.0	1.843	.3498	.25	.0791	6.
%RSD	1.826	74.21	155.9	.4803	73.01	.3279

#1	160.6	2.527	.6282	52.57	.1930	1864.
#2	160.0	.6188	.0309	52.93	.0961	1875.
#3	165.4	4.304	.0140	52.44	.0361	1864.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1372	1.604	.1518	2.818	60.58	392.6
Stddev	.0862	.147	.1608	.535	6.43	29.6
%RSD	62.81	9.146	105.9	18.99	10.62	7.531

#1	.2041	1.720	.0735	3.232	61.13	426.4
#2	.1674	1.439	.3367	3.009	53.89	379.8
#3	.0400	1.654	.0451	2.214	66.72	371.6

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	320.9	57.26	F 255000.	2.306	4.074	.1796
Stddev	5.0	.27	3600.	.087	1.556	1.482
%RSD	1.567	.4743	1.412	3.759	38.19	825.2

#1	321.0	57.21	251300.	2.310	4.784	1.357
#2	325.9	57.55	255400.	2.390	5.148	.6664
#3	315.8	57.02	258400.	2.217	2.290	-1.484

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

Sample Name: 460-111460-I-12-B@5 Acquired: 4/5/2016 19:18:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.771	.4837	-.0554	11.04	8.410	.0475
Stddev	1.103	2.069	.0390	.04	.276	.1232
%RSD	29.26	427.7	70.40	.3264	3.283	259.3
#1	-4.822	2.742	-.0214	11.09	8.508	-.0777
#2	-3.869	-1.320	-.0469	11.03	8.098	.0515
#3	-2.622	.0287	-.0980	11.02	8.624	.1687

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4745	13.74	1.811	297.0
Stddev	.7786	.07	.091	10.7
%RSD	164.1	.4856	5.000	3.603
#1	-1.374	13.68	1.830	306.1
#2	-.0176	13.81	1.713	285.2
#3	-.0323	13.72	1.891	299.8

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	3007.7	34323.	5445.0
Stddev	8.8	88.	59.2
%RSD	.29255	.25739	1.0878
#1	3008.8	34386.	5486.7
#2	3015.9	34361.	5471.2
#3	2998.4	34222.	5377.2

Sample Name: 460-111211-F-3-G@5 Acquired: 4/5/2016 18:18:48 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1420.	1.389	.3944	52.11	.0463	1919.
Stddev	9.	2.285	.1507	.07	.0866	18.
%RSD	.6173	164.5	38.22	.1350	186.9	.9128

#1	1411.	.4859	.3640	52.13	.0128	1910.
#2	1428.	-.3058	.5580	52.03	.1447	1909.
#3	1422.	3.988	.2611	52.17	-.0185	1940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0315	.2800	1.130	46.54	336.2	1242.
Stddev	.0234	.0321	.004	.69	3.8	39.
%RSD	74.32	11.46	.3351	1.479	1.141	3.155

#1	-.0141	.2492	1.133	45.95	332.2	1278.
#2	-.0582	.3133	1.126	46.38	339.8	1201.
#3	-.0224	.2776	1.131	47.30	336.6	1248.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	665.1	8.692	F 269300.	1.213	18.60	2.901
Stddev	4.4	.122	2980.	.463	1.48	.797
%RSD	.6638	1.405	1.107	38.15	7.975	27.46

#1	668.2	8.656	266300.	.7494	19.22	2.057
#2	660.0	8.592	269400.	1.215	16.90	3.005
#3	667.0	8.828	272300.	1.675	19.66	3.641

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

Sample Name: 460-111211-F-3-G@5 Acquired: 4/5/2016 18:18:48 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.961	.4199	2.101	29.87	79.87	-.0482
Stddev	.912	1.861	.029	.12	.40	.2306
%RSD	46.51	443.1	1.393	.3996	.5011	478.3
#1	-1.085	2.528	2.072	29.97	80.32	.1200
#2	-2.905	-.9946	2.130	29.91	79.57	-.3110
#3	-1.892	-.2732	2.100	29.74	79.70	.0464

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5054	6.903	33.03	1847.
Stddev	.6388	.043	.40	9.
%RSD	126.4	.6193	1.198	.4663
#1	-.1158	6.952	33.49	1851.
#2	-1.243	6.885	32.84	1837.
#3	-.1579	6.872	32.77	1852.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2978.4	33903.	5439.5
Stddev	17.7	271.	42.8
%RSD	.59587	.79823	.78673
#1	2993.0	34160.	5464.6
#2	2983.5	33927.	5463.7
#3	2958.6	33620.	5390.1

Sample Name: CCVL Acquired: 4/5/2016 19:30:41 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	222.1	14.97	9.352	201.1	2.025	4927.
Stddev	18.2	1.62	.061	2.0	.051	23.
%RSD	8.182	10.84	.6562	1.003	2.500	.4732

#1	225.6	13.57	9.358	199.0	2.016	4900.
#2	202.4	14.58	9.411	201.1	1.980	4938.
#3	238.2	16.75	9.289	203.1	2.080	4943.

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	4.090	51.47	10.03	25.34	163.8	4728.
Stddev	.101	.36	.21	.50	7.6	30.
%RSD	2.469	.7036	2.090	1.971	4.634	.6448

#1	3.996	51.10	10.26	25.71	158.1	4708.
#2	4.196	51.49	9.939	25.54	161.0	4763.
#3	4.078	51.83	9.873	24.77	172.4	4712.

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	4800.	15.83	4912.	41.14	11.74	17.73
Stddev	20.	.09	24.	.20	.46	.54
%RSD	.4246	.5404	.4841	.4922	3.920	3.070

#1	4785.	15.86	4935.	41.10	12.26	17.50
#2	4792.	15.90	4888.	40.96	11.58	17.33
#3	4823.	15.73	4914.	41.36	11.38	18.35

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

Sample Name: CCVL Acquired: 4/5/2016 19:30:41 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.03	22.33	48.60	30.89	44.26	19.47
Stddev	2.00	2.17	.49	.22	1.06	.13
%RSD	12.44	9.702	1.014	.7246	2.402	.6838
#1	18.27	20.43	48.05	30.63	43.11	19.34
#2	14.45	24.69	49.02	31.03	44.48	19.46
#3	15.37	21.88	48.73	31.01	45.20	19.60

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	47.92	20.12	20.27	F 12.53
Stddev	.80	.12	.14	7.99
%RSD	1.660	.5976	.6952	63.79
#1	47.17	20.23	20.12	13.85
#2	47.85	19.99	20.31	3.956
#3	48.76	20.13	20.39	19.77

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	3139.3	36304.	5435.7
Stddev	29.7	369.	52.0
%RSD	.94542	1.0165	.95744
#1	3171.4	36726.	5457.7
#2	3133.7	36145.	5473.1
#3	3112.8	36042.	5376.3

Sample Name: 460-110758-D-2-F@5 Acquired: 4/5/2016 18:23:05 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	208.0	2.809	.2144	345.3	-.0105	90640.
Stddev	5.1	1.507	.3847	1.9	.1124	905.
%RSD	2.461	53.66	179.5	.5391	1070.	.9986
#1	205.3	4.531	.1427	346.1	.1078	91090.
#2	204.7	2.167	.6299	343.2	-.1159	91230.
#3	213.9	1.729	-.1295	346.7	-.0233	89600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.497	7.728	-.2265	19.06	289.4	914.5
Stddev	.026	.261	.6240	.54	13.9	17.3
%RSD	.4700	3.375	275.5	2.838	4.813	1.897
#1	5.495	7.983	-.2421	19.68	280.4	902.1
#2	5.473	7.741	-.8426	18.73	305.4	907.1
#3	5.524	7.462	.4052	18.76	282.2	934.4

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	3008.	723.8	F 281400.	23.79	258.0	4.888
Stddev	24.	6.8	1963.	.26	.2	.846
%RSD	.7970	.9433	.6976	1.101	.0884	17.30
#1	3019.	728.2	283600.	24.06	258.1	5.750
#2	3025.	727.2	280900.	23.75	257.7	4.855
#3	2981.	715.9	279800.	23.54	258.2	4.060

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

Sample Name: 460-110758-D-2-F@5 Acquired: 4/5/2016 18:23:05 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.758	1.371	.2746	1457.	27.91	-.2574
Stddev	1.825	1.455	.0778	5.	.64	.0714
%RSD	66.17	106.2	28.34	.3579	2.287	27.74
#1	-1.633	2.304	.3600	1460.	28.59	-.3238
#2	-4.864	2.113	.2563	1459.	27.81	-.1819
#3	-1.777	-.3059	.2076	1451.	27.32	-.2665

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.928	277.6	3.695	565.7
Stddev	.495	2.4	.313	3.2
%RSD	10.04	.8671	8.475	.5596
#1	4.357	280.3	3.582	565.2
#2	5.184	276.9	4.049	569.1
#3	5.242	275.6	3.454	562.8

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	2933.8	33172.	5390.9
Stddev	9.3	387.	20.2
%RSD	.31813	1.1662	.37427
#1	2923.0	32867.	5404.6
#2	2939.7	33042.	5367.7
#3	2938.7	33607.	5400.4

Sample Name: CCB Acquired: 4/5/2016 18:31:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.02	1.068	-.2179	.7423	.0794	.4859
Stddev	4.49	1.278	.4182	.8502	.0255	.5328
%RSD	34.50	119.7	191.9	114.5	32.15	109.7

#1	8.712	-.3878	.2471	1.713	.0636	-.1153
#2	17.67	1.587	-.3377	.3840	.0657	.6734
#3	12.67	2.005	-.5630	.1299	.1088	.8996

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2357	.1566	.0539	.6684	2.906	3.938
Stddev	.1503	.2536	.3760	.6335	3.687	5.001
%RSD	63.75	161.9	698.3	94.78	126.9	127.0

#1	.3515	.4075	-.3803	-.0160	6.548	9.675
#2	.2897	.1622	.2651	1.234	2.993	1.639
#3	.0659	-.0997	.2768	.7869	-.8242	.5000

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.918	.1340	26.70	.2412	1.644	.4447
Stddev	4.598	.0637	8.40	.1113	1.217	1.048
%RSD	157.6	47.57	31.47	46.14	74.04	235.8

#1	8.187	.0915	36.38	.2007	2.556	1.592
#2	-.2799	.2073	22.43	.3671	2.115	-.4645
#3	.8464	.1033	21.29	.1559	.2618	.2071

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

Sample Name: CCB Acquired: 4/5/2016 18:31:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.605	.8869	-.0736	.4332	-2.268	1.043
Stddev	.100	1.307	.2184	.2699	.628	.644
%RSD	3.838	147.4	296.8	62.30	27.69	61.78
#1	-2.490	2.144	.1336	.7446	-1.620	1.787
#2	-2.658	-.4650	-.0528	.2873	-2.873	.6489
#3	-2.667	.9822	-.3016	.2676	-2.312	.6936

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9092	.0631	.3708	5.628
Stddev	.3820	.0727	.2274	15.90
%RSD	42.01	115.1	61.31	282.5
#1	-.6546	.0778	.5640	23.38
#2	-1.348	.1274	.4282	.8173
#3	-.7245	-.0158	.1203	-7.309

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	36551.	5481.5
Stddev	10.8	105.	26.0
%RSD	.34400	.28811	.47457
#1	3128.8	36633.	5494.0
#2	3145.4	36587.	5451.6
#3	3149.1	36432.	5498.9

Sample Name: CCVL Acquired: 4/5/2016 18:35:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	228.2	14.33	9.991	204.2	2.049	5038.
Stddev	17.7	1.49	.210	.7	.137	42.
%RSD	7.740	10.37	2.099	.3589	6.671	.8303

#1	228.2	13.94	9.749	203.9	1.905	4990.
#2	210.6	13.08	10.12	203.7	2.064	5058.
#3	245.9	15.98	10.10	205.1	2.178	5066.

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	4.149	52.21	9.917	26.03	171.1	4768.
Stddev	.052	.28	.673	.12	11.7	7.
%RSD	1.253	.5368	6.783	.4475	6.807	.1558

#1	4.204	51.89	10.35	25.89	183.0	4762.
#2	4.101	52.41	9.142	26.08	159.7	4765.
#3	4.143	52.33	10.26	26.11	170.7	4776.

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	4915.	16.14	4918.	41.89	12.10	17.82
Stddev	27.	.05	11.	.61	.52	1.00
%RSD	.5553	.2914	.2167	1.456	4.295	5.620

#1	4884.	16.09	4906.	41.75	11.96	16.81
#2	4936.	16.16	4926.	41.36	12.67	17.85
#3	4925.	16.18	4923.	42.56	11.66	18.81

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

Sample Name: CCVL Acquired: 4/5/2016 18:35:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.95	23.13	49.01	31.59	44.71	19.90
Stddev	1.55	1.09	.39	.27	.16	.24
%RSD	9.701	4.728	.7920	.8627	.3625	1.186
#1	14.17	22.12	48.95	31.27	44.56	19.72
#2	16.88	24.29	48.65	31.78	44.88	19.81
#3	16.81	22.98	49.42	31.70	44.68	20.17

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	49.68	20.50	20.60	F -8.531
Stddev	.92	.19	.20	6.762
%RSD	1.849	.9187	.9712	79.27
#1	49.88	20.33	20.42	-16.16
#2	48.67	20.70	20.56	-3.290
#3	50.47	20.46	20.81	-6.139

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3127.3	35972.	5466.4
Stddev	26.3	398.	54.6
%RSD	.84024	1.1062	.99906
#1	3154.5	36379.	5513.9
#2	3125.4	35953.	5478.7
#3	3102.1	35584.	5406.7

Sample Name: 460-109423-D-1-O@5 Acquired: 4/5/2016 18:39:40 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	276.7	1.828	.0619	93.72	.0682	26700.
Stddev	16.5	1.152	.2577	.42	.1233	93.
%RSD	5.948	63.04	416.4	.4481	180.8	.3469

#1	295.6	.5428	-.2335	93.89	.1108	26770.
#2	269.5	2.171	.1783	94.03	-.0707	26740.
#3	265.1	2.769	.2409	93.25	.1645	26600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5879	.4924	.8360	48.37	195.0	979.5
Stddev	.0972	.0742	.0995	.35	16.1	10.9
%RSD	16.54	15.07	11.90	.7264	8.266	1.116

#1	.6846	.5723	.9209	47.97	181.7	967.0
#2	.5888	.4793	.7265	48.56	212.9	984.3
#3	.4902	.4256	.8606	48.59	190.3	987.2

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	1515.	97.99	F 288400.	4.742	56.64	.6408
Stddev	5.	.17	2055.	.110	.13	.2508
%RSD	.3208	.1776	.7125	2.309	.2315	39.14

#1	1521.	97.79	288300.	4.865	56.49	.8213
#2	1513.	98.10	290500.	4.656	56.73	.7467
#3	1512.	98.07	286400.	4.705	56.70	.3544

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

Sample Name: 460-109423-D-1-O@5 Acquired: 4/5/2016 18:39:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.425	.1026	10.96	227.7	26.68	.1501
Stddev	1.111	.5903	.24	.7	.37	.1191
%RSD	32.44	575.6	2.147	.3241	1.387	79.36
#1	-4.600	.3053	10.69	227.7	26.40	.1252
#2	-2.391	-.5624	11.11	228.5	27.10	.0454
#3	-3.284	.5648	11.08	227.0	26.54	.2797

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1372	102.0	9.753	931.6
Stddev	.7042	.5	.985	8.5
%RSD	513.2	.4858	10.10	.9072
#1	.5348	102.5	8.620	923.6
#2	-.8697	102.0	10.23	930.7
#3	-.0768	101.5	10.40	940.4

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	2965.7	33688.	5429.7
Stddev	3.4	83.	48.5
%RSD	.11502	.24610	.89285
#1	2962.4	33599.	5422.3
#2	2965.3	33702.	5385.3
#3	2969.2	33764.	5481.4

Sample Name: 460-111434-A-31-A@4 Acquired: 4/5/2016 20:04:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70030.	15.72	2.169	64.18	.7885	628.4
Stddev	117.	1.73	.113	.14	.2313	5.1
%RSD	.1672	10.98	5.214	.2200	29.33	.8174

#1	70020.	14.20	2.179	64.12	1.055	622.7
#2	69920.	17.60	2.051	64.07	.6427	632.5
#3	70160.	15.37	2.276	64.34	.6677	630.1

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2992	3.311	79.13	27.98	52500.	877.7
Stddev	.0564	.238	.56	.73	168.	33.0
%RSD	18.84	7.190	.7091	2.607	.3197	3.762

#1	-.3396	3.048	79.28	27.26	52390.	915.7
#2	-.2348	3.511	78.51	27.97	52420.	860.3
#3	-.3231	3.375	79.60	28.72	52690.	857.0

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	1054.	51.34	43.88	18.91	30.28	.2191
Stddev	6.	.33	40.43	.51	.47	1.490
%RSD	.5704	.6376	92.13	2.714	1.569	680.0

#1	1047.	51.23	90.56	19.50	30.57	1.502
#2	1059.	51.08	20.40	18.61	29.73	-1.415
#3	1054.	51.71	20.68	18.61	30.53	.5703

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

Sample Name: 460-111434-A-31-A@4 Acquired: 4/5/2016 20:04:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.665	.2070	97.87	24.08	-2.348	2.469
Stddev	4.023	1.674	.17	.13	.417	.168
%RSD	86.25	808.4	.1743	.5462	17.78	6.800
#1	-.0275	2.139	97.86	23.99	-1.903	2.649
#2	-6.743	-.7121	97.70	24.01	-2.731	2.442
#3	-7.223	-.8057	98.04	24.23	-2.409	2.317

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.05	4.303	601.8	1066.
Stddev	1.19	.334	.3	2.
%RSD	7.411	7.758	.0507	.1554
#1	17.34	4.689	601.5	1068.
#2	14.99	4.109	602.1	1066.
#3	15.83	4.113	601.8	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	3240.3	37008.	5659.0
Stddev	12.2	232.	54.8
%RSD	.37541	.62714	.96915
#1	3227.7	36958.	5601.7
#2	3252.0	37261.	5711.0
#3	3241.3	36804.	5664.5

Sample Name: 460-110783-D-2-E@5 Acquired: 4/5/2016 18:43:54 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	351.2	3.113	.5624	541.2	.0174	61550.
Stddev	23.3	1.576	.4426	1.1	.1028	210.
%RSD	6.630	50.63	78.69	.2089	590.5	.3408
#1	364.3	4.168	.9250	541.8	.0463	61340.
#2	324.3	1.301	.6932	539.9	.1027	61550.
#3	364.9	3.869	.0692	541.9	-.0967	61760.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.640	10.81	.8956	18.14	1885.	746.0
Stddev	.029	.20	.5830	.23	19.	30.5
%RSD	.5171	1.891	65.10	1.245	.9900	4.090
#1	5.671	10.93	.7792	18.31	1881.	715.0
#2	5.613	10.57	1.528	17.88	1869.	776.0
#3	5.635	10.93	.3796	18.22	1905.	747.0

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	2984.	533.6	F 250200.	63.41	526.2	2.940
Stddev	11.	1.9	2240.	.47	2.0	1.118
%RSD	.3677	.3575	.8952	.7475	.3766	38.03
#1	2972.	531.5	250300.	63.95	525.7	2.732
#2	2990.	534.4	248000.	63.12	524.5	4.148
#3	2992.	535.1	252500.	63.14	528.3	1.941

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

Sample Name: 460-110783-D-2-E@5 Acquired: 4/5/2016 18:43:54 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.021	1.158	.9016	3252.	27.75	-.5878
Stddev	2.250	2.300	.1543	13.	.12	.1293
%RSD	55.95	198.6	17.11	.4101	.4200	22.00
#1	-1.428	3.760	1.074	3242.	27.87	-.7047
#2	-5.183	-.6042	.7773	3247.	27.65	-.6100
#3	-5.452	.3191	.8532	3267.	27.72	-.4488

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.649	234.7	12.74	1278.
Stddev	.402	.4	.66	12.
%RSD	5.250	.1761	5.180	.9746
#1	7.321	235.1	12.23	1267.
#2	8.097	234.8	12.50	1277.
#3	7.529	234.3	13.48	1292.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2996.4	33979.	5497.0
Stddev	6.2	96.	30.7
%RSD	.20569	.28229	.55852
#1	3000.5	33979.	5503.4
#2	2999.4	34075.	5523.9
#3	2989.3	33883.	5463.6

Sample Name: LB 460-359926/1-F@5 Acquired: 4/5/2016 18:48:07 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.356	.7606	.4675	.1288	.0031	30.76
Stddev	8.430	.8285	.5471	.1267	.0375	5.08
%RSD	193.5	108.9	117.0	98.35	1195.	16.52

#1	-3.407	1.694	-.1273	.1542	.0402	24.94
#2	3.560	.1126	.5805	-.0087	.0040	33.00
#3	-13.22	.4752	.9493	.2408	-.0348	34.34

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0004	.0424	-.2722	1.983	-1.930	81.01
Stddev	.0902	.0366	.4504	.523	7.938	15.67
%RSD	23860.	86.24	165.5	26.40	411.2	19.34

#1	-.1026	.0830	.2136	2.162	-8.491	63.11
#2	.0680	.0320	-.6760	2.393	-4.194	92.22
#3	.0334	.0121	-.3542	1.393	6.894	87.70

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	1.996	.1472	F 282600.	1.054	1.437	.2944
Stddev	5.235	.0427	517.	.241	.798	1.248
%RSD	262.3	29.04	.1830	22.87	55.52	424.1

#1	6.504	.1894	282800.	1.259	1.739	-.2554
#2	3.230	.1481	283000.	.7884	.5320	-.5848
#3	-3.746	.1040	282000.	1.116	2.039	1.723

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

Sample Name: LB 460-359926/1-F@5 Acquired: 4/5/2016 18:48:07 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.029	-.1250	-.2967	1.246	-1.983	-.1528
Stddev	1.258	.5846	.3073	.147	.769	.0743
%RSD	62.01	467.9	103.6	11.77	38.78	48.60
#1	-.5966	-.6693	.0244	1.415	-1.126	-.2386
#2	-2.536	.4930	-.3266	1.156	-2.613	-.1080
#3	-2.955	-.1986	-.5880	1.167	-2.209	-.1119

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6799	.0270	-.0480	19.06
Stddev	.6652	.0159	.0357	11.19
%RSD	97.84	58.98	74.45	58.70
#1	-1.367	.0119	-.0331	10.29
#2	-.6346	.0254	-.0888	15.23
#3	-.0385	.0437	-.0221	31.66

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2995.1	34046.	5407.6
Stddev	4.6	153.	8.1
%RSD	.15440	.44935	.14949
#1	2989.9	33947.	5400.9
#2	2996.7	34222.	5405.4
#3	2998.7	33968.	5416.6

Sample Name: 460-111307-A-3-B@5 Acquired: 4/5/2016 18:52:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.52	1.804	-1.1690	12.42	-.0395	5123.
Stddev	11.51	1.369	.0554	.12	.0453	22.
%RSD	36.51	75.88	32.78	.9966	114.9	.4235

#1	23.32	1.145	-.1520	12.32	-.0643	5103.
#2	26.57	.8892	-.1242	12.56	-.0670	5146.
#3	44.68	3.377	-.2310	12.37	.0129	5120.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0082	.1733	-.0713	3.904	11.96	1400.
Stddev	.0171	.0611	.2131	.396	4.04	20.
%RSD	209.2	35.23	299.1	10.13	33.77	1.437

#1	.0235	.1467	-.2559	3.713	7.798	1395.
#2	.0113	.1301	-.1199	4.359	12.22	1423.
#3	-.0103	.2432	.1620	3.640	15.86	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	1445.	.2526	10120.	1.379	1.276	.5221
Stddev	13.	.0617	59.	.296	1.476	.8636
%RSD	.8973	24.45	.5873	21.46	115.7	165.4

#1	1430.	.2958	10180.	1.103	1.684	-.0867
#2	1455.	.2800	10080.	1.342	2.504	.1426
#3	1450.	.1819	10090.	1.691	-.3620	1.510

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

Sample Name: 460-111307-A-3-B@5 Acquired: 4/5/2016 18:52:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.335	1.773	.0662	1.622	14.48	.7303
Stddev	2.684	.685	.2443	.477	.56	.1423
%RSD	201.0	38.61	369.1	29.44	3.881	19.49
#1	.8936	1.069	.1639	1.545	13.83	.6663
#2	-4.315	1.814	.2465	2.133	14.80	.8934
#3	-.5846	2.436	-.2118	1.187	14.80	.6312

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4874	72.64	.5629	241.4
Stddev	.5600	.36	.1683	6.0
%RSD	114.9	.5020	29.90	2.488
#1	.1205	72.82	.6497	243.8
#2	-.6005	72.22	.6700	245.8
#3	-.9822	72.88	.3689	234.6

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	3097.1	35832.	5339.7
Stddev	18.5	200.	15.8
%RSD	.59765	.55903	.29678
#1	3102.9	36039.	5356.7
#2	3076.4	35639.	5337.3
#3	3112.0	35817.	5325.3

Sample Name: CCB Acquired: 4/5/2016 20:20:43 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.623	2.847	.2260	.1566	.0680	11.69
Stddev	5.727	.822	.1484	.0589	.0646	2.63
%RSD	59.51	28.88	65.69	37.65	95.04	22.54
#1	7.744	3.494	.3727	.2054	.0094	10.16
#2	5.073	3.125	.2294	.0911	.1373	10.17
#3	16.05	1.922	.0759	.1732	.0572	14.73

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0847	.2529	-.2103	1.573	-2.249	13.61
Stddev	.1239	.2061	.4543	.298	5.419	2.37
%RSD	146.3	81.49	216.1	18.95	240.9	17.42
#1	-.0557	.3012	-.1436	1.799	-4.302	14.58
#2	.1788	.4305	.2070	1.684	3.896	15.33
#3	.1311	.0270	-.6942	1.235	-6.341	10.91

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	2.934	.0740	-4.874	-.0472	.6531	.2869
Stddev	3.780	.0529	8.345	.6010	1.883	.6720
%RSD	128.8	71.50	171.2	1272.	288.3	234.3
#1	.2547	.1047	3.342	-.7408	-.5409	1.035
#2	7.257	.0129	-4.623	.2806	2.824	.0931
#3	1.289	.1045	-13.34	.3185	-.3238	-.2670

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

Sample Name: CCB Acquired: 4/5/2016 20:20:43 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.571	1.460	-.0737	.1936	-2.948	.6380
Stddev	1.129	1.229	.1092	.1166	.132	.3704
%RSD	43.91	84.20	148.1	60.20	4.478	58.06
#1	-2.040	.1831	-.1965	.3080	-2.929	1.024
#2	-1.805	1.561	-.0367	.0750	-2.826	.6057
#3	-3.867	2.635	.0122	.1979	-3.088	.2848

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8039	-.0181	.3696	9.092
Stddev	.2802	.1431	.1529	11.35
%RSD	34.85	788.7	41.36	124.9
#1	-1.082	.1349	.5455	17.04
#2	-.5220	-.1485	.2684	-3.913
#3	-.8074	-.0409	.2951	14.15

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	3158.0	36550.	5433.5
Stddev	7.4	432.	53.7
%RSD	.23282	1.1817	.98763
#1	3159.7	36705.	5404.5
#2	3164.3	36062.	5400.6
#3	3149.9	36882.	5495.4

Sample Name: 460-111420-E-1-F@5 Acquired: 4/5/2016 19:01:05 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	618.4	1.502	.2266	158.7	.1369	58090.
Stddev	13.0	1.429	.4967	.5	.0804	123.
%RSD	2.098	95.14	219.2	.3190	58.72	.2108
#1	632.0	1.452	-.2688	158.2	.2246	57950.
#2	617.0	.0989	.2239	159.2	.0666	58160.
#3	606.2	2.956	.7246	158.8	.1196	58170.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.117	6.699	2.519	10.59	938.5	1545.
Stddev	.092	.191	.305	.31	7.0	21.
%RSD	4.353	2.846	12.09	2.890	.7493	1.337
#1	2.191	6.604	2.531	10.93	930.5	1526.
#2	2.147	6.918	2.209	10.51	943.5	1542.
#3	2.014	6.575	2.818	10.33	941.5	1567.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2756.	349.8	F 270900.	16.15	274.8	1.739
Stddev	4.	.5	2378.	.62	.9	.495
%RSD	.1380	.1500	.8777	3.857	.3375	28.46
#1	2758.	349.1	268200.	16.85	273.9	1.951
#2	2758.	350.0	272600.	15.94	275.8	1.174
#3	2752.	350.1	271900.	15.66	274.7	2.093

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

Sample Name: 460-111420-E-1-F@5 Acquired: 4/5/2016 19:01:05 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.524	-.5904	1.706	350.1	20.51	.2409
Stddev	2.884	1.182	.575	1.8	.76	.1007
%RSD	63.74	200.2	33.69	.5144	3.718	41.82
#1	-7.787	-1.943	1.183	348.1	21.38	.2602
#2	-2.318	-.0721	2.322	351.7	19.96	.3306
#3	-3.468	.2439	1.615	350.6	20.18	.1319

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4358	216.6	23.36	2543.
Stddev	.6330	.5	.25	21.
%RSD	145.3	.2247	1.064	.8143
#1	1.020	216.1	23.63	2567.
#2	-.2364	217.1	23.14	2527.
#3	.5232	216.4	23.30	2536.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2949.2	33830.	5397.0
Stddev	8.8	174.	88.8
%RSD	.29787	.51478	1.6450
#1	2959.4	34031.	5494.2
#2	2943.9	33743.	5320.1
#3	2944.4	33717.	5376.8

Sample Name: 460-111420-E-2-D@5 Acquired: 4/5/2016 19:05:20 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	174.5	1.978	.1836	198.7	.0866	11480.
Stddev	17.1	2.338	.2420	.3	.0315	8.
%RSD	9.799	118.2	131.8	.1342	36.40	.0737
#1	194.3	2.150	.1066	198.9	.1209	11480.
#2	165.4	-.4418	-.0105	198.4	.0802	11490.
#3	164.0	4.225	.4547	198.8	.0588	11480.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.623	18.66	.7277	5.290	7888.	576.1
Stddev	.049	.19	.2228	.133	38.	12.6
%RSD	3.013	1.004	30.62	2.512	.4835	2.189
#1	1.592	18.81	.8972	5.376	7861.	590.6
#2	1.679	18.72	.8105	5.357	7871.	569.6
#3	1.597	18.45	.4753	5.137	7931.	568.0

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	951.3	328.9	F 266500.	27.25	207.7	.7781
Stddev	3.9	.3	2581.	.49	1.0	.5531
%RSD	.4072	.0887	.9682	1.783	.4971	71.08
#1	952.0	329.2	264300.	26.81	207.6	1.354
#2	954.7	329.0	265900.	27.18	206.8	.2514
#3	947.1	328.6	269400.	27.77	208.8	.7287

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

Sample Name: 460-111420-E-2-D@5 Acquired: 4/5/2016 19:05:20 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.517	1.631	-1.1554	218.9	15.41	-4.115
Stddev	.307	1.383	.1896	.6	.49	.0332
%RSD	8.738	84.77	122.1	.2864	3.205	8.058
#1	-3.609	2.737	-.1578	218.4	15.98	-.3818
#2	-3.174	2.076	.0355	218.8	15.13	-.4055
#3	-3.768	.0807	-.3438	219.6	15.12	-.4473

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5019	69.38	1.360	866.3
Stddev	.1696	.28	.273	7.7
%RSD	33.80	.4089	20.08	.8909
#1	-.4311	69.69	1.118	864.3
#2	-.3791	69.30	1.306	859.8
#3	-.6954	69.14	1.656	874.9

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	2999.2	34562.	5546.7
Stddev	4.9	106.	18.4
%RSD	.16310	.30777	.33256
#1	3004.5	34675.	5566.2
#2	2998.1	34463.	5544.1
#3	2994.9	34547.	5529.6

Sample Name: 460-111460-I-9-B@5 Acquired: 4/5/2016 19:09:36 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117.7	2.306	.0016	65.18	.1625	2509.
Stddev	4.4	.518	.2984	.62	.0335	15.
%RSD	3.718	22.44	19060.	.9551	20.59	.5931

#1	115.0	1.713	.2079	65.87	.1659	2493.
#2	115.4	2.537	.1374	65.01	.1941	2513.
#3	122.8	2.668	-.3406	64.65	.1274	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	.2428	5.258	-.0057	27.58	1.873	409.8
Stddev	.0569	.310	.1515	.50	6.672	14.4
%RSD	23.44	5.898	2649.	1.805	356.3	3.527

#1	.2465	5.477	-.0015	27.02	-.0825	394.4
#2	.2978	4.903	.1436	27.98	9.304	423.0
#3	.1841	5.392	-.1593	27.73	-3.603	411.9

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	452.7	136.5	248500.	3.141	13.16	.0124
Stddev	5.0	.3	2115.	.493	.63	1.385
%RSD	1.113	.2049	.8510	15.68	4.766	11190.

#1	448.7	136.2	248000.	2.846	12.47	.9094
#2	458.4	136.8	250800.	2.867	13.31	.7107
#3	450.9	136.6	246700.	3.710	13.69	-1.583

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

Sample Name: 460-111460-I-9-B@5 Acquired: 4/5/2016 19:09:36 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.154	-.3535	.1610	16.08	8.022	-.2053
Stddev	2.062	1.522	.1831	.26	.344	.0745
%RSD	65.39	430.4	113.7	1.629	4.284	36.28
#1	-2.727	.8085	.0908	16.37	8.287	-.1419
#2	-5.397	.2068	.3688	16.01	8.145	-.1866
#3	-1.339	-2.076	.0235	15.86	7.634	-.2873

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5114	18.28	.3234	248.3
Stddev	.2055	.11	.1568	9.2
%RSD	40.19	.6068	48.47	3.712
#1	-.7399	18.26	.4325	253.2
#2	-.3418	18.40	.1438	254.0
#3	-.4524	18.19	.3939	237.7

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	3029.2	34289.	5376.6
Stddev	13.7	82.	50.0
%RSD	.45105	.23867	.92976
#1	3013.8	34380.	5432.9
#2	3033.5	34221.	5337.2
#3	3040.1	34265.	5359.8

Sample Name: CCV Acquired: 4/5/2016 19:22:31 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119300.	2324.	1174.	9503.	956.0	119900.
Stddev	477.	18.	10.	80.	4.4	1304.
%RSD	.3996	.7539	.8141	.8452	.4599	1.088

#1	119600.	2343.	1184.	9591.	958.9	121200.
#2	119600.	2321.	1171.	9486.	958.1	119800.
#3	118800.	2309.	1165.	9433.	950.9	118600.

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	1193.	2382.	4774.	11680.	97060.	47510.
Stddev	10.	19.	37.	41.	513.	236.
%RSD	.8184	.7951	.7714	.3506	.5289	.4960

#1	1204.	2404.	4811.	11730.	97610.	47740.
#2	1190.	2375.	4773.	11660.	96960.	47530.
#3	1185.	2368.	4737.	11650.	96600.	47270.

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	118600.	4842.	119700.	2373.	7119.	936.0
Stddev	1138.	52.	586.	19.	64.	8.8
%RSD	.9597	1.080	.4896	.8100	.9027	.9407

#1	119800.	4898.	120300.	2394.	7189.	945.3
#2	118500.	4834.	119800.	2366.	7104.	934.7
#3	117500.	4794.	119100.	2357.	7062.	927.8

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

Sample Name: CCV Acquired: 4/5/2016 19:22:31 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2330.	2403.	2373.	2424.	933.7	2361.
Stddev	16.	24.	11.	18.	6.2	18.
%RSD	.7013	.9815	.4612	.7548	.6610	.7761
#1	2345.	2428.	2385.	2444.	940.6	2380.
#2	2331.	2402.	2370.	2417.	931.6	2360.
#3	2313.	2381.	2363.	2410.	928.8	2344.

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	950.9	4830.	9601.	8872.
Stddev	8.5	28.	123.	117.
%RSD	.8973	.5804	1.280	1.321
#1	960.0	4852.	9731.	9007.
#2	949.7	4840.	9487.	8795.
#3	943.1	4799.	9584.	8815.

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	2904.2	33862.	5288.9
Stddev	26.1	433.	33.3
%RSD	.89889	1.2784	.62913
#1	2875.7	33388.	5294.6
#2	2909.9	33961.	5253.1
#3	2927.0	34236.	5319.0

Sample Name: CCB Acquired: 4/5/2016 19:26:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.516	.4142	.3179	.1306	.0634	6.310
Stddev	8.445	1.226	.4871	.0702	.0406	2.054
%RSD	335.6	296.0	153.2	53.75	63.99	32.56

#1	.0555	-.4739	.3716	.0562	.0661	5.511
#2	11.92	1.813	.7759	.1957	.1025	4.775
#3	-4.425	-.0965	-.1938	.1400	.0215	8.644

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0490	.1924	-.4202	1.646	2.815	21.55
Stddev	.0144	.1265	.4613	.343	2.550	22.56
%RSD	29.36	65.72	109.8	20.86	90.56	104.7

#1	.0324	.3367	-.4698	1.256	1.606	43.54
#2	.0580	.1004	.0639	1.779	5.745	-1.529
#3	.0565	.1402	-.8547	1.902	1.096	22.63

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.739	.1207	30.09	-.0023	.6799	-.4985
Stddev	2.061	.0833	4.02	.3189	.6215	.5987
%RSD	75.25	68.99	13.37	13990.	91.41	120.1

#1	4.911	.2137	33.18	-.3263	.1343	-.5307
#2	2.498	.0955	31.55	.3113	1.356	-1.080
#3	.8094	.0530	25.54	.0081	.5490	.1156

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

Sample Name: CCB Acquired: 4/5/2016 19:26:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.323	-.0468	-.0256	.2186	-2.845	.7051
Stddev	.863	.1333	.3225	.2071	.448	.4058
%RSD	37.17	285.1	1260.	94.72	15.76	57.55
#1	-1.469	-.1909	.3354	.4532	-2.372	1.160
#2	-3.196	.0722	-.2853	.0612	-3.264	.5766
#3	-2.303	-.0216	-.1270	.1414	-2.898	.3791

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4286	.0714	.3668	-.0286
Stddev	.9264	.0856	.1120	1.585
%RSD	216.1	119.8	30.52	5537.
#1	-.6679	.0148	.4946	.8208
#2	-1.212	.1699	.3202	-1.857
#3	.5939	.0297	.2857	.9506

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	3217.6	36955.	5567.4
Stddev	7.7	162.	25.7
%RSD	.24042	.43865	.46225
#1	3215.3	37075.	5537.7
#2	3211.3	37018.	5582.4
#3	3226.2	36770.	5582.1

Sample Name: 460-111460-I-21-B@5 Acquired: 4/5/2016 19:34:50 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.32	.3431	-.3335	52.18	.0849	5743.
Stddev	7.21	.6790	.6662	.42	.0711	23.
%RSD	12.58	197.9	199.8	.8074	83.79	.4026

#1	61.00	.1851	-1.063	52.32	.1359	5754.
#2	61.95	1.087	.2422	52.52	.0036	5759.
#3	49.02	-.2429	-.1793	51.71	.1150	5717.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2159	9.275	.0874	4.986	38.50	497.3
Stddev	.1223	.255	.1218	.186	9.68	18.1
%RSD	56.63	2.748	139.4	3.738	25.15	3.638

#1	.1172	9.074	-.0489	4.904	28.40	494.5
#2	.1779	9.189	.1254	4.855	47.70	516.6
#3	.3526	9.562	.1857	5.200	39.40	480.7

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	1745.	606.8	F 269600.	3.422	12.25	-.6085
Stddev	15.	2.3	1449.	.252	1.81	1.773
%RSD	.8548	.3728	.5373	7.375	14.75	291.3

#1	1757.	608.7	268000.	3.217	13.57	-2.224
#2	1749.	607.5	270900.	3.704	10.19	-.8896
#3	1728.	604.3	269900.	3.345	12.99	1.288

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

Sample Name: 460-111460-I-21-B@5 Acquired: 4/5/2016 19:34:50 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.961	.8392	-.0833	15.15	20.04	.1157
Stddev	1.231	.5809	.3194	.18	.26	.2457
%RSD	41.56	69.22	383.3	1.161	1.302	212.4
#1	-1.558	.6351	-.4240	15.32	19.85	.2472
#2	-3.856	.3879	-.0352	15.14	19.93	.2677
#3	-3.470	1.495	.2093	14.97	20.34	-.1678

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2418	23.96	.9503	426.9
Stddev	.6483	.12	.0621	9.0
%RSD	268.2	.5152	6.535	2.100
#1	-.6117	24.09	1.022	434.7
#2	-.6205	23.84	.9103	428.9
#3	.5068	23.96	.9186	417.1

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	2991.2	34588.	5485.8
Stddev	13.7	64.	87.7
%RSD	.45819	.18591	1.5985
#1	2988.3	34590.	5579.8
#2	2979.1	34523.	5471.4
#3	3006.1	34651.	5406.2

Sample Name: 460-111460-I-22-B@5 Acquired: 4/5/2016 19:39:08 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	194.1	2.972	.2593	28.67	.0258	5500.
Stddev	9.6	2.994	.3609	.17	.0588	93.
%RSD	4.958	100.7	139.2	.5954	227.8	1.693

#1	202.7	2.821	.3867	28.83	-.0368	5607.
#2	183.7	.0562	.5393	28.69	.0343	5456.
#3	196.0	6.039	-.1480	28.49	.0799	5437.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7406	2.403	.0648	51.44	176.3	491.7
Stddev	.1333	.016	.3663	.37	3.5	17.9
%RSD	18.01	.6789	565.3	.7131	1.962	3.635

#1	.6356	2.392	-.2434	51.87	180.2	511.5
#2	.6955	2.396	.4698	51.24	173.8	487.0
#3	.8906	2.422	-.0321	51.23	174.8	476.7

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	2855.	117.9	243000.	17.80	5.578	-.3885
Stddev	28.	1.5	2948.	.61	1.026	.4126
%RSD	.9854	1.297	1.214	3.429	18.39	106.2

#1	2887.	119.7	244200.	18.42	6.091	-.4685
#2	2837.	116.9	245100.	17.20	4.397	-.7553
#3	2840.	117.2	239600.	17.79	6.246	.0583

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

Sample Name: 460-111460-I-22-B@5 Acquired: 4/5/2016 19:39:08 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.455	.6661	.4685	63.81	25.32	.0852
Stddev	3.900	.2670	.1385	.61	.07	.2773
%RSD	87.55	40.08	29.56	.9627	.2778	325.5
#1	-2.634	.9286	.5796	64.45	25.35	.0138
#2	-1.799	.3948	.5125	63.22	25.36	-.1495
#3	-8.933	.6750	.3133	63.77	25.23	.3912

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5099	36.22	5.211	290.5
Stddev	.8574	.29	.073	4.3
%RSD	168.1	.8125	1.404	1.482
#1	-1.279	36.40	5.197	286.4
#2	-.6656	36.38	5.290	290.2
#3	.4146	35.88	5.146	295.0

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	3082.9	35217.	5553.2
Stddev	39.6	656.	143.6
%RSD	1.2844	1.8616	2.5856
#1	3037.2	34465.	5387.4
#2	3103.1	35517.	5633.6
#3	3108.2	35668.	5638.5

Sample Name: 460-111460-I-24-B@5 Acquired: 4/5/2016 19:43:26 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.86	.5850	.2694	44.98	.1535	4790.
Stddev	3.61	1.465	.2556	.26	.0731	20.
%RSD	7.105	250.5	94.88	.5694	47.59	.4214

#1	47.10	.8282	.1751	44.72	.1977	4767.
#2	54.31	-.9868	.5588	45.23	.1937	4803.
#3	51.15	1.914	.0743	45.00	.0692	4800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2350	8.194	.0092	5.639	25.70	585.1
Stddev	.1078	.061	.4481	.106	4.61	32.8
%RSD	45.85	.7502	4890.	1.880	17.93	5.607

#1	.3560	8.133	.4865	5.565	27.56	547.5
#2	.1492	8.192	-.4025	5.590	20.45	600.1
#3	.1999	8.256	-.0565	5.760	29.08	607.7

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	1296.	635.3	F 272500.	2.488	5.835	-1.116
Stddev	6.	2.7	1845.	.177	1.106	1.034
%RSD	.4665	.4258	.6770	7.133	18.95	92.59

#1	1291.	632.2	274600.	2.441	4.632	-2.148
#2	1302.	636.4	271900.	2.340	6.806	-.0806
#3	1294.	637.2	271100.	2.685	6.069	-1.120

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

Sample Name: 460-111460-I-24-B@5 Acquired: 4/5/2016 19:43:26 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.176	1.411	-.0133	10.86	19.43	-.0269
Stddev	.337	1.310	.1955	.05	.40	.1482
%RSD	8.065	92.81	1475.	.4986	2.034	551.0
#1	-4.035	-.0947	.2117	10.82	19.31	.1411
#2	-4.561	2.044	-.1087	10.92	19.11	-.1391
#3	-3.933	2.284	-.1427	10.84	19.87	-.0827

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5705	23.31	.7343	369.2
Stddev	.2222	.33	.1091	13.2
%RSD	38.96	1.433	14.85	3.572
#1	-.7990	22.93	.8074	363.7
#2	-.5574	23.47	.7866	359.6
#3	-.3550	23.54	.6089	384.2

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	3058.0	34263.	5434.7
Stddev	9.4	16.	32.3
%RSD	.30604	.04674	.59476
#1	3047.4	34249.	5426.5
#2	3065.0	34258.	5407.3
#3	3061.6	34280.	5470.4

Sample Name: LB 460-360622/1-B@5 Acquired: 4/5/2016 19:47:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.764	.6298	.1980	-.0819	-.0585	10.45
Stddev	1.999	2.593	.1051	.0564	.0252	3.01
%RSD	29.55	411.7	53.09	68.84	43.07	28.81
#1	4.586	-.5242	.0994	-.0240	-.0350	7.094
#2	7.191	3.600	.3086	-.0851	-.0553	11.35
#3	8.516	-1.186	.1860	-.1365	-.0851	12.91

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0197	-.1203	-.1867	2.115	-5.500	89.75
Stddev	.1039	.1283	.2438	.233	6.968	4.13
%RSD	527.1	106.7	130.6	10.99	126.7	4.607
#1	-.0892	-.2264	-.3560	2.199	-3.922	84.98
#2	.0305	-.1568	-.2968	2.293	.5444	92.20
#3	.1178	.0223	.0927	1.852	-13.12	92.08

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.435	.0128	F 294300.	1.063	.3650	-.5020
Stddev	3.713	.0327	1548.	.400	1.112	.8028
%RSD	152.5	255.5	.5260	37.67	304.6	159.9
#1	-2.458	.0506	296000.	.7195	-.8024	-.9289
#2	1.290	-.0074	293600.	.9660	1.411	.4240
#3	-6.136	-.0047	293100.	1.502	.4863	-1.001

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

Sample Name: LB 460-360622/1-B@5 Acquired: 4/5/2016 19:47:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.881	1.348	.1083	1.280	-1.897	.0144
Stddev	2.678	1.114	.1990	.068	.617	.2238
%RSD	92.94	82.65	183.7	5.345	32.53	1551.
#1	-3.057	.9435	-.1196	1.351	-2.507	-.1327
#2	-.1197	2.607	.1973	1.273	-1.910	-.0960
#3	-5.467	.4923	.2472	1.215	-1.273	.2720

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4378	-.0432	.0041	16.85
Stddev	.4541	.0593	.1052	18.11
%RSD	103.7	137.3	2592.	107.5
#1	.0548	-.0969	.1219	27.85
#2	-.8397	-.0532	-.0807	26.76
#3	-.5285	.0205	-.0290	-4.051

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3034.0	34369.	5454.0
Stddev	6.5	96.	26.5
%RSD	.21426	.27941	.48581
#1	3029.4	34364.	5461.0
#2	3031.2	34276.	5476.3
#3	3041.4	34468.	5424.7

Sample Name: MB 460-360437/1-A@2 Acquired: 4/5/2016 19:52:06 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.683	.7561	.1575	-.0951	.0256	6.427
Stddev	5.024	2.021	.1114	.0358	.0740	.891
%RSD	298.6	267.3	70.76	37.62	288.8	13.86
#1	-3.749	2.478	.1298	-.1355	.0780	6.307
#2	6.163	1.260	.0625	-.0673	-.0591	7.372
#3	2.633	-1.470	.2801	-.0825	.0580	5.602

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0166	.1073	-.1451	1.597	-7.332	-4.969
Stddev	.0654	.1109	.1188	.194	2.064	13.08
%RSD	393.9	103.4	81.86	12.15	28.16	263.2
#1	-.0802	.1145	-.0521	1.703	-7.205	9.772
#2	-.0200	-.0071	-.2790	1.715	-9.457	-15.17
#3	.0504	.2144	-.1044	1.373	-5.334	-9.509

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.327	-.0047	65.26	.0289	.2410	-1.155
Stddev	2.763	.0176	23.49	.4001	.2410	.611
%RSD	208.2	372.7	36.00	1383.	100.00	52.93
#1	-1.575	-.0236	91.74	-.4326	.0490	-1.305
#2	1.551	-.0018	57.09	.2770	.5115	-.4824
#3	-3.957	.0112	46.94	.2424	.1626	-1.677

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

Sample Name: MB 460-360437/1-A@2 Acquired: 4/5/2016 19:52:06 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.464	.6917	-.0478	.6739	-3.988	.0772
Stddev	1.716	1.106	.3686	.2542	.090	.1284
%RSD	38.45	159.9	771.5	37.73	2.254	166.3
#1	-5.491	1.819	-.4493	.3815	-3.964	.1934
#2	-2.482	-.3916	.2753	.7975	-4.087	-.0606
#3	-5.418	.6475	.0307	.8427	-3.912	.0987

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.140	-.1302	-.0036	9.061
Stddev	.372	.0582	.1548	6.383
%RSD	32.58	44.69	4250.	70.45
#1	-1.547	-.0631	.1124	14.66
#2	-1.055	-.1612	-.1794	2.111
#3	-.8189	-.1664	.0560	10.41

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	3191.3	36826.	5451.3
Stddev	9.7	179.	48.0
%RSD	.30368	.48595	.88118
#1	3183.6	36877.	5495.8
#2	3188.1	36627.	5457.7
#3	3202.2	36975.	5400.4

Sample Name: LCSSRM 460-360437/2- Acquired: 4/5/2016 19:56:20 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37760.	440.5	190.5	1487.	313.9	31090.
Stddev	165.	3.3	.9	2.	.6	94.
%RSD	.4358	.7424	.4476	.1460	.2010	.3019
#1	37850.	437.5	190.7	1486.	314.0	31190.
#2	37870.	444.0	189.6	1490.	313.2	31000.
#3	37570.	439.9	191.2	1485.	314.5	31080.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	695.6	798.4	886.0	481.8	75410.	11770.
Stddev	1.1	.2	1.1	.9	237.	47.
%RSD	.1600	.0272	.1281	.1962	.3147	.4023
#1	694.4	798.6	885.4	481.2	75640.	11810.
#2	696.6	798.4	887.3	481.3	75170.	11770.
#3	695.9	798.2	885.3	482.9	75410.	11720.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11990.	2021.	11980.	739.3	628.1	304.9
Stddev	23.	5.	40.	1.7	1.1	1.5
%RSD	.1930	.2345	.3299	.2253	.1825	.4970
#1	12020.	2026.	12000.	737.7	626.8	305.9
#2	12000.	2017.	12010.	741.0	629.0	303.2
#3	11970.	2019.	11940.	739.3	628.6	305.7

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

Sample Name: LCSSRM 460-360437/2- Acquired: 4/5/2016 19:56:20 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	686.3	900.9	464.8	936.1	626.3	781.4
Stddev	4.7	8.5	.2	2.9	1.7	1.9
%RSD	.6798	.9466	.0431	.3149	.2690	.2374
#1	687.2	908.5	464.9	933.6	624.8	779.5
#2	690.4	891.7	464.6	935.3	628.1	781.4
#3	681.2	902.4	464.9	939.4	626.0	783.2
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	496.7	415.7	1957.	933.8
Stddev	.6	1.1	3.	10.2
%RSD	.1287	.2580	.1372	1.087
#1	496.2	415.6	1957.	929.5
#2	496.5	416.8	1954.	945.4
#3	497.5	414.7	1959.	926.5
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	3302.3	37787.	5805.6
Stddev	6.4	372.	51.1
%RSD	.19298	.98448	.88056
#1	3307.1	37408.	5750.9
#2	3304.7	38151.	5852.2
#3	3295.0	37803.	5813.6

Sample Name: 460-111434-A-31-B DU Acquired: 4/5/2016 20:00:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69850.	14.63	1.771	64.47	.5890	627.4
Stddev	281.	.55	.283	.12	.0641	3.6
%RSD	.4020	3.746	15.95	.1880	10.89	.5802

#1	69530.	15.23	1.516	64.56	.6431	624.8
#2	69950.	14.51	1.723	64.33	.6058	625.8
#3	70070.	14.16	2.075	64.51	.5181	631.5

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	-.3227	3.383	79.87	27.70	52400.	881.8
Stddev	.0456	.243	.67	.23	182.	8.1
%RSD	14.13	7.171	.8385	.8381	.3475	.9220

#1	-.2989	3.629	79.37	27.97	52200.	886.7
#2	-.3753	3.144	79.61	27.61	52550.	872.5
#3	-.2939	3.377	80.63	27.53	52450.	886.4

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	1052.	51.51	33.22	18.86	32.20	1.593
Stddev	10.	.22	5.65	.24	.78	.762
%RSD	.9059	.4282	17.00	1.286	2.431	47.80

#1	1041.	51.35	37.29	18.70	32.93	2.468
#2	1059.	51.76	26.77	18.74	31.38	1.075
#3	1057.	51.40	35.60	19.14	32.30	1.237

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

Sample Name: 460-111434-A-31-B DU Acquired: 4/5/2016 20:00:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.493	.8308	98.42	23.90	-1.750	2.738
Stddev	1.876	.3708	.25	.23	.658	.329
%RSD	53.71	44.63	.2539	.9762	37.61	12.02
#1	-3.603	1.209	98.64	24.11	-1.749	3.105
#2	-1.565	.4678	98.15	23.65	-1.092	2.643
#3	-5.313	.8156	98.45	23.96	-2.409	2.468

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.98	4.128	601.2	1069.
Stddev	1.32	.063	1.7	8.
%RSD	8.277	1.519	.2838	.7022
#1	15.67	4.080	599.5	1071.
#2	17.43	4.199	601.3	1076.
#3	14.84	4.104	602.9	1061.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3212.1	36623.	5577.9
Stddev	19.0	187.	65.5
%RSD	.59299	.51023	1.1735
#1	3192.7	36652.	5636.8
#2	3212.8	36423.	5507.4
#3	3230.8	36794.	5589.6

Sample Name: sd 460-111434-A-31-A Acquired: 4/5/2016 20:08:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13620.	2.510	.3295	12.48	.1091	127.9
Stddev	69.	1.981	.1706	.03	.0866	1.0
%RSD	.5100	78.92	51.78	.2253	79.36	.8015

#1	13660.	.4249	.3221	12.46	.2090	127.6
#2	13550.	4.366	.1628	12.47	.0592	127.1
#3	13670.	2.738	.5038	12.51	.0590	129.1

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0119	.7196	15.01	6.813	10330.	150.0
Stddev	.0109	.1262	.58	.379	52.	13.7
%RSD	91.54	17.53	3.857	5.567	.5065	9.111

#1	-.0150	.8639	14.47	6.968	10280.	135.7
#2	.0002	.6300	15.62	7.090	10340.	163.0
#3	-.0209	.6650	14.93	6.381	10380.	151.4

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	207.2	9.885	3.837	3.811	6.092	-1.404
Stddev	.7	.034	2.278	.333	1.434	1.229
%RSD	.3567	.3461	59.37	8.741	23.54	87.54

#1	206.9	9.884	5.865	3.639	7.030	-.4319
#2	206.7	9.920	4.273	4.195	6.805	-2.785
#3	208.1	9.851	1.372	3.599	4.441	-.9945

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

Sample Name: sd 460-111434-A-31-A Acquired: 4/5/2016 20:08:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.809	.5720	18.59	4.817	-3.826	.4347
Stddev	2.856	.0910	.64	.072	.225	.1618
%RSD	101.6	15.90	3.461	1.495	5.891	37.23
#1	-5.326	.5502	17.86	4.766	-3.568	.3156
#2	.2940	.6719	18.83	4.786	-3.988	.6190
#3	-3.396	.4939	19.08	4.899	-3.921	.3695

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.639	.7728	116.7	208.3
Stddev	.248	.0689	.5	10.5
%RSD	9.400	8.921	.4713	5.058
#1	2.353	.7176	116.3	217.7
#2	2.790	.7507	116.5	196.9
#3	2.775	.8501	117.3	210.3

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	3191.1	36735.	5467.3
Stddev	26.4	215.	31.1
%RSD	.82592	.58402	.56900
#1	3218.8	36925.	5443.5
#2	3188.1	36778.	5502.5
#3	3166.4	36502.	5455.9

Sample Name: 460-111434-A-31-C MS Acquired: 4/5/2016 20:12:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105000.	867.8	24.93	1026.	25.22	10120.
Stddev	82.	1.1	.45	2.	.18	20.
%RSD	.0777	.1297	1.814	.1498	.7237	.1973
#1	104900.	869.0	25.45	1027.	25.01	10130.
#2	105000.	867.4	24.70	1027.	25.36	10130.
#3	105000.	866.8	24.63	1024.	25.28	10100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.29	245.6	201.4	150.3	60330.	10020.
Stddev	.11	.2	.5	.2	94.	37.
%RSD	.4565	.0752	.2687	.1189	.1555	.3696
#1	23.38	245.7	200.9	150.3	60400.	10020.
#2	23.17	245.4	201.9	150.5	60370.	9981.
#3	23.30	245.7	201.5	150.2	60230.	10050.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10430.	302.4	9536.	271.8	274.5	127.3
Stddev	26.	.6	22.	.2	1.6	.5
%RSD	.2468	.2111	.2271	.0776	.5814	.4315
#1	10440.	303.1	9550.	271.9	275.3	127.9
#2	10440.	302.3	9547.	271.6	275.5	126.9
#3	10400.	301.8	9511.	272.0	272.6	127.2

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

Sample Name: 460-111434-A-31-C MS Acquired: 4/5/2016 20:12:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	864.4	993.5	361.8	277.6	204.0	229.2
Stddev	6.7	4.7	.4	.7	.6	.6
%RSD	.7708	.4763	.1002	.2484	.3106	.2411

#1	863.3	998.4	361.6	276.8	204.6	229.3
#2	871.6	988.9	362.2	277.7	204.1	229.7
#3	858.4	993.3	361.7	278.2	203.4	228.6

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	231.1	248.2	944.8	1248.
Stddev	.9	.4	1.4	26.
%RSD	.3883	.1486	.1465	2.098

#1	232.1	248.5	943.7	1243.
#2	230.8	248.2	946.4	1225.
#3	230.4	247.8	944.4	1277.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3140.3	35908.	5465.4
Stddev	16.5	309.	53.6
%RSD	.52461	.86182	.98051

#1	3121.3	35620.	5437.5
#2	3148.8	35870.	5431.6
#3	3150.9	36235.	5527.2

Sample Name: CCV Acquired: 4/5/2016 20:16:39 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119200.	2265.	1165.	9301.	952.4	117300.
Stddev	305.	7.	4.	6.	3.6	503.
%RSD	.2560	.3119	.3653	.0630	.3803	.4286

#1	118900.	2259.	1160.	9297.	948.5	116900.
#2	119100.	2263.	1168.	9297.	953.1	117900.
#3	119500.	2273.	1166.	9307.	955.7	117200.

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	1171.	2345.	4649.	11540.	96130.	47030.
Stddev	3.	2.	16.	13.	260.	32.
%RSD	.2259	.0682	.3450	.1169	.2703	.0671

#1	1169.	2345.	4637.	11520.	95850.	46990.
#2	1170.	2344.	4667.	11550.	96370.	47050.
#3	1174.	2347.	4642.	11550.	96160.	47050.

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.	4755.	120200.	2322.	6941.	919.1
Stddev	510.	18.	164.	3.	10.	.4
%RSD	.4412	.3801	.1362	.1099	.1505	.0477

#1	115100.	4738.	120100.	2322.	6929.	919.6
#2	116100.	4774.	120400.	2320.	6947.	918.9
#3	115500.	4754.	120300.	2325.	6946.	918.7

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

Sample Name: CCV Acquired: 4/5/2016 20:16:39 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2270.	2361.	2336.	2394.	910.7	2319.
Stddev	3.	37.	4.	10.	.9	3.
%RSD	.1352	1.557	.1806	.4287	.0947	.1209

#1	2269.	2339.	2331.	2386.	911.5	2317.
#2	2274.	2340.	2340.	2392.	911.0	2318.
#3	2268.	2403.	2337.	2406.	909.8	2322.

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	933.2	4779.	9603.	8909.
Stddev	3.0	6.	31.	72.
%RSD	.3175	.1231	.3264	.8038

#1	930.2	4773.	9592.	8836.
#2	933.1	4777.	9638.	8910.
#3	936.2	4785.	9578.	8979.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2943.7	34178.	5392.0
Stddev	2.7	166.	16.4
%RSD	.09248	.48629	.30420

#1	2946.8	34262.	5407.8
#2	2941.7	33986.	5375.1
#3	2942.7	34285.	5393.1

Sample Name: CCVL Acquired: 4/5/2016 20:25:01 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	226.7	14.17	9.452	199.3	1.943	4865.
Stddev	10.2	.40	.163	.9	.070	28.
%RSD	4.517	2.795	1.727	.4515	3.578	.5754

#1	236.6	14.09	9.398	198.3	2.008	4844.
#2	227.2	14.60	9.635	199.5	1.950	4897.
#3	216.2	13.82	9.322	200.0	1.870	4854.

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	4.031	51.15	9.614	24.58	167.0	4690.
Stddev	.047	.20	.349	.24	4.2	29.
%RSD	1.156	.3909	3.636	.9665	2.502	.6206

#1	4.021	51.23	9.345	24.34	164.2	4714.
#2	3.990	50.92	9.487	24.82	171.8	4699.
#3	4.082	51.29	10.01	24.59	165.0	4658.

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	4728.	15.54	4836.	41.17	11.54	18.67
Stddev	23.	.12	20.	.15	.59	.93
%RSD	.4896	.7983	.4084	.3654	5.123	4.985

#1	4723.	15.40	4836.	41.11	10.98	18.03
#2	4754.	15.60	4817.	41.34	12.16	19.73
#3	4708.	15.62	4856.	41.06	11.50	18.23

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

Sample Name: CCVL Acquired: 4/5/2016 20:25:01 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.31	23.23	48.60	30.84	43.48	19.20
Stddev	.95	.54	.45	.25	.05	.12
%RSD	6.188	2.309	.9226	.8061	.1126	.6339

#1	14.43	23.11	48.33	30.66	43.53	19.30
#2	16.31	23.81	49.12	30.74	43.49	19.06
#3	15.19	22.76	48.36	31.12	43.43	19.23

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.32	19.86	20.29	F 7.594
Stddev	.26	.23	.04	8.700
%RSD	.5343	1.146	.2137	114.6

#1	48.24	20.12	20.27	17.30
#2	48.61	19.70	20.27	.5082
#3	48.11	19.76	20.34	4.970

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	3128.1	36261.	5344.1
Stddev	5.1	146.	43.4
%RSD	.16450	.40242	.81189

#1	3127.2	36176.	5392.6
#2	3123.5	36179.	5309.0
#3	3133.7	36430.	5330.7

Sample Name: pds 460-111434-A-31- Acquired: 4/5/2016 20:34:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70130.	1670.	45.27	1854.	46.90	18420.
Stddev	244.	8.	.13	7.	.16	202.
%RSD	.3474	.4724	.2977	.3676	.3490	1.094
#1	69870.	1671.	45.38	1862.	46.94	18650.
#2	70350.	1678.	45.12	1853.	47.04	18340.
#3	70160.	1662.	45.31	1848.	46.72	18270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.43	459.1	262.6	245.4	51030.	17390.
Stddev	.37	1.7	2.0	1.1	119.	32.
%RSD	.8253	.3737	.7553	.4661	.2322	.1833
#1	44.85	461.1	263.4	244.1	51060.	17430.
#2	44.26	458.2	264.0	246.0	50900.	17370.
#3	44.18	458.1	260.3	246.1	51130.	17380.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18050.	513.4	18140.	474.9	481.5	421.4
Stddev	154.	4.3	67.	2.4	.5	2.4
%RSD	.8504	.8429	.3712	.5020	.1034	.5627
#1	18230.	518.4	18180.	477.2	482.0	424.1
#2	18000.	511.2	18180.	475.1	481.0	420.2
#3	17940.	510.7	18060.	472.4	481.4	419.8

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

Sample Name: pds 460-111434-A-31- Acquired: 4/5/2016 20:34:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1685.	1890.	547.9	485.0	432.9	445.1
Stddev	10.	31.	1.8	3.3	.7	2.3
%RSD	.5971	1.638	.3345	.6704	.1613	.5086
#1	1683.	1886.	548.4	487.9	433.7	445.7
#2	1695.	1923.	549.5	485.6	432.4	447.0
#3	1676.	1861.	545.9	481.5	432.6	442.6

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	465.1	462.0	1050.	1098.
Stddev	2.3	3.4	1.	17.
%RSD	.4880	.7277	.1053	1.517
#1	465.8	465.9	1049.	1083.
#2	466.9	460.5	1050.	1097.
#3	462.5	459.7	1051.	1116.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3136.6	35944.	5491.7
Stddev	23.6	327.	72.0
%RSD	.75301	.91001	1.3109
#1	3109.8	35567.	5434.7
#2	3145.4	36102.	5467.7
#3	3154.5	36162.	5572.6

Sample Name: 460-111434-A-27-A@4 Acquired: 4/5/2016 20:38:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61170.	16.29	2.039	62.78	.5156	888.4
Stddev	71.	3.33	.256	.06	.1116	6.9
%RSD	.1157	20.41	12.54	.0943	21.65	.7768

#1	61090.	18.70	1.758	62.73	.4151	893.7
#2	61230.	17.69	2.259	62.77	.6357	891.0
#3	61190.	12.50	2.099	62.85	.4960	880.6

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	-.2131	3.102	75.87	28.50	57450.	807.8
Stddev	.0655	.120	.67	.32	141.	46.2
%RSD	30.71	3.853	.8893	1.128	.2461	5.715

#1	-.2137	3.056	75.42	28.22	57410.	859.8
#2	-.1474	3.011	76.65	28.85	57610.	791.9
#3	-.2783	3.237	75.54	28.44	57330.	771.7

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	952.7	53.13	11.09	15.56	37.70	.6619
Stddev	8.5	.23	4.88	.21	.41	1.235
%RSD	.8908	.4272	44.05	1.335	1.080	186.7

#1	948.5	53.03	16.57	15.71	37.32	-.3026
#2	962.5	53.39	7.186	15.65	38.13	.2338
#3	947.2	52.96	9.514	15.33	37.66	2.054

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

Sample Name: 460-111434-A-27-A@4 Acquired: 4/5/2016 20:38:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.877	1.042	104.1	33.61	3.703	2.836
Stddev	2.372	2.232	.4	.06	.165	.038
%RSD	82.44	214.2	.3985	.1807	4.450	1.330
#1	1.873	1.027	103.9	33.59	3.674	2.795
#2	5.586	3.281	104.6	33.57	3.555	2.841
#3	1.172	-1.182	103.9	33.68	3.880	2.870

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.20	5.779	594.7	1015.
Stddev	.42	.089	.4	14.
%RSD	2.566	1.534	.0687	1.348
#1	15.89	5.793	594.9	1009.
#2	16.04	5.859	594.2	1031.
#3	16.67	5.684	595.0	1006.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3197.1	36848.	5537.7
Stddev	13.1	337.	36.0
%RSD	.40892	.91541	.65014
#1	3192.9	36685.	5505.2
#2	3186.7	36623.	5531.3
#3	3211.8	37236.	5576.4

Sample Name: 460-111434-A-28-A@4 Acquired: 4/5/2016 20:42:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61960.	13.87	1.810	59.39	.5357	534.0
Stddev	113.	1.43	.073	.22	.0442	3.4
%RSD	.1821	10.29	4.013	.3725	8.256	.6369

#1	61980.	12.55	1.863	59.31	.4974	532.3
#2	62060.	13.67	1.727	59.22	.5841	531.8
#3	61840.	15.38	1.841	59.64	.5257	537.9

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3226	3.302	73.88	28.67	51600.	768.2
Stddev	.1109	.102	.47	.23	276.	34.4
%RSD	34.37	3.090	.6392	.7922	.5340	4.478

#1	-.2746	3.409	73.37	28.65	51600.	736.7
#2	-.4494	3.292	73.96	28.91	51330.	804.9
#3	-.2438	3.206	74.30	28.46	51880.	763.0

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	981.9	50.90	4.098	16.13	31.30	.5502
Stddev	6.3	.48	3.281	.30	1.33	2.394
%RSD	.6373	.9344	80.06	1.853	4.258	435.1

#1	984.8	50.82	6.816	16.38	29.77	3.315
#2	974.7	50.47	.4539	16.22	32.17	-.8173
#3	986.1	51.41	5.023	15.80	31.98	-.8467

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

Sample Name: 460-111434-A-28-A@4 Acquired: 4/5/2016 20:42:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.247	-.7905	94.34	24.64	-.5690	2.499
Stddev	4.871	1.497	.63	.27	.2087	.172
%RSD	390.6	189.3	.6643	1.105	36.68	6.862
#1	5.861	-2.518	94.48	24.42	-.5184	2.605
#2	1.727	.0274	93.65	24.56	-.7983	2.590
#3	-3.846	.1190	94.88	24.94	-.3902	2.301

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.67	3.872	593.0	906.1
Stddev	.80	.093	1.2	30.3
%RSD	5.439	2.396	.2089	3.344
#1	15.54	3.782	592.3	884.1
#2	14.50	3.967	592.2	940.7
#3	13.97	3.868	594.4	893.5

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	3215.4	36763.	5534.7
Stddev	13.6	169.	28.6
%RSD	.42329	.46057	.51727
#1	3206.1	36809.	5555.4
#2	3209.1	36904.	5546.6
#3	3231.0	36575.	5502.0

Sample Name: 460-111434-A-30-A@4 Acquired: 4/5/2016 20:51:11 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66370.	16.81	2.151	65.87	.7440	4129.
Stddev	152.	1.51	.408	.20	.0687	38.
%RSD	.2289	8.956	18.95	.3107	9.239	.9319

#1	66200.	18.46	2.057	65.78	.8225	4119.
#2	66410.	15.52	1.799	66.10	.6946	4171.
#3	66490.	16.45	2.597	65.72	.7150	4096.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1593	3.638	78.90	31.27	55420.	859.2
Stddev	.0110	.091	1.15	.45	224.	26.4
%RSD	6.935	2.513	1.454	1.449	.4046	3.072

#1	-.1467	3.615	77.84	31.10	55270.	833.1
#2	-.1640	3.738	80.12	31.79	55680.	858.7
#3	-.1672	3.559	78.73	30.93	55320.	885.9

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	1683.	63.69	8.142	17.86	38.41	1.224
Stddev	9.	.29	2.562	.36	.70	.498
%RSD	.5557	.4593	31.47	1.996	1.823	40.68

#1	1684.	63.59	10.43	17.57	37.66	1.118
#2	1692.	64.02	5.372	18.26	39.04	1.766
#3	1673.	63.46	8.627	17.76	38.53	.7875

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

Sample Name: 460-111434-A-30-A@4 Acquired: 4/5/2016 20:51:11 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.704	-4.882	100.5	30.08	-3.452	2.659
Stddev	1.359	1.002	.5	.08	.292	.206
%RSD	50.28	205.2	.4984	.2761	8.474	7.767
#1	1.252	.4796	100.2	30.16	-3.149	2.481
#2	2.914	-1.521	101.1	29.99	-3.475	2.885
#3	3.946	-.4232	100.3	30.10	-3.733	2.610

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.81	10.86	592.4	918.0
Stddev	.58	.08	.7	12.8
%RSD	3.657	.6991	.1201	1.388
#1	16.36	10.82	591.8	903.5
#2	15.21	10.95	592.3	927.2
#3	15.88	10.82	593.2	923.4

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	3267.0	36907.	5690.2
Stddev	8.8	241.	9.2
%RSD	.26912	.65429	.16091
#1	3260.2	37020.	5699.9
#2	3264.0	36629.	5681.6
#3	3276.9	37070.	5689.1

Sample Name: 460-111434-A-29-A@4 Acquired: 4/5/2016 20:47:02 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60330.	13.54	2.030	58.72	.5788	726.9
Stddev	285.	.65	.042	.08	.0514	5.0
%RSD	.4721	4.821	2.085	.1297	8.881	.6835

#1	60410.	14.29	2.022	58.66	.6382	721.5
#2	60010.	13.07	1.992	58.81	.5475	731.2
#3	60560.	13.27	2.076	58.69	.5509	727.9

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2991	3.191	72.18	27.21	51630.	779.5
Stddev	.0259	.266	.29	.36	120.	20.0
%RSD	8.648	8.339	.4040	1.308	.2319	2.560

#1	-.3249	3.484	72.11	27.16	51500.	781.9
#2	-.2731	3.124	72.50	27.59	51740.	758.4
#3	-.2992	2.965	71.93	26.88	51640.	798.1

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	900.6	48.37	-1.240	16.03	30.79	1.310
Stddev	8.3	.35	6.016	.20	.40	.790
%RSD	.9265	.7338	485.1	1.217	1.299	60.31

#1	895.6	47.99	2.739	16.22	30.71	2.215
#2	910.2	48.70	-8.160	16.04	30.43	.9598
#3	896.0	48.42	1.702	15.83	31.22	.7557

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

Sample Name: 460-111434-A-29-A@4 Acquired: 4/5/2016 20:47:02 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.872	.5866	91.86	22.56	-3.251	2.448
Stddev	2.209	1.464	.28	.05	.224	.262
%RSD	76.89	249.6	.3067	.2268	6.875	10.69
#1	4.358	-1.091	91.84	22.53	-3.460	2.696
#2	3.925	1.245	91.58	22.62	-3.276	2.473
#3	.3344	1.606	92.15	22.53	-3.016	2.175

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	14.83	3.528	550.7	976.7
Stddev	.18	.125	1.3	7.8
%RSD	1.228	3.540	.2432	.7981
#1	14.99	3.392	552.2	967.8
#2	14.63	3.638	549.6	980.5
#3	14.86	3.555	550.2	982.0

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	3274.6	37051.	5708.1
Stddev	4.3	240.	18.0
%RSD	.13061	.64864	.31598
#1	3272.0	37236.	5689.2
#2	3272.1	36779.	5709.8
#3	3279.5	37137.	5725.2

Sample Name: 460-111317-A-1-A@4 Acquired: 4/5/2016 21:03:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50680.	19.23	3.057	256.4	2.424	22570.
Stddev	173.	1.72	.655	.3	.052	58.
%RSD	.3403	8.933	21.42	.1299	2.132	.2579
#1	50480.	21.14	3.662	256.0	2.366	22510.
#2	50780.	18.77	3.147	256.6	2.465	22580.
#3	50780.	17.80	2.361	256.6	2.442	22620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3444	33.89	84.86	77.38	78120.	5562.
Stddev	.0955	.09	.54	.36	312.	7.
%RSD	27.74	.2628	.6348	.4633	.3989	.1227
#1	.3411	33.94	84.24	77.14	77770.	5559.
#2	.4415	33.78	85.12	77.79	78360.	5556.
#3	.2505	33.94	85.22	77.21	78230.	5570.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10950.	1046.	132.2	57.79	235.1	1.094
Stddev	6.	4.	5.7	.10	1.1	.846
%RSD	.0591	.3501	4.298	.1787	.4492	77.35
#1	10950.	1042.	126.1	57.67	234.1	2.071
#2	10960.	1050.	137.2	57.81	236.2	.5798
#3	10960.	1047.	133.4	57.88	234.8	.6318

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

Sample Name: 460-111317-A-1-A@4 Acquired: 4/5/2016 21:03:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.697	-1.789	112.3	309.5	4.461	2.075
Stddev	2.913	.776	.8	.5	.153	.203
%RSD	43.50	43.41	.7086	.1583	3.418	9.810
#1	4.258	-.9042	111.6	309.3	4.482	2.308
#2	5.910	-2.104	112.2	309.1	4.602	1.983
#3	9.922	-2.358	113.2	310.1	4.299	1.933

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	28.82	65.34	1544.	849.7
Stddev	.88	.11	4.	24.6
%RSD	3.056	.1681	.2455	2.894
#1	29.84	65.23	1539.	827.6
#2	28.35	65.34	1545.	876.2
#3	28.28	65.45	1546.	845.4

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	3383.7	38739.	6046.6
Stddev	14.0	131.	24.8
%RSD	.41499	.33719	.40939
#1	3391.9	38877.	6065.8
#2	3391.6	38725.	6055.5
#3	3367.4	38616.	6018.7

Sample Name: 460-111319-A-1-A@4 Acquired: 4/5/2016 21:11:52 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85510.	30.54	3.766	430.7	4.187	F 289100.
Stddev	519.	2.61	.355	.6	.044	2379.
%RSD	.6067	8.556	9.423	.1393	1.046	.8227
#1	85270.	32.49	3.461	430.3	4.193	287500.
#2	85150.	31.55	4.155	430.5	4.227	288100.
#3	86100.	27.57	3.681	431.4	4.140	291900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.410	42.23	135.6	107.8	122000.	13480.
Stddev	.060	.02	.6	.7	620.	98.
%RSD	4.250	.0396	.4788	.6420	.5080	.7282
#1	1.474	42.23	134.9	108.6	121400.	13400.
#2	1.402	42.21	136.0	107.3	122000.	13450.
#3	1.355	42.24	136.0	107.6	122600.	13590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	180200.	2276.	457.0	72.98	198.2	-1.449
Stddev	1001.	18.	9.1	.78	1.7	.737
%RSD	.5553	.7890	1.984	1.064	.8673	50.87
#1	179700.	2265.	453.2	73.73	198.9	-2.150
#2	179500.	2267.	450.5	72.18	196.2	-.6804
#3	181300.	2297.	467.4	73.03	199.5	-1.517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111319-A-1-A@4 Acquired: 4/5/2016 21:11:52 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6070	-1.144	214.1	312.6	1.602	2.908
Stddev	1.748	.712	1.3	1.3	.797	.199
%RSD	288.0	62.25	.6262	.4225	49.76	6.826
#1	1.730	-.4693	215.6	313.9	1.851	2.783
#2	1.498	-1.889	213.6	312.7	2.246	3.137
#3	-1.407	-1.075	213.0	311.2	.7103	2.804

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	19.68	118.5	3956.	1008.
Stddev	.21	.6	12.	7.
%RSD	1.085	.5370	.3151	.6904
#1	19.44	118.0	3943.	1005.
#2	19.84	118.2	3959.	1015.
#3	19.77	119.2	3967.	1002.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3226.3	37563.	5934.3
Stddev	16.0	300.	61.5
%RSD	.49660	.79879	1.0368
#1	3241.0	37713.	5963.8
#2	3228.7	37759.	5975.5
#3	3209.2	37218.	5863.6

Sample Name: CCV Acquired: 4/5/2016 21:15:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120400.	2249.	1153.	9236.	956.5	113800.
Stddev	443.	4.	2.	14.	3.9	518.
%RSD	.3675	.1715	.2142	.1532	.4055	.4554

#1	120100.	2245.	1155.	9221.	952.8	114400.
#2	120200.	2251.	1150.	9238.	956.2	113400.
#3	120900.	2252.	1152.	9249.	960.5	113600.

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	1158.	2332.	4567.	11600.	94730.	47150.
Stddev	1.	3.	9.	59.	268.	99.
%RSD	.0856	.1282	.1921	.5060	.2826	.2105

#1	1157.	2329.	4566.	11540.	95010.	47040.
#2	1158.	2331.	4559.	11630.	94680.	47150.
#3	1159.	2335.	4577.	11650.	94480.	47240.

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	112500.	4626.	121500.	2311.	6851.	921.4
Stddev	318.	17.	144.	7.	20.	2.9
%RSD	.2823	.3594	.1187	.3044	.2918	.3155

#1	112800.	4645.	121700.	2303.	6828.	918.1
#2	112200.	4612.	121400.	2313.	6862.	923.6
#3	112600.	4623.	121500.	2317.	6864.	922.5

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

Sample Name: CCV Acquired: 4/5/2016 21:15:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2263.	2390.	2327.	2357.	913.5	2318.
Stddev	9.	21.	4.	1.	4.4	9.
%RSD	.3808	.8930	.1550	.0526	.4821	.3770

#1	2253.	2370.	2323.	2358.	908.6	2308.
#2	2268.	2413.	2329.	2359.	915.0	2324.
#3	2269.	2386.	2330.	2356.	917.0	2322.

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	921.5	4757.	9496.	9016.
Stddev	4.8	11.	49.	27.
%RSD	.5241	.2207	.5159	.2977

#1	916.0	4747.	9453.	9047.
#2	924.0	4768.	9550.	9001.
#3	924.6	4755.	9487.	9001.

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	2945.2	34971.	5372.4
Stddev	8.3	94.	58.3
%RSD	.28069	.26870	1.0845

#1	2954.6	34872.	5425.4
#2	2938.8	35059.	5381.8
#3	2942.3	34982.	5310.0

Sample Name: 460-111434-A-32-A@4 Acquired: 4/5/2016 20:55:21 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58650.	15.04	1.977	59.54	.5393	1160.
Stddev	54.	2.50	.459	.24	.0880	8.
%RSD	.0926	16.64	23.22	.4095	16.33	.6981

#1	58710.	15.54	2.227	59.26	.5487	1153.
#2	58610.	17.25	2.256	59.73	.6223	1158.
#3	58630.	12.32	1.447	59.62	.4469	1169.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3094	3.000	72.41	27.83	52400.	750.6
Stddev	.0646	.112	.31	.27	350.	18.4
%RSD	20.88	3.731	.4330	.9573	.6681	2.445

#1	-.2422	3.085	72.33	28.09	52000.	760.6
#2	-.3710	2.873	72.14	27.56	52590.	729.4
#3	-.3150	3.042	72.75	27.83	52610.	761.8

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	991.4	51.60	9.355	15.65	32.62	-.0304
Stddev	3.5	.23	10.41	.05	1.19	.9260
%RSD	.3550	.4544	111.2	.2901	3.662	3051.

#1	990.9	51.37	21.33	15.71	32.80	.9442
#2	995.1	51.59	4.262	15.63	31.35	-.1367
#3	988.1	51.84	2.475	15.62	33.71	-.8986

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

Sample Name: 460-111434-A-32-A@4 Acquired: 4/5/2016 20:55:21 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.061	-3.8958	94.17	24.93	-3.762	2.703
Stddev	2.725	.9440	.21	.24	.192	.039
%RSD	89.03	105.4	.2216	.9761	5.094	1.450
#1	.7913	-1.017	94.20	24.66	-3.983	2.658
#2	6.084	.1029	93.95	25.13	-3.663	2.723
#3	2.309	-1.774	94.37	25.01	-3.639	2.729

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.76	4.325	554.8	981.2
Stddev	.50	.059	1.9	21.6
%RSD	3.168	1.359	.3471	2.197
#1	15.34	4.377	552.6	966.6
#2	16.31	4.261	555.7	1006.
#3	15.64	4.337	556.2	971.2

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	3284.0	37267.	5809.0
Stddev	9.0	255.	82.4
%RSD	.27551	.68412	1.4187
#1	3293.8	37560.	5863.4
#2	3282.2	37099.	5849.3
#3	3276.0	37141.	5714.1

Sample Name: 460-111448-F-1-A@4 Acquired: 4/5/2016 20:59:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52210.	185.3	4.641	811.5	3.833	83370.
Stddev	154.	3.0	.137	.6	.065	351.
%RSD	.2955	1.593	2.959	.0720	1.692	.4205

#1	52250.	185.2	4.739	812.1	3.766	83040.
#2	52040.	188.3	4.484	811.6	3.895	83330.
#3	52340.	182.4	4.699	810.9	3.837	83740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.145	46.51	176.4	458.3	126200.	9735.
Stddev	.191	.20	.6	.4	522.	86.
%RSD	8.924	.4219	.3229	.0956	.4139	.8867

#1	2.040	46.59	175.7	458.3	125700.	9786.
#2	2.366	46.65	176.5	457.8	126200.	9784.
#3	2.030	46.29	176.8	458.7	126700.	9635.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30550.	2365.	2579.	139.1	2455.	5.026
Stddev	77.	9.	11.	.4	5.	.817
%RSD	.2536	.3892	.4166	.2949	.2132	16.26

#1	30480.	2355.	2569.	139.6	2461.	5.654
#2	30540.	2365.	2577.	138.9	2455.	4.102
#3	30630.	2373.	2590.	138.9	2450.	5.322

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

Sample Name: 460-111448-F-1-A@4 Acquired: 4/5/2016 20:59:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.518	-1.257	271.2	1033.	31.51	32.59
Stddev	1.633	.663	1.1	3.	.17	.02
%RSD	36.14	52.73	.4157	.2905	.5419	.0517
#1	3.982	-1.184	269.9	1029.	31.45	32.57
#2	3.221	-.6338	271.8	1035.	31.37	32.60
#3	6.351	-1.953	272.0	1034.	31.70	32.60

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	27.20	416.1	2835.	2983.
Stddev	.73	1.0	9.	9.
%RSD	2.667	.2508	.3006	.3175
#1	26.50	416.6	2827.	2983.
#2	27.17	414.9	2834.	2993.
#3	27.95	416.8	2843.	2974.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3374.2	38574.	6083.4
Stddev	7.4	117.	95.1
%RSD	.22001	.30313	1.5631
#1	3376.7	38676.	5975.1
#2	3365.9	38600.	6121.8
#3	3380.1	38446.	6153.2

Sample Name: 460-111318-A-1-A@4 Acquired: 4/5/2016 21:07:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67910.	20.55	3.514	415.4	3.345	8039.
Stddev	872.	.94	.251	.4	.110	18.
%RSD	1.283	4.591	7.135	.0874	3.280	.2189

#1	68910.	20.08	3.339	415.8	3.361	8056.
#2	67330.	19.93	3.801	415.3	3.228	8041.
#3	67480.	21.63	3.402	415.1	3.446	8021.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0851	38.86	144.5	76.61	109300.	8932.
Stddev	.0949	.19	.2	.31	304.	53.
%RSD	111.5	.4888	.1367	.4008	.2780	.5970

#1	.1920	38.71	144.7	76.65	109100.	8990.
#2	.0111	39.08	144.5	76.90	109100.	8886.
#3	.0520	38.81	144.3	76.29	109600.	8919.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14150.	1478.	1222.	76.57	416.3	1.097
Stddev	61.	5.	12.	.38	1.8	1.804
%RSD	.4283	.3236	.9837	.4981	.4407	164.5

#1	14210.	1483.	1235.	76.36	417.4	-.8060
#2	14150.	1478.	1211.	77.01	417.3	2.782
#3	14090.	1473.	1220.	76.35	414.2	1.315

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

Sample Name: 460-111318-A-1-A@4 Acquired: 4/5/2016 21:07:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.508	-7.714	159.6	348.3	4.230	4.463
Stddev	2.985	1.353	.6	1.7	.511	.097
%RSD	39.76	175.4	.3593	.4827	12.07	2.165
#1	10.92	-3.719	158.9	346.4	4.685	4.449
#2	5.366	-2.279	159.8	349.5	4.326	4.375
#3	6.241	.3371	160.0	349.0	3.678	4.566

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	15.98	43.35	2923.	851.7
Stddev	.43	.15	5.	80.4
%RSD	2.707	.3419	.1685	9.438
#1	15.56	43.22	2919.	759.4
#2	15.96	43.32	2923.	906.0
#3	16.43	43.51	2929.	889.8

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	3365.6	38632.	5517.6
Stddev	12.4	77.	583.4
%RSD	.36786	.19819	10.573
#1	3373.9	38554.	4844.0
#2	3351.4	38635.	5859.0
#3	3371.4	38707.	5849.8

Sample Name: CCB Acquired: 4/5/2016 21:19:58 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.195	1.152	-.0658	.2737	-.0310	11.66
Stddev	4.159	1.212	.4000	.3724	.0302	2.73
%RSD	348.1	105.3	607.6	136.1	97.49	23.44

#1	-5.997	-.2302	.3917	.0231	-.0657	12.81
#2	1.239	1.648	-.2398	.7016	-.0170	13.63
#3	1.173	2.037	-.3494	.0963	-.0103	8.539

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0391	.1722	-.2281	-.7366	2.758	-10.28
Stddev	.0357	.1290	.3844	.7651	7.330	26.50
%RSD	91.10	74.90	168.5	103.9	265.8	257.9

#1	.0462	.3027	.0253	-.9501	-3.581	-1.076
#2	.0005	.1693	-.6704	-1.372	10.78	10.40
#3	.0708	.0447	-.0393	.1127	1.072	-40.15

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	3.774	.0965	-22.95	.3443	.6030	-.1296
Stddev	3.116	.0508	6.29	.1280	.5024	.5514
%RSD	82.56	52.66	27.40	37.16	83.31	425.3

#1	4.284	.1260	-23.56	.4059	.4022	.1420
#2	.4345	.1257	-16.38	.4299	.2321	.2332
#3	6.603	.0378	-28.91	.1972	1.175	-.7641

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

Sample Name: CCB Acquired: 4/5/2016 21:19:58 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.005	.1426	-.0691	.1049	-2.638	.8130
Stddev	.834	.7518	.2050	.0509	.313	.2646
%RSD	27.77	527.3	296.8	48.49	11.86	32.55
#1	-2.073	-.5802	-.1078	.1626	-2.304	1.084
#2	-3.684	.9205	-.2520	.0663	-2.925	.8006
#3	-3.257	.0875	.1525	.0859	-2.684	.5548

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6439	-.0477	.5196	-2.504
Stddev	.3303	.0453	.0527	.186
%RSD	51.31	94.93	10.15	7.433
#1	-.4239	-.0956	.5013	-2.708
#2	-1.024	-.0056	.5790	-2.343
#3	-.4839	-.0419	.4784	-2.461

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3113.2	36716.	5257.1
Stddev	7.1	275.	98.0
%RSD	.22766	.74803	1.8632
#1	3116.8	36851.	5331.0
#2	3105.0	36897.	5294.2
#3	3117.7	36400.	5146.0

Sample Name: CCVL Acquired: 4/5/2016 21:24:18 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	210.5	13.56	9.210	194.6	1.932	4726.
Stddev	5.7	1.98	.280	.0	.035	50.
%RSD	2.702	14.62	3.035	.0191	1.806	1.057

#1	209.7	15.60	8.887	194.5	1.934	4669.
#2	216.5	13.44	9.374	194.6	1.897	4746.
#3	205.2	11.64	9.368	194.6	1.966	4763.

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	3.889	49.82	9.395	23.06	155.4	4585.
Stddev	.035	.26	.551	.68	6.3	26.
%RSD	.9008	.5289	5.865	2.935	4.051	.5581

#1	3.878	49.88	9.726	22.67	154.9	4557.
#2	3.860	50.05	8.759	22.67	149.4	4607.
#3	3.928	49.53	9.700	23.84	162.0	4590.

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	4592.	15.01	4732.	40.20	10.94	16.67
Stddev	32.	.17	34.	.37	.61	1.63
%RSD	.6980	1.133	.7193	.9131	5.606	9.747

#1	4555.	14.83	4728.	39.83	11.58	15.52
#2	4605.	15.04	4769.	40.57	10.35	15.95
#3	4615.	15.17	4701.	40.21	10.90	18.53

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

Sample Name: CCVL Acquired: 4/5/2016 21:24:18 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.92	22.48	47.05	29.94	43.27	18.79
Stddev	1.93	2.40	.37	.12	.32	.06
%RSD	12.90	10.69	.7831	.3995	.7307	.3265

#1	14.61	23.63	47.18	30.02	43.25	18.85
#2	16.98	19.72	47.34	29.80	43.59	18.73
#3	13.17	24.09	46.64	29.99	42.96	18.79

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	46.43	19.33	19.80	F 8.429
Stddev	.51	.04	.18	7.507
%RSD	1.105	.2043	.9101	89.06

#1	46.67	19.30	19.85	5.537
#2	46.79	19.31	19.60	2.799
#3	45.84	19.37	19.95	16.95

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	3126.6	36319.	5285.5
Stddev	4.4	393.	51.1
%RSD	.14091	1.0811	.96768

#1	3128.8	36767.	5338.1
#2	3121.6	36152.	5235.9
#3	3129.6	36037.	5282.5

Sample Name: 460-111386-D-1-A@4 Acquired: 4/5/2016 21:30:19 Type: Unk
 Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25340.	29.76	1.288	57.83	1.286	4192.
Stddev	79.	1.27	.120	.19	.085	15.
%RSD	.3125	4.285	9.304	.3238	6.570	.3461
#1	25440.	29.93	1.165	57.61	1.201	4191.
#2	25300.	30.95	1.404	57.91	1.285	4178.
#3	25290.	28.41	1.294	57.96	1.370	4207.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1256	15.88	64.01	12.79	39140.	5464.
Stddev	.0150	.20	.52	.51	118.	6.
%RSD	11.97	1.266	.8179	4.015	.3004	.1047
#1	.1402	15.70	63.41	12.38	39120.	5468.
#2	.1101	16.10	64.26	12.62	39030.	5468.
#3	.1264	15.86	64.37	13.37	39260.	5458.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10490.	357.9	18060.	34.13	23.07	-.0979
Stddev	36.	1.5	42.	.07	1.06	2.438
%RSD	.3455	.4147	.2323	.1936	4.577	2489.
#1	10530.	358.8	18100.	34.08	22.01	.2930
#2	10480.	356.1	18060.	34.12	23.08	-2.708
#3	10450.	358.7	18010.	34.21	24.13	2.121

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

Sample Name: 460-111386-D-1-A@4 Acquired: 4/5/2016 21:30:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.56	-1.1007	65.39	172.2	35.55	5.527
Stddev	2.91	.7528	.11	.6	.30	.035
%RSD	17.56	747.5	.1691	.3556	.8385	.6270
#1	18.68	-3.790	65.42	171.6	35.44	5.562
#2	17.76	.7516	65.26	172.1	35.31	5.526
#3	13.24	-.6747	65.48	172.8	35.88	5.493

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.72	39.07	1180.	987.5
Stddev	.82	.20	2.	10.9
%RSD	5.191	.5121	.1973	1.106
#1	16.55	39.21	1178.	977.9
#2	15.68	39.16	1178.	985.2
#3	14.92	38.84	1182.	999.4

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	3195.9	37073.	5610.2
Stddev	6.0	217.	33.6
%RSD	.18798	.58413	.59901
#1	3189.9	36932.	5572.5
#2	3195.9	37323.	5637.1
#3	3201.9	36966.	5620.8

Sample Name: 460-111386-D-2-A@4 Acquired: 4/5/2016 21:34:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15220.	9.129	.4076	34.75	.6918	4126.
Stddev	42.	1.727	.4765	.13	.0578	18.
%RSD	.2745	18.91	116.9	.3826	8.349	.4441
#1	15260.	7.458	.0602	34.88	.6699	4104.
#2	15180.	9.021	.2119	34.62	.7573	4136.
#3	15210.	10.91	.9508	34.75	.6482	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	.0400	6.549	32.98	8.879	16050.	2372.
Stddev	.0960	.188	.07	.126	108.	17.
%RSD	240.3	2.873	.2261	1.413	.6704	.7178
#1	.0128	6.505	33.06	8.763	15970.	2389.
#2	-.0395	6.387	32.91	8.862	16000.	2355.
#3	.1466	6.756	32.99	9.012	16170.	2373.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5041.	167.3	8521.	17.05	15.43	1.286
Stddev	18.	.5	14.	.40	1.10	.362
%RSD	.3638	.2917	.1633	2.359	7.158	28.18
#1	5020.	167.8	8533.	17.24	16.67	1.151
#2	5046.	166.9	8506.	17.32	14.56	1.010
#3	5055.	167.2	8524.	16.59	15.05	1.697

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

Sample Name: 460-111386-D-2-A@4 Acquired: 4/5/2016 21:34:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.090	.5135	38.24	66.40	20.77	2.908
Stddev	2.342	.3698	.49	.13	.26	.253
%RSD	57.25	72.01	1.294	.1936	1.274	8.691
#1	1.492	.9073	38.27	66.55	20.83	2.863
#2	4.740	.1737	37.73	66.34	21.01	2.680
#3	6.038	.4594	38.72	66.31	20.49	3.179

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.46	30.05	590.8	791.1
Stddev	.18	.14	1.0	10.6
%RSD	1.317	.4723	.1768	1.335
#1	13.37	30.16	590.5	779.1
#2	13.66	30.10	589.9	795.5
#3	13.34	29.89	591.9	798.7

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	3161.4	36485.	5432.2
Stddev	25.1	238.	18.7
%RSD	.79372	.65191	.34481
#1	3137.7	36308.	5415.2
#2	3158.8	36392.	5429.2
#3	3187.7	36756.	5452.3

Sample Name: 460-111386-F-5-A@4 Acquired: 4/5/2016 21:47:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61300.	29.81	2.599	151.2	2.503	18090.
Stddev	115.	.46	.378	.8	.055	89.
%RSD	.1869	1.527	14.55	.5073	2.189	.4934
#1	61340.	29.68	2.666	150.9	2.454	18190.
#2	61380.	30.31	2.191	150.8	2.492	18070.
#3	61170.	29.43	2.938	152.1	2.562	18020.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0141	30.70	149.8	30.04	92820.	13660.
Stddev	.1240	.11	.7	.37	35.	45.
%RSD	879.5	.3590	.4697	1.236	.0374	.3299
#1	-.1486	30.73	149.4	29.96	92850.	13640.
#2	.0957	30.58	149.4	30.45	92780.	13710.
#3	.0107	30.79	150.6	29.72	92820.	13630.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29630.	1083.	24030.	79.37	32.18	.1318
Stddev	151.	5.	35.	.10	1.56	1.541
%RSD	.5102	.4910	.1456	.1273	4.860	1169.
#1	29780.	1087.	24000.	79.32	31.79	-.0836
#2	29610.	1085.	24070.	79.49	33.90	1.769
#3	29480.	1077.	24030.	79.31	30.85	-1.290

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

Sample Name: 460-111386-F-5-A@4 Acquired: 4/5/2016 21:47:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.60	-1.314	159.0	214.6	81.57	1.746
Stddev	2.73	1.487	1.2	1.0	.77	.049
%RSD	11.56	113.2	.7631	.4585	.9382	2.778
#1	26.29	-1.319	158.1	215.4	81.08	1.711
#2	20.83	.1763	158.6	213.5	81.18	1.801
#3	23.66	-2.798	160.4	214.9	82.45	1.727

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.43	105.9	3043.	909.1
Stddev	1.19	.3	6.	29.9
%RSD	7.713	.3175	.2127	3.292
#1	16.10	105.5	3036.	877.0
#2	14.05	106.1	3042.	913.9
#3	16.13	106.0	3049.	936.3

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	3326.1	38119.	5857.0
Stddev	11.9	230.	108.0
%RSD	.35699	.60221	1.8440
#1	3325.3	37873.	5733.0
#2	3338.4	38154.	5907.9
#3	3314.7	38328.	5930.2

Sample Name: 460-111386-F-3-A@4 Acquired: 4/5/2016 21:38:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62340.	27.28	2.356	156.2	2.691	18560.
Stddev	132.	3.11	.155	.5	.029	129.
%RSD	.2118	11.40	6.592	.2999	1.096	.6952
#1	62200.	30.12	2.514	156.7	2.694	18660.
#2	62460.	27.78	2.348	155.9	2.719	18610.
#3	62360.	23.96	2.204	155.9	2.660	18420.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1801	32.70	160.0	30.18	96370.	14070.
Stddev	.2351	.07	.7	.34	242.	89.
%RSD	130.5	.2277	.4453	1.124	.2510	.6291
#1	-.4252	32.77	159.6	30.10	96640.	14010.
#2	-.1586	32.71	160.8	30.56	96190.	14170.
#3	.0435	32.62	159.6	29.90	96270.	14020.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30980.	1157.	23310.	87.61	32.79	.7840
Stddev	182.	7.	86.	.61	1.98	1.304
%RSD	.5874	.5805	.3674	.6907	6.029	166.4
#1	31040.	1162.	23290.	87.17	34.97	.8771
#2	31110.	1159.	23400.	88.30	32.27	-.5645
#3	30770.	1149.	23240.	87.37	31.12	2.039

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

Sample Name: 460-111386-F-3-A@4 Acquired: 4/5/2016 21:38:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.99	-2.214	163.2	217.5	80.61	1.928
Stddev	3.65	1.667	.4	.6	.44	.375
%RSD	14.05	75.30	.2405	.2912	.5416	19.46
#1	25.11	-1.968	163.0	216.9	80.47	1.984
#2	30.00	-3.991	163.0	217.4	81.10	1.528
#3	22.85	-.6838	163.7	218.2	80.26	2.273

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.74	103.7	3067.	961.0
Stddev	.51	.3	4.	3.7
%RSD	3.459	.2616	.1356	.3807
#1	14.88	103.9	3070.	959.6
#2	15.17	103.4	3068.	958.3
#3	14.18	103.9	3062.	965.2

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	3290.4	37576.	5777.5
Stddev	26.2	418.	27.6
%RSD	.79750	1.1130	.47720
#1	3262.7	37157.	5786.0
#2	3293.7	37578.	5746.6
#3	3314.8	37993.	5799.7

Sample Name: 460-111386-C-4-A@4 Acquired: 4/5/2016 21:42:55 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57240.	28.79	2.206	142.4	2.362	18320.
Stddev	177.	.42	.440	.4	.100	19.
%RSD	.3099	1.453	19.93	.2631	4.240	.1015

#1	57260.	29.18	1.700	142.4	2.477	18330.
#2	57410.	28.35	2.494	142.0	2.304	18340.
#3	57060.	28.84	2.424	142.7	2.304	18300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0448	30.17	142.4	28.50	90590.	12600.
Stddev	.1106	.15	.6	.15	187.	38.
%RSD	246.9	.4862	.4530	.5353	.2060	.3004

#1	-.0803	30.04	142.5	28.34	90400.	12630.
#2	.0850	30.16	141.8	28.53	90610.	12620.
#3	.1297	30.33	143.1	28.64	90770.	12560.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28210.	1101.	22780.	76.53	32.12	.5891
Stddev	20.	2.	71.	.41	2.05	.9418
%RSD	.0707	.2046	.3119	.5421	6.369	159.9

#1	28210.	1099.	22760.	76.60	34.18	-.2802
#2	28230.	1102.	22860.	76.09	32.11	1.590
#3	28190.	1104.	22720.	76.91	30.08	.4579

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

Sample Name: 460-111386-C-4-A@4 Acquired: 4/5/2016 21:42:55 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.40	-1.162	153.6	198.7	74.99	1.591
Stddev	1.40	.607	.8	.4	.53	.181
%RSD	5.980	52.24	.5530	.2110	.7088	11.36
#1	21.88	-1.776	152.9	198.4	75.60	1.686
#2	23.70	-1.150	153.3	198.5	74.75	1.382
#3	24.63	-.5617	154.5	199.2	74.62	1.704

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.05	100.1	2921.	917.7
Stddev	.84	.3	6.	22.6
%RSD	5.561	.2876	.2059	2.467
#1	14.32	100.2	2914.	911.7
#2	14.87	99.84	2922.	898.7
#3	15.97	100.4	2926.	942.8

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	3304.5	37849.	5819.2
Stddev	14.9	286.	68.9
%RSD	.44942	.75619	1.1832
#1	3288.4	37518.	5825.3
#2	3317.8	38016.	5747.5
#3	3307.3	38013.	5884.8

Sample Name: 460-111411-D-1-A@4 Acquired: 4/5/2016 21:51:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51130.	16.87	2.460	517.1	3.525	8531.
Stddev	370.	1.15	.102	.9	.055	19.
%RSD	.7240	6.787	4.161	.1811	1.570	.2272

#1	51390.	15.71	2.576	516.4	3.471	8551.
#2	51280.	16.90	2.382	518.2	3.523	8530.
#3	50700.	18.00	2.422	516.7	3.581	8512.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0411	30.07	74.59	44.02	55000.	3105.
Stddev	.0422	.16	.21	.35	111.	18.
%RSD	102.8	.5213	.2840	.7890	.2020	.5782

#1	-.0327	30.15	74.42	44.32	55130.	3085.
#2	-.0037	29.89	74.83	44.11	54960.	3119.
#3	-.0869	30.18	74.53	43.64	54920.	3112.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6217.	3478.	384.7	41.09	244.6	.7103
Stddev	8.	5.	15.3	.33	1.8	1.458
%RSD	.1361	.1524	3.980	.7994	.7417	205.2

#1	6223.	3484.	375.1	40.73	242.9	.4226
#2	6221.	3477.	402.3	41.37	244.4	-.5821
#3	6208.	3474.	376.6	41.16	246.5	2.290

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

Sample Name: 460-111411-D-1-A@4 Acquired: 4/5/2016 21:51:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0646	.0115	90.70	144.9	8.407	2.347
Stddev	2.294	.9547	.74	.5	.327	.265
%RSD	3552.	8322.	.8159	.3514	3.885	11.27
#1	.6182	1.047	91.44	144.4	8.041	2.355
#2	-2.623	-.8336	89.96	144.9	8.669	2.079
#3	1.811	-.1791	90.72	145.4	8.511	2.608

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	26.68	100.6	891.8	785.6
Stddev	.93	.0	.2	20.1
%RSD	3.500	.0475	.0267	2.562
#1	27.41	100.7	891.9	767.2
#2	25.63	100.6	891.6	782.6
#3	27.01	100.6	892.1	807.1

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	3565.0	40613.	6142.0
Stddev	10.0	255.	98.9
%RSD	.28117	.62866	1.6096
#1	3558.3	40361.	6036.0
#2	3560.1	40607.	6158.2
#3	3576.5	40872.	6231.7

Sample Name: 460-111411-D-5-A@4 Acquired: 4/5/2016 22:07:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27370.	27.03	2.537	150.0	1.916	1810.
Stddev	157.	3.37	.315	.6	.054	8.
%RSD	.5718	12.47	12.40	.3680	2.811	.4456
#1	27480.	24.18	2.177	149.3	1.960	1801.
#2	27190.	26.17	2.677	150.1	1.932	1811.
#3	27440.	30.75	2.758	150.4	1.856	1817.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1736	28.71	75.09	22.82	68800.	2377.
Stddev	.2143	.09	.46	.40	117.	13.
%RSD	123.4	.2988	.6160	1.756	.1705	.5573
#1	-.2533	28.63	74.62	22.85	68740.	2392.
#2	.0691	28.80	75.09	23.21	68730.	2369.
#3	-.3367	28.70	75.55	22.41	68940.	2369.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6383.	1115.	156.9	37.34	27.50	.0537
Stddev	34.	2.	2.1	.21	.59	.3598
%RSD	.5263	.2070	1.366	.5667	2.158	669.9
#1	6344.	1113.	159.1	37.10	27.04	.4512
#2	6403.	1117.	154.8	37.44	28.17	-.0403
#3	6401.	1115.	156.9	37.49	27.29	-.2498

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

Sample Name: 460-111411-D-5-A@4 Acquired: 4/5/2016 22:07:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.790	-.5154	58.39	96.35	-.8001	3.028
Stddev	1.626	.2430	.36	.32	.4565	.109
%RSD	42.90	47.15	.6160	.3292	57.05	3.587
#1	1.995	-.3254	57.98	96.02	-1.233	3.128
#2	5.164	-.7893	58.65	96.65	-.3232	2.913
#3	4.210	-.4316	58.54	96.38	-.8440	3.043

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.43	21.56	714.0	754.5
Stddev	.26	.18	1.4	14.0
%RSD	1.971	.8229	.1993	1.859
#1	13.66	21.64	713.0	738.6
#2	13.50	21.36	713.4	765.1
#3	13.14	21.69	715.6	759.7

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	3304.1	37767.	5703.9
Stddev	3.8	96.	49.6
%RSD	.11491	.25508	.86966
#1	3308.2	37811.	5680.6
#2	3300.7	37656.	5760.9
#3	3303.2	37833.	5670.2

Sample Name: CCVL Acquired: 4/5/2016 22:20:25 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	219.4	11.47	9.483	191.3	1.990	4739.
Stddev	12.3	.71	.254	.6	.090	13.
%RSD	5.591	6.169	2.681	.3164	4.550	.2820

#1	218.3	10.68	9.203	190.7	2.003	4755.
#2	207.7	11.69	9.699	191.8	1.893	4732.
#3	232.1	12.05	9.546	191.6	2.072	4731.

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	3.974	49.32	9.645	25.30	153.4	4612.
Stddev	.064	.18	.323	.29	3.4	27.
%RSD	1.602	.3641	3.346	1.138	2.208	.5847

#1	3.919	49.14	9.964	25.30	151.2	4617.
#2	3.958	49.50	9.653	25.59	157.3	4637.
#3	4.044	49.31	9.319	25.01	151.8	4583.

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	4574.	15.41	4774.	39.36	10.93	15.26
Stddev	14.	.07	8.	.30	1.31	.96
%RSD	.3142	.4568	.1638	.7700	11.97	6.290

#1	4590.	15.34	4768.	39.02	11.20	16.04
#2	4567.	15.41	4783.	39.43	9.506	15.55
#3	4564.	15.48	4773.	39.61	12.08	14.18

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

Sample Name: CCVL Acquired: 4/5/2016 22:20:25 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	21.85	46.37	29.94	41.90	18.24
Stddev	2.80	.63	.61	.22	.47	.07
%RSD	16.32	2.867	1.316	.7503	1.113	.3579
#1	16.48	22.57	45.80	29.92	41.70	18.19
#2	20.27	21.57	46.30	29.73	42.44	18.31
#3	14.80	21.42	47.01	30.18	41.57	18.21

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	45.55	19.67	19.85	F 5.302
Stddev	.64	.13	.28	12.55
%RSD	1.399	.6717	1.424	236.7
#1	46.09	19.72	19.65	-3.956
#2	44.85	19.52	19.73	.2737
#3	45.70	19.76	20.17	19.59

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	3265.6	37384.	5571.9
Stddev	18.7	143.	10.1
%RSD	.57217	.38155	.18100
#1	3281.4	37250.	5579.7
#2	3270.4	37534.	5560.5
#3	3245.0	37370.	5575.5

Sample Name: 460-111411-D-2-A@4 Acquired: 4/5/2016 21:55:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69810.	26.94	3.684	255.5	3.857	7422.
Stddev	253.	1.13	.194	.5	.106	35.
%RSD	.3622	4.200	5.260	.2068	2.756	.4735
#1	70090.	26.92	3.644	255.8	3.967	7461.
#2	69750.	25.82	3.513	254.8	3.754	7412.
#3	69590.	28.08	3.895	255.7	3.850	7393.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2991	44.49	151.4	39.02	118600.	5659.
Stddev	.0869	.11	.4	.43	175.	14.
%RSD	29.04	.2557	.2500	1.102	.1478	.2456
#1	-.2960	44.37	151.0	38.62	118800.	5666.
#2	-.3875	44.50	151.5	39.47	118700.	5643.
#3	-.2138	44.59	151.8	38.97	118500.	5668.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14520.	1553.	589.7	73.20	62.05	-.6821
Stddev	76.	5.	2.5	.65	1.10	.5747
%RSD	.5264	.3512	.4166	.8908	1.779	84.25
#1	14610.	1558.	586.9	73.42	63.33	-.3094
#2	14500.	1555.	591.4	72.46	61.45	-1.344
#3	14460.	1547.	590.7	73.71	61.38	-.3929

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

Sample Name: 460-111411-D-2-A@4 Acquired: 4/5/2016 21:55:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.391	-2.623	142.0	252.0	7.224	4.223
Stddev	4.280	.965	.2	1.0	.406	.097
%RSD	79.39	36.77	.1593	.3984	5.626	2.306
#1	8.908	-1.957	141.8	252.0	7.674	4.111
#2	6.638	-3.729	142.1	251.0	6.882	4.286
#3	.6260	-2.183	142.2	253.0	7.117	4.273

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.00	62.99	1151.	1036.
Stddev	.64	.08	1.	4.
%RSD	3.779	.1236	.0603	.3604
#1	16.32	62.92	1151.	1040.
#2	17.10	63.08	1151.	1034.
#3	17.60	62.98	1150.	1033.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3436.2	39449.	5986.3
Stddev	14.2	328.	84.6
%RSD	.41340	.83177	1.4134
#1	3420.2	39081.	5888.6
#2	3441.2	39558.	6032.3
#3	3447.2	39709.	6037.9

Sample Name: 460-111160-D-1-C@4 Acquired: 4/5/2016 22:37:12 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80760.	47.03	4.847	320.3	3.387	8614.
Stddev	550.	.96	.483	.7	.063	18.
%RSD	.6811	2.039	9.969	.2341	1.850	.2106

#1	81390.	47.36	5.334	321.1	3.454	8620.
#2	80520.	47.78	4.839	320.3	3.329	8629.
#3	80370.	45.95	4.367	319.6	3.379	8594.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.607	40.76	224.9	137.2	139800.	12620.
Stddev	.122	.37	1.7	.3	131.	67.
%RSD	3.379	.8999	.7432	.2199	.0934	.5284

#1	3.470	41.19	223.0	136.9	139700.	12700.
#2	3.651	40.57	225.9	137.5	140000.	12580.
#3	3.701	40.53	225.9	137.1	139900.	12590.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22900.	3080.	2908.	122.3	194.8	-.1141
Stddev	16.	6.	19.	1.1	1.6	1.263
%RSD	.0697	.1981	.6492	.8876	.8143	1106.

#1	22910.	3085.	2930.	121.8	194.7	1.330
#2	22910.	3081.	2895.	121.5	193.2	-.6630
#3	22880.	3073.	2900.	123.5	196.4	-1.010

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

Sample Name: 460-111160-D-1-C@4 Acquired: 4/5/2016 22:37:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.493	-3.653	199.1	1051.	28.52	2.863
Stddev	3.086	.546	.9	3.	.40	.120
%RSD	56.17	14.96	.4608	.2446	1.400	4.191
#1	4.259	-3.433	198.1	1051.	28.87	2.805
#2	9.005	-3.251	200.0	1048.	28.09	2.783
#3	3.216	-4.275	199.2	1054.	28.61	3.001

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.41	130.3	2936.	1100.
Stddev	.15	1.3	6.	16.
%RSD	1.352	.9594	.1988	1.496
#1	11.32	131.7	2930.	1085.
#2	11.33	129.4	2937.	1117.
#3	11.59	129.8	2941.	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	3503.8	39764.	6099.1
Stddev	9.5	143.	82.8
%RSD	.27031	.35993	1.3577
#1	3493.2	39622.	6006.2
#2	3511.5	39762.	6125.7
#3	3506.7	39908.	6165.3

Sample Name: 460-111160-A-1-A MS Acquired: 4/5/2016 22:45:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98580.	835.2	25.93	1181.	25.16	17920.
Stddev	298.	4.3	.35	2.	.08	11.
%RSD	.3019	.5207	1.363	.1686	.3087	.0603

#1	98900.	840.2	25.63	1182.	25.09	17930.
#2	98320.	832.1	25.83	1179.	25.24	17910.
#3	98520.	833.5	26.32	1182.	25.16	17920.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.38	256.3	333.1	240.1	161000.	22210.
Stddev	.15	.4	1.7	1.0	507.	125.
%RSD	.5954	.1514	.5242	.4132	.3150	.5612

#1	24.52	256.4	332.6	240.5	160600.	22340.
#2	24.41	256.5	335.0	240.9	160800.	22200.
#3	24.23	255.8	331.6	239.0	161600.	22090.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33330.	3504.	11800.	339.8	429.5	63.27
Stddev	75.	6.	54.	.9	1.7	.33
%RSD	.2248	.1674	.4552	.2585	.4053	.5242

#1	33370.	3511.	11850.	339.3	430.2	63.27
#2	33360.	3500.	11740.	340.8	427.5	63.60
#3	33240.	3502.	11810.	339.3	430.7	62.93

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

Sample Name: 460-111160-A-1-A MS Acquired: 4/5/2016 22:45:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	774.0	851.3	443.8	1336.	222.3	194.2
Stddev	4.0	9.1	1.0	2.	.6	.4
%RSD	.5112	1.065	.2288	.1852	.2786	.2134
#1	771.9	853.5	443.3	1334.	222.9	194.7
#2	771.5	841.4	445.0	1336.	222.1	193.9
#3	778.5	859.1	443.2	1339.	221.7	194.0

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	201.4	362.6	3666.	1250.
Stddev	.9	2.6	3.	22.
%RSD	.4524	.7195	.0879	1.727
#1	202.4	365.5	3663.	1239.
#2	200.7	361.4	3665.	1235.
#3	201.0	360.7	3669.	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	3505.6	39581.	6172.0
Stddev	3.2	12.	30.6
%RSD	.09246	.03121	.49646
#1	3503.4	39567.	6139.5
#2	3504.1	39586.	6176.0
#3	3509.4	39590.	6200.4

Sample Name: 460-111411-D-3-A@4 Acquired: 4/5/2016 21:59:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68260.	28.63	3.604	195.6	3.020	7753.
Stddev	223.	.74	.463	.0	.056	62.
%RSD	.3267	2.577	12.85	.0233	1.850	.7944
#1	68410.	27.88	3.072	195.5	2.965	7733.
#2	68010.	28.66	3.918	195.6	3.018	7703.
#3	68370.	29.36	3.822	195.6	3.076	7822.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5396	19.94	174.5	44.95	123000.	5167.
Stddev	.0816	.22	.5	.45	519.	3.
%RSD	15.12	1.119	.2828	1.003	.4218	.0632
#1	-.4479	19.80	174.4	45.31	122700.	5165.
#2	-.5667	19.83	174.0	44.45	122600.	5171.
#3	-.6042	20.20	175.0	45.10	123600.	5166.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11660.	492.2	352.9	50.58	45.25	.6362
Stddev	43.	2.5	1.3	.37	1.43	1.181
%RSD	.3677	.4992	.3567	.7387	3.170	185.6
#1	11650.	492.1	353.9	50.99	46.51	-.4829
#2	11620.	489.8	353.3	50.49	45.55	1.870
#3	11700.	494.7	351.5	50.26	43.69	.5213

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

Sample Name: 460-111411-D-3-A@4 Acquired: 4/5/2016 21:59:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.869	-3.097	178.5	164.7	15.21	3.607
Stddev	1.748	1.158	.8	.9	.58	.142
%RSD	35.90	37.41	.4359	.5477	3.801	3.936
#1	5.623	-1.837	177.7	163.8	15.78	3.543
#2	2.871	-3.335	178.4	164.7	14.63	3.770
#3	6.114	-4.117	179.3	165.6	15.23	3.508

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.35	57.07	2260.	845.9
Stddev	.25	.12	4.	18.2
%RSD	1.709	.2093	.1676	2.153
#1	14.34	57.04	2256.	842.2
#2	14.59	57.20	2260.	865.7
#3	14.10	56.96	2264.	829.9

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	3423.1	39212.	5992.6
Stddev	3.2	286.	100.5
%RSD	.09264	.72924	1.6766
#1	3422.7	39116.	5914.8
#2	3420.2	39534.	6106.0
#3	3426.5	38986.	5956.9

Sample Name: 460-111160-C-12-B@4 Acquired: 4/5/2016 23:01:50 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54960.	22.24	3.064	165.3	2.504	8942.
Stddev	173.	1.41	.209	.5	.073	58.
%RSD	.3152	6.357	6.830	.3104	2.911	.6455

#1	55150.	21.38	2.830	165.6	2.488	9004.
#2	54840.	23.87	3.232	165.6	2.584	8934.
#3	54880.	21.46	3.130	164.7	2.441	8889.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1587	30.24	132.6	25.79	94470.	9256.
Stddev	.0133	.22	.6	.44	384.	29.
%RSD	8.390	.7163	.4779	1.705	.4063	.3161

#1	.1633	30.00	133.3	26.09	94890.	9290.
#2	.1691	30.29	132.1	25.99	94400.	9240.
#3	.1437	30.43	132.3	25.28	94130.	9238.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21060.	2524.	4970.	72.09	32.39	-.2036
Stddev	136.	12.	7.	.27	.29	1.480
%RSD	.6466	.4745	.1357	.3798	.9035	726.7

#1	21210.	2536.	4978.	72.29	32.30	-1.345
#2	21040.	2523.	4966.	71.78	32.72	1.468
#3	20940.	2512.	4966.	72.19	32.16	-.7337

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

Sample Name: 460-111160-C-12-B@4 Acquired: 4/5/2016 23:01:50 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.152	-2.548	123.6	200.9	32.83	1.041
Stddev	3.119	.774	.4	.3	.28	.326
%RSD	43.61	30.38	.3078	.1376	.8494	31.35
#1	4.281	-1.987	123.8	201.3	33.05	1.392
#2	10.47	-2.226	123.9	200.7	32.93	.9826
#3	6.704	-3.431	123.2	200.8	32.52	.7472

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.270	80.08	2459.	847.3
Stddev	.275	.24	5.	2.3
%RSD	4.384	.3020	.2172	.2728
#1	6.543	80.31	2465.	847.3
#2	5.994	80.11	2457.	845.0
#3	6.273	79.82	2456.	849.6

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	3382.1	38597.	5765.9
Stddev	5.8	342.	64.1
%RSD	.17213	.88550	1.1115
#1	3375.5	38207.	5704.3
#2	3384.3	38741.	5832.2
#3	3386.5	38843.	5761.3

Sample Name: CCB Acquired: 4/5/2016 23:10:03 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3098	2.259	.2553	2.994	-.0395	18.17
Stddev	3.809	2.309	.5343	4.963	.0651	1.91
%RSD	1229.	102.2	209.3	165.8	165.0	10.50
#1	-3.930	2.098	.7022	.2045	-.0954	20.36
#2	1.416	.0352	.4002	.0529	-.0549	16.83
#3	3.443	4.644	-.3365	8.723	.0320	17.34

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4478	.7358	-.1552	3.336	-.7024	-9.489
Stddev	.6695	1.318	.4933	.711	5.778	17.11
%RSD	149.5	179.2	317.7	21.32	822.7	180.3
#1	.0566	-.0861	.3845	4.047	-4.193	-28.05
#2	.0660	.0370	-.2674	3.337	5.968	5.659
#3	1.221	2.257	-.5827	2.625	-3.882	-6.075

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.109	.1873	-19.40	.9967	1.940	.7717
Stddev	1.313	.1878	7.92	1.137	4.148	1.209
%RSD	118.5	100.3	40.82	114.0	213.8	156.7
#1	.5878	.4033	-11.81	-.0308	-.8606	1.390
#2	2.602	.0961	-18.76	.8033	-.0236	-.6219
#3	.1356	.0626	-27.61	2.218	6.705	1.547

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

Sample Name: CCB Acquired: 4/5/2016 23:10:03 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.284	2.651	.1475	.9061	-2.550	1.154
Stddev	.802	1.540	.1886	1.350	.402	1.148
%RSD	24.43	58.09	127.8	149.0	15.78	99.51
#1	-3.287	2.878	-.0357	.1566	-2.614	.7448
#2	-4.085	1.010	.1372	.0974	-2.918	.2662
#3	-2.481	4.065	.3411	2.464	-2.120	2.451

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0219	-.0267	.4768	-3.527
Stddev	.6403	.0242	.2670	17.24
%RSD	2924.	90.77	56.00	488.7
#1	-.0825	-.0458	.7811	11.51
#2	-.5598	-.0349	.2821	-22.34
#3	.7079	.0006	.3672	.2419

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	3265.0	37063.	5455.2
Stddev	7.0	13.	20.6
%RSD	.21493	.03553	.37813
#1	3266.1	37076.	5431.7
#2	3257.5	37049.	5463.6
#3	3271.5	37065.	5470.3

Sample Name: 460-111411-D-4-A@4 Acquired: 4/5/2016 22:03:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36060.	17.12	2.779	170.9	2.042	1758.
Stddev	138.	2.22	.380	.2	.072	3.
%RSD	.3818	12.98	13.69	.1201	3.521	.1656

#1	35970.	15.63	2.943	170.7	1.964	1755.
#2	35990.	16.07	3.050	171.1	2.057	1759.
#3	36220.	19.68	2.344	171.0	2.105	1761.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2621	70.24	96.48	65.34	71090.	4860.
Stddev	.1077	.15	1.06	.36	257.	30.
%RSD	41.12	.2131	1.102	.5489	.3617	.6163

#1	-.3746	70.13	97.65	65.26	71160.	4825.
#2	-.2518	70.18	96.23	65.03	71300.	4877.
#3	-.1598	70.41	95.56	65.73	70800.	4877.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10050.	2813.	232.3	64.08	38.98	.5310
Stddev	56.	9.	8.2	.18	.36	1.187
%RSD	.5533	.3364	3.534	.2816	.9334	223.6

#1	10060.	2814.	224.2	64.23	39.19	-.7330
#2	10100.	2822.	240.6	63.88	39.20	.7034
#3	9987.	2804.	232.1	64.14	38.56	1.623

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

Sample Name: 460-111411-D-4-A@4 Acquired: 4/5/2016 22:03:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.818	-1.8467	114.8	157.7	-1.269	2.014
Stddev	2.853	1.284	.2	.4	.264	.111
%RSD	156.9	151.7	.1853	.2398	20.76	5.485
#1	4.302	-1.9362	114.9	157.9	-1.361	2.029
#2	-1.298	.4799	114.6	158.0	-.9723	1.896
#3	2.450	-2.084	114.9	157.3	-1.475	2.116

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.54	15.27	1280.	761.4
Stddev	.14	.14	2.	7.1
%RSD	.9436	.9105	.1888	.9316
#1	14.47	15.14	1278.	754.2
#2	14.45	15.42	1283.	761.6
#3	14.69	15.25	1280.	768.4

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	3384.6	38514.	5806.8
Stddev	2.2	144.	47.9
%RSD	.06566	.37439	.82525
#1	3382.1	38374.	5753.0
#2	3385.3	38508.	5822.6
#3	3386.4	38662.	5844.8

Sample Name: 460-111160-D-22-A@4 Acquired: 4/5/2016 23:22:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71510.	24.14	3.515	187.8	3.339	7567.
Stddev	584.	.88	.375	.6	.091	60.
%RSD	.8165	3.639	10.66	.3229	2.742	.7869
#1	71550.	25.05	3.403	187.2	3.434	7505.
#2	70910.	23.30	3.208	187.7	3.251	7574.
#3	72070.	24.07	3.933	188.4	3.331	7623.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0338	36.71	169.6	34.51	104900.	11700.
Stddev	.0456	.23	1.2	.11	711.	88.
%RSD	134.9	.6266	.6783	.3154	.6780	.7508
#1	.0399	36.87	168.3	34.39	104100.	11720.
#2	.0760	36.45	170.2	34.57	104900.	11600.
#3	-.0145	36.81	170.3	34.58	105600.	11770.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23520.	1013.	3904.	91.14	63.06	-.0491
Stddev	105.	7.	27.	.38	1.80	.8814
%RSD	.4478	.6775	.7040	.4168	2.852	1794.
#1	23410.	1006.	3897.	91.55	63.94	-.4245
#2	23560.	1014.	3881.	90.80	60.99	.9578
#3	23610.	1020.	3934.	91.06	64.26	-.6807

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

Sample Name: 460-111160-D-22-A@4 Acquired: 4/5/2016 23:22:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.919	-2.156	160.0	309.0	29.99	1.509
Stddev	1.488	2.336	1.1	1.2	.18	.215
%RSD	25.14	108.4	.7019	.3945	.6076	14.27
#1	4.283	-2.079	159.8	307.7	29.79	1.757
#2	7.191	.1405	161.2	309.2	30.02	1.385
#3	6.284	-4.529	159.0	310.1	30.15	1.384

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.668	82.89	2990.	934.7
Stddev	.162	.42	10.	10.0
%RSD	2.424	.5041	.3225	1.066
#1	6.701	82.72	2984.	926.0
#2	6.492	82.58	2986.	945.6
#3	6.811	83.36	3001.	932.4

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	3477.5	39406.	6001.5
Stddev	13.2	139.	38.8
%RSD	.37975	.35281	.64649
#1	3480.5	39525.	5987.1
#2	3488.9	39439.	6045.5
#3	3463.1	39253.	5972.0

Sample Name: 460-111160-C-27-B@4 Acquired: 4/5/2016 23:31:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81200.	53.09	5.340	239.8	4.012	7479.
Stddev	196.	1.13	.218	.7	.080	24.
%RSD	.2419	2.120	4.080	.2888	1.982	.3241

#1	80980.	51.90	5.202	240.6	4.104	7481.
#2	81240.	54.14	5.226	239.3	3.959	7453.
#3	81370.	53.22	5.591	239.5	3.975	7502.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5205	41.26	176.7	38.48	164500.	11120.
Stddev	.1573	.31	.2	.33	518.	11.
%RSD	30.23	.7416	.1246	.8491	.3149	.1030

#1	-.6801	41.61	176.5	38.18	163900.	11110.
#2	-.3655	41.12	176.9	38.44	164700.	11120.
#3	-.5159	41.04	176.6	38.83	164900.	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	24580.	1107.	4337.	94.27	57.39	-.7752
Stddev	84.	3.	10.	.68	.40	.8342
%RSD	.3438	.2739	.2353	.7198	.7056	107.6

#1	24610.	1109.	4326.	94.55	57.34	-.1318
#2	24480.	1104.	4346.	93.50	57.01	-.4761
#3	24640.	1108.	4340.	94.76	57.81	-1.718

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

Sample Name: 460-111160-C-27-B@4 Acquired: 4/5/2016 23:31:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.11	-3.295	180.7	279.7	30.46	2.481
Stddev	2.94	1.140	1.3	.5	.54	.139
%RSD	24.30	34.61	.7425	.1789	1.762	5.612
#1	9.321	-4.611	180.1	280.1	30.51	2.640
#2	11.82	-2.657	182.2	279.8	29.91	2.381
#3	15.19	-2.616	179.7	279.1	30.98	2.421

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.003	87.02	2693.	960.5
Stddev	.267	.12	5.	11.5
%RSD	3.335	.1396	.1933	1.195
#1	7.745	86.93	2687.	947.5
#2	8.278	87.16	2697.	969.1
#3	7.987	86.98	2696.	964.9

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	3393.2	39278.	5823.4
Stddev	1.1	90.	23.4
%RSD	.03319	.22825	.40185
#1	3393.8	39290.	5796.4
#2	3391.9	39362.	5836.5
#3	3394.0	39183.	5837.4

Sample Name: 460-110936-C-2-D@4 Acquired: 4/5/2016 23:39:32 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51120.	63.35	4.271	214.2	2.993	5919.
Stddev	305.	2.51	.173	.6	.029	29.
%RSD	.5967	3.958	4.057	.3025	.9622	.4881

#1	50800.	65.24	4.173	214.7	3.015	5899.
#2	51410.	60.51	4.471	214.6	2.960	5905.
#3	51170.	64.31	4.168	213.5	3.002	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	.9016	44.33	205.5	122.7	97060.	7373.
Stddev	.1300	.26	.2	.6	202.	11.
%RSD	14.42	.5961	.1102	.5010	.2083	.1489

#1	.9967	44.48	205.5	122.2	97050.	7375.
#2	.9546	44.49	205.3	122.5	96870.	7383.
#3	.7535	44.03	205.7	123.4	97270.	7361.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13840.	2123.	340.4	65.19	267.1	.3260
Stddev	46.	10.	10.7	.78	1.0	1.682
%RSD	.3315	.4773	3.136	1.204	.3691	516.0

#1	13790.	2115.	331.9	66.01	267.8	1.704
#2	13850.	2119.	352.4	64.44	267.5	-1.549
#3	13880.	2134.	336.9	65.12	266.0	.8224

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

Sample Name: 460-110936-C-2-D@4 Acquired: 4/5/2016 23:39:32 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.114	-1.056	150.3	599.0	16.98	2.624
Stddev	1.172	1.696	1.1	1.2	.43	.257
%RSD	22.91	160.6	.7285	.1957	2.560	9.788
#1	3.813	-2.586	151.4	600.2	17.47	2.701
#2	5.443	-1.350	149.3	598.9	16.65	2.337
#3	6.087	.7671	150.3	597.9	16.82	2.833

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.16	47.77	1922.	781.7
Stddev	.82	.13	1.	3.5
%RSD	4.751	.2729	.0648	.4472
#1	17.55	47.62	1922.	783.3
#2	16.22	47.85	1921.	784.0
#3	17.71	47.84	1924.	777.7

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	3418.0	38904.	5834.5
Stddev	20.4	103.	54.1
%RSD	.59608	.26465	.92793
#1	3394.7	38787.	5850.8
#2	3426.5	38980.	5774.0
#3	3432.7	38944.	5878.5

Sample Name: CCV Acquired: 4/5/2016 22:12:01 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116600.	2267.	1146.	9103.	930.8	116400.
Stddev	2357.	45.	26.	183.	17.3	2864.
%RSD	2.022	2.005	2.258	2.007	1.855	2.460

#1	117900.	2311.	1161.	9286.	942.1	118300.
#2	118000.	2270.	1160.	9102.	939.4	117800.
#3	113900.	2221.	1116.	8921.	910.9	113100.

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	1146.	2290.	4605.	11330.	93180.	46370.
Stddev	21.	43.	107.	245.	2047.	967.
%RSD	1.850	1.899	2.319	2.166	2.197	2.085

#1	1167.	2333.	4676.	11460.	94480.	46970.
#2	1145.	2291.	4658.	11480.	94240.	46890.
#3	1125.	2246.	4482.	11040.	90820.	45260.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	114800.	4710.	118200.	2273.	6795.	896.6
Stddev	2874.	118.	2490.	47.	136.	19.7
%RSD	2.504	2.507	2.107	2.065	2.004	2.197

#1	116700.	4789.	119700.	2320.	6929.	915.7
#2	116200.	4766.	119400.	2271.	6799.	897.7
#3	111500.	4574.	115300.	2226.	6657.	876.3

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

Sample Name: CCV Acquired: 4/5/2016 22:12:01 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2244.	2321.	2297.	2343.	F 889.8	2267.
Stddev	41.	35.	43.	39.	17.7	44.
%RSD	1.839	1.518	1.851	1.669	1.985	1.946

#1	2286.	2362.	2322.	2382.	907.4	2310.
#2	2242.	2300.	2322.	2344.	890.0	2267.
#3	2203.	2301.	2248.	2303.	872.1	2222.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1000.	
Range					-10.50%	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	909.1	4710.	9357.	8523.
Stddev	14.7	116.	185.	162.
%RSD	1.616	2.467	1.980	1.895

#1	923.9	4789.	9505.	8658.
#2	908.9	4764.	9417.	8568.
#3	894.5	4576.	9150.	8344.

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	3030.7	34812.	5452.3
Stddev	41.9	553.	53.8
%RSD	1.3841	1.5897	.98660

#1	2986.4	34396.	5419.7
#2	3036.0	34600.	5422.7
#3	3069.8	35440.	5514.4

Sample Name: 460-110936-C-4-B@4 Acquired: 4/5/2016 23:43:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32430.	15.90	2.065	102.5	1.379	812.0
Stddev	196.	1.30	.076	.3	.017	5.2
%RSD	.6051	8.146	3.705	.2607	1.212	.6449
#1	32590.	17.37	2.041	102.7	1.370	810.5
#2	32490.	15.41	2.003	102.7	1.398	807.8
#3	32210.	14.93	2.150	102.2	1.368	817.9

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2737	26.28	75.68	24.77	59830.	5272.
Stddev	.1470	.05	.23	1.14	317.	55.
%RSD	53.70	.1957	.3026	4.613	.5296	1.049
#1	-.1559	26.33	75.88	24.07	59520.	5263.
#2	-.4385	26.23	75.72	24.14	59830.	5332.
#3	-.2268	26.28	75.43	26.09	60150.	5222.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6358.	424.3	362.2	42.10	23.46	.2080
Stddev	5.	2.9	4.0	.50	.29	.9489
%RSD	.0720	.6803	1.116	1.183	1.239	456.2
#1	6353.	421.5	361.7	42.65	23.51	-.8617
#2	6357.	424.0	366.4	41.67	23.73	.9483
#3	6362.	427.3	358.4	41.98	23.15	.5374

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

Sample Name: 460-110936-C-4-B@4 Acquired: 4/5/2016 23:43:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1761	.8990	106.3	107.9	-.6083	1.914
Stddev	2.358	1.688	.4	.1	.2364	.082
%RSD	1339.	187.7	.3361	.0610	38.87	4.266
#1	.5489	-.9543	106.3	108.0	-.8052	1.878
#2	-2.346	1.304	105.9	108.0	-.3461	1.856
#3	2.325	2.347	106.6	107.8	-.6736	2.007

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.773	11.53	1755.	773.6
Stddev	.228	.15	1.	5.6
%RSD	4.780	1.323	.0532	.7297
#1	5.020	11.62	1755.	776.0
#2	4.731	11.60	1756.	777.7
#3	4.569	11.35	1754.	767.2

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	3340.7	37634.	5670.9
Stddev	13.0	365.	54.1
%RSD	.39047	.97097	.95483
#1	3331.6	37890.	5615.2
#2	3334.9	37797.	5674.2
#3	3355.7	37216.	5723.3

Sample Name: 460-110936-D-28-E@4 Acquired: 4/5/2016 23:56:18 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38620.	19.65	2.264	153.5	2.320	2379.
Stddev	139.	1.24	.192	.2	.036	5.
%RSD	.3587	6.322	8.457	.1519	1.544	.1934
#1	38620.	18.33	2.043	153.6	2.331	2384.
#2	38480.	20.80	2.369	153.2	2.280	2380.
#3	38760.	19.81	2.380	153.6	2.348	2374.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3005	25.38	89.64	39.47	65070.	3440.
Stddev	.0131	.27	.83	.43	142.	20.
%RSD	4.365	1.064	.9284	1.084	.2187	.5742
#1	.3138	25.11	89.38	39.03	64920.	3450.
#2	.2875	25.39	90.57	39.89	65110.	3417.
#3	.3003	25.65	88.97	39.48	65190.	3453.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6956.	1135.	118.7	49.49	88.59	-.3247
Stddev	15.	3.	5.4	.01	.58	.4053
%RSD	.2212	.3067	4.577	.0274	.6528	124.8
#1	6972.	1132.	121.1	49.50	89.06	-.7369
#2	6954.	1133.	112.5	49.48	88.77	-.3105
#3	6941.	1139.	122.5	49.49	87.94	.0733

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

Sample Name: 460-110936-D-28-E@4 Acquired: 4/5/2016 23:56:18 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4324	-1.270	100.7	247.5	2.952	1.528
Stddev	2.695	1.852	.4	1.4	.333	.330
%RSD	623.3	145.8	.4277	.5829	11.27	21.56
#1	2.715	-.8465	100.3	246.2	3.173	1.800
#2	1.124	-3.298	100.6	247.3	2.570	1.162
#3	-2.542	.3330	101.1	249.0	3.114	1.624

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.236	26.23	1207.	818.0
Stddev	.414	.19	2.	19.3
%RSD	5.715	.7399	.1589	2.356
#1	7.121	26.25	1205.	796.0
#2	6.892	26.02	1207.	831.6
#3	7.695	26.41	1209.	826.5

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	3433.6	39240.	5921.0
Stddev	1.8	152.	73.6
%RSD	.05223	.38642	1.2436
#1	3431.9	39069.	5864.6
#2	3435.5	39357.	6004.3
#3	3433.3	39295.	5894.1

Sample Name: CCB Acquired: 4/5/2016 22:16:04 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.882	.9528	.4308	.2240	-.0553	11.62
Stddev	2.727	1.064	.3053	.3917	.0462	1.14
%RSD	94.61	111.7	70.86	174.9	83.50	9.818
#1	4.085	2.007	.6821	.6761	-.0446	11.05
#2	4.801	-.1212	.0911	.0100	-.0155	12.93
#3	-.2393	.9728	.5193	-.0141	-.1060	10.87

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0601	.1261	.2517	1.535	.3603	-14.98
Stddev	.2110	.3184	.2177	.663	5.574	5.91
%RSD	350.9	252.5	86.48	43.19	1547.	39.43
#1	.3032	.4852	.1375	1.048	-4.505	-8.161
#2	-.0769	-.1216	.1149	2.290	-.8558	-18.40
#3	-.0459	.0147	.5027	1.267	6.442	-18.39

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	1.014	.0705	-15.03	.2911	.8344	-.8209
Stddev	2.680	.0180	3.54	.2889	.8386	.2580
%RSD	264.3	25.51	23.59	99.24	100.5	31.43
#1	3.542	.0544	-12.39	.6221	.2047	-.5797
#2	1.294	.0899	-13.64	.1617	1.786	-1.093
#3	-1.795	.0671	-19.05	.0896	.5121	-.7899

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

Sample Name: CCB Acquired: 4/5/2016 22:16:04 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.064	1.641	-.2327	.2894	-3.275	.6306
Stddev	1.871	.274	.1935	.1989	.541	.4299
%RSD	36.93	16.70	83.13	68.70	16.51	68.17
#1	-6.945	1.329	-.1705	.4257	-2.849	1.119
#2	-5.043	1.751	-.0780	.3814	-3.093	.3092
#3	-3.205	1.843	-.4497	.0612	-3.883	.4636

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.054	-.1010	.1640	1.455
Stddev	.805	.0835	.0199	6.527
%RSD	76.45	82.67	12.12	448.5
#1	-.8913	-.0811	.1423	1.446
#2	-1.928	-.1927	.1814	-5.067
#3	-.3416	-.0292	.1681	7.987

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	3287.5	38033.	5598.8
Stddev	28.3	478.	14.7
%RSD	.86115	1.2565	.26224
#1	3319.9	38522.	5607.5
#2	3267.2	37567.	5581.8
#3	3275.6	38011.	5606.9

Sample Name: CCV Acquired: 4/6/2016 0:00:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 270.4	F 30.54	F .7607	^F *****	F 1.882	F 3.240
Stddev	449.8	42.50	.2124	-----	3.363	7.131
%RSD	166.3	139.2	27.92	-----	178.8	220.1

#1	1.937	9.026	.7375	30.61	-.0046	-.6738
#2	19.65	79.50	.5608	^-----	-.1156	-1.077
#3	789.6	3.103	.9837	.1246	5.765	11.47

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	2500.	1250.	10000.	1000.	125000.
Range	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 16.98	F 33.77	F .0571	F 4.307	F -9.126	F 110.8
Stddev	25.38	51.14	.3924	.601	9.584	160.1
%RSD	149.5	151.4	687.7	13.96	105.0	144.6

#1	4.353	8.379	-.0437	4.882	-15.39	19.40
#2	46.19	92.64	-.2752	3.683	-13.89	17.25
#3	.3873	.3018	.4901	4.358	1.905	295.6

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1250.	2500.	5000.	12500.	100000.	50000.
Range	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 4.352	F .0761	F 209.0	F 32.20	F 97.68	F 9.799
Stddev	6.644	.2631	449.1	49.50	148.7	17.43
%RSD	152.7	345.6	214.9	153.7	152.3	177.9

#1	-.3432	-.1204	-52.24	7.680	24.08	.7289
#2	1.444	-.0263	-48.36	89.17	268.8	29.90
#3	11.95	.3750	727.5	-.2576	.1116	-1.226

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	5000.	125000.	2500.	7500.	1000.
Range	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%

Sample Name: CCV Acquired: 4/6/2016 0:00:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 20.13	F 38.28	F .3392	F 35.95	F 5.174	F 31.03
Stddev	41.40	49.90	.3272	54.82	17.02	47.30
%RSD	205.7	130.4	96.45	152.5	328.9	152.5

#1	-0.8717	14.66	.0506	8.593	-3.625	7.184
#2	67.81	95.60	.6947	99.07	24.79	85.50
#3	-6.561	4.574	.2723	.1970	-5.640	.3903

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500.	2500.	2500.	2500.	1000.	2500.
Range	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 10.89	F 9.482	F .2330	-7.953
Stddev	19.69	16.54	.6142	20.19
%RSD	180.8	174.5	263.5	253.9

#1	1.268	-0.0909	-.1976	-22.85
#2	33.53	-0.0461	-.0396	-16.04
#3	-2.138	28.58	.9363	15.03

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	1000.	5000.	10000.	
Range	-10.50%	-10.50%	-10.50%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	7904.7	85587.	9245.0
Stddev	634.5	3508.	589.9
%RSD	8.0270	4.0989	6.3803

#1	8604.9	89609.	8629.0
#2	7367.8	83993.	9804.7
#3	7741.5	83159.	9301.3

Sample Name: MB 460-359999/1-A@2 Acquired: 4/5/2016 22:24:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.983	.7786	.1575	-.0017	-.0012	13.52
Stddev	6.008	.6278	.0702	.0600	.0182	3.51
%RSD	120.6	80.63	44.58	3509.	1484.	25.95
#1	6.038	1.322	.0900	-.0219	.0123	12.55
#2	10.39	.0911	.2301	-.0490	-.0219	17.42
#3	-1.483	.9232	.1522	.0658	.0059	10.60

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0600	-.0912	-.2974	1.226	4.864	-4.677
Stddev	.1151	.1124	.2322	.208	4.567	21.67
%RSD	191.9	123.3	78.07	16.97	93.89	463.3
#1	.0117	-.2065	-.5282	1.256	.0733	6.570
#2	-.0231	.0182	-.0639	1.005	9.169	9.056
#3	.1913	-.0852	-.3000	1.418	5.351	-29.66

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.465	-.0505	-33.82	.3057	-.0342	-1.219
Stddev	3.151	.0119	2.71	.2878	.9579	.167
%RSD	215.1	23.49	7.998	94.14	2800.	13.73
#1	-1.607	-.0370	-35.01	.1484	1.060	-1.318
#2	4.689	-.0592	-35.73	.6379	-.7226	-1.026
#3	1.313	-.0553	-30.73	.1308	-.4397	-1.313

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

Sample Name: MB 460-359999/1-A@2 Acquired: 4/5/2016 22:24:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.619	-.1972	.0650	.7159	-3.539	-.0369
Stddev	1.270	1.460	.1407	.0555	.401	.1593
%RSD	27.50	740.2	216.3	7.751	11.33	431.7
#1	-3.345	-1.861	-.0835	.7131	-3.806	-.0004
#2	-4.627	.3990	.1962	.7727	-3.078	.1010
#3	-5.884	.8701	.0824	.6619	-3.733	-.2112

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9291	-.0138	.0898	-10.18
Stddev	.2703	.0673	.1503	14.00
%RSD	29.10	487.4	167.4	137.6
#1	-.6446	.0634	.2583	-13.66
#2	-.9602	-.0597	-.0301	-22.11
#3	-1.183	-.0452	.0411	5.236

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	3253.6	37563.	5458.7
Stddev	15.0	254.	81.8
%RSD	.46012	.67567	1.4984
#1	3236.4	37275.	5368.0
#2	3263.7	37755.	5481.2
#3	3260.8	37659.	5526.9

Sample Name: 460-110936-C-40-D@4 Acquired: 4/6/2016 0:20:42 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	[^] *****	k 4.643	k .4532	89.63	1.042	851.3
Stddev	-----	2.142	1.672	.06	.055	3.5
%RSD	-----	46.13	369.0	.0688	5.234	.4147

#1	[^] -----	k 2.173	k -1.476	89.58	1.007	855.1
#2	28050.	5.765	1.342	89.70	1.013	848.1
#3	28020.	5.991	1.493	89.62	1.105	850.7

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	k 1.927	23.27	67.57	32.66	k 44410.	k 3741.
Stddev	3.340	.23	.66	.38	80.	41.
%RSD	173.3	.9731	.9718	1.160	.1810	1.094

#1	k 5.784	23.39	66.82	33.04	k 44440.	k 3702.
#2	.0324	23.41	68.06	32.68	44310.	3784.
#3	-.0347	23.01	67.82	32.28	44460.	3739.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 8256.	k 406.3	k 71.07	k 44.35	k 34.86	k .3639
Stddev	36.	1.2	11.29	.57	.58	1.007
%RSD	.4391	.2932	15.88	1.286	1.667	276.8

#1	k 8257.	k 407.6	k 84.09	k 44.97	k 34.48	k .6819
#2	8291.	405.9	65.16	44.24	34.56	-.7639
#3	8219.	405.3	63.97	43.84	35.53	1.174

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

Sample Name: 460-110936-C-40-D@4 Acquired: 4/6/2016 0:20:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -5.395	k -.3563	55.58	k 128.0	k 7.674	k .7243
Stddev	7.760	1.682	.47	.8	.876	.4284
%RSD	143.8	472.1	.8426	.6323	11.41	59.15
#1	k -14.33	k .2727	56.09	k 128.9	k 8.655	k .2301
#2	-1.522	-2.262	55.18	127.7	6.971	.9896
#3	-.3350	.9204	55.45	127.4	7.396	.9532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	k 4.740	k 14.04	519.6	k 646.3
Stddev	.543	.19	1.5	22.2
%RSD	11.46	1.353	.2882	3.439
#1	k 5.266	k 14.25	518.6	k 620.8
#2	4.771	13.89	518.9	661.6
#3	4.182	13.97	521.3	656.6
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	3280.3	37551.	5566.9
Stddev	15.3	393.	87.9
%RSD	.46666	1.0463	1.5784
#1	3263.7	37099.	5467.3
#2	3294.0	37736.	5599.7
#3	3283.1	37816.	5633.6

Sample Name: 460-110936-D-41-A@4 Acquired: 4/6/2016 0:24:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1462.	6.074	.7342	4.125	.0824	2824.
Stddev	4.	1.564	.5491	.036	.0643	20.
%RSD	.2872	25.74	74.79	.8762	78.01	.7070

#1	1460.	6.836	1.321	4.134	.1321	2802.
#2	1467.	4.276	.6481	4.085	.0098	2829.
#3	1459.	7.111	.2332	4.156	.1053	2842.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0276	.2221	12.24	3.623	9410.	102.7
Stddev	.0782	.3307	.27	.318	83.	26.2
%RSD	283.2	148.9	2.203	8.778	.8775	25.51

#1	-.0040	-.1267	12.53	3.944	9319.	80.10
#2	.1166	.2618	12.18	3.308	9482.	96.59
#3	-.0298	.5311	12.00	3.617	9428.	131.4

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	1631.	13.35	3.444	1.094	5.743	-.2019
Stddev	7.	.07	4.705	.032	1.344	1.023
%RSD	.4202	.4982	136.6	2.920	23.39	506.8

#1	1623.	13.29	8.649	1.131	5.409	-.9272
#2	1636.	13.34	2.192	1.081	7.223	.9686
#3	1633.	13.43	-.5069	1.071	4.598	-.6471

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

Sample Name: 460-110936-D-41-A@4 Acquired: 4/6/2016 0:24:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.006	.0964	10.29	3.526	-3.636	1.055
Stddev	1.537	.7563	.29	.149	.120	.213
%RSD	51.15	784.5	2.782	4.214	3.296	20.16
#1	-1.240	-.3409	10.02	3.688	-3.761	1.083
#2	-3.731	-.3396	10.59	3.396	-3.623	.8301
#3	-4.046	.9697	10.26	3.494	-3.523	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	4.199	2.808	158.0	334.4
Stddev	.517	.016	1.1	14.2
%RSD	12.32	.5801	.7170	4.237
#1	4.503	2.812	158.0	327.3
#2	4.493	2.822	156.8	325.2
#3	3.602	2.791	159.1	350.7

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	3266.8	37632.	5484.2
Stddev	15.8	310.	36.7
%RSD	.48258	.82303	.66964
#1	3248.6	37289.	5494.3
#2	3275.8	37719.	5443.5
#3	3275.9	37890.	5514.8

Sample Name: LCSSRM 460-359999/2- Acquired: 4/5/2016 22:29:02 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34050.	427.2	180.4	1416.	312.7	29710.
Stddev	164.	.5	1.5	3.	1.4	116.
%RSD	.4804	.1092	.8515	.2400	.4373	.3917

#1	33940.	427.4	180.6	1418.	312.7	29670.
#2	34240.	427.6	181.8	1418.	314.1	29840.
#3	33980.	426.7	178.8	1412.	311.4	29620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	686.7	783.4	838.9	475.4	64230.	10960.
Stddev	1.0	2.0	.4	1.3	172.	49.
%RSD	.1521	.2564	.0467	.2833	.2673	.4450

#1	687.1	784.8	839.2	475.9	64060.	10960.
#2	687.6	784.2	838.5	476.3	64410.	11020.
#3	685.6	781.1	839.1	473.8	64240.	10920.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11120.	1928.	11930.	721.9	598.1	235.9
Stddev	49.	9.	59.	2.2	1.8	.5
%RSD	.4414	.4426	.4962	.2995	.3011	.1958

#1	11120.	1925.	11890.	723.6	599.5	236.3
#2	11170.	1938.	11990.	722.6	598.6	235.4
#3	11070.	1922.	11890.	719.5	596.1	235.9

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

Sample Name: LCSSRM 460-359999/2- Acquired: 4/5/2016 22:29:02 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	670.4	874.4	438.2	915.1	595.7	749.4
Stddev	2.4	4.5	.5	.7	2.0	1.6
%RSD	.3545	.5116	.1223	.0813	.3302	.2150
#1	671.5	871.0	437.6	914.4	597.3	750.4
#2	672.0	879.5	438.6	915.9	596.5	750.3
#3	667.7	872.8	438.4	915.1	593.5	747.6

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	461.3	402.3	1781.	1158.
Stddev	1.4	1.2	.	5.
%RSD	.2986	.3030	.0223	.4366
#1	461.4	400.9	1781.	1158.
#2	462.6	403.3	1781.	1153.
#3	459.8	402.6	1781.	1163.

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	3338.8	38207.	5755.9
Stddev	15.3	143.	34.4
%RSD	.45737	.37411	.59735
#1	3323.9	38124.	5731.3
#2	3338.0	38125.	5741.3
#3	3354.4	38372.	5795.2

Sample Name: MB 460-360214/1-A Acquired: 4/6/2016 0:36:26 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.249	.6627	.2868	-.0826	.0282	17.24
Stddev	9.204	.5348	.0455	.0178	.0820	1.93
%RSD	147.3	80.69	15.88	21.61	290.6	11.17

#1	-7.171	.0551	.3251	-.0824	.0799	18.20
#2	3.382	1.062	.2989	-.0648	-.0664	15.02
#3	-14.96	.8716	.2365	-.1005	.0711	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	.0492	-.0309	-.0653	1.836	8.868	-11.78
Stddev	.0770	.1172	.2031	.220	20.62	18.97
%RSD	156.5	379.6	311.0	12.00	232.6	161.0

#1	.0053	-.1504	-.1938	1.589	32.25	-27.99
#2	.0042	-.0260	-.1710	1.910	-6.752	9.080
#3	.1381	.0838	.1689	2.010	1.110	-16.42

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.447	.1639	-34.88	.6378	-.8463	-1.226
Stddev	2.336	.2690	3.87	.2213	.4500	.092
%RSD	161.5	164.1	11.10	34.70	53.18	7.529

#1	4.129	.4721	-38.67	.4372	-.9754	-1.139
#2	-.1449	-.0238	-30.93	.6010	-.3459	-1.216
#3	.3567	.0435	-35.05	.8752	-1.218	-1.322

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

Sample Name: MB 460-360214/1-A Acquired: 4/6/2016 0:36:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.672	1.767	-.1422	.7727	-4.058	-.1089
Stddev	2.740	1.425	.1664	.1470	.324	.0747
%RSD	74.61	80.63	117.0	19.02	7.992	68.63
#1	-6.681	.1740	-.2944	.7571	-4.101	-.1909
#2	-3.014	2.920	-.1677	.6341	-4.358	-.0912
#3	-1.321	2.208	.0355	.9268	-3.714	-.0446

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6356	-.1072	.2880	-5.766
Stddev	.8062	.0151	.5993	22.86
%RSD	126.8	14.07	208.1	396.5
#1	-.1912	-.1230	.9791	-4.606
#2	-1.566	-.0930	-.0259	-29.19
#3	-.1495	-.1056	-.0891	16.50

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	3265.6	37419.	5442.9
Stddev	5.7	161.	37.9
%RSD	.17574	.43130	.69609
#1	3269.5	37523.	5456.4
#2	3268.4	37502.	5400.2
#3	3259.0	37233.	5472.2

Sample Name: 460-111160-E-1-A DU Acquired: 4/5/2016 22:33:04 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80810.	44.82	4.818	318.2	3.333	8522.
Stddev	216.	.75	.270	.3	.049	17.
%RSD	.2672	1.671	5.598	.1074	1.470	.1963

#1	80980.	44.65	4.798	318.0	3.324	8503.
#2	80880.	45.64	5.097	318.6	3.289	8531.
#3	80570.	44.17	4.558	317.9	3.385	8533.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.753	40.51	220.7	136.2	139700.	12590.
Stddev	.085	.16	1.4	.9	160.	5.
%RSD	2.252	.3863	.6172	.6461	.1146	.0429

#1	3.733	40.69	220.5	137.1	139500.	12590.
#2	3.845	40.39	219.5	135.3	139800.	12590.
#3	3.680	40.45	222.2	136.2	139800.	12580.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22590.	3061.	2920.	120.6	191.8	-.1520
Stddev	52.	11.	15.	.3	1.8	.5134
%RSD	.2297	.3450	.4969	.2253	.9581	337.7

#1	22530.	3050.	2936.	120.3	189.9	-.0243
#2	22600.	3061.	2917.	120.6	193.5	.2855
#3	22630.	3071.	2908.	120.8	192.2	-.7172

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

Sample Name: 460-111160-E-1-A DU Acquired: 4/5/2016 22:33:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.296	-3.006	197.0	1043.	28.07	2.888
Stddev	1.358	1.670	.3	3.	.71	.299
%RSD	16.37	55.55	.1701	.2979	2.534	10.34
#1	7.273	-4.656	197.4	1041.	28.86	2.703
#2	9.836	-1.317	196.7	1046.	27.87	3.233
#3	7.779	-3.045	197.0	1042.	27.48	2.729

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.27	130.3	2926.	1099.
Stddev	.63	.8	4.	6.
%RSD	6.150	.5965	.1415	.5821
#1	9.753	131.0	2921.	1106.
#2	10.07	130.3	2930.	1098.
#3	10.97	129.5	2927.	1093.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3537.5	40038.	6171.3
Stddev	11.5	126.	5.6
%RSD	.32633	.31513	.09072
#1	3542.8	39967.	6172.5
#2	3524.2	40183.	6165.2
#3	3545.4	39962.	6176.2

Sample Name: sd 460-111160-D-1-C Acquired: 4/5/2016 22:41:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16980.	11.71	1.368	67.59	.6846	1824.
Stddev	23.	.43	.201	.04	.1080	10.
%RSD	.1339	3.666	14.69	.0586	15.78	.5234

#1	16970.	12.18	1.426	67.57	.5867	1813.
#2	16970.	11.33	1.144	67.56	.8005	1826.
#3	17010.	11.64	1.533	67.63	.6665	1832.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9627	8.866	46.77	29.99	28950.	2663.
Stddev	.0888	.147	.33	.59	183.	30.
%RSD	9.222	1.658	.7047	1.953	.6324	1.128

#1	1.062	8.842	46.99	29.41	28770.	2665.
#2	.9368	8.733	46.93	30.58	28940.	2692.
#3	.8899	9.024	46.39	30.00	29140.	2632.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4910.	646.8	582.9	26.56	42.74	-.6205
Stddev	10.	2.7	4.0	.10	1.03	1.633
%RSD	.1976	.4224	.6800	.3914	2.410	263.1

#1	4900.	644.1	587.1	26.45	43.90	.7635
#2	4909.	646.8	582.4	26.58	41.92	-2.421
#3	4920.	649.6	579.2	26.65	42.41	-.2041

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

Sample Name: sd 460-111160-D-1-C Acquired: 4/5/2016 22:41:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0410	.7639	41.10	227.3	2.899	.5012
Stddev	2.118	1.027	.24	1.2	.664	.1739
%RSD	5164.	134.5	.5872	.5285	22.89	34.70
#1	-1.958	-.2246	40.96	226.4	3.391	.3126
#2	-.1804	.6905	41.38	226.8	2.145	.5356
#3	2.261	1.826	40.95	228.6	3.162	.6554

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.741	27.31	606.8	235.6
Stddev	.680	.14	2.0	10.8
%RSD	39.08	.5233	.3234	4.574
#1	1.303	27.17	605.1	240.4
#2	2.524	27.30	606.3	223.2
#3	1.394	27.46	608.9	243.1

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	3349.5	38397.	5764.2
Stddev	3.4	114.	48.7
%RSD	.10118	.29676	.84547
#1	3347.8	38518.	5728.5
#2	3353.4	38383.	5819.8
#3	3347.2	38292.	5744.5

Sample Name: CCV Acquired: 4/6/2016 0:52:24 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	2305.	1197.	9263.	961.2	119800.
Stddev	578.	1.	7.	17.	2.2	559.
%RSD	.4708	.0377	.5996	.1868	.2325	.4670

#1	122400.	2304.	1189.	9244.	961.9	119700.
#2	122200.	2306.	1200.	9268.	958.8	120400.
#3	123300.	2304.	1202.	9278.	963.1	119200.

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	1170.	2360.	4641.	11520.	97630.	48100.
Stddev	1.	6.	15.	67.	203.	201.
%RSD	.0968	.2669	.3312	.5792	.2083	.4181

#1	1170.	2353.	4648.	11460.	97540.	48050.
#2	1171.	2361.	4651.	11510.	97860.	47930.
#3	1169.	2366.	4623.	11590.	97480.	48320.

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	116500.	4881.	124900.	2303.	6860.	922.4
Stddev	330.	17.	823.	3.	7.	2.0
%RSD	.2834	.3478	.6585	.1304	.1054	.2143

#1	116400.	4866.	124500.	2307.	6866.	920.1
#2	116900.	4899.	124400.	2301.	6863.	923.4
#3	116300.	4877.	125900.	2301.	6852.	923.7

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

Sample Name: CCV Acquired: 4/6/2016 0:52:24 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2276.	2391.	2348.	2426.	897.8	2312.
Stddev	4.	5.	2.	8.	1.5	5.
%RSD	.1714	.2007	.0769	.3331	.1713	.2095

#1	2280.	2394.	2349.	2425.	896.8	2306.
#2	2273.	2386.	2350.	2434.	896.9	2313.
#3	2274.	2393.	2346.	2418.	899.5	2316.

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	926.8	4886.	9691.	8645.
Stddev	2.7	33.	96.	227.
%RSD	.2886	.6661	.9870	2.624

#1	928.1	4864.	9581.	8385.
#2	928.5	4871.	9733.	8742.
#3	923.7	4923.	9758.	8807.

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	3021.7	34272.	5342.7
Stddev	3.4	222.	153.4
%RSD	.11363	.64886	2.8710

#1	3024.4	34121.	5168.4
#2	3017.9	34168.	5402.6
#3	3023.0	34527.	5457.1

Sample Name: pds 460-111160-D-1-C Acquired: 4/5/2016 22:49:34 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81490.	1559.	44.06	1890.	44.50	24410.
Stddev	455.	2.	.21	2.	.34	142.
%RSD	.5586	.1090	.4840	.1080	.7704	.5815

#1	81230.	1561.	44.28	1888.	44.12	24370.
#2	81220.	1560.	44.05	1891.	44.59	24290.
#3	82010.	1557.	43.86	1892.	44.79	24560.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.48	443.8	381.5	328.7	137400.	27440.
Stddev	.11	1.1	3.3	1.8	868.	108.
%RSD	.2515	.2482	.8713	.5518	.6318	.3931

#1	43.60	442.6	380.6	330.6	137000.	27360.
#2	43.45	444.6	378.7	327.0	136900.	27400.
#3	43.38	444.3	385.1	328.5	138400.	27560.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37710.	3414.	19470.	518.5	580.1	378.5
Stddev	174.	15.	98.	1.4	3.4	2.6
%RSD	.4602	.4397	.5042	.2604	.5799	.6747

#1	37700.	3415.	19400.	517.0	576.8	378.9
#2	37540.	3398.	19420.	519.2	579.8	380.9
#3	37890.	3428.	19580.	519.3	583.6	375.8

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

Sample Name: pds 460-111160-D-1-C Acquired: 4/5/2016 22:49:34 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1488.	1643.	597.6	1438.	412.9	394.6
Stddev	3.	20.	4.5	13.	1.5	.7
%RSD	.2151	1.226	.7530	.8694	.3623	.1654
#1	1491.	1621.	598.0	1425.	414.5	394.9
#2	1489.	1646.	592.9	1439.	412.8	393.9
#3	1485.	1661.	601.9	1450.	411.5	395.1

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	407.8	541.2	3304.	1123.
Stddev	2.4	.4	8.	27.
%RSD	.5888	.0652	.2492	2.369
#1	405.3	541.4	3297.	1097.
#2	408.0	540.8	3300.	1150.
#3	410.1	541.4	3313.	1120.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3481.1	39436.	6141.9
Stddev	9.3	225.	49.1
%RSD	.26602	.57115	.79997
#1	3491.4	39422.	6192.0
#2	3478.5	39668.	6139.8
#3	3473.5	39218.	6093.8

Sample Name: sd 460-111359-D-4-A Acquired: 4/6/2016 1:04:13 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	671.4	2.731	-.0794	7.712	.0925	6235.
Stddev	9.2	2.040	.1840	.042	.0496	20.
%RSD	1.377	74.67	231.7	.5485	53.64	.3205

#1	665.8	2.550	.0937	7.688	.1369	6256.
#2	666.3	4.856	-.0592	7.761	.1017	6233.
#3	682.0	.7885	-.2728	7.686	.0389	6216.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1198	.3647	1.282	4.042	1050.	3552.
Stddev	.0874	.1349	.377	.696	9.	7.
%RSD	72.98	36.98	29.43	17.21	.8120	.1962

#1	.1641	.5140	.8670	4.845	1048.	3554.
#2	.1762	.2517	1.604	3.661	1060.	3558.
#3	.0191	.3284	1.376	3.621	1043.	3545.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10870.	49.09	92190.	1.447	3.593	-.8940
Stddev	31.	.32	443.	.293	.223	1.282
%RSD	.2894	.6462	.4802	20.28	6.210	143.4

#1	10870.	49.40	91870.	1.772	3.455	.5224
#2	10910.	49.11	92690.	1.201	3.472	-1.230
#3	10840.	48.77	92000.	1.368	3.850	-1.975

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

Sample Name: sd 460-111359-D-4-A Acquired: 4/6/2016 1:04:13 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81.02	1.198	1.922	8.355	35.56	.1801
Stddev	2.15	.761	.095	.141	.55	.1053
%RSD	2.657	63.50	4.943	1.691	1.549	58.50

#1	82.73	.7902	1.873	8.518	35.73	.1105
#2	81.71	2.076	2.032	8.276	34.95	.3013
#3	78.60	.7284	1.862	8.270	36.01	.1284

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.010	76.93	27.99	1447.
Stddev	.500	.37	.23	21.
%RSD	49.53	.4811	.8229	1.434

#1	-.7347	76.53	27.95	1428.
#2	-1.588	77.26	28.24	1469.
#3	-.7085	77.00	27.78	1445.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3146.9	35352.	5306.5
Stddev	16.5	193.	32.4
%RSD	.52552	.54585	.61078

#1	3161.9	35347.	5325.7
#2	3129.2	35161.	5269.0
#3	3149.8	35547.	5324.6

Sample Name: 460-111377-K-1-A Acquired: 4/6/2016 1:15:43 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	611.4	14.03	.3591	300.0	.0388	248200.
Stddev	6.4	.60	.6628	1.0	.0096	592.
%RSD	1.042	4.279	184.6	.3220	24.66	.2384
#1	612.5	13.39	1.101	301.1	.0281	248600.
#2	604.6	14.10	-.1754	299.4	.0419	247600.
#3	617.2	14.59	.1521	299.4	.0465	248600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0395	7.358	-1.127	2.987	12810.	31990.
Stddev	.0636	.243	.487	.117	21.	100.
%RSD	161.0	3.304	43.18	3.899	.1634	.3132
#1	.0314	7.136	-1.039	3.121	12820.	32100.
#2	.1068	7.319	-1.652	2.929	12780.	31920.
#3	-.0197	7.618	-.6908	2.911	12820.	31950.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37030.	1139.	183500.	41.36	30.89	3.038
Stddev	57.	3.	951.	.10	1.33	1.080
%RSD	.1552	.2712	.5180	.2514	4.320	35.54
#1	37090.	1141.	184600.	41.47	30.59	3.666
#2	36970.	1135.	182800.	41.27	32.34	3.656
#3	37030.	1140.	183100.	41.35	29.72	1.791

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

Sample Name: 460-111377-K-1-A Acquired: 4/6/2016 1:15:43 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	165.1	1.262	1.681	806.9	538.1	7.824
Stddev	2.2	.986	.148	1.8	2.2	.379
%RSD	1.344	78.11	8.794	.2262	.4074	4.838
#1	165.6	1.420	1.797	809.0	540.6	8.234
#2	162.7	.2070	1.730	806.1	536.6	7.488
#3	167.1	2.160	1.514	805.7	537.1	7.750

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 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	1810.	4.174	11400.
Stddev	.522	9.	.314	28.
%RSD	39.12	.4720	7.522	.2450
#1	1.156	1819.	4.042	11430.
#2	1.922	1802.	3.947	11400.
#3	.9250	1808.	4.532	11380.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2893.5	33844.	5199.6
Stddev	6.1	100.	17.3
%RSD	.20966	.29399	.33361
#1	2888.1	33917.	5183.8
#2	2892.4	33885.	5218.2
#3	2900.1	33731.	5196.7

Sample Name: 460-111160-D-8-A@4 Acquired: 4/5/2016 22:53:32 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79460.	41.33	4.486	277.0	3.479	6896.
Stddev	1383.	2.68	.025	1.5	.017	95.
%RSD	1.740	6.480	.5563	.5560	.4746	1.382

#1	77950.	39.97	4.459	275.3	3.492	6795.
#2	79760.	39.61	4.489	278.3	3.485	6908.
#3	80670.	44.42	4.509	277.4	3.461	6984.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0846	42.27	214.5	105.8	130700.	11390.
Stddev	.1267	.85	2.7	.3	1890.	174.
%RSD	149.8	2.012	1.260	.3231	1.446	1.531

#1	.0539	41.51	211.4	105.4	128600.	11210.
#2	-.1130	42.12	216.3	105.9	131300.	11400.
#3	-.1946	43.19	215.7	106.1	132200.	11560.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23520.	1628.	6875.	87.09	271.1	-.5941
Stddev	288.	20.	102.	.88	3.3	.5250
%RSD	1.225	1.217	1.486	1.007	1.215	88.37

#1	23200.	1607.	6760.	86.46	267.8	-.5488
#2	23580.	1630.	6908.	86.73	271.1	-.0932
#3	23760.	1646.	6957.	88.09	274.4	-1.140

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

Sample Name: 460-111160-D-8-A@4 Acquired: 4/5/2016 22:53:32 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.05	-1.614	176.4	559.4	30.14	1.842
Stddev	2.97	1.300	1.8	6.9	.22	.170
%RSD	26.87	80.54	1.021	1.226	.7409	9.235
#1	9.354	-1.230	174.4	551.8	30.04	1.851
#2	14.48	-3.064	176.7	561.2	30.39	2.007
#3	9.322	-.5500	178.0	565.2	29.98	1.667

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.24	74.20	2788.	954.4
Stddev	.59	.93	33.	9.8
%RSD	4.821	1.257	1.200	1.026
#1	11.86	73.18	2751.	943.9
#2	12.92	74.43	2795.	955.9
#3	11.95	75.00	2817.	963.3

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	3489.7	39612.	6012.8
Stddev	1.6	76.	13.9
%RSD	.04676	.19310	.23199
#1	3491.1	39604.	6004.2
#2	3490.2	39539.	6028.9
#3	3487.9	39692.	6005.4

Sample Name: 460-111377-K-4-A Acquired: 4/6/2016 1:27:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	345.7	2.869	.5886	568.2	.1168	171500.
Stddev	3.1	.650	.0322	2.6	.0673	1150.
%RSD	.9049	22.66	5.478	.4512	57.58	.6704

#1	347.5	3.015	.5650	571.1	.1304	172300.
#2	347.4	2.159	.5756	566.4	.0438	172100.
#3	342.0	3.434	.6254	567.0	.1762	170200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0131	5.434	-.1658	1.754	31190.	47390.
Stddev	.0398	.167	.5357	.444	127.	383.
%RSD	303.5	3.063	323.0	25.33	.4070	.8089

#1	-.0137	5.511	.4417	2.109	31230.	47450.
#2	-.0058	5.549	-.3689	1.256	31290.	47740.
#3	.0589	5.243	-.5703	1.898	31040.	46980.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22570.	1010.	247500.	24.63	20.56	5.522
Stddev	113.	4.	4074.	.12	1.96	.605
%RSD	.5015	.4364	1.646	.4775	9.508	10.96

#1	22670.	1013.	244100.	24.52	22.26	6.127
#2	22590.	1012.	252000.	24.62	18.43	4.917
#3	22450.	1005.	246300.	24.75	21.00	5.523

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-K-4-A Acquired: 4/6/2016 1:27:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	219.3	-1.242	.7878	344.9	444.0	1.666
Stddev	.8	.950	.2294	.6	2.5	.130
%RSD	.3682	76.48	29.12	.1878	.5693	7.813
#1	219.3	-1.393	.9006	345.4	446.9	1.816
#2	220.0	-.2254	.9389	345.1	442.2	1.594
#3	218.4	-2.107	.5238	344.2	442.9	1.588

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.688	1126.	6.248	10560.
Stddev	.578	6.	1.408	87.
%RSD	34.21	.5264	22.54	.8252
#1	1.038	1126.	5.613	10560.
#2	1.886	1132.	7.862	10470.
#3	2.141	1120.	5.270	10650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2872.4	33391.	5153.5
Stddev	23.6	411.	110.2
%RSD	.82251	1.2321	2.1375
#1	2853.4	33104.	5127.8
#2	2864.9	33207.	5058.4
#3	2898.8	33862.	5274.2

Sample Name: 460-111160-D-11-B@4 Acquired: 4/5/2016 22:57:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52670.	21.13	3.007	158.1	2.408	8531.
Stddev	105.	1.20	.302	.4	.106	10.
%RSD	.1996	5.691	10.03	.2639	4.385	.1201

#1	52750.	22.34	2.821	157.9	2.358	8539.
#2	52550.	21.12	3.355	157.8	2.337	8536.
#3	52700.	19.93	2.845	158.6	2.529	8520.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0209	29.33	126.4	26.86	90010.	8980.
Stddev	.0796	.06	.6	.68	119.	31.
%RSD	381.3	.2079	.4959	2.529	.1326	.3422

#1	-.0752	29.26	125.9	27.53	89930.	8951.
#2	-.0579	29.36	127.1	26.87	90150.	8976.
#3	.0705	29.37	126.1	26.17	89960.	9012.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20180.	2340.	4694.	69.23	34.35	-.8709
Stddev	52.	7.	16.	.41	.69	.9169
%RSD	.2585	.2936	.3509	.5926	1.995	105.3

#1	20240.	2347.	4711.	68.95	34.57	-.6492
#2	20180.	2338.	4678.	69.04	34.90	-.0851
#3	20130.	2333.	4694.	69.70	33.58	-1.878

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111160-D-11-B@4 Acquired: 4/5/2016 22:57:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.487	-6559	117.7	202.1	31.44	1.102
Stddev	.699	.8251	.8	.6	.33	.088
%RSD	9.329	125.8	.6739	.3074	1.062	7.995
#1	7.029	-1.036	117.5	201.4	31.31	1.127
#2	8.291	.2907	118.6	202.6	31.19	1.004
#3	7.141	-1.223	117.1	202.2	31.82	1.175

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	5.964	75.45	2357.	806.1
Stddev	.657	.08	6.	10.5
%RSD	11.01	.1093	.2644	1.305
#1	6.691	75.39	2351.	796.7
#2	5.415	75.55	2356.	817.4
#3	5.785	75.42	2363.	804.1

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	3379.0	38194.	5787.6
Stddev	17.5	65.	54.0
%RSD	.51708	.17053	.93311
#1	3397.9	38161.	5741.3
#2	3375.5	38152.	5846.9
#3	3363.5	38269.	5774.6

Sample Name: 460-111377-K-5-A Acquired: 4/6/2016 1:31:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	382.3	6.188	-1.134	428.8	.0902	185900.
Stddev	10.2	3.538	.2420	.9	.1226	606.
%RSD	2.675	57.17	213.4	.2155	135.9	.3261
#1	393.9	8.113	.0261	428.8	.0698	185600.
#2	374.7	8.347	.0266	427.9	-.0209	185600.
#3	378.2	2.105	-.3928	429.7	.2218	186600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1880	3.323	.0651	10.01	4298.	44300.
Stddev	.1040	.035	.3495	.36	12.	153.
%RSD	55.33	1.061	537.3	3.645	.2809	.3452
#1	.0685	3.288	.4627	10.28	4302.	44450.
#2	.2580	3.359	-.0737	10.14	4285.	44300.
#3	.2374	3.322	-.1938	9.593	4308.	44140.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39050.	318.5	154400.	26.59	47.57	4.538
Stddev	94.	.7	916.	.45	.83	1.054
%RSD	.2408	.2074	.5934	1.701	1.747	23.22
#1	38990.	318.9	155100.	27.10	47.93	4.111
#2	39000.	317.8	154600.	26.27	46.62	3.766
#3	39150.	318.9	153300.	26.38	48.16	5.739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-K-5-A Acquired: 4/6/2016 1:31:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	135.6	-1.215	.6757	1054.	713.2	3.895
Stddev	.6	2.842	.4850	1.	1.0	.123
%RSD	.4629	233.9	71.78	.0927	.1413	3.165
#1	135.3	2.053	.8421	1055.	713.8	3.831
#2	136.3	-2.589	.1293	1053.	713.7	3.816
#3	135.2	-3.109	1.056	1054.	712.0	4.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.048	1316.	7.215	11910.
Stddev	.641	5.	.553	35.
%RSD	12.70	.3547	7.669	.2941
#1	4.424	1322.	7.094	11940.
#2	5.016	1313.	7.819	11880.
#3	5.705	1314.	6.732	11920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2889.1	33380.	5203.5
Stddev	8.9	164.	27.4
%RSD	.30898	.49234	.52676
#1	2889.6	33511.	5232.1
#2	2897.7	33435.	5200.7
#3	2879.9	33196.	5177.5

Sample Name: CCV Acquired: 4/5/2016 23:06:00 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122200.	2277.	1181.	9148.	958.1	117900.
Stddev	390.	4.	3.	19.	2.4	602.
%RSD	.3193	.1798	.2858	.2107	.2470	.5103

#1	121800.	2281.	1181.	9168.	960.1	117300.
#2	122300.	2273.	1178.	9148.	955.5	117800.
#3	122600.	2277.	1185.	9129.	958.7	118500.

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	1158.	2331.	4596.	11460.	96510.	47710.
Stddev	1.	2.	4.	50.	459.	106.
%RSD	.1207	.0903	.0865	.4339	.4760	.2224

#1	1159.	2333.	4595.	11500.	95990.	47750.
#2	1158.	2333.	4601.	11460.	96700.	47590.
#3	1157.	2329.	4593.	11400.	96840.	47790.

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	114600.	4789.	124300.	2278.	6787.	911.8
Stddev	307.	25.	598.	7.	18.	4.1
%RSD	.2680	.5227	.4813	.3267	.2687	.4530

#1	114300.	4766.	123900.	2285.	6808.	915.6
#2	114600.	4786.	124000.	2278.	6780.	907.4
#3	114900.	4816.	125000.	2270.	6773.	912.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 23:06:00 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2258.	2405.	2336.	2406.	F 886.8	2289.
Stddev	9.	29.	4.	5.	3.2	4.
%RSD	.4122	1.208	.1804	.1887	.3559	.1666
#1	2269.	2395.	2337.	2400.	890.5	2292.
#2	2251.	2383.	2340.	2408.	884.6	2285.
#3	2255.	2438.	2331.	2409.	885.4	2290.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1000.	
Range					-10.50%	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	917.5	4830.	9598.	8660.
Stddev	1.3	19.	30.	70.
%RSD	.1384	.3958	.3092	.8063
#1	918.3	4830.	9564.	8682.
#2	916.1	4811.	9611.	8582.
#3	918.2	4850.	9620.	8716.

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	3027.4	34569.	5337.1
Stddev	4.4	121.	39.6
%RSD	.14510	.35114	.74260
#1	3025.3	34648.	5320.6
#2	3024.5	34629.	5308.3
#3	3032.5	34429.	5382.3

Sample Name: CCVL Acquired: 4/5/2016 23:14:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	242.3	13.64	9.640	192.4	2.109	4773.
Stddev	5.4	1.49	.153	.5	.066	6.
%RSD	2.247	10.91	1.590	.2797	3.136	.1303

#1	245.0	14.41	9.495	192.7	2.043	4773.
#2	236.0	14.58	9.800	192.6	2.110	4767.
#3	245.8	11.92	9.625	191.7	2.175	4779.

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	4.197	49.91	10.22	27.14	177.9	4671.
Stddev	.120	.31	.11	.46	7.9	49.
%RSD	2.868	.6169	1.068	1.679	4.457	1.052

#1	4.062	50.19	10.34	27.50	168.7	4701.
#2	4.295	49.95	10.20	27.30	182.7	4698.
#3	4.233	49.58	10.13	26.63	182.2	4614.

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	4587.	16.22	4858.	40.10	11.14	16.51
Stddev	17.	.05	40.	.35	1.17	.34
%RSD	.3631	.3305	.8262	.8827	10.46	2.090

#1	4578.	16.28	4900.	40.35	10.60	16.54
#2	4606.	16.17	4820.	40.25	10.35	16.84
#3	4577.	16.20	4856.	39.69	12.48	16.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 23:14:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.45	22.80	47.16	30.72	41.64	18.65
Stddev	2.23	1.56	.48	.02	.53	.15
%RSD	12.09	6.848	1.024	.0801	1.276	.7864

#1	16.15	22.47	46.98	30.71	41.23	18.50
#2	20.60	21.42	46.79	30.69	41.45	18.79
#3	18.61	24.49	47.71	30.74	42.24	18.65

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	46.77	20.47	20.73	F -2.980
Stddev	.97	.04	.17	1.950
%RSD	2.069	.1813	.8074	65.43

#1	46.94	20.50	20.67	-2.470
#2	45.73	20.43	20.60	-1.335
#3	47.65	20.49	20.92	-5.134

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	3250.9	37166.	5490.0
Stddev	6.4	184.	59.9
%RSD	.19789	.49574	1.0915

#1	3251.8	37029.	5456.4
#2	3256.8	37375.	5559.2
#3	3244.0	37093.	5454.5

Sample Name: 460-111359-D-2-A Acquired: 4/6/2016 1:54:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1585.	7.149	.4035	68.30	.5093	44480.
Stddev	10.	1.215	.3996	.39	.1061	86.
%RSD	.6074	17.00	99.05	.5672	20.83	.1923

#1	1583.	8.393	.8082	67.86	.5120	44430.
#2	1596.	5.965	.0092	68.57	.6140	44580.
#3	1577.	7.088	.3931	68.48	.4018	44440.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9114	8.763	5.459	31.04	7396.	25520.
Stddev	.0148	.105	.562	1.09	11.	209.
%RSD	1.619	1.200	10.29	3.497	.1511	.8189

#1	.9188	8.861	5.667	31.46	7389.	25420.
#2	.9210	8.652	4.823	31.85	7391.	25370.
#3	.8944	8.776	5.887	29.81	7409.	25750.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82500.	1719.	F 618700.	12.81	43.15	-.4056
Stddev	150.	5.	9371.	.51	1.37	1.567
%RSD	.1812	.2892	1.514	4.008	3.163	386.3

#1	82330.	1716.	609600.	12.96	44.45	.7924
#2	82610.	1724.	618300.	12.24	43.27	.1697
#3	82560.	1715.	628300.	13.23	41.73	-2.179

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-D-2-A Acquired: 4/6/2016 1:54:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	546.1	.6175	19.41	160.7	286.2	.4356
Stddev	7.1	1.051	.29	1.1	.9	.2203
%RSD	1.301	170.1	1.507	.7075	.3046	50.57
#1	540.2	-.2694	19.35	159.4	285.3	.6259
#2	544.2	.3440	19.72	161.1	286.3	.1943
#3	554.0	1.778	19.15	161.6	287.1	.4867

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7335	552.8	29.25	3419.
Stddev	.8504	2.5	.18	47.
%RSD	115.9	.4541	.6009	1.361
#1	.0641	551.2	29.34	3388.
#2	-1.628	551.5	29.04	3472.
#3	-.6363	555.7	29.35	3397.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2974.3	32780.	5284.3
Stddev	15.4	114.	70.0
%RSD	.51806	.34911	1.3239
#1	2978.7	32677.	5296.4
#2	2957.1	32759.	5347.5
#3	2987.0	32903.	5209.1

Sample Name: 460-111359-D-5-A Acquired: 4/6/2016 2:02:26 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.472	.8017	-.0136	-.0292	-.0382	12.44
Stddev	13.22	1.073	.2634	.0843	.0429	1.87
%RSD	534.7	133.9	1933.	288.7	112.5	15.07
#1	.5841	-.4103	-.2745	-.0248	-.0596	10.37
#2	16.53	1.633	.2523	-.1157	.0113	12.90
#3	-9.701	1.183	-.0187	.0528	-.0662	14.03

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	-.0751	-.0333	-.2138	2.386	-4.058	-8.811
Stddev	.0680	.0748	.2336	.485	1.170	38.65
%RSD	90.51	224.8	109.3	20.32	28.83	438.7
#1	-.0877	-.0621	.0478	2.743	-4.990	-48.78
#2	-.0017	-.0893	-.2874	2.582	-4.439	-6.017
#3	-.1360	.0516	-.4017	1.834	-2.745	28.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.030	.2542	248.6	.2948	-.4679	-.1573
Stddev	2.273	.1314	224.6	.3873	.4714	1.644
%RSD	75.02	51.67	90.34	131.4	100.7	1045.
#1	1.915	.3755	138.4	.0094	.0721	-2.024
#2	5.646	.1147	507.1	.7356	-.6786	1.077
#3	1.530	.2725	100.4	.1393	-.7972	.4751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111359-D-5-A Acquired: 4/6/2016 2:02:26 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.698	.8855	-.0981	1.077	-.3329	-.0367
Stddev	4.397	1.384	.2059	.091	.5506	.2084
%RSD	162.9	156.3	209.9	8.415	165.4	568.4
#1	-.7833	-.5623	-.0412	1.180	.1685	-.0194
#2	.4159	2.196	.0734	1.013	-.9222	.1626
#3	-7.728	1.023	-.3265	1.036	-.2450	-.2531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3850	.1954	.0756	18.25
Stddev	.3456	.3135	.0907	8.79
%RSD	89.76	160.5	120.1	48.14
#1	-.1083	-.0086	.0949	11.66
#2	-.7723	.5564	.1551	14.87
#3	-.2744	.0383	-.0233	28.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3235.0	37169.	5417.4
Stddev	16.6	369.	77.2
%RSD	.51448	.99294	1.4246
#1	3219.9	36749.	5336.7
#2	3252.8	37443.	5425.0
#3	3232.2	37314.	5490.5

Sample Name: 460-109980-G-1-A Acquired: 4/6/2016 2:06:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116.9	2.238	.1898	54.41	.0564	18230.
Stddev	9.1	.667	.2996	.37	.0928	32.
%RSD	7.778	29.82	157.8	.6836	164.4	.1765

#1	124.8	2.084	.0027	54.55	-.0044	18250.
#2	107.0	1.661	.0314	54.68	.1632	18190.
#3	119.0	2.969	.5354	53.98	.0105	18250.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3667	.3564	41.35	1.840	229.9	6615.
Stddev	.0434	.1136	.32	.396	3.5	39.
%RSD	11.83	31.88	.7771	21.51	1.520	.5893

#1	.4001	.4863	41.28	1.503	227.5	6585.
#2	.3823	.3067	41.07	1.741	228.2	6659.
#3	.3176	.2760	41.70	2.275	233.9	6601.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5032.	127.8	45490.	9.019	2.422	.3924
Stddev	22.	.7	129.	.155	1.265	1.057
%RSD	.4395	.5355	.2835	1.718	52.23	269.3

#1	5011.	127.5	45620.	9.006	1.816	.2960
#2	5030.	127.3	45480.	8.872	1.575	-.6130
#3	5055.	128.6	45360.	9.181	3.876	1.494

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-G-1-A Acquired: 4/6/2016 2:06:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.05	1.048	.3040	11.35	17.09	-.0778
Stddev	2.57	1.285	.2610	.17	.60	.1815
%RSD	7.130	122.6	85.84	1.473	3.501	233.3
#1	33.77	2.520	.5141	11.18	17.78	-.2855
#2	35.53	.4760	.3861	11.51	16.76	.0014
#3	38.84	.1488	.0119	11.35	16.73	.0507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2889	110.1	3.446	4232.
Stddev	.7535	.4	.055	49.
%RSD	260.8	.3644	1.594	1.153
#1	.5811	109.8	3.383	4240.
#2	-.7319	110.6	3.468	4276.
#3	-.7159	110.0	3.486	4180.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	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	35881.	5422.3
Stddev	13.7	136.	51.0
%RSD	.43274	.37773	.94034
#1	3155.6	35924.	5459.7
#2	3141.2	35989.	5443.0
#3	3168.5	35729.	5364.2

Sample Name: 460-109980-G-2-A Acquired: 4/6/2016 2:10:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	168.5	1.672	-.2054	40.47	.0454	10410.
Stddev	9.9	.920	.4569	.13	.0408	21.
%RSD	5.852	55.01	222.4	.3113	89.73	.2006
#1	160.4	2.697	.1534	40.40	.0918	10400.
#2	165.5	1.402	-.7199	40.62	.0150	10400.
#3	179.5	.9182	-.0498	40.40	.0295	10430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0754	1.302	474.0	3.130	2151.	3338.
Stddev	.0173	.085	2.0	.364	11.	7.
%RSD	22.95	6.503	.4309	11.63	.5136	.2035
#1	.0558	1.346	475.8	2.714	2145.	3340.
#2	.0815	1.356	471.8	3.390	2164.	3331.
#3	.0887	1.204	474.5	3.285	2145.	3344.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2706.	61.47	23150.	81.22	4.277	.6676
Stddev	21.	.33	58.	.77	1.193	1.060
%RSD	.7761	.5399	.2485	.9473	27.90	158.8
#1	2698.	61.22	23090.	80.43	5.440	1.186
#2	2690.	61.35	23150.	81.96	3.056	1.369
#3	2729.	61.85	23200.	81.28	4.335	-.5519

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-G-2-A Acquired: 4/6/2016 2:10:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.51	.2523	2.079	2.363	27.77	.3404
Stddev	1.66	.2278	.416	.308	.31	.0337
%RSD	8.949	90.31	20.00	13.05	1.122	9.893
#1	19.03	.4414	2.492	2.062	27.41	.3697
#2	16.66	.3161	2.086	2.678	27.98	.3036
#3	19.85	-.0007	1.660	2.348	27.92	.3477

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8989	75.01	7.773	4634.
Stddev	.4633	.34	.190	36.
%RSD	51.54	.4480	2.446	.7673
#1	-1.427	74.65	7.554	4595.
#2	-.7073	75.08	7.875	4643.
#3	-.5621	75.31	7.891	4665.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3195.3	36366.	5418.5
Stddev	8.2	160.	45.9
%RSD	.25603	.44059	.84750
#1	3186.4	36182.	5370.7
#2	3202.5	36469.	5462.3
#3	3197.0	36448.	5422.3

Sample Name: 460-111160-A-20-A@4 Acquired: 4/5/2016 23:18:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72940.	77.03	6.457	318.0	3.996	8378.
Stddev	239.	2.14	.527	.3	.036	37.
%RSD	.3269	2.779	8.168	.0960	.9141	.4451

#1	72930.	77.51	6.050	318.3	4.038	8352.
#2	72710.	74.69	6.269	317.7	3.968	8362.
#3	73190.	78.89	7.053	317.9	3.983	8421.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.857	51.92	212.6	121.0	157800.	10190.
Stddev	.173	.46	1.1	.4	785.	122.
%RSD	9.343	.8822	.4995	.3234	.4977	1.195

#1	1.956	52.24	211.5	120.9	156900.	10140.
#2	1.958	52.14	212.9	120.7	157800.	10100.
#3	1.657	51.40	213.6	121.4	158500.	10330.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20600.	4355.	3024.	115.1	4501.	20.62
Stddev	66.	12.	10.	.4	10.	1.02
%RSD	.3217	.2824	.3181	.3872	.2310	4.953

#1	20530.	4346.	3018.	114.6	4505.	20.72
#2	20590.	4349.	3019.	115.2	4509.	19.55
#3	20660.	4369.	3035.	115.5	4489.	21.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111160-A-20-A@4 Acquired: 4/5/2016 23:18:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.94	-2.299	170.3	1589.	24.80	3.050
Stddev	1.75	.768	.8	4.	.23	.117
%RSD	16.03	33.41	.4570	.2207	.9446	3.843
#1	12.94	-1.791	169.5	1585.	25.06	2.972
#2	10.20	-3.182	171.0	1591.	24.61	2.993
#3	9.673	-1.923	170.3	1592.	24.73	3.185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	23.43	101.8	2418.	895.9
Stddev	.75	.5	9.	25.7
%RSD	3.221	.5285	.3847	2.871
#1	24.28	102.1	2407.	914.3
#2	23.18	101.2	2422.	907.0
#3	22.83	102.2	2425.	866.5

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	3486.8	39717.	6052.2
Stddev	7.0	77.	8.5
%RSD	.20069	.19261	.13990
#1	3486.2	39804.	6060.6
#2	3480.1	39690.	6052.3
#3	3494.0	39658.	6043.7

Sample Name: CCV Acquired: 4/6/2016 2:33:44 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	2309.	1200.	9384.	968.3	121000.
Stddev	239.	10.	.	20.	4.3	319.
%RSD	.1931	.4163	.0278	.2149	.4427	.2635

#1	123400.	2320.	1200.	9362.	966.5	120700.
#2	123500.	2307.	1200.	9401.	965.2	121300.
#3	123900.	2301.	1200.	9390.	973.2	121100.

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	1180.	2378.	4719.	11610.	98110.	48660.
Stddev	2.	4.	18.	11.	188.	59.
%RSD	.1888	.1595	.3787	.0925	.1913	.1212

#1	1177.	2374.	4699.	11600.	98080.	48690.
#2	1182.	2382.	4730.	11610.	98320.	48590.
#3	1180.	2378.	4729.	11620.	97940.	48700.

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	117700.	4904.	125600.	2329.	6957.	922.0
Stddev	292.	10.	85.	5.	27.	6.7
%RSD	.2477	.2050	.0675	.1974	.3868	.7232

#1	117400.	4895.	125600.	2324.	6926.	922.3
#2	118000.	4915.	125500.	2332.	6967.	928.6
#3	117900.	4902.	125700.	2331.	6977.	915.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/6/2016 2:33:44 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2273.	2442.	2380.	2454.	905.9	2341.
Stddev	10.	27.	3.	6.	1.9	2.
%RSD	.4199	1.106	.1382	.2250	.2115	.0774

#1	2284.	2466.	2376.	2448.	904.4	2340.
#2	2266.	2413.	2381.	2456.	908.1	2341.
#3	2270.	2447.	2383.	2458.	905.3	2343.

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	938.8	4901.	9770.	8640.
Stddev	2.9	11.	61.	28.
%RSD	.3092	.2339	.6293	.3221

#1	937.4	4914.	9726.	8662.
#2	936.9	4892.	9840.	8649.
#3	942.1	4898.	9743.	8608.

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	2939.7	33597.	5095.4
Stddev	14.9	195.	64.8
%RSD	.50568	.58086	1.2714

#1	2955.4	33819.	5151.5
#2	2937.8	33453.	5110.3
#3	2925.8	33518.	5024.5

Sample Name: 460-109980-G-5-A Acquired: 4/6/2016 2:22:00 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	912.9	1.785	.2796	166.1	.2410	9167.
Stddev	3.9	.731	.2130	.3	.0495	45.
%RSD	.4287	40.93	76.19	.1772	20.54	.4938
#1	909.1	2.621	.1647	166.3	.1860	9121.
#2	912.7	1.271	.1487	166.3	.2819	9169.
#3	916.9	1.462	.5254	165.8	.2553	9212.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4080	2.935	44.38	3.571	1725.	2535.
Stddev	.1037	.257	.56	.164	14.	10.
%RSD	25.42	8.770	1.268	4.597	.7839	.3953
#1	.3285	3.058	44.27	3.637	1712.	2533.
#2	.3702	3.107	44.98	3.691	1739.	2526.
#3	.5253	2.639	43.87	3.384	1724.	2546.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2576.	671.1	44620.	19.37	4.693	.0160
Stddev	13.	2.1	336.	.15	.326	1.170
%RSD	.5194	.3107	.7532	.7905	6.943	7295.
#1	2564.	668.7	45000.	19.28	4.926	1.361
#2	2590.	672.0	44350.	19.55	4.832	-.7704
#3	2574.	672.5	44520.	19.29	4.321	-.5424

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-109980-G-5-A Acquired: 4/6/2016 2:22:00 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.70	2.078	2.056	6.497	18.02	.0095
Stddev	.66	.430	.246	.050	.44	.0802
%RSD	1.802	20.69	11.95	.7707	2.426	844.2
#1	36.19	2.236	2.007	6.474	17.76	-.0034
#2	36.47	1.592	1.839	6.554	17.77	-.0635
#3	37.45	2.407	2.323	6.462	18.52	.0954

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5860	64.67	21.04	3934.
Stddev	.8323	.42	.23	56.
%RSD	142.0	.6521	1.093	1.423
#1	-.2884	64.83	20.80	3974.
#2	-1.526	64.20	21.06	3957.
#3	.0566	65.00	21.26	3870.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3226.0	36584.	5475.5
Stddev	14.5	219.	71.8
%RSD	.44795	.59974	1.3121
#1	3222.2	36827.	5533.6
#2	3213.8	36522.	5497.7
#3	3242.0	36402.	5395.2

Sample Name: 460-109980-G-6-A Acquired: 4/6/2016 2:25:54 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	263.7	2.243	.4616	95.71	.2925	31120.
Stddev	9.0	1.298	.2161	.20	.0207	66.
%RSD	3.417	57.84	46.81	.2106	7.068	.2122
#1	254.3	2.757	.3969	95.80	.3030	31040.
#2	272.3	.7676	.7026	95.85	.2686	31150.
#3	264.5	3.205	.2852	95.48	.3057	31160.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5784	.6218	4.369	2.905	149.7	4686.
Stddev	.0226	.2701	.206	.260	11.1	10.
%RSD	3.916	43.43	4.713	8.948	7.395	.2170
#1	.5545	.8387	4.146	2.817	162.0	4678.
#2	.5996	.7074	4.552	2.701	146.7	4682.
#3	.5810	.3193	4.411	3.198	140.5	4697.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5104.	221.3	26380.	10.29	5.955	-.8527
Stddev	17.	.5	93.	.36	.968	.7401
%RSD	.3240	.2066	.3512	3.479	16.25	86.79
#1	5088.	220.8	26480.	10.70	5.176	-1.383
#2	5103.	221.5	26360.	10.12	5.651	-1.168
#3	5121.	221.6	26300.	10.05	7.038	-.0072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-G-6-A Acquired: 4/6/2016 2:25:54 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.61	.8807	.1124	14.23	35.56	-.0206
Stddev	2.04	1.348	.1894	.27	.22	.1360
%RSD	9.437	153.1	168.5	1.912	.6222	660.9
#1	23.38	-.0823	.2767	14.19	35.47	-.0598
#2	19.38	.3032	-.0948	14.52	35.81	-.1327
#3	22.07	2.421	.1552	13.98	35.39	.1308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6151	128.9	4.215	5959.
Stddev	.3977	.4	.134	26.
%RSD	64.65	.3263	3.184	.4388
#1	-.2668	128.4	4.064	5947.
#2	-1.048	129.2	4.262	5941.
#3	-.5302	129.0	4.320	5989.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3262.4	37057.	5545.5
Stddev	8.0	22.	28.7
%RSD	.24456	.05954	.51839
#1	3258.9	37031.	5548.7
#2	3256.9	37066.	5515.3
#3	3271.6	37073.	5572.5

Sample Name: 460-109980-G-8-A Acquired: 4/6/2016 2:45:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	358.4	1.722	.4677	35.34	.0717	7589.
Stddev	8.9	1.008	.3468	.32	.0278	55.
%RSD	2.480	58.55	74.15	.9073	38.84	.7207
#1	348.7	2.010	.1188	35.66	.0768	7637.
#2	360.3	.6011	.4719	35.02	.0965	7601.
#3	366.2	2.555	.8124	35.33	.0416	7529.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0358	2.092	251.4	5.823	2266.	2298.
Stddev	.0875	.060	2.0	.179	19.	60.
%RSD	244.1	2.862	.8036	3.073	.8476	2.616
#1	-.0342	2.155	252.7	5.863	2288.	2361.
#2	.0078	2.036	252.4	5.979	2261.	2290.
#3	.1339	2.087	249.1	5.628	2251.	2242.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3416.	133.7	26170.	26.68	4.878	-1.170
Stddev	37.	1.6	237.	.47	.971	.973
%RSD	1.071	1.219	.9057	1.776	19.89	83.19
#1	3444.	135.0	26420.	27.12	4.461	-.4143
#2	3430.	134.3	26150.	26.74	4.186	-.8267
#3	3375.	131.9	25950.	26.17	5.988	-2.268

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-G-8-A Acquired: 4/6/2016 2:45:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.53	3.745	1.698	7.697	19.69	.8654
Stddev	.36	1.000	.401	.044	.49	.2699
%RSD	1.656	26.71	23.59	.5785	2.499	31.18
#1	21.13	3.107	2.101	7.680	20.26	1.127
#2	21.62	3.231	1.695	7.748	19.39	.8817
#3	21.82	4.898	1.299	7.664	19.42	.5877

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5013	79.23	16.68	4475.
Stddev	.2034	.85	.24	30.
%RSD	40.57	1.079	1.465	.6593
#1	-.7328	80.16	16.63	4507.
#2	-.3516	79.05	16.95	4449.
#3	-.4195	78.48	16.47	4468.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	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	35898.	5290.8
Stddev	27.8	150.	42.9
%RSD	.86814	.41885	.81101
#1	3167.5	35990.	5288.9
#2	3203.2	35724.	5248.9
#3	3222.1	35979.	5334.6

Sample Name: 460-111160-C-26-B@4 Acquired: 4/5/2016 23:27:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85960.	30.49	3.736	318.2	4.831	10650.
Stddev	633.	1.68	.183	1.6	.041	45.
%RSD	.7360	5.496	4.904	.5093	.8425	.4241

#1	86670.	28.57	3.763	316.7	4.787	10660.
#2	85770.	31.19	3.540	318.0	4.838	10700.
#3	85450.	31.69	3.904	319.9	4.867	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	.0375	46.69	227.9	57.86	119000.	12760.
Stddev	.1477	.30	2.1	.63	191.	58.
%RSD	393.7	.6355	.9230	1.090	.1605	.4578

#1	-.1326	46.39	226.0	58.13	118900.	12790.
#2	.1121	46.68	227.7	58.32	119200.	12690.
#3	.1331	46.99	230.2	57.14	118900.	12780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26660.	1559.	4825.	120.1	88.53	.4910
Stddev	62.	9.	52.	1.0	.64	.8091
%RSD	.2343	.5475	1.074	.8724	.7233	164.8

#1	26590.	1564.	4883.	119.0	88.22	1.095
#2	26710.	1563.	4811.	120.4	88.11	-4.282
#3	26680.	1549.	4782.	121.0	89.27	.8061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111160-C-26-B@4 Acquired: 4/5/2016 23:27:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.997	-1.835	195.0	516.4	43.32	1.482
Stddev	3.316	.665	1.0	1.9	.22	.088
%RSD	36.85	36.24	.5265	.3766	.5172	5.926
#1	8.266	-1.868	194.0	515.3	43.06	1.570
#2	6.108	-2.482	195.0	515.3	43.40	1.481
#3	12.62	-1.154	196.0	518.7	43.49	1.395

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	20.98	100.3	3026.	959.1
Stddev	.62	.4	6.	13.8
%RSD	2.959	.3830	.2034	1.434
#1	20.47	100.7	3019.	951.1
#2	20.80	100.2	3029.	951.4
#3	21.67	99.92	3030.	975.0

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	3501.4	40213.	6087.9
Stddev	8.7	238.	66.5
%RSD	.24956	.59275	1.0931
#1	3501.4	40183.	6053.1
#2	3510.1	39991.	6046.0
#3	3492.7	40465.	6164.6

Sample Name: 460-110936-C-1-B@4 Acquired: 4/5/2016 23:35:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52240.	67.48	4.218	233.3	3.093	6104.
Stddev	111.	2.02	.396	.9	.080	23.
%RSD	.2116	2.991	9.397	.3778	2.600	.3693
#1	52290.	68.78	3.761	232.5	3.009	6082.
#2	52320.	65.15	4.421	233.3	3.169	6105.
#3	52110.	68.50	4.472	234.2	3.102	6127.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8657	44.10	207.7	128.3	98000.	7432.
Stddev	.0336	.29	.3	.3	314.	29.
%RSD	3.879	.6555	.1344	.2449	.3209	.3860
#1	.8952	44.07	208.0	127.9	97820.	7399.
#2	.8727	43.82	207.6	128.5	97810.	7446.
#3	.8292	44.40	207.4	128.4	98360.	7451.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14560.	2041.	347.9	69.69	252.8	.7488
Stddev	28.	6.	5.0	.62	1.1	.9100
%RSD	.1950	.2727	1.441	.8962	.4244	121.5
#1	14530.	2036.	350.1	70.40	251.6	.4813
#2	14590.	2040.	342.1	69.22	253.6	.0025
#3	14560.	2047.	351.4	69.44	253.3	1.763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110936-C-1-B@4 Acquired: 4/5/2016 23:35:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.048	-1.611	151.3	624.9	16.04	2.371
Stddev	2.348	.9438	1.1	3.2	.29	.083
%RSD	33.32	585.9	.7271	.5102	1.796	3.511
#1	8.827	.4015	150.6	621.4	16.37	2.277
#2	7.931	.3659	150.7	625.7	15.94	2.436
#3	4.387	-1.251	152.6	627.6	15.82	2.400

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.28	49.89	1953.	790.8
Stddev	.51	.07	4.	10.9
%RSD	2.937	.1344	.2141	1.382
#1	16.70	49.86	1950.	778.2
#2	17.63	49.84	1952.	797.8
#3	17.51	49.97	1958.	796.3

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	3369.7	38788.	5769.5
Stddev	9.8	185.	32.0
%RSD	.29004	.47786	.55511
#1	3360.0	38575.	5767.5
#2	3369.6	38916.	5738.5
#3	3379.5	38872.	5802.5

Sample Name: 460-110936-D-21-B@4 Acquired: 4/5/2016 23:47:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58690.	30.85	3.874	244.3	1.947	7443.
Stddev	87.	1.84	.639	.3	.010	19.
%RSD	.1481	5.961	16.51	.1224	.4930	.2557

#1	58780.	31.53	3.953	244.5	1.954	7462.
#2	58610.	32.25	4.470	243.9	1.936	7445.
#3	58690.	28.77	3.198	244.3	1.950	7424.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1075	22.16	158.8	54.94	112100.	8704.
Stddev	.1323	.11	1.2	.32	84.	12.
%RSD	123.1	.4886	.7857	.5778	.0749	.1332

#1	-.2357	22.27	160.0	54.96	112200.	8693.
#2	.0285	22.16	158.9	55.24	112100.	8701.
#3	-.1151	22.05	157.5	54.61	112100.	8716.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16030.	2053.	2355.	61.61	96.57	-1.157
Stddev	74.	8.	4.	.68	1.25	.900
%RSD	.4590	.3925	.1536	1.099	1.290	77.81

#1	16110.	2061.	2353.	62.21	97.48	-.6028
#2	16010.	2054.	2359.	60.87	95.15	-2.195
#3	15960.	2045.	2353.	61.73	97.09	-.6721

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110936-D-21-B@4 Acquired: 4/5/2016 23:47:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.977	-3.155	149.4	471.3	23.45	2.391
Stddev	2.842	1.081	.6	.9	.32	.231
%RSD	40.73	34.26	.3729	.1916	1.345	9.671
#1	10.26	-3.588	149.9	472.1	23.75	2.125
#2	5.353	-3.953	148.8	470.3	23.48	2.504
#3	5.320	-1.925	149.5	471.5	23.12	2.544

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.890	88.70	2437.	802.4
Stddev	.184	.04	1.	20.4
%RSD	2.073	.0421	.0384	2.545
#1	8.690	88.74	2436.	788.0
#2	9.052	88.69	2437.	793.4
#3	8.928	88.66	2437.	825.8

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	3386.6	38161.	5828.9
Stddev	18.5	282.	45.2
%RSD	.54704	.73848	.77628
#1	3367.6	37838.	5794.3
#2	3404.6	38355.	5880.1
#3	3387.7	38290.	5812.4

Sample Name: 460-110936-D-22-E@4 Acquired: 4/5/2016 23:52:08 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48190.	23.33	2.921	179.8	2.309	7272.
Stddev	92.	3.94	.405	.2	.145	34.
%RSD	.1908	16.88	13.85	.1379	6.273	.4659

#1	48240.	22.77	3.049	179.7	2.400	7235.
#2	48240.	19.70	3.246	180.0	2.142	7281.
#3	48080.	27.52	2.468	179.5	2.386	7301.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7485	26.95	127.4	35.80	92700.	6927.
Stddev	.1306	.20	1.3	.57	358.	31.
%RSD	17.45	.7249	1.053	1.590	.3860	.4514

#1	.8727	27.14	125.8	36.33	92310.	6892.
#2	.6123	26.97	127.9	35.87	93010.	6939.
#3	.7606	26.75	128.4	35.20	92770.	6951.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15520.	1218.	2628.	60.99	54.66	-.7496
Stddev	46.	2.	8.	.25	1.77	1.676
%RSD	.2935	.1733	.3095	.4105	3.232	223.6

#1	15490.	1216.	2637.	60.71	52.94	.9984
#2	15500.	1218.	2622.	61.20	56.47	-.9046
#3	15580.	1220.	2624.	61.04	54.56	-2.343

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110936-D-22-E@4 Acquired: 4/5/2016 23:52:08 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.338	-.5689	107.2	556.5	18.60	.9907
Stddev	2.361	1.777	.4	.8	.46	.1105
%RSD	101.0	312.3	.3721	.1492	2.498	11.16
#1	1.934	-2.102	106.7	555.9	18.39	1.062
#2	4.874	-.9836	107.4	557.5	18.27	1.047
#3	.2048	1.379	107.5	556.2	19.13	.8634

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.472	63.51	1967.	718.0
Stddev	1.052	.33	3.	7.3
%RSD	14.07	.5254	.1594	1.015
#1	6.418	63.76	1963.	726.2
#2	7.477	63.63	1969.	715.4
#3	8.521	63.13	1968.	712.3

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	3410.4	38860.	5859.6
Stddev	8.4	70.	30.9
%RSD	.24563	.17929	.52764
#1	3402.0	38917.	5895.3
#2	3410.4	38783.	5841.0
#3	3418.8	38882.	5842.5

Sample Name: CCB Acquired: 4/6/2016 0:04:42 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.935	.4797	.3870	.0238	-.0280	18.89
Stddev	9.372	1.059	.3666	.0101	.0817	5.70
%RSD	118.1	220.7	94.72	42.35	291.7	30.18
#1	2.124	.9954	.7511	.0123	-.0468	14.78
#2	18.75	1.182	.3919	.0279	.0614	16.50
#3	2.932	-.7380	.0180	.0312	-.0986	25.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1208	.0624	-.1262	2.739	-4.768	-6.571
Stddev	.1059	.1301	.4341	.264	2.607	12.63
%RSD	87.61	208.6	343.9	9.637	54.69	192.2
#1	.1948	-.0789	.0806	2.915	-1.804	4.938
#2	-.0004	.0888	-.6251	2.436	-6.709	-4.567
#3	.1682	.1773	.1658	2.867	-5.790	-20.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.515	-.0085	-36.64	.2630	.0496	-.4938
Stddev	2.046	.0552	6.31	.0535	.8035	1.605
%RSD	135.1	646.6	17.22	20.33	1620.	324.9
#1	.7192	-.0709	-31.23	.2025	-.4848	-2.311
#2	-1.967	.0115	-35.12	.3039	-.3400	.0996
#3	-3.297	.0338	-43.57	.2826	.9736	.7296

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/6/2016 0:04:42 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.705	.6349	-.2594	.2065	-4.397	.0050
Stddev	3.287	.3987	.2634	.1233	.387	.0760
%RSD	88.73	62.80	101.5	59.71	8.788	1529.
#1	-6.746	.1895	-.5143	.1973	-4.782	-.0790
#2	-4.152	.9587	.0117	.3341	-4.401	.0691
#3	-.2169	.7566	-.2756	.0880	-4.009	.0249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9536	-.1263	.1475	.9599
Stddev	.3698	.0533	.0435	12.34
%RSD	38.79	42.23	29.49	1285.
#1	-1.201	-.1214	.1862	5.216
#2	-1.132	-.0755	.1560	-12.94
#3	-.5284	-.1818	.1004	10.60

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	3439.2	39476.	5733.5
Stddev	171.0	1817.	282.7
%RSD	4.9722	4.6014	4.9311
#1	3555.6	40574.	5866.1
#2	3519.1	40474.	5925.5
#3	3242.8	37379.	5408.9

Sample Name: CCVL Acquired: 4/6/2016 0:08:47 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	232.9	14.31	9.639	193.3	2.123	4735.
Stddev	4.1	.81	.156	.6	.045	17.
%RSD	1.765	5.679	1.617	.2859	2.118	.3535

#1	229.9	15.24	9.472	193.4	2.128	4728.
#2	237.6	13.82	9.664	192.7	2.075	4723.
#3	231.2	13.86	9.780	193.8	2.165	4754.

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	4.202	50.43	10.23	26.09	183.4	4665.
Stddev	.120	.14	.55	.29	8.3	16.
%RSD	2.846	.2725	5.399	1.094	4.504	.3499

#1	4.169	50.52	9.635	26.21	174.1	4647.
#2	4.334	50.48	10.72	26.30	190.0	4679.
#3	4.102	50.27	10.34	25.77	185.9	4670.

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	4569.	16.10	4902.	40.10	11.99	16.23
Stddev	21.	.12	24.	.32	.55	1.34
%RSD	.4511	.7693	.4943	.7926	4.593	8.278

#1	4546.	16.00	4912.	39.85	12.45	17.63
#2	4574.	16.24	4919.	39.99	11.38	14.95
#3	4586.	16.07	4874.	40.46	12.14	16.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 0:08:47 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.06	22.84	47.53	31.08	40.88	18.68
Stddev	2.03	2.00	.30	.20	.53	.10
%RSD	10.12	8.755	.6256	.6480	1.295	.5133

#1	17.79	22.18	47.67	31.16	41.25	18.77
#2	21.69	25.09	47.19	30.85	41.12	18.67
#3	20.70	21.26	47.74	31.22	40.28	18.58

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	46.41	20.36	20.79	F 6.607
Stddev	.15	.14	.06	13.41
%RSD	.3242	.6779	.2846	202.9

#1	46.24	20.38	20.74	-6.912
#2	46.53	20.48	20.77	19.90
#3	46.46	20.21	20.85	6.834

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	3220.8	37258.	5394.7
Stddev	12.3	46.	43.0
%RSD	.38098	.12274	.79715

#1	3225.0	37306.	5354.5
#2	3230.4	37254.	5389.5
#3	3207.0	37215.	5440.0

Sample Name: 460-110936-D-29-E@4 Acquired: 4/6/2016 0:12:48 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31980.	14.37	1.840	131.0	1.742	1891.
Stddev	461.	1.22	.390	.7	.160	32.
%RSD	1.443	8.469	21.22	.5639	9.201	1.682

#1	31490.	15.39	1.930	130.2	1.924	1856.
#2	32030.	13.03	2.177	131.0	1.621	1898.
#3	32410.	14.70	1.412	131.7	1.680	1918.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4422	24.19	64.09	27.82	50620.	2619.
Stddev	.0705	.21	.80	.50	664.	41.
%RSD	15.94	.8813	1.256	1.805	1.311	1.584

#1	.3900	23.97	63.16	27.26	49980.	2571.
#2	.4142	24.40	64.60	28.23	50580.	2647.
#3	.5224	24.21	64.50	27.98	51300.	2638.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5145.	1142.	78.00	37.75	66.08	-.4474
Stddev	84.	15.	4.88	.33	.40	1.499
%RSD	1.626	1.348	6.263	.8658	.6015	335.1

#1	5051.	1126.	72.95	37.38	65.93	-1.614
#2	5170.	1144.	78.34	37.97	65.77	1.244
#3	5213.	1157.	82.70	37.91	66.53	-.9713

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110936-D-29-E@4 Acquired: 4/6/2016 0:12:48 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5877	.7940	74.44	191.3	1.942	1.123
Stddev	3.829	3.022	.73	2.0	.346	.146
%RSD	651.5	380.6	.9852	1.021	17.83	13.04
#1	.1899	4.233	73.60	189.1	1.553	1.281
#2	-4.746	-1.438	74.77	192.0	2.057	1.096
#3	2.793	-.4128	74.96	192.9	2.217	.9918

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.310	20.06	960.2	691.4
Stddev	1.140	.28	12.6	7.1
%RSD	18.06	1.420	1.309	1.028
#1	7.184	19.75	948.2	683.2
#2	6.725	20.11	959.0	695.7
#3	5.022	20.32	973.3	695.3

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	3365.7	38473.	5693.1
Stddev	29.2	220.	50.8
%RSD	.86619	.57219	.89193
#1	3335.1	38227.	5635.6
#2	3369.0	38540.	5731.7
#3	3393.1	38652.	5711.9

Sample Name: CCB Acquired: 4/6/2016 2:56:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.50	1.395	.4320	.2287	.0024	11.38
Stddev	11.95	.211	.2064	.1004	.0573	3.29
%RSD	50.86	15.12	47.77	43.90	2344.	28.91
#1	14.86	1.602	.5157	.2988	.0334	14.56
#2	18.50	1.181	.5834	.2736	.0377	7.988
#3	37.14	1.402	.1969	.1137	-.0637	11.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0125	.2669	.1845	3.028	-1.107	2.498
Stddev	.0535	.1760	.4459	.539	1.766	17.44
%RSD	429.6	65.93	241.7	17.78	159.5	698.3
#1	.0495	.2106	.4630	3.650	-1.540	-16.20
#2	.0367	.4641	-.3298	2.721	.8349	5.353
#3	-.0489	.1260	.4202	2.714	-2.617	18.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.545	.1192	12.07	.4216	.4769	-.7511
Stddev	1.190	.0516	.26	.3701	.9071	.6744
%RSD	77.03	43.24	2.156	87.80	190.2	89.79
#1	1.851	.1531	11.83	.5268	.5447	-.0451
#2	2.552	.1448	12.04	.0102	-.4622	-.8193
#3	.2318	.0599	12.35	.7278	1.348	-1.389

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/6/2016 2:56:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.629	.5319	-.0123	.2720	-2.182	.7924
Stddev	4.430	.5367	.3977	.2058	.462	.3629
%RSD	272.0	100.9	3228.	75.66	21.18	45.80
#1	-2.507	.0285	-.4615	.4254	-1.782	1.210
#2	-5.554	.4707	.1295	.3525	-2.075	.6083
#3	3.174	1.097	.2951	.0381	-2.688	.5584

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8348	.0055	.5173	-3.559
Stddev	.4906	.0818	.1934	7.103
%RSD	58.77	1475.	37.39	199.6
#1	-.2819	-.0495	.7020	-10.59
#2	-1.004	.0996	.5338	-3.696
#3	-1.218	-.0334	.3162	3.611

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	3260.4	37232.	5427.4
Stddev	13.6	131.	12.9
%RSD	.41646	.35086	.23684
#1	3256.0	37100.	5413.5
#2	3249.6	37361.	5430.1
#3	3275.6	37235.	5438.7

Sample Name: 460-110936-D-37-D@4 Acquired: 4/6/2016 0:16:45 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58270.	19.71	2.568	140.5	1.750	3981.
Stddev	749.	1.37	.337	2.0	.048	49.
%RSD	1.285	6.937	13.11	1.438	2.736	1.243

#1	57450.	18.61	2.335	138.4	1.776	3950.
#2	58420.	21.24	2.415	140.7	1.780	3954.
#3	58930.	19.28	2.954	142.4	1.695	4038.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0395	23.34	83.27	33.87	77220.	4254.
Stddev	.2287	.40	1.16	.67	710.	60.
%RSD	578.7	1.700	1.387	1.984	.9191	1.400

#1	-.2777	22.97	82.30	33.11	76650.	4186.
#2	-.0190	23.30	82.97	34.11	77010.	4281.
#3	.1782	23.76	84.55	34.39	78020.	4296.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6610.	713.8	246.4	39.23	65.35	1.069
Stddev	95.	7.5	10.2	.69	.95	.426
%RSD	1.441	1.050	4.147	1.756	1.455	39.88

#1	6513.	707.3	244.0	38.66	66.31	.6295
#2	6613.	712.2	237.6	39.04	64.41	1.481
#3	6703.	722.0	257.7	39.99	65.32	1.097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110936-D-37-D@4 Acquired: 4/6/2016 0:16:45 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4873	-2.345	132.2	144.4	2.977	3.426
Stddev	1.735	1.433	1.9	1.6	.302	.176
%RSD	356.1	61.10	1.474	1.109	10.15	5.148
#1	1.387	-8594	130.3	143.2	3.326	3.395
#2	-.8104	-3.718	132.1	143.7	2.790	3.616
#3	-2.038	-2.457	134.2	146.2	2.816	3.267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.471	41.58	1923.	850.7
Stddev	.600	.55	21.	29.6
%RSD	9.278	1.332	1.067	3.478
#1	6.548	40.97	1903.	825.9
#2	5.836	41.73	1921.	842.7
#3	7.030	42.04	1944.	883.5

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	3330.3	37893.	5675.9
Stddev	20.5	407.	93.4
%RSD	.61666	1.0730	1.6453
#1	3312.5	37429.	5579.6
#2	3352.8	38187.	5682.1
#3	3325.5	38062.	5766.0

Sample Name: 460-110936-D-46-D@4 Acquired: 4/6/2016 0:28:41 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63040.	116.0	4.621	355.7	2.455	2967.
Stddev	153.	1.1	.228	.5	.045	16.
%RSD	.2429	.9445	4.928	.1395	1.836	.5396
#1	62870.	115.5	4.786	355.6	2.506	2977.
#2	63130.	115.2	4.361	355.3	2.423	2949.
#3	63140.	117.3	4.716	356.3	2.435	2976.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1022	23.86	252.8	175.9	98720.	7870.
Stddev	.0773	.07	.9	.2	255.	53.
%RSD	75.63	.2828	.3489	.0980	.2581	.6689
#1	.0653	23.79	253.5	175.8	98750.	7810.
#2	.1910	23.92	251.8	175.8	98450.	7911.
#3	.0502	23.87	253.2	176.1	98960.	7888.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13850.	700.5	1719.	61.85	495.8	.6652
Stddev	23.	.4	20.	.32	1.7	2.856
%RSD	.1691	.0581	1.160	.5208	.3349	429.4
#1	13880.	700.8	1696.	61.49	497.0	.0996
#2	13840.	700.1	1729.	61.95	493.9	3.762
#3	13840.	700.8	1733.	62.12	496.5	-1.866

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110936-D-46-D@4 Acquired: 4/6/2016 0:28:41 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.184	-.4955	161.0	471.3	19.10	3.052
Stddev	1.158	.5831	1.2	1.3	.35	.151
%RSD	18.73	117.7	.7574	.2851	1.843	4.952
#1	5.818	-.4138	159.8	472.8	19.15	3.218
#2	7.481	-1.115	161.0	470.4	18.73	3.017
#3	5.253	.0425	162.3	470.6	19.43	2.922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	24.29	40.13	1846.	945.3
Stddev	.30	.24	2.	18.6
%RSD	1.224	.5879	.1311	1.966
#1	24.02	39.86	1845.	923.9
#2	24.61	40.24	1844.	954.4
#3	24.24	40.28	1849.	957.5

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	3472.3	39349.	5932.7
Stddev	10.3	266.	97.9
%RSD	.29670	.67536	1.6500
#1	3461.5	39043.	5819.6
#2	3482.0	39516.	5988.8
#3	3473.5	39489.	5989.6

Sample Name: 460-110936-C-55-C@4 Acquired: 4/6/2016 0:32:34 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74460.	31.35	3.431	254.4	3.613	7358.
Stddev	602.	1.73	.275	.3	.022	48.
%RSD	.8084	5.513	8.024	.1293	.6089	.6494

#1	74060.	30.36	3.742	254.3	3.601	7304.
#2	74160.	30.33	3.219	254.8	3.638	7375.
#3	75150.	33.34	3.332	254.1	3.599	7394.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2997	38.30	179.1	53.39	102900.	9714.
Stddev	.1494	.14	2.3	.42	545.	43.
%RSD	49.84	.3707	1.292	.7821	.5294	.4468

#1	-.1282	38.28	176.9	53.24	102300.	9674.
#2	-.4016	38.45	178.9	53.08	103000.	9707.
#3	-.3693	38.17	181.5	53.87	103400.	9760.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20640.	1392.	3662.	85.67	84.15	-.9767
Stddev	147.	6.	20.	.42	.99	.6536
%RSD	.7099	.4021	.5344	.4860	1.171	66.92

#1	20470.	1385.	3661.	85.29	83.23	-.5760
#2	20720.	1395.	3644.	86.11	84.04	-.6231
#3	20740.	1395.	3683.	85.60	85.19	-1.731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110936-C-55-C@4 Acquired: 4/6/2016 0:32:34 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.826	-.7297	166.1	305.8	25.75	1.971
Stddev	1.969	2.423	1.2	1.7	.26	.261
%RSD	25.16	332.1	.7182	.5713	.9996	13.22
#1	6.478	-.1078	165.0	304.0	26.03	1.797
#2	10.09	1.322	165.8	307.5	25.70	1.846
#3	6.915	-3.403	167.4	305.9	25.53	2.271

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.772	84.76	2376.	945.0
Stddev	.973	.20	6.	14.7
%RSD	9.961	.2376	.2442	1.558
#1	10.58	84.78	2370.	933.2
#2	10.05	84.95	2379.	961.5
#3	8.690	84.55	2380.	940.2

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	3443.2	38736.	5865.0
Stddev	6.4	182.	84.2
%RSD	.18720	.47052	1.4352
#1	3449.0	38829.	5888.0
#2	3436.3	38854.	5935.3
#3	3444.3	38526.	5771.7

Sample Name: LCS 460-360214/2-A Acquired: 4/6/2016 0:40:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1896.	1696.	44.57	1781.	45.94	17970.
Stddev	12.	3.	.37	6.	.12	144.
%RSD	.6400	.1672	.8306	.3415	.2617	.8010
#1	1883.	1699.	44.21	1777.	45.80	17810.
#2	1896.	1696.	44.56	1778.	46.02	18000.
#3	1907.	1694.	44.95	1788.	46.00	18090.

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	45.59	462.7	182.4	215.6	865.3	16760.
Stddev	.16	1.4	.4	.9	8.1	64.
%RSD	.3443	.2959	.2418	.4051	.9376	.3803
#1	45.46	461.7	182.6	215.5	862.5	16690.
#2	45.55	462.3	182.7	216.5	858.9	16800.
#3	45.77	464.3	181.9	214.8	874.4	16800.

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.	472.8	18730.	460.7	454.0	427.1
Stddev	78.	3.4	133.	1.0	1.2	2.7
%RSD	.4538	.7138	.7105	.2187	.2705	.6413
#1	17160.	469.3	18570.	459.8	454.7	424.8
#2	17230.	472.9	18800.	460.4	452.6	426.4
#3	17320.	476.1	18800.	461.8	454.8	430.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-360214/2-A Acquired: 4/6/2016 0:40:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1648.	1953.	455.1	477.9	428.1	442.9
Stddev	6.	9.	2.4	3.3	1.9	2.1
%RSD	.3659	.4644	.5220	.6991	.4474	.4794
#1	1654.	1943.	452.6	474.2	427.3	440.9
#2	1642.	1957.	455.1	478.7	426.7	442.7
#3	1648.	1960.	457.4	480.8	430.3	445.1

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	454.2	462.4	468.8	41.68
Stddev	2.4	2.1	2.4	16.50
%RSD	.5356	.4445	.5150	39.60
#1	452.0	460.1	466.4	24.98
#2	453.9	463.5	468.6	42.08
#3	456.8	463.8	471.3	57.98

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	3249.6	36938.	5581.2
Stddev	21.6	357.	90.2
%RSD	.66322	.96597	1.6162
#1	3272.3	37338.	5685.3
#2	3247.0	36824.	5524.8
#3	3229.4	36652.	5533.7

Sample Name: 460-111359-B-4-A DU Acquired: 4/6/2016 0:44:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3440.	3.821	.3892	38.89	.2098	31820.
Stddev	19.	.144	.4920	.10	.0468	53.
%RSD	.5383	3.764	126.4	.2618	22.29	.1674
#1	3433.	3.656	-.1197	38.79	.2213	31850.
#2	3426.	3.910	.4252	38.89	.1584	31760.
#3	3461.	3.899	.8623	39.00	.2498	31860.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1577	2.053	9.163	9.477	5317.	18720.
Stddev	.0506	.064	.635	.142	5.	26.
%RSD	32.10	3.096	6.934	1.500	.0999	.1370
#1	.1581	2.102	8.773	9.607	5323.	18740.
#2	.2080	2.074	9.896	9.498	5313.	18690.
#3	.1068	1.981	8.819	9.325	5316.	18740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55950.	249.3	F 467700.	6.313	12.12	.0989
Stddev	116.	.4	1515.	.306	.83	1.923
%RSD	.2072	.1543	.3238	4.840	6.859	1945.
#1	55970.	248.9	468300.	6.015	12.90	1.701
#2	55820.	249.6	466000.	6.625	12.22	-2.033
#3	56050.	249.5	468900.	6.298	11.24	.6292

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-B-4-A DU Acquired: 4/6/2016 0:44:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	412.8	1.643	9.255	40.70	195.5	.9055
Stddev	1.6	.680	.475	.08	1.0	.1928
%RSD	.3891	41.37	5.129	.2044	.5065	21.29
#1	412.3	2.381	9.047	40.69	195.1	.9940
#2	411.5	1.042	8.921	40.78	194.7	.6844
#3	414.6	1.507	9.799	40.62	196.6	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	-.7548	393.3	142.9	7651.
Stddev	.1736	1.2	.8	31.
%RSD	23.00	.2931	.5483	.3988
#1	-.8826	392.4	143.7	7617.
#2	-.8246	392.8	142.1	7665.
#3	-.5572	394.6	142.8	7673.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3060.7	33810.	5388.8
Stddev	13.3	144.	22.3
%RSD	.43368	.42616	.41404
#1	3071.6	33676.	5365.8
#2	3064.6	33962.	5410.3
#3	3045.9	33792.	5390.5

Sample Name: 460-111359-D-4-A Acquired: 4/6/2016 0:48:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3370.	4.855	.5655	39.01	.2693	32200.
Stddev	20.	.312	.3651	.21	.1412	381.
%RSD	.5895	6.434	64.56	.5319	52.41	1.182
#1	3351.	4.622	.4599	39.05	.3018	31790.
#2	3391.	5.210	.2648	39.19	.1148	32550.
#3	3369.	4.732	.9717	38.78	.3915	32270.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0475	2.227	8.593	9.088	5343.	18770.
Stddev	.0413	.249	.335	.215	35.	179.
%RSD	87.02	11.20	3.899	2.361	.6572	.9538
#1	.0602	2.407	8.660	8.998	5303.	18580.
#2	.0013	1.943	8.890	8.932	5371.	18930.
#3	.0810	2.333	8.230	9.332	5353.	18810.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56590.	251.2	F 462500.	6.383	14.21	.3832
Stddev	492.	2.2	7662.	.503	1.74	2.192
%RSD	.8702	.8920	1.657	7.873	12.22	572.1
#1	56080.	248.9	453600.	6.692	12.25	1.937
#2	57070.	253.4	467300.	6.654	15.54	1.336
#3	56610.	251.3	466500.	5.803	14.85	-2.124

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-D-4-A Acquired: 4/6/2016 0:48:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	405.4	.4636	8.896	41.65	196.0	.7736
Stddev	6.9	2.147	.124	.45	.5	.0417
%RSD	1.705	463.1	1.395	1.084	.2475	5.392
#1	397.7	-1.229	8.970	41.13	196.5	.8003
#2	407.4	2.879	8.753	41.97	195.5	.7950
#3	411.1	-.2584	8.966	41.84	196.0	.7255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2824	392.4	143.5	7594.
Stddev	.6525	3.0	1.7	60.
%RSD	231.1	.7740	1.156	.7961
#1	-.1115	389.6	145.2	7661.
#2	1.036	395.6	143.5	7576.
#3	-.0769	391.9	141.9	7544.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3012.0	33286.	5226.2
Stddev	8.1	390.	109.4
%RSD	.26746	1.1720	2.0941
#1	3020.1	33686.	5352.2
#2	3004.0	32907.	5154.4
#3	3012.0	33267.	5172.1

Sample Name: CCB Acquired: 4/6/2016 0:56:10 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.302	2.212	.3925	.0634	.0004	18.25
Stddev	7.662	.212	.0927	.1311	.0291	3.81
%RSD	178.1	9.565	23.63	206.6	7668.	20.89
#1	-1.932	2.053	.3243	.0938	.0253	22.54
#2	1.981	2.452	.4981	.1767	-.0317	15.24
#3	12.86	2.131	.3552	-.0801	.0075	16.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1477	.1288	-.1853	2.682	-6.830	11.78
Stddev	.0729	.0741	.3221	.250	.840	32.53
%RSD	49.35	57.54	173.8	9.301	12.30	276.3
#1	.1968	.2136	.0641	2.623	-5.870	45.81
#2	.1824	.0763	-.0710	2.956	-7.189	8.525
#3	.0639	.0965	-.5489	2.468	-7.431	-19.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.725	.0463	6.074	.2501	.3581	-.1647
Stddev	5.755	.0207	14.66	.3448	.3853	1.159
%RSD	154.5	44.77	241.4	137.9	107.6	703.9
#1	.5907	.0298	21.34	.0091	.2722	-1.503
#2	10.37	.0395	4.786	.6450	.0229	.4990
#3	.2188	.0696	-7.902	.0961	.7791	.5100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/6/2016 0:56:10 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.075	.4753	-.4215	.2729	-2.247	.7557
Stddev	1.561	.7040	.3996	.0421	.248	.3785
%RSD	50.75	148.1	94.80	15.43	11.03	50.08
#1	-4.196	.7905	-.0156	.2569	-2.042	1.136
#2	-3.738	.9666	-.4345	.3206	-2.178	.7516
#3	-1.293	-.3312	-.8144	.2411	-2.523	.3792

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5994	-.0550	.2186	5.944
Stddev	.6053	.1490	.2602	8.517
%RSD	101.0	270.9	119.1	143.3
#1	-.8507	.0693	.5158	-3.747
#2	-1.039	-.0141	.1077	9.335
#3	.0910	-.2202	.0321	12.24

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3201.4	36551.	5292.8
Stddev	6.6	208.	26.2
%RSD	.20513	.56878	.49480
#1	3200.9	36641.	5287.2
#2	3208.3	36313.	5321.3
#3	3195.2	36698.	5269.8

Sample Name: CCVL Acquired: 4/6/2016 1:00:14 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	246.8	15.39	9.727	195.0	2.125	4824.
Stddev	12.0	1.00	.340	.7	.090	10.
%RSD	4.868	6.478	3.499	.3743	4.246	.2087

#1	257.6	16.27	10.10	194.8	2.172	4834.
#2	233.9	14.31	9.442	195.9	2.182	4814.
#3	249.0	15.60	9.636	194.4	2.021	4824.

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	4.250	50.64	10.38	26.74	188.1	4696.
Stddev	.072	.27	.49	.15	8.0	34.
%RSD	1.700	.5376	4.728	.5780	4.242	.7310

#1	4.167	50.72	10.95	26.65	192.8	4683.
#2	4.293	50.86	10.12	26.92	178.9	4735.
#3	4.291	50.33	10.07	26.65	192.6	4670.

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	4628.	16.24	4933.	40.88	12.75	17.54
Stddev	21.	.05	20.	.29	.61	1.40
%RSD	.4605	.3154	.4017	.7202	4.820	7.960

#1	4640.	16.18	4910.	40.90	12.33	16.37
#2	4603.	16.28	4947.	41.17	13.46	19.09
#3	4640.	16.26	4941.	40.58	12.47	17.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 1:00:14 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.48	23.72	47.95	31.52	41.88	19.09
Stddev	.31	.51	.24	.21	.28	.28
%RSD	1.674	2.170	.4960	.6687	.6748	1.464

#1	18.23	23.59	48.15	31.34	41.81	19.38
#2	18.39	23.28	47.69	31.48	42.19	19.04
#3	18.83	24.29	48.00	31.75	41.64	18.83

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	46.22	20.50	20.84	F 9.627
Stddev	1.05	.10	.20	3.336
%RSD	2.272	.4967	.9795	34.65

#1	47.38	20.39	20.87	10.04
#2	45.34	20.59	20.62	6.103
#3	45.93	20.51	21.03	12.74

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	3203.3	36600.	5320.5
Stddev	8.4	237.	38.6
%RSD	.26150	.64698	.72465

#1	3193.9	36596.	5276.2
#2	3206.0	36366.	5338.7
#3	3209.9	36839.	5346.6

Sample Name: 460-111359-E-4-A MS Acquired: 4/6/2016 1:08:13 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6158.	1628.	41.34	1646.	42.24	47760.
Stddev	47.	8.	.66	3.	.38	11.
%RSD	.7711	.4727	1.590	.2065	.8916	.0228

#1	6103.	1625.	41.95	1642.	41.84	47770.
#2	6182.	1622.	41.41	1649.	42.58	47750.
#3	6188.	1637.	40.64	1647.	42.31	47760.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.77	410.8	178.0	204.9	6205.	34450.
Stddev	.21	1.1	1.0	2.0	50.	310.
%RSD	.5051	.2598	.5513	.9713	.8023	.8988

#1	40.61	410.4	178.1	205.2	6218.	34100.
#2	41.00	412.0	179.0	206.7	6246.	34690.
#3	40.69	410.0	177.0	202.8	6149.	34550.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71880.	661.3	F 472700.	414.5	417.8	385.8
Stddev	92.	1.7	2470.	1.5	.7	2.9
%RSD	.1279	.2619	.5224	.3509	.1719	.7587

#1	71790.	662.9	470900.	412.8	417.8	382.6
#2	71980.	661.4	475600.	415.3	418.5	386.4
#3	71880.	659.5	471800.	415.4	417.1	388.4

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-E-4-A MS Acquired: 4/6/2016 1:08:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1955.	1636.	430.2	479.9	602.9	402.3
Stddev	13.	17.	2.9	1.5	3.5	1.9
%RSD	.6738	1.041	.6723	.3204	.5826	.4796
#1	1946.	1638.	428.2	480.0	599.2	400.1
#2	1948.	1618.	433.5	481.4	603.4	403.2
#3	1970.	1652.	428.8	478.3	606.2	403.7

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	406.7	799.6	564.5	9427.
Stddev	.3	6.3	2.7	7.
%RSD	.0830	.7932	.4838	.0778
#1	406.5	792.9	561.7	9434.
#2	407.1	805.6	567.2	9429.
#3	406.5	800.4	564.6	9419.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2950.3	33485.	5176.9
Stddev	8.0	131.	49.5
%RSD	.27061	.39242	.95536
#1	2952.5	33598.	5233.3
#2	2941.4	33516.	5156.7
#3	2956.9	33341.	5140.8

Sample Name: pds 460-111359-D-4-A Acquired: 4/6/2016 1:11:59 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5236.	1786.	44.70	1812.	46.51	48240.
Stddev	48.	3.	.51	2.	.12	265.
%RSD	.9127	.1549	1.133	.1010	.2595	.5490
#1	5276.	1785.	44.77	1814.	46.64	48390.
#2	5250.	1789.	45.16	1810.	46.49	48400.
#3	5183.	1785.	44.16	1812.	46.40	47940.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.86	450.5	195.1	227.1	5928.	35710.
Stddev	.19	1.8	1.7	1.7	41.	218.
%RSD	.4286	.4016	.8585	.7638	.6960	.6095
#1	45.08	452.3	197.0	228.6	5973.	35870.
#2	44.78	450.6	193.8	225.2	5893.	35800.
#3	44.73	448.7	194.6	227.4	5916.	35460.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72430.	688.5	F 469300.	457.7	458.0	432.5
Stddev	248.	4.4	6393.	.1	1.8	.7
%RSD	.3430	.6402	1.362	.0175	.3986	.1564
#1	72540.	689.9	475400.	457.7	459.9	432.2
#2	72600.	692.1	469800.	457.6	456.3	432.0
#3	72140.	683.6	462700.	457.8	457.9	433.3

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-111359-D-4-A Acquired: 4/6/2016 1:11:59 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2120.	1790.	473.4	512.8	650.8	448.9
Stddev	1.	11.	2.8	1.8	1.6	.4
%RSD	.0257	.5920	.5887	.3502	.2514	.0814
#1	2120.	1802.	476.5	514.6	649.0	449.2
#2	2119.	1787.	471.3	512.8	651.4	448.5
#3	2120.	1781.	472.4	511.0	652.1	449.1

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	455.0	834.7	607.4	8004.
Stddev	.5	4.0	4.5	71.
%RSD	.1074	.4815	.7410	.8915
#1	454.7	836.0	612.6	7988.
#2	455.5	838.0	605.6	7941.
#3	454.7	830.2	604.2	8081.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2930.9	33831.	5205.6
Stddev	4.3	171.	51.8
%RSD	.14564	.50567	.99478
#1	2927.3	33710.	5177.4
#2	2929.9	33757.	5174.1
#3	2935.6	34027.	5265.4

Sample Name: 460-111377-K-2-A Acquired: 4/6/2016 1:19:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	478.0	5.430	.5336	204.7	.0522	194700.
Stddev	12.5	2.326	.2175	.6	.0749	450.
%RSD	2.611	42.83	40.77	.2687	143.4	.2311
#1	481.4	3.542	.7784	204.7	.0621	194300.
#2	488.5	8.028	.4595	205.3	-.0271	195200.
#3	464.2	4.721	.3628	204.2	.1217	194800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1125	3.325	.2913	6.251	19760.	40040.
Stddev	.1409	.360	.3794	.181	42.	22.
%RSD	125.2	10.84	130.2	2.897	.2132	.0547
#1	.2165	3.354	-.0063	6.405	19710.	40060.
#2	.1689	3.669	.1617	6.296	19790.	40030.
#3	-.0478	2.951	.7186	6.052	19780.	40020.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35610.	412.3	221200.	15.43	57.52	1.211
Stddev	110.	1.0	1507.	.67	1.85	1.031
%RSD	.3102	.2475	.6813	4.358	3.224	85.08
#1	35500.	411.2	222900.	14.66	57.82	1.221
#2	35720.	413.2	220400.	15.92	55.53	2.237
#3	35620.	412.5	220200.	15.72	59.20	.1760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-K-2-A Acquired: 4/6/2016 1:19:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	195.1	.7984	1.014	279.7	486.9	3.144
Stddev	2.1	3.142	.186	.4	2.2	.154
%RSD	1.079	393.5	18.33	.1449	.4593	4.885
#1	197.6	3.558	.7998	279.7	488.3	3.271
#2	193.8	1.458	1.130	280.1	488.1	2.974
#3	194.0	-2.621	1.113	279.3	484.3	3.188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.817	1296.	8.302	10440.
Stddev	1.157	4.	.147	20.
%RSD	30.31	.3068	1.770	.1910
#1	2.622	1301.	8.385	10440.
#2	4.932	1296.	8.132	10420.
#3	3.897	1293.	8.389	10460.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2908.2	33703.	5225.3
Stddev	2.5	124.	7.4
%RSD	.08475	.36733	.14178
#1	2907.4	33651.	5227.5
#2	2906.2	33613.	5217.0
#3	2910.9	33844.	5231.3

Sample Name: 460-111377-K-3-A Acquired: 4/6/2016 1:23:27 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	645.9	8.086	.1051	181.4	.0099	135700.
Stddev	18.2	.710	.4259	.2	.0662	986.
%RSD	2.816	8.783	405.4	.1369	670.5	.7270
#1	632.2	8.757	-.3828	181.1	.0013	134700.
#2	638.9	8.158	.4031	181.6	.0799	135700.
#3	666.5	7.342	.2949	181.4	-.0516	136600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1228	5.466	1.247	3.536	3093.	38460.
Stddev	.0649	.107	.314	.458	16.	191.
%RSD	52.83	1.959	25.14	12.95	.5164	.4964
#1	.0534	5.355	1.072	3.865	3088.	38670.
#2	.1331	5.473	1.609	3.013	3080.	38400.
#3	.1819	5.569	1.060	3.731	3111.	38290.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43790.	753.7	140100.	12.87	23.80	.8700
Stddev	259.	4.0	1283.	.58	.45	.9168
%RSD	.5917	.5341	.9156	4.469	1.883	105.4
#1	43540.	750.2	141400.	12.72	23.28	1.873
#2	43780.	752.8	140100.	12.39	24.04	.6630
#3	44050.	758.1	138900.	13.51	24.07	.0744

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-K-3-A Acquired: 4/6/2016 1:23:27 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122.8	2.361	2.268	229.4	653.0	3.611
Stddev	2.0	1.847	.092	.9	3.1	.247
%RSD	1.639	78.23	4.073	.3744	.4766	6.848
#1	124.5	1.205	2.336	228.7	654.0	3.627
#2	123.2	4.491	2.162	230.4	655.5	3.357
#3	120.6	1.387	2.304	229.2	649.5	3.851

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.801	1051.	22.65	10590.
Stddev	.730	6.	.83	87.
%RSD	26.06	.6076	3.663	.8245
#1	2.196	1059.	22.20	10490.
#2	2.596	1048.	23.61	10650.
#3	3.612	1048.	22.14	10630.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2923.5	33953.	5225.6
Stddev	19.2	357.	9.1
%RSD	.65698	1.0517	.17432
#1	2938.1	34328.	5228.9
#2	2930.7	33916.	5232.6
#3	2901.8	33616.	5215.3

Sample Name: 460-111377-K-6-A Acquired: 4/6/2016 1:35:01 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	956.1	7.134	.0989	136.8	.0364	156500.
Stddev	19.9	1.120	.0868	.3	.0264	299.
%RSD	2.079	15.69	87.77	.2033	72.49	.1911

#1	957.2	6.892	.0141	137.1	.0648	156100.
#2	975.4	8.355	.0951	136.8	.0127	156700.
#3	935.7	6.155	.1875	136.6	.0317	156600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0149	2.220	1.065	4.152	19870.	35640.
Stddev	.0301	.190	.192	.465	86.	179.
%RSD	201.8	8.554	18.00	11.21	.4331	.5018

#1	.0179	2.075	1.222	3.858	19810.	35680.
#2	-.0166	2.435	.8514	3.909	19830.	35800.
#3	.0434	2.150	1.121	4.688	19970.	35450.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48610.	239.3	142200.	10.41	64.90	1.965
Stddev	118.	.7	713.	.31	2.07	.502
%RSD	.2424	.2717	.5009	2.987	3.187	25.57

#1	48570.	238.6	142600.	10.10	63.31	2.524
#2	48750.	239.4	142700.	10.41	67.24	1.818
#3	48530.	239.9	141400.	10.72	64.16	1.552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-K-6-A Acquired: 4/6/2016 1:35:01 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124.5	.7657	2.313	88.45	580.5	2.808
Stddev	2.6	1.677	.505	.28	.4	.115
%RSD	2.072	219.0	21.84	.3201	.0687	4.097
#1	127.2	-.7950	1.735	88.41	580.9	2.869
#2	122.0	2.539	2.669	88.18	580.5	2.675
#3	124.5	.5531	2.536	88.75	580.1	2.879

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.256	1101.	29.30	12350.
Stddev	.278	5.	.40	64.
%RSD	5.290	.4719	1.376	.5181
#1	5.315	1102.	29.77	12270.
#2	5.500	1107.	29.10	12370.
#3	4.953	1096.	29.04	12390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2915.2	33545.	5231.8
Stddev	10.2	94.	73.2
%RSD	.34911	.27987	1.3990
#1	2905.7	33535.	5173.1
#2	2913.9	33457.	5208.4
#3	2925.9	33644.	5313.8

Sample Name: 460-111359-D-1-A Acquired: 4/6/2016 1:38:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4029.	8.094	.4201	59.56	.4596	34360.
Stddev	11.	1.358	.2829	.33	.0493	198.
%RSD	.2813	16.78	67.35	.5494	10.73	.5769
#1	4016.	9.215	.7433	59.67	.5033	34450.
#2	4039.	6.584	.2177	59.19	.4695	34490.
#3	4031.	8.484	.2992	59.81	.4061	34130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4366	6.255	14.57	19.13	9757.	20330.
Stddev	.0948	.237	.35	.03	43.	53.
%RSD	21.71	3.787	2.424	.1388	.4457	.2585
#1	.4554	5.993	14.85	19.10	9708.	20320.
#2	.5205	6.453	14.18	19.16	9788.	20390.
#3	.3338	6.320	14.69	19.13	9777.	20280.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64740.	914.1	F 476900.	11.03	33.54	.8034
Stddev	217.	5.5	4651.	.43	1.55	1.399
%RSD	.3355	.6058	.9753	3.910	4.614	174.2
#1	64850.	914.9	473900.	11.49	32.53	1.591
#2	64870.	919.1	474500.	10.99	35.32	-8.123
#3	64490.	908.2	482200.	10.63	32.76	1.631

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-D-1-A Acquired: 4/6/2016 1:38:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	421.6	-.1867	17.52	113.4	226.1	.6825
Stddev	5.2	1.893	.32	.3	1.3	.1291
%RSD	1.222	1014.	1.801	.2973	.5539	18.92
#1	419.1	-2.119	17.27	113.8	226.0	.5350
#2	418.3	-.1045	17.42	113.1	224.9	.7748
#3	427.6	1.664	17.87	113.3	227.4	.7379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2809	424.2	166.7	8172.
Stddev	.1656	.9	.9	39.
%RSD	58.96	.2218	.5444	.4761
#1	.1071	423.2	165.9	8216.
#2	.4369	425.1	167.7	8155.
#3	.2986	424.3	166.6	8144.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2957.7	33096.	5261.1
Stddev	16.1	211.	37.0
%RSD	.54288	.63702	.70420
#1	2939.3	32935.	5271.3
#2	2964.9	33019.	5220.0
#3	2968.9	33335.	5292.0

Sample Name: CCV Acquired: 4/6/2016 1:42:49 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118600.	2408.	1173.	9736.	958.1	124000.
Stddev	576.	10.	9.	26.	2.1	1054.
%RSD	.4851	.3992	.7437	.2643	.2235	.8495

#1	118100.	2397.	1164.	9712.	957.0	122800.
#2	118600.	2413.	1174.	9764.	956.8	124500.
#3	119200.	2414.	1182.	9733.	960.6	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	1216.	2411.	4972.	11770.	96100.	48000.
Stddev	3.	4.	21.	17.	535.	177.
%RSD	.2055	.1811	.4273	.1484	.5562	.3686

#1	1215.	2409.	4947.	11790.	95490.	47800.
#2	1219.	2416.	4980.	11760.	96430.	48100.
#3	1214.	2409.	4987.	11760.	96390.	48110.

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	123200.	4957.	118400.	2430.	7349.	931.9
Stddev	740.	37.	511.	5.	18.	2.9
%RSD	.6006	.7505	.4316	.2128	.2427	.3064

#1	122400.	4915.	117900.	2427.	7339.	928.8
#2	123500.	4969.	118400.	2436.	7370.	934.4
#3	123700.	4986.	118900.	2427.	7339.	932.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/6/2016 1:42:49 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2376.	2405.	2410.	2459.	949.4	2404.
Stddev	2.	17.	6.	7.	3.1	7.
%RSD	.0973	.7066	.2521	.2868	.3298	.3028

#1	2376.	2385.	2404.	2462.	945.8	2396.
#2	2374.	2415.	2410.	2464.	950.4	2411.
#3	2379.	2414.	2416.	2451.	951.8	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	972.1	4840.	9609.	8702.
Stddev	3.2	18.	45.	81.
%RSD	.3324	.3789	.4703	.9324

#1	969.6	4819.	9564.	8697.
#2	975.8	4848.	9655.	8785.
#3	971.1	4853.	9607.	8623.

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	2900.0	33156.	5180.7
Stddev	13.3	249.	61.8
%RSD	.45860	.75125	1.1937

#1	2899.4	33425.	5195.1
#2	2887.1	33109.	5234.1
#3	2913.6	32933.	5112.9

Sample Name: CCB Acquired: 4/6/2016 1:46:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.047	1.197	.0033	-.0146	-.0102	-2.148
Stddev	6.933	2.340	.0773	.1024	.0650	1.491
%RSD	338.6	195.5	2340.	699.0	634.7	69.42
#1	5.959	2.870	.0306	.0948	-.0784	-.6027
#2	-5.957	-1.477	-.0839	-.0307	-.0034	-3.578
#3	6.141	2.199	.0632	-.1080	.0510	-2.262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0393	.0388	-.0568	1.053	-.6356	-6.433
Stddev	.1243	.1448	.3085	.318	2.362	9.591
%RSD	316.1	373.3	543.5	30.23	371.5	149.1
#1	-.1779	.0285	-.3957	1.112	-1.120	-17.49
#2	-.0026	.1884	.0177	1.337	-2.718	-1.423
#3	.0625	-.1006	.2077	.7089	1.930	-.3856

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.784	.1559	28.31	-.3056	.4195	.6955
Stddev	5.071	.0134	16.72	.0559	.8972	.7921
%RSD	134.0	8.568	59.05	18.28	213.9	113.9
#1	8.590	.1493	47.36	-.2423	1.453	1.598
#2	4.276	.1713	21.42	-.3268	-.1645	.3744
#3	-1.515	.1472	16.13	-.3478	-.0297	.1143

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/6/2016 1:46:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.976	.6534	-.0164	.2382	-1.125	.9806
Stddev	1.444	1.208	.2124	.1348	.343	.5549
%RSD	73.08	184.8	1298.	56.59	30.43	56.59
#1	-.3147	-.7078	.0420	.3934	-.9431	1.557
#2	-2.930	1.071	.1608	.1502	-.9128	.9345
#3	-2.683	1.597	-.2518	.1711	-1.520	.4502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4649	-.0057	.5049	8.784
Stddev	.1874	.0522	.3016	8.427
%RSD	40.30	907.9	59.74	95.93
#1	-.5269	.0537	.7233	17.92
#2	-.6134	-.0266	.1607	7.130
#3	-.2544	-.0443	.6307	1.307

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	3143.0	36088.	5282.9
Stddev	6.1	228.	27.1
%RSD	.19362	.63296	.51282
#1	3136.0	35841.	5252.3
#2	3146.3	36133.	5303.9
#3	3146.7	36291.	5292.6

Sample Name: CCVL Acquired: 4/6/2016 1:50:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	245.1	13.99	9.226	203.7	2.206	5038.
Stddev	6.8	.66	.193	.3	.044	6.
%RSD	2.768	4.748	2.094	.1483	1.976	.1288

#1	247.2	14.46	9.016	203.8	2.256	5031.
#2	237.5	14.28	9.264	203.4	2.176	5044.
#3	250.5	13.23	9.397	204.0	2.186	5038.

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	4.314	51.90	11.06	26.84	192.2	4691.
Stddev	.025	.04	.04	.14	11.9	4.
%RSD	.5729	.0758	.3430	.5147	6.195	.0945

#1	4.342	51.86	11.07	26.80	182.9	4688.
#2	4.303	51.94	11.09	26.99	205.6	4696.
#3	4.296	51.90	11.02	26.72	187.9	4689.

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	4932.	16.85	4710.	42.19	12.73	18.26
Stddev	16.	.13	18.	.38	.84	1.19
%RSD	.3174	.7832	.3742	.8958	6.570	6.541

#1	4919.	16.72	4722.	42.35	13.65	16.88
#2	4928.	16.99	4719.	41.76	12.53	19.02
#3	4949.	16.82	4690.	42.47	12.02	18.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 1:50:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.74	23.15	49.19	32.07	45.18	19.78
Stddev	.74	2.13	.22	.31	.36	.12
%RSD	3.392	9.179	.4377	.9604	.7862	.6171

#1	20.90	23.11	49.29	31.80	45.36	19.77
#2	22.30	25.29	49.34	32.00	45.41	19.66
#3	22.02	21.04	48.95	32.41	44.77	19.90

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	49.32	20.50	21.02	F 7.527
Stddev	.83	.14	.22	16.20
%RSD	1.675	.6721	1.068	215.2

#1	48.54	20.55	20.80	25.49
#2	49.22	20.60	21.00	3.077
#3	50.19	20.34	21.25	-5.984

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	3141.3	35805.	5319.3
Stddev	2.9	101.	39.8
%RSD	.09307	.28235	.74734

#1	3139.2	35837.	5319.2
#2	3144.6	35691.	5279.7
#3	3140.0	35886.	5359.2

Sample Name: 460-111359-D-3-A Acquired: 4/6/2016 1:58:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9570.	12.51	.8376	256.9	3.858	51160.
Stddev	56.	.24	.3972	1.1	.088	331.
%RSD	.5858	1.955	47.42	.4217	2.271	.6466

#1	9577.	12.32	.4016	256.7	3.838	50850.
#2	9622.	12.78	1.179	258.0	3.954	51510.
#3	9510.	12.42	.9327	255.9	3.782	51110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.854	50.30	23.10	113.0	27570.	19650.
Stddev	.056	.30	.34	.8	207.	100.
%RSD	1.458	.5902	1.463	.6848	.7496	.5073

#1	3.909	50.48	22.85	112.2	27420.	19660.
#2	3.796	50.46	23.48	113.7	27800.	19750.
#3	3.859	49.96	22.95	113.2	27470.	19550.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64530.	8788.	F 405800.	55.72	150.8	-1.003
Stddev	278.	86.	3983.	.12	.6	.182
%RSD	.4303	.9748	.9817	.2189	.4130	18.17

#1	64400.	8726.	408400.	55.66	151.5	-.8711
#2	64850.	8886.	407700.	55.86	150.8	-1.210
#3	64340.	8753.	401200.	55.64	150.2	-.9261

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-D-3-A Acquired: 4/6/2016 1:58:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	358.6	2.279	95.52	905.2	210.8	.6584
Stddev	5.8	1.395	.78	3.4	1.5	.1639
%RSD	1.618	61.22	.8152	.3733	.7321	24.89
#1	363.0	.9767	95.85	905.7	211.3	.8244
#2	360.9	3.752	96.08	908.3	212.1	.4968
#3	352.1	2.108	94.63	901.6	209.1	.6539

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9786	575.2	32.67	7927.
Stddev	.6839	2.6	.22	68.
%RSD	69.88	.4560	.6641	.8580
#1	-.2080	576.1	32.49	7976.
#2	-1.513	577.3	32.91	7850.
#3	-1.215	572.3	32.62	7957.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3279.9	36310.	5787.0
Stddev	8.8	247.	44.3
%RSD	.26932	.68137	.76468
#1	3289.8	36540.	5767.0
#2	3272.9	36048.	5756.3
#3	3277.0	36341.	5837.7

Sample Name: 460-109980-G-3-A Acquired: 4/6/2016 2:14:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	214.6	3.349	.2926	83.90	-.0064	14940.
Stddev	6.6	.731	.6201	.28	.0272	78.
%RSD	3.081	21.83	211.9	.3363	427.1	.5205
#1	222.2	2.533	.8018	83.65	.0247	15020.
#2	210.4	3.568	-.3980	83.86	-.0181	14870.
#3	211.1	3.946	.4739	84.21	-.0258	14920.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.105	1.011	366.5	5.543	3009.	7959.
Stddev	.043	.189	2.9	.345	15.	13.
%RSD	3.892	18.72	.7872	6.225	.4924	.1646
#1	1.148	.9445	369.1	5.195	3012.	7945.
#2	1.062	1.225	366.9	5.548	3023.	7971.
#3	1.105	.8642	363.4	5.885	2993.	7961.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4161.	76.26	37460.	25.21	5.817	-.4567
Stddev	32.	.08	216.	.54	1.105	.4255
%RSD	.7660	.1007	.5752	2.148	18.99	93.17
#1	4189.	76.35	37500.	24.89	5.602	-.9273
#2	4167.	76.21	37650.	24.91	4.835	-.3439
#3	4126.	76.23	37230.	25.84	7.013	-.0990

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-G-3-A Acquired: 4/6/2016 2:14:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.66	2.306	1.696	5.518	27.61	2.454
Stddev	1.07	.572	.255	.202	.18	.079
%RSD	3.376	24.81	15.03	3.664	.6457	3.198
#1	31.18	1.662	1.404	5.483	27.61	2.538
#2	32.88	2.502	1.809	5.336	27.44	2.382
#3	30.91	2.754	1.875	5.736	27.79	2.443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6529	95.21	10.24	5709.
Stddev	.5827	.32	.12	85.
%RSD	89.24	.3371	1.148	1.490
#1	-.7672	94.91	10.11	5614.
#2	-.0216	95.17	10.27	5778.
#3	-1.170	95.55	10.34	5736.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3236.9	36461.	5482.1
Stddev	3.9	316.	104.3
%RSD	.11948	.86596	1.9023
#1	3241.4	36101.	5362.6
#2	3234.7	36692.	5528.4
#3	3234.7	36589.	5555.1

Sample Name: 460-109980-G-4-A Acquired: 4/6/2016 2:18:06 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	821.1	3.166	.3136	120.6	.1833	17820.
Stddev	8.4	1.167	.2541	.5	.1006	108.
%RSD	1.022	36.85	81.02	.4005	54.91	.6057
#1	816.8	1.820	.6055	120.1	.1524	17840.
#2	830.8	3.794	.1414	120.8	.2957	17920.
#3	815.7	3.885	.1941	121.0	.1017	17700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5933	1.758	66.73	4.646	2199.	3641.
Stddev	.0171	.054	.91	.521	19.	12.
%RSD	2.884	3.070	1.358	11.21	.8466	.3206
#1	.5797	1.817	66.85	4.992	2193.	3651.
#2	.5877	1.711	67.57	4.899	2220.	3644.
#3	.6125	1.746	65.77	4.047	2184.	3628.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3526.	448.5	39480.	8.178	7.643	-.3712
Stddev	35.	2.5	161.	.384	.735	.9746
%RSD	.9902	.5474	.4089	4.694	9.615	262.5
#1	3539.	448.9	39420.	8.598	7.806	.1287
#2	3553.	450.7	39660.	7.845	8.283	.2519
#3	3487.	445.8	39350.	8.092	6.840	-1.494

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-G-4-A Acquired: 4/6/2016 2:18:06 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34.44	.4973	2.859	5.541	66.22	.1548
Stddev	1.08	1.534	.481	.127	.35	.1118
%RSD	3.125	308.5	16.82	2.289	.5343	72.20
#1	33.22	-.8760	2.660	5.538	65.91	.0810
#2	34.88	2.153	3.407	5.670	66.14	.1000
#3	35.23	.2152	2.509	5.417	66.61	.2834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4786	91.53	22.72	5565.
Stddev	.4326	.09	.12	30.
%RSD	90.40	.0973	.5168	.5431
#1	-.1355	91.58	22.68	5534.
#2	-.3357	91.42	22.85	5564.
#3	-.9646	91.58	22.63	5595.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3200.1	36032.	5317.9
Stddev	6.1	239.	45.5
%RSD	.19007	.66284	.85640
#1	3207.0	36053.	5360.9
#2	3195.5	35784.	5270.2
#3	3197.9	36260.	5322.4

Sample Name: CCB Acquired: 4/6/2016 2:37:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.29	.0787	.0706	.4179	.0401	12.50
Stddev	10.46	2.075	.3445	.4374	.0408	2.61
%RSD	85.17	2635.	487.8	104.7	101.6	20.89

#1	16.17	1.221	-.2885	.9158	-.0043	13.20
#2	20.25	-2.316	.1021	.0956	.0759	14.68
#3	.4344	1.331	.3983	.2424	.0488	9.606

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1095	.0666	.0326	1.390	.4928	-2.634
Stddev	.0806	.1912	.3255	.038	6.737	45.68
%RSD	73.61	287.4	998.4	2.737	1367.	1734.

#1	.1570	.2780	.0145	1.434	1.514	48.64
#2	.1550	.0161	.3668	1.367	6.661	-38.98
#3	.0164	-.0944	-.2835	1.369	-6.697	-17.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.626	.0886	3.517	.4159	.8218	.4044
Stddev	5.260	.1360	8.746	.1571	.5265	.7299
%RSD	93.50	153.6	248.7	37.77	64.07	180.5

#1	7.578	.2258	10.75	.5434	1.163	-.3646
#2	-.3310	.0861	6.001	.2404	1.087	1.088
#3	9.630	-.0462	-6.202	.4639	.2154	.4904

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/6/2016 2:37:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1877	1.236	.0145	.1113	-2.514	1.041
Stddev	.1561	1.479	.1645	.1318	.224	.664
%RSD	83.18	119.6	1132.	118.4	8.923	63.84
#1	-.0088	-.4525	.0888	.2246	-2.630	1.736
#2	-.2962	1.862	.1289	.1428	-2.255	.9728
#3	-.2581	2.299	-.1740	-.0333	-2.656	.4127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6012	-.0783	.4653	-7.360
Stddev	.3866	.0306	.1695	6.594
%RSD	64.31	39.11	36.43	89.59
#1	-.6935	-.0547	.6609	-6.882
#2	-.1768	-.1129	.3624	-14.18
#3	-.9332	-.0673	.3725	-1.018

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	3196.4	36653.	5222.4
Stddev	6.8	413.	110.6
%RSD	.21141	1.1261	2.1175
#1	3188.7	36203.	5097.6
#2	3199.3	37014.	5308.3
#3	3201.2	36742.	5261.2

Sample Name: CCVL Acquired: 4/6/2016 2:41:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	235.9	14.60	9.816	196.0	2.264	4921.
Stddev	7.6	1.48	.499	1.0	.053	45.
%RSD	3.206	10.12	5.080	.5199	2.350	.9078

#1	239.0	15.26	9.482	194.9	2.313	4870.
#2	241.4	12.91	9.576	196.0	2.273	4938.
#3	227.3	15.63	10.39	197.0	2.207	4954.

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	4.278	50.95	10.62	27.15	184.5	4710.
Stddev	.055	.30	.29	.44	8.9	28.
%RSD	1.282	.5984	2.761	1.634	4.799	.5919

#1	4.259	50.62	10.95	26.66	175.8	4688.
#2	4.340	51.02	10.47	27.28	193.5	4700.
#3	4.235	51.21	10.43	27.52	184.3	4742.

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	4724.	16.64	4910.	40.81	11.95	16.63
Stddev	66.	.17	26.	.41	.64	.76
%RSD	1.388	1.030	.5289	1.008	5.350	4.597

#1	4661.	16.45	4921.	40.35	12.63	15.90
#2	4718.	16.68	4880.	41.12	11.36	17.42
#3	4792.	16.78	4929.	40.97	11.86	16.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 2:41:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.36	23.85	48.38	32.03	42.88	19.04
Stddev	.35	1.67	.64	.21	.79	.12
%RSD	1.727	7.014	1.325	.6408	1.840	.6077
#1	19.96	22.14	48.07	31.85	42.04	18.91
#2	20.50	23.92	47.95	31.99	42.98	19.11
#3	20.62	25.48	49.12	32.25	43.61	19.10

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	46.72	20.52	20.98	F 8.795
Stddev	.51	.16	.13	14.78
%RSD	1.082	.7932	.6342	168.1
#1	46.14	20.38	20.98	22.06
#2	47.00	20.49	20.84	-7.139
#3	47.04	20.70	21.10	11.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3234.1	36659.	5323.9
Stddev	10.4	212.	34.8
%RSD	.32118	.57739	.65453
#1	3244.1	36886.	5337.1
#2	3223.4	36466.	5350.2
#3	3234.9	36626.	5284.4

Sample Name: 460-109980-G-7-A Acquired: 4/6/2016 2:29:49 Type: Unk
 Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	179.9	2.059	.3245	49.18	.0074	20250.
Stddev	8.1	.875	.2922	.09	.0637	83.
%RSD	4.504	42.52	90.04	.1824	863.3	.4088
#1	175.5	2.919	.5964	49.08	-.0602	20160.
#2	174.9	1.169	.0156	49.23	.0159	20270.
#3	189.2	2.088	.3615	49.24	.0664	20320.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0993	.6971	41.22	4.891	302.5	9786.
Stddev	.0734	.1948	.61	.667	13.8	78.
%RSD	73.94	27.95	1.488	13.63	4.547	.7945
#1	.0537	.4753	40.58	5.606	288.5	9718.
#2	.0602	.8407	41.80	4.286	316.0	9769.
#3	.1839	.7753	41.30	4.781	302.8	9871.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4710.	71.33	35380.	4.528	6.963	-1.093
Stddev	37.	.73	69.	.115	.313	1.130
%RSD	.7807	1.020	.1946	2.547	4.495	103.4
#1	4669.	70.52	35450.	4.395	7.305	-.6847
#2	4740.	71.94	35380.	4.604	6.690	-2.371
#3	4719.	71.54	35320.	4.585	6.893	-.2244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-G-7-A Acquired: 4/6/2016 2:29:49 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.43	-1.122	.9482	8.421	30.76	.2779
Stddev	2.21	1.050	.1397	.106	.58	.1771
%RSD	7.522	93.58	14.73	1.261	1.873	63.73
#1	29.65	.0872	1.021	8.344	30.91	.4314
#2	27.12	-1.650	.7872	8.542	30.13	.3184
#3	31.53	-1.802	1.036	8.377	31.25	.0841

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3553	137.2	6.476	6919.
Stddev	.8112	.7	.084	44.
%RSD	228.3	.4903	1.295	.6411
#1	.3388	136.4	6.523	6868.
#2	-.4475	137.6	6.526	6942.
#3	1.175	137.5	6.379	6947.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3195.1	36102.	5496.7
Stddev	16.2	152.	12.5
%RSD	.50647	.42102	.22762
#1	3211.1	36171.	5482.9
#2	3195.5	36207.	5500.1
#3	3178.8	35928.	5507.2

Sample Name: 460-109980-E-9-A Acquired: 4/6/2016 2:49:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.07	.0728	-.0018	80.57	.0728	22320.
Stddev	5.89	1.166	.3074	.18	.0226	124.
%RSD	6.617	1602.	16660.	.2233	31.04	.5542
#1	93.12	1.371	-.1211	80.44	.0477	22260.
#2	82.31	-.2673	.3473	80.78	.0914	22240.
#3	91.79	-.8849	-.2317	80.51	.0794	22460.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3502	.2735	.5991	2.433	3.167	2589.
Stddev	.0817	.2273	.3550	.386	3.718	30.
%RSD	23.32	83.09	59.26	15.89	117.4	1.168
#1	.2651	.4587	.8109	2.872	-1.028	2562.
#2	.4280	.3418	.7971	2.278	4.475	2584.
#3	.3576	.0199	.1892	2.148	6.054	2622.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5686.	167.9	118600.	1.883	3.686	-.3267
Stddev	24.	1.1	515.	.121	1.263	.3216
%RSD	.4276	.6666	.4344	6.431	34.26	98.41
#1	5703.	166.7	118800.	1.933	2.325	-.1377
#2	5658.	168.3	119000.	1.745	3.913	-.1445
#3	5697.	168.8	118000.	1.971	4.820	-.6980

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-E-9-A Acquired: 4/6/2016 2:49:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	103.1	.7414	.2542	17.02	33.48	-.1351
Stddev	2.5	.9806	.2237	.19	.31	.2270
%RSD	2.430	132.3	88.00	1.109	.9191	168.1
#1	106.0	.3575	.2925	16.99	33.13	.0126
#2	102.0	1.856	.0138	16.84	33.64	-.3965
#3	101.3	.0109	.4563	17.22	33.68	-.0213

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6746	113.7	1.670	3881.
Stddev	1.048	.2	.105	17.
%RSD	155.3	.1929	6.260	.4363
#1	.4215	113.7	1.786	3890.
#2	-1.666	113.5	1.583	3862.
#3	-.7789	114.0	1.641	3892.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3184.8	36165.	5481.6
Stddev	2.9	168.	48.0
%RSD	.09142	.46353	.87605
#1	3187.6	36103.	5525.5
#2	3184.8	36355.	5488.9
#3	3181.8	36038.	5430.3

Sample Name: CCV Acquired: 4/6/2016 2:53:12 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121500.	2315.	1181.	9289.	957.1	119400.
Stddev	467.	1.	2.	11.	1.5	199.
%RSD	.3847	.0389	.1679	.1181	.1537	.1666

#1	121000.	2315.	1179.	9287.	955.5	119600.
#2	121500.	2314.	1180.	9279.	957.3	119300.
#3	122000.	2316.	1183.	9301.	958.4	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	1175.	2357.	4669.	11510.	97100.	47850.
Stddev	2.	7.	9.	32.	199.	144.
%RSD	.1466	.2884	.1903	.2767	.2050	.3015

#1	1173.	2352.	4679.	11480.	96950.	47690.
#2	1174.	2355.	4661.	11510.	97020.	47890.
#3	1177.	2365.	4666.	11540.	97330.	47970.

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	116500.	4834.	123300.	2315.	6911.	920.1
Stddev	167.	2.	595.	3.	9.	1.4
%RSD	.1435	.0326	.4828	.1468	.1302	.1489

#1	116700.	4833.	122600.	2314.	6911.	921.4
#2	116300.	4833.	123300.	2312.	6901.	918.7
#3	116600.	4836.	123800.	2318.	6919.	920.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/6/2016 2:53:12 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2299.	2401.	2358.	2432.	902.8	2319.
Stddev	6.	7.	3.	17.	3.2	2.
%RSD	.2730	.2899	.1349	.6800	.3560	.1026

#1	2303.	2394.	2354.	2417.	906.4	2316.
#2	2303.	2408.	2360.	2428.	900.2	2320.
#3	2292.	2402.	2359.	2450.	901.8	2320.

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	931.2	4853.	9715.	8535.
Stddev	3.4	26.	82.	61.
%RSD	.3670	.5266	.8451	.7161

#1	929.6	4825.	9682.	8464.
#2	928.8	4861.	9809.	8572.
#3	935.1	4874.	9656.	8567.

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	3026.1	34479.	5315.3
Stddev	13.3	131.	54.0
%RSD	.43892	.37862	1.0163

#1	3030.6	34328.	5254.2
#2	3036.6	34558.	5356.5
#3	3011.2	34550.	5335.3

Sample Name: CCVL Acquired: 4/6/2016 3:00:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	239.3	14.45	9.674	195.2	2.138	4864.
Stddev	10.9	1.88	.312	.3	.044	5.
%RSD	4.544	13.04	3.222	.1289	2.072	.1051
#1	250.5	14.36	9.938	195.0	2.130	4866.
#2	238.4	16.38	9.754	195.5	2.098	4858.
#3	228.8	12.61	9.330	195.3	2.186	4868.

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	4.177	50.69	10.62	26.70	176.2	4688.
Stddev	.142	.22	.11	.48	8.2	17.
%RSD	3.406	.4289	1.037	1.796	4.637	.3526
#1	4.017	50.44	10.71	26.98	174.0	4669.
#2	4.230	50.84	10.50	26.15	169.4	4700.
#3	4.286	50.79	10.65	26.97	185.3	4695.

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	4686.	16.46	4900.	40.99	11.46	17.81
Stddev	19.	.10	22.	.13	1.20	.60
%RSD	.4113	.5901	.4390	.3286	10.43	3.391
#1	4664.	16.54	4912.	40.84	12.51	18.49
#2	4693.	16.48	4913.	41.09	10.16	17.33
#3	4701.	16.35	4875.	41.04	11.72	17.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 3:00:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.07	23.57	48.19	31.46	42.95	18.94
Stddev	.66	.68	.19	.16	.38	.28
%RSD	3.275	2.880	.3987	.4941	.8814	1.471

#1	19.95	24.11	48.09	31.46	42.89	18.68
#2	19.49	23.79	48.41	31.30	42.60	18.91
#3	20.78	22.81	48.07	31.61	43.35	19.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.60	20.42	20.95	F 6.507
Stddev	.66	.12	.16	6.990
%RSD	1.393	.5666	.7751	107.4

#1	47.34	20.47	20.76	-1.564
#2	48.35	20.29	21.01	10.43
#3	47.10	20.50	21.06	10.65

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	3203.3	36757.	5309.9
Stddev	5.5	180.	59.7
%RSD	.17258	.49105	1.1242

#1	3208.7	36902.	5365.7
#2	3197.6	36814.	5247.0
#3	3203.5	36555.	5317.0

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Batch Number: 360758 Batch Start Date: 04/05/16 07:40 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 04/05/16 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_91 00001	
MB 460-360758/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-360758/2		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	50 mL		1.02 g	
460-111461-K-1 DU		3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-111461-K-1 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	50 mL	2 mL		
460-111006-A-1	A1	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 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	#3
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#42
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: 460-111006-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID
A1

Lab Sample ID
460-111006-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111006-1
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: 460-111006-1
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.: 460-111006-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/04/2016 17:47 End Date: 04/04/2016 17:47

[illegible]

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111006-1

SDG No.: _____

Batch Number: 360646 Batch Start Date: 04/04/16 17:47 Batch Analyst: Bordieri, Brian MBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-111006-A-1	A1	Moisture	T	112	0.99 g	6.05 g	5.08 g		
460-111387-B-3 DU		Moisture	T	128	1.01 g	5.46 g	5.31 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	04.04.16
Oven Temp In	104 Degrees C
Time samples were place in the oven	1805
Date samples were removed from oven	4/5/16
Oven Temp Out	104 Degrees C
Time Samples were removed from oven	08:27
Oven ID	Oven #2
Thermometer ID	116941
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	104 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 1

Shipping and Receiving Documents


TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice) Jan Hoffman		Samplers Name (Printed) EAR-SC		Site/Project Identification DE-ENMONT S/L	
Company EAR		P. O. #		State (Location of site): NJ <input type="checkbox"/> NY <input checked="" type="checkbox"/> Other: ET30150	
Address 225 ATGARD AVE		Analysis Turnaround Time Standard <input checked="" type="checkbox"/> (10-20 days) Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>		Regulatory Program:	
City APPROXIMATE	State NY	ANALYSIS REQUESTED (ENTER % BELOW TO INDICATE REQUEST)		LAB USE ONLY	
Phone 631-447-6400	Fax 631-447-6497	EPA METHOD 8270 (TCL) EPA METHOD 6010 (As Hg)		Job No: 111066	
Sample Identification A1	Date 3/24/16	Time 1000	Matrix S	No. of 1	Sample Numbers 1
 <p>460-111006 Chain of Custody</p>					
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other WUPHES , 7 = Other _____					
Soil: 6 Water: 6					
Special Instructions CHADWIN B. DELINQUENTS					
Relinquished by Stephanie	Company EAR	Date / Time 3/24/16 1325	Received by [Signature]	Company [Signature]	Water Metals Filtered (Yes/No)?
Relinquished by [Signature]	Company F.V.A.	Date / Time 3/24/16 1200	Received by [Signature]	Company 3/24	
Relinquished by	Company	Date / Time	Received by	Company	
Relinquished by	Company	Date / Time	Received by	Company	

111006

[illegible]

CONNECTED		N/A		CONNECTED		N/A		
Cooler #1:	15 °C	20 °C		Cooler #4:	°C		Cooler #7:	°C
Cooler #2:	°C	°C		Cooler #5:	°C		Cooler #8:	°C
Cooler #3:	°C	°C		Cooler #6:	°C		Cooler #9:	°C

CONNECTED		N/A		CONNECTED		N/A		
Cooler #1:	15 °C	20 °C		Cooler #4:	°C		Cooler #7:	°C
Cooler #2:	°C	°C		Cooler #5:	°C		Cooler #8:	°C
Cooler #3:	°C	°C		Cooler #6:	°C		Cooler #9:	°C

[illegible]

Volume of Preservative used (ml): _____

Expiration Date: _____

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Date: 3/25/6

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-111006-1

Login Number: 111006

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0 ° C IR #6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.