

ANALYTICAL REPORT

Job Number: 460-109447-1

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.
Melissa Haas
Project Manager I
5/19/2016 2:33 PM

Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
05/19/2016
Revision: 1

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Job Number: 460-109447-1

Job Description: DEC Elmont546; Site: E130150

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

Approved for release.
Melissa Haas
Project Manager I
5/19/2016 2:33 PM

Melissa Haas

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Elmont546; Site: E130150

**Report Number: 460-109447-1
Revised Report #1**

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

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

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

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

REVISION #1

The following report required a revision: 460-109447-1. Details are as follows: The client requested that ICVs be reported for SVOC analysis.

RECEIPT

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

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

SEMIVOLATILE ORGANIC COMPOUNDS

Samples A1 (460-109447-1) and A2 (460-109447-2) were analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 02/27/2016 and analyzed on 02/29/2016.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples A1 (460-109447-1) and A2 (460-109447-2) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 02/26/2016 and analyzed on 02/27/2016.

Antimony failed the recovery criteria low for the MS of sample 460-109370-1 in batch 460-352913. Aluminum, Iron and Manganese failed the recovery criteria high. The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Arsenic and Lead exceeded the RPD limit for the duplicate of sample 460-109370-1.

Refer to the QC report for details.

Samples A1 (460-109447-1)[4X] and A2 (460-109447-2)[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

Samples A1 (460-109447-1) and A2 (460-109447-2) were analyzed for percent solids/percent moisture in accordance with EPA Method

CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 02/26/2016.

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: 460-109447-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-109447-1	A1	Solid	02/26/16 11:45	02/26/16 17:40
460-109447-2	A2	Solid	02/26/16 11:50	02/26/16 17:40

Detection Summary

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

TestAmerica Job ID: 460-109447-1

Client Sample ID: A1

Lab Sample ID: 460-109447-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	110		35	29	ug/Kg	1	☼		8270D	Total/NA
Benzo[a]pyrene	120		35	11	ug/Kg	1	☼		8270D	Total/NA
Benzo[b]fluoranthene	170		35	14	ug/Kg	1	☼		8270D	Total/NA
Benzo[g,h,i]perylene	100	J	350	20	ug/Kg	1	☼		8270D	Total/NA
Benzo[k]fluoranthene	65		35	15	ug/Kg	1	☼		8270D	Total/NA
Chrysene	130	J	350	9.5	ug/Kg	1	☼		8270D	Total/NA
Dibenz(a,h)anthracene	21	J	35	18	ug/Kg	1	☼		8270D	Total/NA
Fluoranthene	150	J	350	10	ug/Kg	1	☼		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	130		35	23	ug/Kg	1	☼		8270D	Total/NA
Phenanthrene	47	J	350	9.3	ug/Kg	1	☼		8270D	Total/NA
Pyrene	150	J	350	16	ug/Kg	1	☼		8270D	Total/NA
Aluminum	3610		31.7	16.3	mg/Kg	4	☼		6010C	Total/NA
Arsenic	1.2	J	2.4	0.78	mg/Kg	4	☼		6010C	Total/NA
Barium	104		31.7	1.1	mg/Kg	4	☼		6010C	Total/NA
Calcium	407	J	792	46.9	mg/Kg	4	☼		6010C	Total/NA
Chromium	6.1		1.6	0.77	mg/Kg	4	☼		6010C	Total/NA
Cobalt	2.3	J	7.9	0.91	mg/Kg	4	☼		6010C	Total/NA
Copper	5.9		4.0	1.0	mg/Kg	4	☼		6010C	Total/NA
Iron	6490		23.8	17.9	mg/Kg	4	☼		6010C	Total/NA
Lead	913		1.6	0.62	mg/Kg	4	☼		6010C	Total/NA
Magnesium	552	J	792	39.5	mg/Kg	4	☼		6010C	Total/NA
Manganese	162		2.4	0.83	mg/Kg	4	☼		6010C	Total/NA
Nickel	8.6		6.3	1.2	mg/Kg	4	☼		6010C	Total/NA
Potassium	195	J	792	24.0	mg/Kg	4	☼		6010C	Total/NA
Vanadium	6.7	J	7.9	0.79	mg/Kg	4	☼		6010C	Total/NA
Zinc	44.5		4.8	1.2	mg/Kg	4	☼		6010C	Total/NA

Client Sample ID: A2

Lab Sample ID: 460-109447-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	9.1	J	350	7.8	ug/Kg	1	☼		8270D	Total/NA
Benzo[a]anthracene	74		35	30	ug/Kg	1	☼		8270D	Total/NA
Benzo[a]pyrene	73		35	11	ug/Kg	1	☼		8270D	Total/NA
Benzo[b]fluoranthene	110		35	14	ug/Kg	1	☼		8270D	Total/NA
Benzo[g,h,i]perylene	70	J	350	20	ug/Kg	1	☼		8270D	Total/NA
Benzo[k]fluoranthene	40		35	15	ug/Kg	1	☼		8270D	Total/NA
Chrysene	81	J	350	9.7	ug/Kg	1	☼		8270D	Total/NA
Dibenz(a,h)anthracene	24	J	35	18	ug/Kg	1	☼		8270D	Total/NA
Fluoranthene	100	J	350	11	ug/Kg	1	☼		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	81		35	24	ug/Kg	1	☼		8270D	Total/NA
Phenanthrene	32	J	350	9.5	ug/Kg	1	☼		8270D	Total/NA
Pyrene	99	J	350	16	ug/Kg	1	☼		8270D	Total/NA
Aluminum	4240		35.4	18.2	mg/Kg	4	☼		6010C	Total/NA
Arsenic	1.5	J	2.7	0.87	mg/Kg	4	☼		6010C	Total/NA
Barium	24.2	J	35.4	1.3	mg/Kg	4	☼		6010C	Total/NA
Calcium	747	J	885	52.4	mg/Kg	4	☼		6010C	Total/NA
Chromium	7.3		1.8	0.86	mg/Kg	4	☼		6010C	Total/NA
Cobalt	3.2	J	8.8	1.0	mg/Kg	4	☼		6010C	Total/NA
Copper	8.1		4.4	1.1	mg/Kg	4	☼		6010C	Total/NA
Iron	8430		26.5	20.0	mg/Kg	4	☼		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Detection Summary

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

TestAmerica Job ID: 460-109447-1

Client Sample ID: A2 (Continued) Lab Sample ID: 460-109447-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	18.1		1.8	0.69	mg/Kg	4		☼	6010C	Total/NA
Magnesium	709	J	885	44.1	mg/Kg	4		☼	6010C	Total/NA
Manganese	278		2.7	0.93	mg/Kg	4		☼	6010C	Total/NA
Nickel	13.5		7.1	1.3	mg/Kg	4		☼	6010C	Total/NA
Potassium	181	J	885	26.8	mg/Kg	4		☼	6010C	Total/NA
Vanadium	7.5	J	8.8	0.88	mg/Kg	4		☼	6010C	Total/NA
Zinc	25.6		5.3	1.3	mg/Kg	4		☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

TestAmerica Job ID: 460-109447-1

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: 460-109447-1

Client Sample ID: A1

Date Collected: 02/26/16 11:45

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109447-1

Matrix: Solid

Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	350	U	350	30	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
1,2,4,5-Tetrachlorobenzene	350	U	350	26	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,2'-oxybis[1-chloropropane]	350	U *	350	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,3,4,6-Tetrachlorophenol	350	U	350	33	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,4,5-Trichlorophenol	350	U	350	35	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,4,6-Trichlorophenol	140	U	140	9.9	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,4-Dichlorophenol	140	U	140	8.3	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,4-Dimethylphenol	350	U	350	77	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,4-Dinitrophenol	280	U	280	260	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,4-Dinitrotoluene	71	U	71	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2,6-Dinitrotoluene	71	U	71	19	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2-Chloronaphthalene	350	U	350	7.9	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2-Chlorophenol	350	U	350	8.9	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2-Methylnaphthalene	350	U	350	7.7	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2-Methylphenol	350	U	350	15	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2-Nitroaniline	350	U	350	12	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
2-Nitrophenol	350	U	350	12	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
4,6-Dinitro-2-methylphenol	280	U	280	93	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
4-Chloro-3-methylphenol	350	U	350	15	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
4-Chloroaniline	350	U	350	9.0	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
4-Chlorophenyl phenyl ether	350	U	350	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
4-Methylphenol	350	U	350	9.5	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
4-Nitrophenol	710	U	710	170	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Acenaphthene	350	U	350	8.5	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Acenaphthylene	350	U	350	9.0	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Acetophenone	350	U	350	7.6	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Anthracene	350	U	350	33	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Atrazine	140	U	140	16	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Benzaldehyde	350	U	350	27	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Benzo[a]anthracene	110		35	29	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Benzo[a]pyrene	120		35	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Benzo[b]fluoranthene	170		35	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Benzo[g,h,i]perylene	100	J	350	20	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Benzo[k]fluoranthene	65		35	15	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Bis(2-chloroethyl)ether	35	U	35	8.3	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Bis(2-ethylhexyl) phthalate	350	U	350	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Caprolactam	350	U	350	25	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Carbazole	350	U	350	8.7	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Chrysene	130	J	350	9.5	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Dibenz(a,h)anthracene	21	J	35	18	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Dibenzofuran	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Diethyl phthalate	350	U	350	9.9	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-109447-1

Client Sample ID: A1

Date Collected: 02/26/16 11:45

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109447-1

Matrix: Solid

Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	350	U	350	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Fluoranthene	150	J	350	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Fluorene	350	U	350	7.6	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Hexachlorobutadiene	71	U	71	9.8	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Indeno[1,2,3-cd]pyrene	130		35	23	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Isophorone	140	U	140	7.5	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Naphthalene	350	U	350	8.9	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Pentachlorophenol	280	U	280	42	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Phenanthrene	47	J	350	9.3	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Phenol	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1
Pyrene	150	J	350	16	ug/Kg	☼	02/27/16 13:26	02/29/16 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		10 - 95	02/27/16 13:26	02/29/16 07:01	1
2-Fluorobiphenyl	75		27 - 84	02/27/16 13:26	02/29/16 07:01	1
2-Fluorophenol (Surr)	62		21 - 84	02/27/16 13:26	02/29/16 07:01	1
Nitrobenzene-d5 (Surr)	73		28 - 92	02/27/16 13:26	02/29/16 07:01	1
Phenol-d5 (Surr)	67		22 - 88	02/27/16 13:26	02/29/16 07:01	1
Terphenyl-d14 (Surr)	97		16 - 114	02/27/16 13:26	02/29/16 07:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3610		31.7	16.3	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Antimony	3.2	U	3.2	1.3	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Arsenic	1.2	J	2.4	0.78	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Barium	104		31.7	1.1	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Beryllium	0.32	U	0.32	0.27	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Cadmium	0.63	U	0.63	0.33	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Calcium	407	J	792	46.9	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Chromium	6.1		1.6	0.77	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Cobalt	2.3	J	7.9	0.91	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Copper	5.9		4.0	1.0	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Iron	6490		23.8	17.9	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Lead	913		1.6	0.62	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Magnesium	552	J	792	39.5	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Manganese	162		2.4	0.83	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Nickel	8.6		6.3	1.2	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Potassium	195	J	792	24.0	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Selenium	3.2	U	3.2	1.1	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Silver	1.6	U	1.6	0.28	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Sodium	792	U	792	53.7	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Thallium	3.2	U	3.2	1.4	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4
Vanadium	6.7	J	7.9	0.79	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-109447-1

Client Sample ID: A1

Date Collected: 02/26/16 11:45

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109447-1

Matrix: Solid

Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	44.5		4.8	1.2	mg/Kg	☼	02/26/16 22:00	02/27/16 13:59	4

Client Sample ID: A2

Date Collected: 02/26/16 11:50

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109447-2

Matrix: Solid

Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	350	U	350	30	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
1,2,4,5-Tetrachlorobenzene	350	U	350	26	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,2'-oxybis[1-chloropropane]	350	U *	350	15	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,3,4,6-Tetrachlorophenol	350	U	350	33	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,4,5-Trichlorophenol	350	U	350	35	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,4,6-Trichlorophenol	140	U	140	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,4-Dichlorophenol	140	U	140	8.4	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,4-Dimethylphenol	350	U	350	78	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,4-Dinitrophenol	290	U	290	270	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,4-Dinitrotoluene	72	U	72	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2,6-Dinitrotoluene	72	U	72	19	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2-Chloronaphthalene	350	U	350	8.1	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2-Chlorophenol	350	U	350	9.0	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2-Methylnaphthalene	9.1	J	350	7.8	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2-Methylphenol	350	U	350	15	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2-Nitroaniline	350	U	350	12	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
2-Nitrophenol	350	U	350	12	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
3,3'-Dichlorobenzidine	140	U	140	40	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
3-Nitroaniline	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
4,6-Dinitro-2-methylphenol	290	U	290	95	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
4-Chloro-3-methylphenol	350	U	350	15	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
4-Chloroaniline	350	U	350	9.1	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
4-Chlorophenyl phenyl ether	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
4-Methylphenol	350	U	350	9.7	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
4-Nitrophenol	720	U	720	170	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Acenaphthene	350	U	350	8.6	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Acenaphthylene	350	U	350	9.1	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Acetophenone	350	U	350	7.7	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Anthracene	350	U	350	34	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Atrazine	140	U	140	16	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Benzaldehyde	350	U	350	27	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Benzo[a]anthracene	74		35	30	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Benzo[a]pyrene	73		35	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Benzo[b]fluoranthene	110		35	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Benzo[g,h,i]perylene	70	J	350	20	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Benzo[k]fluoranthene	40		35	15	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Bis(2-chloroethyl)ether	35	U	35	8.4	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Bis(2-ethylhexyl) phthalate	350	U	350	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-109447-1

Client Sample ID: A2

Date Collected: 02/26/16 11:50

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109447-2

Matrix: Solid

Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	350	U	350	26	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Carbazole	350	U	350	8.8	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Chrysene	81	J	350	9.7	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Dibenz(a,h)anthracene	24	J	35	18	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Dibenzofuran	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Diethyl phthalate	350	U	350	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Di-n-butyl phthalate	350	U	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Fluoranthene	100	J	350	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Fluorene	350	U	350	7.7	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Hexachlorobutadiene	72	U	72	10	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Indeno[1,2,3-cd]pyrene	81		35	24	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Isophorone	140	U	140	7.6	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Naphthalene	350	U	350	9.0	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Pentachlorophenol	290	U	290	43	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Phenanthrene	32	J	350	9.5	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Phenol	350	U	350	12	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1
Pyrene	99	J	350	16	ug/Kg	☼	02/27/16 13:26	02/29/16 07:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	65		10 - 95	02/27/16 13:26	02/29/16 07:24	1
2-Fluorobiphenyl	70		27 - 84	02/27/16 13:26	02/29/16 07:24	1
2-Fluorophenol (Surr)	60		21 - 84	02/27/16 13:26	02/29/16 07:24	1
Nitrobenzene-d5 (Surr)	68		28 - 92	02/27/16 13:26	02/29/16 07:24	1
Phenol-d5 (Surr)	64		22 - 88	02/27/16 13:26	02/29/16 07:24	1
Terphenyl-d14 (Surr)	91		16 - 114	02/27/16 13:26	02/29/16 07:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4240		35.4	18.2	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Antimony	3.5	U	3.5	1.4	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Arsenic	1.5	J	2.7	0.87	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Barium	24.2	J	35.4	1.3	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Beryllium	0.35	U	0.35	0.30	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Cadmium	0.71	U	0.71	0.37	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Calcium	747	J	885	52.4	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Chromium	7.3		1.8	0.86	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Cobalt	3.2	J	8.8	1.0	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Copper	8.1		4.4	1.1	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Iron	8430		26.5	20.0	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Lead	18.1		1.8	0.69	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Magnesium	709	J	885	44.1	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Manganese	278		2.7	0.93	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-109447-1

Client Sample ID: A2

Date Collected: 02/26/16 11:50

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109447-2

Matrix: Solid

Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	13.5		7.1	1.3	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Potassium	181	J	885	26.8	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Selenium	3.5	U	3.5	1.2	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Silver	1.8	U	1.8	0.31	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Sodium	885	U	885	59.9	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Thallium	3.5	U	3.5	1.6	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Vanadium	7.5	J	8.8	0.88	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4
Zinc	25.6		5.3	1.3	mg/Kg	☼	02/26/16 22:00	02/27/16 14:03	4

Surrogate Summary

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

TestAmerica Job ID: 460-109447-1

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)
460-109399-E-4-A MS	Matrix Spike	70	66	57	65	63	78
460-109399-E-4-B MSD	Matrix Spike Duplicate	93	84	73	82	81	103
460-109447-1	A1	62	75	62	73	67	97
460-109447-2	A2	65	70	60	68	64	91
LCS 460-352903/2-A	Lab Control Sample	101 *	83	72	80	74	95
LCS 460-352903/3-A	Lab Control Sample	102 *	86 *	77	85	79	110
MB 460-352903/1-A	Method Blank	91	69	66	70	70	86

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: 460-109447-1

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

Lab Sample ID: MB 460-352903/1-A

Matrix: Solid

Analysis Batch: 353092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 352903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	330	U	330	28	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
1,2,4,5-Tetrachlorobenzene	330	U	330	25	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,2'-oxybis[1-chloropropane]	330	U	330	14	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,3,4,6-Tetrachlorophenol	330	U	330	31	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,4,5-Trichlorophenol	330	U	330	33	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,4,6-Trichlorophenol	130	U	130	9.4	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,4-Dichlorophenol	130	U	130	7.8	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,4-Dimethylphenol	330	U	330	73	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,4-Dinitrophenol	270	U	270	250	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2-Chlorophenol	330	U	330	8.4	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2-Methylphenol	330	U	330	14	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2-Nitroaniline	330	U	330	11	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
2-Nitrophenol	330	U	330	11	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
4,6-Dinitro-2-methylphenol	270	U	270	88	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
4-Chloro-3-methylphenol	330	U	330	14	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
4-Methylphenol	330	U	330	9.0	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
4-Nitroaniline	330	U	330	13	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
4-Nitrophenol	670	U	670	160	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Acenaphthene	330	U	330	8.0	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Acenaphthylene	330	U	330	8.5	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Acetophenone	330	U	330	7.2	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Anthracene	330	U	330	31	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Atrazine	130	U	130	15	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Benzaldehyde	330	U	330	25	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Caprolactam	330	U	330	24	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Carbazole	330	U	330	8.2	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Chrysene	330	U	330	9.0	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Dibenzofuran	330	U	330	10	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		02/27/16 13:26	02/29/16 15:26	1

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

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

Lab Sample ID: MB 460-352903/1-A

Matrix: Solid

Analysis Batch: 353092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 352903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	330	U	330	9.6	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Fluoranthene	330	U	330	9.8	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Fluorene	330	U	330	7.2	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Hexachlorobenzene	33	U	33	13	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Hexachloroethane	33	U	33	12	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Isophorone	130	U	130	7.1	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Naphthalene	330	U	330	8.4	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Nitrobenzene	33	U	33	10	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Pentachlorophenol	270	U	270	40	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Phenanthrene	330	U	330	8.8	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Phenol	330	U	330	11	ug/Kg		02/27/16 13:26	02/29/16 15:26	1
Pyrene	330	U	330	15	ug/Kg		02/27/16 13:26	02/29/16 15:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		10 - 95	02/27/16 13:26	02/29/16 15:26	1
2-Fluorobiphenyl	69		27 - 84	02/27/16 13:26	02/29/16 15:26	1
2-Fluorophenol (Surr)	66		21 - 84	02/27/16 13:26	02/29/16 15:26	1
Nitrobenzene-d5 (Surr)	70		28 - 92	02/27/16 13:26	02/29/16 15:26	1
Phenol-d5 (Surr)	70		22 - 88	02/27/16 13:26	02/29/16 15:26	1
Terphenyl-d14 (Surr)	86		16 - 114	02/27/16 13:26	02/29/16 15:26	1

Lab Sample ID: LCS 460-352903/2-A

Matrix: Solid

Analysis Batch: 353092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 352903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3330	2880		ug/Kg		86	64 - 103
1,2,4,5-Tetrachlorobenzene	3330	3180		ug/Kg		95	62 - 109
2,2'-oxybis[1-chloropropane]	3330	1320	*	ug/Kg		40	42 - 119
2,3,4,6-Tetrachlorophenol	3330	2960		ug/Kg		89	57 - 113
2,4,5-Trichlorophenol	3330	2940		ug/Kg		88	59 - 105
2,4,6-Trichlorophenol	3330	2870		ug/Kg		86	61 - 107
2,4-Dichlorophenol	3330	2880		ug/Kg		86	59 - 99
2,4-Dimethylphenol	3330	2820		ug/Kg		85	60 - 98
2,4-Dinitrophenol	6670	5460		ug/Kg		82	26 - 137
2,4-Dinitrotoluene	3330	2730		ug/Kg		82	61 - 118
2,6-Dinitrotoluene	3330	2870		ug/Kg		86	63 - 112
2-Chloronaphthalene	3330	2870		ug/Kg		86	63 - 102
2-Chlorophenol	3330	2710		ug/Kg		81	58 - 95
2-Methylnaphthalene	3330	2900		ug/Kg		87	64 - 102
2-Methylphenol	3330	2610		ug/Kg		78	56 - 99

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

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

Lab Sample ID: LCS 460-352903/2-A

Matrix: Solid

Analysis Batch: 353092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 352903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	3330	2350		ug/Kg		70	46 - 113
2-Nitrophenol	3330	2980		ug/Kg		89	63 - 103
3,3'-Dichlorobenzidine	3330	1590		ug/Kg		48	18 - 92
3-Nitroaniline	3330	1280		ug/Kg		38	23 - 89
4,6-Dinitro-2-methylphenol	6670	6930		ug/Kg		104	51 - 124
4-Bromophenyl phenyl ether	3330	3690		ug/Kg		111	65 - 114
4-Chloro-3-methylphenol	3330	3040		ug/Kg		91	58 - 108
4-Chloroaniline	3330	1080		ug/Kg		32	10 - 82
4-Chlorophenyl phenyl ether	3330	3020		ug/Kg		91	63 - 107
4-Methylphenol	3330	2610		ug/Kg		78	53 - 103
4-Nitroaniline	3330	2140		ug/Kg		64	44 - 109
4-Nitrophenol	6670	4870		ug/Kg		73	45 - 125
Acenaphthene	3330	2610		ug/Kg		78	59 - 102
Acenaphthylene	3330	2820		ug/Kg		85	63 - 102
Acetophenone	3330	2850		ug/Kg		86	56 - 107
Anthracene	3330	3170		ug/Kg		95	66 - 105
Benzo[a]anthracene	3330	2960		ug/Kg		89	65 - 106
Benzo[a]pyrene	3330	3270		ug/Kg		98	68 - 111
Benzo[b]fluoranthene	3330	3250		ug/Kg		97	67 - 116
Benzo[g,h,i]perylene	3330	3650		ug/Kg		110	49 - 124
Benzo[k]fluoranthene	3330	3050		ug/Kg		92	65 - 114
Bis(2-chloroethoxy)methane	3330	2870		ug/Kg		86	61 - 102
Bis(2-chloroethyl)ether	3330	2590		ug/Kg		78	58 - 102
Bis(2-ethylhexyl) phthalate	3330	3140		ug/Kg		94	60 - 125
Butyl benzyl phthalate	3330	3140		ug/Kg		94	62 - 123
Carbazole	3330	2880		ug/Kg		86	62 - 107
Chrysene	3330	3180		ug/Kg		96	64 - 105
Dibenz(a,h)anthracene	3330	3700		ug/Kg		111	54 - 126
Dibenzofuran	3330	2840		ug/Kg		85	62 - 102
Diethyl phthalate	3330	2940		ug/Kg		88	61 - 110
Dimethyl phthalate	3330	2900		ug/Kg		87	64 - 108
Di-n-butyl phthalate	3330	3210		ug/Kg		96	62 - 114
Di-n-octyl phthalate	3330	3250		ug/Kg		97	52 - 137
Fluoranthene	3330	3100		ug/Kg		93	59 - 109
Fluorene	3330	2830		ug/Kg		85	65 - 108
Hexachlorobenzene	3330	3610		ug/Kg		108	65 - 117
Hexachlorobutadiene	3330	3300		ug/Kg		99	60 - 105
Hexachlorocyclopentadiene	3330	3130		ug/Kg		94	37 - 119
Hexachloroethane	3330	2670		ug/Kg		80	60 - 94
Indeno[1,2,3-cd]pyrene	3330	3930		ug/Kg		118	50 - 134
Isophorone	3330	2850		ug/Kg		86	60 - 102
Naphthalene	3330	2870		ug/Kg		86	64 - 99
Nitrobenzene	3330	2710		ug/Kg		81	59 - 102
N-Nitrosodi-n-propylamine	3330	2580		ug/Kg		78	56 - 112
N-Nitrosodiphenylamine	3330	3260		ug/Kg		98	71 - 119
Pentachlorophenol	6670	6650		ug/Kg		100	47 - 115
Phenanthrene	3330	3070		ug/Kg		92	66 - 105
Phenol	3330	2640		ug/Kg		79	55 - 99

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

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

Lab Sample ID: LCS 460-352903/2-A

Matrix: Solid

Analysis Batch: 353092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 352903

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	101	*	10 - 95
2-Fluorobiphenyl	83		27 - 84
2-Fluorophenol (Surr)	72		21 - 84
Nitrobenzene-d5 (Surr)	80		28 - 92
Phenol-d5 (Surr)	74		22 - 88
Terphenyl-d14 (Surr)	95		16 - 114

Lab Sample ID: LCS 460-352903/3-A

Matrix: Solid

Analysis Batch: 353092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 352903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6670	7130		ug/Kg		107	41 - 116
Benzaldehyde	6670	5510		ug/Kg		83	55 - 116
Caprolactam	6670	6750		ug/Kg		101	44 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	102	*	10 - 95
2-Fluorobiphenyl	86	*	27 - 84
2-Fluorophenol (Surr)	77		21 - 84
Nitrobenzene-d5 (Surr)	85		28 - 92
Phenol-d5 (Surr)	79		22 - 88
Terphenyl-d14 (Surr)	110		16 - 114

Lab Sample ID: 460-109399-E-4-A MS

Matrix: Solid

Analysis Batch: 353016

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 352903

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	360	U	3630	2450		ug/Kg	☼	68	64 - 103
1,2,4,5-Tetrachlorobenzene	360	U	3630	2740		ug/Kg	☼	75	62 - 109
2,2'-oxybis[1-chloropropane]	360	U *	3630	1240	*	ug/Kg	☼	34	42 - 119
2,3,4,6-Tetrachlorophenol	360	U	3630	1810	*	ug/Kg	☼	50	57 - 113
2,4,5-Trichlorophenol	360	U	3630	1930	*	ug/Kg	☼	53	59 - 105
2,4,6-Trichlorophenol	140	U	3630	2170	*	ug/Kg	☼	60	61 - 107
2,4-Dichlorophenol	140	U	3630	2350		ug/Kg	☼	65	59 - 99
2,4-Dimethylphenol	360	U	3630	2510		ug/Kg	☼	69	60 - 98
2,4-Dinitrophenol	290	U	7260	331	*	ug/Kg	☼	5	26 - 137
2,4-Dinitrotoluene	73	U	3630	2520		ug/Kg	☼	69	61 - 118
2,6-Dinitrotoluene	73	U	3630	2570		ug/Kg	☼	71	63 - 112
2-Chloronaphthalene	360	U	3630	2500		ug/Kg	☼	69	63 - 102
2-Chlorophenol	360	U	3630	2380		ug/Kg	☼	66	58 - 95
2-Methylnaphthalene	220	J	3630	2690		ug/Kg	☼	68	64 - 102
2-Methylphenol	360	U	3630	2360		ug/Kg	☼	65	56 - 99
2-Nitroaniline	360	U	3630	2090		ug/Kg	☼	57	46 - 113

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

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

Lab Sample ID: 460-109399-E-4-A MS

Matrix: Solid

Analysis Batch: 353016

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 352903

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitrophenol	360	U	3630	1740	*	ug/Kg	☼	48	63 - 103
3,3'-Dichlorobenzidine	140	U	3630	1810		ug/Kg	☼	50	18 - 92
3-Nitroaniline	360	U	3630	1640		ug/Kg	☼	45	23 - 89
4,6-Dinitro-2-methylphenol	290	U	7260	1180	*	ug/Kg	☼	16	51 - 124
4-Bromophenyl phenyl ether	360	U	3630	3130		ug/Kg	☼	86	65 - 114
4-Chloro-3-methylphenol	360	U	3630	2710		ug/Kg	☼	75	58 - 108
4-Chloroaniline	360	U	3630	983		ug/Kg	☼	27	10 - 82
4-Chlorophenyl phenyl ether	360	U	3630	2710		ug/Kg	☼	75	63 - 107
4-Methylphenol	360	U	3630	2600		ug/Kg	☼	72	53 - 103
4-Nitroaniline	360	U	3630	2000		ug/Kg	☼	55	44 - 109
4-Nitrophenol	730	U	7260	3320		ug/Kg	☼	46	45 - 125
Acenaphthene	44	J	3630	2390		ug/Kg	☼	65	59 - 102
Acenaphthylene	360	U	3630	2530		ug/Kg	☼	70	63 - 102
Acetophenone	360	U	3630	2700		ug/Kg	☼	74	56 - 107
Anthracene	79	J	3630	2810		ug/Kg	☼	75	66 - 105
Atrazine	140	U	7260	6000		ug/Kg	☼	83	41 - 116
Benzaldehyde	360	U	7260	4290		ug/Kg	☼	59	55 - 116
Benzo[a]anthracene	210		3630	2810		ug/Kg	☼	72	65 - 106
Benzo[a]pyrene	190		3630	3000		ug/Kg	☼	77	68 - 111
Benzo[b]fluoranthene	280		3630	3130		ug/Kg	☼	79	67 - 116
Benzo[g,h,i]perylene	120	J	3630	3020		ug/Kg	☼	80	49 - 124
Benzo[k]fluoranthene	92		3630	2870		ug/Kg	☼	77	65 - 114
Bis(2-chloroethoxy)methane	360	U	3630	2540		ug/Kg	☼	70	61 - 102
Bis(2-chloroethyl)ether	36	U	3630	2310		ug/Kg	☼	64	58 - 102
Bis(2-ethylhexyl) phthalate	360	U	3630	2680		ug/Kg	☼	74	60 - 125
Butyl benzyl phthalate	360	U	3630	2730		ug/Kg	☼	75	62 - 123
Caprolactam	360	U	7260	3650		ug/Kg	☼	50	44 - 129
Carbazole	42	J	3630	2510		ug/Kg	☼	68	62 - 107
Chrysene	220	J	3630	3010		ug/Kg	☼	77	64 - 105
Dibenz(a,h)anthracene	36		3630	2970		ug/Kg	☼	81	54 - 126
Dibenzofuran	17	J	3630	2540		ug/Kg	☼	69	62 - 102
Diethyl phthalate	360	U	3630	2690		ug/Kg	☼	74	61 - 110
Dimethyl phthalate	360	U	3630	2630		ug/Kg	☼	72	64 - 108
Di-n-butyl phthalate	360	U	3630	2750		ug/Kg	☼	76	62 - 114
Di-n-octyl phthalate	360	U	3630	2890		ug/Kg	☼	80	52 - 137
Fluoranthene	510		3630	3230		ug/Kg	☼	75	59 - 109
Fluorene	39	J	3630	2590		ug/Kg	☼	70	65 - 108
Hexachlorobenzene	36	U	3630	3100		ug/Kg	☼	85	65 - 117
Hexachlorobutadiene	73	U	3630	2870		ug/Kg	☼	79	60 - 105
Hexachlorocyclopentadiene	360	U	3630	2490		ug/Kg	☼	69	37 - 119
Hexachloroethane	36	U	3630	2400		ug/Kg	☼	66	60 - 94
Indeno[1,2,3-cd]pyrene	140		3630	3320		ug/Kg	☼	87	50 - 134
Isophorone	140	U	3630	2560		ug/Kg	☼	70	60 - 102
Naphthalene	59	J	3630	2610		ug/Kg	☼	70	64 - 99
Nitrobenzene	36	U	3630	2340		ug/Kg	☼	64	59 - 102
N-Nitrosodi-n-propylamine	36	U	3630	2390		ug/Kg	☼	66	56 - 112
N-Nitrosodiphenylamine	360	U	3630	2770		ug/Kg	☼	76	71 - 119
Pentachlorophenol	290	U	7260	1950	*	ug/Kg	☼	27	47 - 115

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

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

Lab Sample ID: 460-109399-E-4-A MS

Matrix: Solid

Analysis Batch: 353016

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 352903

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	370		3630	3110		ug/Kg	☼	76	66 - 105
Phenol	360	U	3630	2360		ug/Kg	☼	65	55 - 99
Pyrene	390		3630	3020		ug/Kg	☼	73	55 - 126
Surrogate	MS %Recovery	MS Qualifier	Limits						
2,4,6-Tribromophenol (Surr)	70		10 - 95						
2-Fluorobiphenyl	66		27 - 84						
2-Fluorophenol (Surr)	57		21 - 84						
Nitrobenzene-d5 (Surr)	65		28 - 92						
Phenol-d5 (Surr)	63		22 - 88						
Terphenyl-d14 (Surr)	78		16 - 114						

Lab Sample ID: 460-109399-E-4-B MSD

Matrix: Solid

Analysis Batch: 353016

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 352903

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	360	U	3630	3160		ug/Kg	☼	87	64 - 103	25	30
1,2,4,5-Tetrachlorobenzene	360	U	3630	3470		ug/Kg	☼	96	62 - 109	24	30
2,2'-oxybis[1-chloropropane]	360	U *	3630	1530		ug/Kg	☼	42	42 - 119	21	30
2,3,4,6-Tetrachlorophenol	360	U	3630	2280		ug/Kg	☼	63	57 - 113	23	30
2,4,5-Trichlorophenol	360	U	3630	2490		ug/Kg	☼	68	59 - 105	25	30
2,4,6-Trichlorophenol	140	U	3630	2740		ug/Kg	☼	75	61 - 107	23	30
2,4-Dichlorophenol	140	U	3630	3030		ug/Kg	☼	83	59 - 99	25	30
2,4-Dimethylphenol	360	U	3630	3220		ug/Kg	☼	89	60 - 98	25	30
2,4-Dinitrophenol	290	U	7270	392	*	ug/Kg	☼	5	26 - 137	17	30
2,4-Dinitrotoluene	73	U	3630	3420		ug/Kg	☼	94	61 - 118	30	30
2,6-Dinitrotoluene	73	U	3630	3440		ug/Kg	☼	95	63 - 112	29	30
2-Chloronaphthalene	360	U	3630	3180		ug/Kg	☼	87	63 - 102	24	30
2-Chlorophenol	360	U	3630	2990		ug/Kg	☼	82	58 - 95	23	30
2-Methylnaphthalene	220	J	3630	3480		ug/Kg	☼	90	64 - 102	26	30
2-Methylphenol	360	U	3630	3100		ug/Kg	☼	85	56 - 99	27	30
2-Nitroaniline	360	U	3630	2760		ug/Kg	☼	76	46 - 113	28	30
2-Nitrophenol	360	U	3630	2100	*	ug/Kg	☼	58	63 - 103	19	30
3,3'-Dichlorobenzidine	140	U	3630	2340		ug/Kg	☼	65	18 - 92	26	30
3-Nitroaniline	360	U	3630	2250	*	ug/Kg	☼	62	23 - 89	31	30
4,6-Dinitro-2-methylphenol	290	U	7270	1370	*	ug/Kg	☼	19	51 - 124	15	30
4-Bromophenyl phenyl ether	360	U	3630	4040		ug/Kg	☼	111	65 - 114	25	30
4-Chloro-3-methylphenol	360	U	3630	3570		ug/Kg	☼	98	58 - 108	27	30
4-Chloroaniline	360	U	3630	1380	*	ug/Kg	☼	38	10 - 82	33	30
4-Chlorophenyl phenyl ether	360	U	3630	3530		ug/Kg	☼	97	63 - 107	26	30
4-Methylphenol	360	U	3630	3360		ug/Kg	☼	93	53 - 103	26	30
4-Nitroaniline	360	U	3630	2780	*	ug/Kg	☼	77	44 - 109	33	30
4-Nitrophenol	730	U	7270	4460		ug/Kg	☼	61	45 - 125	29	30
Acenaphthene	44	J	3630	3070		ug/Kg	☼	83	59 - 102	25	30
Acenaphthylene	360	U	3630	3250		ug/Kg	☼	89	63 - 102	25	30
Acetophenone	360	U	3630	3480		ug/Kg	☼	96	56 - 107	25	30
Anthracene	79	J	3630	3670		ug/Kg	☼	99	66 - 105	26	30

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

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

Lab Sample ID: 460-109399-E-4-B MSD

Matrix: Solid

Analysis Batch: 353016

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 352903

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	140	U	7270	7950		ug/Kg	☀	109	41 - 116	28	30
Benzaldehyde	360	U	7270	5360		ug/Kg	☀	74	55 - 116	22	30
Benzo[a]anthracene	210		3630	3560		ug/Kg	☀	92	65 - 106	23	30
Benzo[a]pyrene	190		3630	3820		ug/Kg	☀	100	68 - 111	24	30
Benzo[b]fluoranthene	280		3630	3980		ug/Kg	☀	102	67 - 116	24	30
Benzo[g,h,i]perylene	120	J	3630	3790		ug/Kg	☀	101	49 - 124	22	30
Benzo[k]fluoranthene	92		3630	3820		ug/Kg	☀	103	65 - 114	28	30
Bis(2-chloroethoxy)methane	360	U	3630	3290		ug/Kg	☀	91	61 - 102	26	30
Bis(2-chloroethyl)ether	36	U	3630	3060		ug/Kg	☀	84	58 - 102	28	30
Bis(2-ethylhexyl) phthalate	360	U	3630	3550		ug/Kg	☀	98	60 - 125	28	30
Butyl benzyl phthalate	360	U	3630	3620		ug/Kg	☀	100	62 - 123	28	30
Caprolactam	360	U	7270	4430		ug/Kg	☀	61	44 - 129	19	30
Carbazole	42	J	3630	3340		ug/Kg	☀	91	62 - 107	28	30
Chrysene	220	J	3630	3760		ug/Kg	☀	97	64 - 105	22	30
Dibenz(a,h)anthracene	36		3630	3890		ug/Kg	☀	106	54 - 126	27	30
Dibenzofuran	17	J	3630	3290		ug/Kg	☀	90	62 - 102	26	30
Diethyl phthalate	360	U	3630	3590		ug/Kg	☀	99	61 - 110	29	30
Dimethyl phthalate	360	U	3630	3450		ug/Kg	☀	95	64 - 108	27	30
Di-n-butyl phthalate	360	U	3630	3680		ug/Kg	☀	101	62 - 114	29	30
Di-n-octyl phthalate	360	U	3630	3960	*	ug/Kg	☀	109	52 - 137	31	30
Fluoranthene	510		3630	4180		ug/Kg	☀	101	59 - 109	26	30
Fluorene	39	J	3630	3380		ug/Kg	☀	92	65 - 108	26	30
Hexachlorobenzene	36	U	3630	4070		ug/Kg	☀	112	65 - 117	27	30
Hexachlorobutadiene	73	U	3630	3690		ug/Kg	☀	102	60 - 105	25	30
Hexachlorocyclopentadiene	360	U	3630	3190		ug/Kg	☀	88	37 - 119	25	30
Hexachloroethane	36	U	3630	3080		ug/Kg	☀	85	60 - 94	25	30
Indeno[1,2,3-cd]pyrene	140		3630	4170		ug/Kg	☀	111	50 - 134	23	30
Isophorone	140	U	3630	3340		ug/Kg	☀	92	60 - 102	27	30
Naphthalene	59	J	3630	3320		ug/Kg	☀	90	64 - 99	24	30
Nitrobenzene	36	U	3630	2990		ug/Kg	☀	82	59 - 102	24	30
N-Nitrosodi-n-propylamine	36	U	3630	3120		ug/Kg	☀	86	56 - 112	26	30
N-Nitrosodiphenylamine	360	U	3630	3550		ug/Kg	☀	98	71 - 119	25	30
Pentachlorophenol	290	U	7270	2430	*	ug/Kg	☀	33	47 - 115	22	30
Phenanthrene	370		3630	3930		ug/Kg	☀	98	66 - 105	23	30
Phenol	360	U	3630	3060		ug/Kg	☀	84	55 - 99	26	30
Pyrene	390		3630	3820		ug/Kg	☀	94	55 - 126	23	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	93		10 - 95
2-Fluorobiphenyl	84		27 - 84
2-Fluorophenol (Surr)	73		21 - 84
Nitrobenzene-d5 (Surr)	82		28 - 92
Phenol-d5 (Surr)	81		22 - 88
Terphenyl-d14 (Surr)	103		16 - 114

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-352810/1-A ^2

Matrix: Solid

Analysis Batch: 352913

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 352810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Antimony	2.0	U	2.0	0.79	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Barium	20.0	U	20.0	0.72	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Calcium	500	U	500	29.6	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Chromium	1.0	U	1.0	0.48	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Copper	2.5	U	2.5	0.65	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Iron	15.0	U	15.0	11.3	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Lead	1.0	U	1.0	0.39	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Magnesium	500	U	500	25.0	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Manganese	1.5	U	1.5	0.53	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Nickel	4.0	U	4.0	0.73	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Potassium	500	U	500	15.2	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Selenium	2.0	U	2.0	0.69	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Silver	1.0	U	1.0	0.18	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Sodium	500	U	500	33.9	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Thallium	2.0	U	2.0	0.89	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		02/26/16 22:00	02/27/16 13:03	2
Zinc	3.0	U	3.0	0.73	mg/Kg		02/26/16 22:00	02/27/16 13:03	2

Lab Sample ID: LCSSRM 460-352810/2-A ^4

Matrix: Solid

Analysis Batch: 352913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 352810

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7930	7018		mg/Kg		88.5	50.2 - 150.1
Antimony	105	57.86		mg/Kg		55.1	0.1 - 201.0
Arsenic	98.5	96.12		mg/Kg		97.6	77.8 - 122.8
Barium	308	312.6		mg/Kg		101.5	82.5 - 117.5
Beryllium	66.0	66.54		mg/Kg		100.8	83.0 - 116.8
Cadmium	146	150.6		mg/Kg		103.1	82.9 - 117.8
Calcium	6610	6434		mg/Kg		97.3	83.7 - 116.2
Chromium	182	183.6		mg/Kg		100.9	79.7 - 120.3
Cobalt	162	167.7		mg/Kg		103.5	83.3 - 116.0
Copper	106	103.4		mg/Kg		97.5	81.5 - 118.9
Iron	14400	13900		mg/Kg		96.6	44.1 - 155.6

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

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

Lab Sample ID: LCSSRM 460-352810/2-A ^4

Matrix: Solid

Analysis Batch: 352913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 352810

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	130	130.3		mg/Kg		100.3	82.3 - 117.7
Magnesium	2640	2456		mg/Kg		93.0	75.8 - 124.6
Manganese	410	418.6		mg/Kg		102.1	81.2 - 119.0
Nickel	149	158.7		mg/Kg		106.5	82.6 - 117.4
Potassium	2550	2340		mg/Kg		91.8	69.0 - 130.6
Selenium	154	149.2		mg/Kg		96.9	77.9 - 122.1
Silver	40.9	37.18		mg/Kg		90.9	75.1 - 124.7
Sodium	2480	2564		mg/Kg		103.4	70.6 - 129.0
Thallium	175	190.1		mg/Kg		108.7	78.3 - 121.1
Vanadium	96.7	95.18		mg/Kg		98.4	77.2 - 123.1
Zinc	191	197.5		mg/Kg		103.4	83.2 - 116.8

Lab Sample ID: 460-109370-C-1-D MS ^4

Matrix: Solid

Analysis Batch: 352913

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 352810

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	6020		191	10260	4	mg/Kg	☼	2224	75 - 125
Antimony	3.6	U	47.8	18.51	N	mg/Kg	☼	39	75 - 125
Arsenic	4.3		191	188.6		mg/Kg	☼	96	75 - 125
Barium	62.8		191	267.5		mg/Kg	☼	107	75 - 125
Beryllium	0.68		4.78	5.66		mg/Kg	☼	104	75 - 125
Cadmium	0.72	U	4.78	4.73		mg/Kg	☼	99	75 - 125
Calcium	1100		1910	3105		mg/Kg	☼	105	75 - 125
Chromium	10.0		19.1	29.44		mg/Kg	☼	102	75 - 125
Cobalt	6.3	J	47.8	53.67		mg/Kg	☼	99	75 - 125
Copper	16.9		23.9	42.30		mg/Kg	☼	106	75 - 125
Iron	9550		95.5	10840	4	mg/Kg	☼	1349	75 - 125
Lead	18.5		47.8	72.36		mg/Kg	☼	113	75 - 125
Magnesium	1920		1910	3525		mg/Kg	☼	84	75 - 125
Manganese	346		47.8	439.5	4	mg/Kg	☼	197	75 - 125
Nickel	10.6		47.8	57.99		mg/Kg	☼	99	75 - 125
Potassium	326	J	1910	2161		mg/Kg	☼	96	75 - 125
Selenium	3.6	U	191	180.3		mg/Kg	☼	94	75 - 125
Silver	1.8	U	4.78	4.19		mg/Kg	☼	88	75 - 125
Sodium	411	J	1910	2322		mg/Kg	☼	100	75 - 125
Thallium	3.6	U	191	197.0		mg/Kg	☼	103	75 - 125
Vanadium	10.6		47.8	60.70		mg/Kg	☼	105	75 - 125
Zinc	36.4		47.8	88.79		mg/Kg	☼	110	75 - 125

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109447-1

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

Lab Sample ID: 460-109370-C-1-C DU ^4

Matrix: Solid

Analysis Batch: 352913

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 352810

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Aluminum	6020		6760		mg/Kg	☼	12	20
Antimony	3.6	U	3.6	U	mg/Kg	☼	NC	20
Arsenic	4.3		11.43	*	mg/Kg	☼	91	20
Barium	62.8		74.86		mg/Kg	☼	18	20
Beryllium	0.68		0.781		mg/Kg	☼	14	20
Cadmium	0.72	U	0.72	U	mg/Kg	☼	NC	20
Calcium	1100		1027		mg/Kg	☼	7	20
Chromium	10.0		8.78		mg/Kg	☼	13	20
Cobalt	6.3	J	6.10	J	mg/Kg	☼	4	20
Copper	16.9		20.47		mg/Kg	☼	19	20
Iron	9550		10210		mg/Kg	☼	7	20
Lead	18.5		34.41	*	mg/Kg	☼	60	20
Magnesium	1920		1521		mg/Kg	☼	23	20
Manganese	346		409.0		mg/Kg	☼	17	20
Nickel	10.6		9.12		mg/Kg	☼	15	20
Potassium	326	J	351.6	J	mg/Kg	☼	8	20
Selenium	3.6	U	3.6	U	mg/Kg	☼	NC	20
Silver	1.8	U	1.8	U	mg/Kg	☼	NC	20
Sodium	411	J	461.4	J	mg/Kg	☼	12	20
Thallium	3.6	U	3.6	U	mg/Kg	☼	NC	20
Vanadium	10.6		10.93		mg/Kg	☼	3	20
Zinc	36.4		41.68		mg/Kg	☼	14	20

Definitions/Glossary

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

TestAmerica Job ID: 460-109447-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.
J	Sample result is greater than the MDL but below the CRDL
*	Duplicate analysis not within 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: 460-109447-1

GC/MS Semi VOA

Prep Batch: 352903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109399-E-4-A MS	Matrix Spike	Total/NA	Solid	3546	
460-109399-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-109447-1	A1	Total/NA	Solid	3546	
460-109447-2	A2	Total/NA	Solid	3546	
LCS 460-352903/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-352903/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-352903/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 353016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109399-E-4-A MS	Matrix Spike	Total/NA	Solid	8270D	352903
460-109399-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	352903
460-109447-1	A1	Total/NA	Solid	8270D	352903
460-109447-2	A2	Total/NA	Solid	8270D	352903

Analysis Batch: 353092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-352903/2-A	Lab Control Sample	Total/NA	Solid	8270D	352903
LCS 460-352903/3-A	Lab Control Sample	Total/NA	Solid	8270D	352903
MB 460-352903/1-A	Method Blank	Total/NA	Solid	8270D	352903

Metals

Prep Batch: 352810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109370-C-1-B PDS ^4	Post Spike	Total/NA	Solid	3050B	
460-109370-C-1-B SD ^20	SD	Total/NA	Solid	3050B	
460-109370-C-1-C DU ^4	Duplicate	Total/NA	Solid	3050B	
460-109370-C-1-D MS ^4	Matrix Spike	Total/NA	Solid	3050B	
460-109447-1	A1	Total/NA	Solid	3050B	
460-109447-2	A2	Total/NA	Solid	3050B	
LCSSRM 460-352810/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-352810/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 352913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109370-C-1-B PDS ^4	Post Spike	Total/NA	Solid	6010C	352810
460-109370-C-1-B SD ^20	SD	Total/NA	Solid	6010C	352810
460-109370-C-1-C DU ^4	Duplicate	Total/NA	Solid	6010C	352810
460-109370-C-1-D MS ^4	Matrix Spike	Total/NA	Solid	6010C	352810
460-109447-1	A1	Total/NA	Solid	6010C	352810
460-109447-2	A2	Total/NA	Solid	6010C	352810
ICSA 460-352913/10	ICS		Solid	6010C	
ICSAB 460-352913/11	ICS		Solid	6010C	
LCSSRM 460-352810/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	352810
MB 460-352810/1-A ^2	Method Blank	Total/NA	Solid	6010C	352810

QC Association Summary

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

TestAmerica Job ID: 460-109447-1

General Chemistry

Analysis Batch: 352798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109268-D-3 DU	Duplicate	Total/NA	Solid	Moisture	
460-109447-1	A1	Total/NA	Solid	Moisture	
460-109447-2	A2	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 460-109447-1

Client Sample ID: A1

Date Collected: 02/26/16 11:45

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109447-1

Matrix: Solid

Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			352903	02/27/16 13:26	GRB	TAL EDI
Total/NA	Analysis	8270D		1	353016	02/29/16 07:01	AAS	TAL EDI
Total/NA	Prep	3050B			352810	02/26/16 22:00	EAE	TAL EDI
Total/NA	Analysis	6010C		4	352913	02/27/16 13:59	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	352798	02/26/16 20:21	JDH	TAL EDI

Client Sample ID: A2

Date Collected: 02/26/16 11:50

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109447-2

Matrix: Solid

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			352903	02/27/16 13:26	GRB	TAL EDI
Total/NA	Analysis	8270D		1	353016	02/29/16 07:24	AAS	TAL EDI
Total/NA	Prep	3050B			352810	02/26/16 22:00	EAE	TAL EDI
Total/NA	Analysis	6010C		4	352913	02/27/16 14:03	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	352798	02/26/16 20:21	JDH	TAL EDI

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 460-109447-1

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.: 460-109447-1
 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	460-109447-1	62	67	73	75	62	97
A2	460-109447-2	60	64	68	70	65	91
	MB 460-352903/1-A	66	70	70	69	91	86
	LCS 460-352903/2-A	72	74	80	83	101 *	95
	LCS 460-352903/3-A	77	79	85	86 *	102 *	110
	460-109399-E-4-A MS	57	63	65	66	70	78
	460-109399-E-4-B MSD	73	81	82	84	93	103

	<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.: 460-109447-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z41235.D
Lab ID: LCS 460-352903/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3330	2880	86	64-103	
1,2,4,5-Tetrachlorobenzene	3330	3180	95	62-109	
2,2'-oxybis[1-chloropropane]	3330	1320	40	42-119	*
2,3,4,6-Tetrachlorophenol	3330	2960	89	57-113	
2,4,5-Trichlorophenol	3330	2940	88	59-105	
2,4,6-Trichlorophenol	3330	2870	86	61-107	
2,4-Dichlorophenol	3330	2880	86	59-99	
2,4-Dimethylphenol	3330	2820	85	60-98	
2,4-Dinitrophenol	6670	5460	82	26-137	
2,4-Dinitrotoluene	3330	2730	82	61-118	
2,6-Dinitrotoluene	3330	2870	86	63-112	
2-Chloronaphthalene	3330	2870	86	63-102	
2-Chlorophenol	3330	2710	81	58-95	
2-Methylnaphthalene	3330	2900	87	64-102	
2-Methylphenol	3330	2610	78	56-99	
2-Nitroaniline	3330	2350	70	46-113	
2-Nitrophenol	3330	2980	89	63-103	
3,3'-Dichlorobenzidine	3330	1590	48	18-92	
3-Nitroaniline	3330	1280	38	23-89	
4,6-Dinitro-2-methylphenol	6670	6930	104	51-124	
4-Bromophenyl phenyl ether	3330	3690	111	65-114	
4-Chloro-3-methylphenol	3330	3040	91	58-108	
4-Chloroaniline	3330	1080	32	10-82	
4-Chlorophenyl phenyl ether	3330	3020	91	63-107	
4-Methylphenol	3330	2610	78	53-103	
4-Nitroaniline	3330	2140	64	44-109	
4-Nitrophenol	6670	4870	73	45-125	
Acenaphthene	3330	2610	78	59-102	
Acenaphthylene	3330	2820	85	63-102	
Acetophenone	3330	2850	86	56-107	
Anthracene	3330	3170	95	66-105	
Benzo[a]anthracene	3330	2960	89	65-106	
Benzo[a]pyrene	3330	3270	98	68-111	
Benzo[b]fluoranthene	3330	3250	97	67-116	
Benzo[g,h,i]perylene	3330	3650	110	49-124	
Benzo[k]fluoranthene	3330	3050	92	65-114	
Bis(2-chloroethoxy)methane	3330	2870	86	61-102	
Bis(2-chloroethyl)ether	3330	2590	78	58-102	
Bis(2-ethylhexyl) phthalate	3330	3140	94	60-125	
Butyl benzyl phthalate	3330	3140	94	62-123	
Carbazole	3330	2880	86	62-107	
Chrysene	3330	3180	96	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.: 460-109447-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z41235.D
 Lab ID: LCS 460-352903/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dibenz (a,h) anthracene	3330	3700	111	54-126	
Dibenzofuran	3330	2840	85	62-102	
Diethyl phthalate	3330	2940	88	61-110	
Dimethyl phthalate	3330	2900	87	64-108	
Di-n-butyl phthalate	3330	3210	96	62-114	
Di-n-octyl phthalate	3330	3250	97	52-137	
Fluoranthene	3330	3100	93	59-109	
Fluorene	3330	2830	85	65-108	
Hexachlorobenzene	3330	3610	108	65-117	
Hexachlorobutadiene	3330	3300	99	60-105	
Hexachlorocyclopentadiene	3330	3130	94	37-119	
Hexachloroethane	3330	2670	80	60-94	
Indeno[1,2,3-cd]pyrene	3330	3930	118	50-134	
Isophorone	3330	2850	86	60-102	
Naphthalene	3330	2870	86	64-99	
Nitrobenzene	3330	2710	81	59-102	
N-Nitrosodi-n-propylamine	3330	2580	78	56-112	
N-Nitrosodiphenylamine	3330	3260	98	71-119	
Pentachlorophenol	6670	6650	100	47-115	
Phenanthrene	3330	3070	92	66-105	
Phenol	3330	2640	79	55-99	
Pyrene	3330	2920	88	55-126	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109447-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z41234.D
Lab ID: LCS 460-352903/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Atrazine	6670	7130	107	41-116	
Benzaldehyde	6670	5510	83	55-116	
Caprolactam	6670	6750	101	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.: 460-109447-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z41209.D
Lab ID: 460-109399-E-4-A MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3630	360 U	2450	68	64-103	
1,2,4,5-Tetrachlorobenzene	3630	360 U	2740	75	62-109	
2,2'-oxybis[1-chloropropane]	3630	360 U	1240	34	42-119	*
2,3,4,6-Tetrachlorophenol	3630	360 U	1810	50	57-113	*
2,4,5-Trichlorophenol	3630	360 U	1930	53	59-105	*
2,4,6-Trichlorophenol	3630	140 U	2170	60	61-107	*
2,4-Dichlorophenol	3630	140 U	2350	65	59-99	
2,4-Dimethylphenol	3630	360 U	2510	69	60-98	
2,4-Dinitrophenol	7260	290 U	331	5	26-137	*
2,4-Dinitrotoluene	3630	73 U	2520	69	61-118	
2,6-Dinitrotoluene	3630	73 U	2570	71	63-112	
2-Chloronaphthalene	3630	360 U	2500	69	63-102	
2-Chlorophenol	3630	360 U	2380	66	58-95	
2-Methylnaphthalene	3630	220 J	2690	68	64-102	
2-Methylphenol	3630	360 U	2360	65	56-99	
2-Nitroaniline	3630	360 U	2090	57	46-113	
2-Nitrophenol	3630	360 U	1740	48	63-103	*
3,3'-Dichlorobenzidine	3630	140 U	1810	50	18-92	
3-Nitroaniline	3630	360 U	1640	45	23-89	
4,6-Dinitro-2-methylphenol	7260	290 U	1180	16	51-124	*
4-Bromophenyl phenyl ether	3630	360 U	3130	86	65-114	
4-Chloro-3-methylphenol	3630	360 U	2710	75	58-108	
4-Chloroaniline	3630	360 U	983	27	10-82	
4-Chlorophenyl phenyl ether	3630	360 U	2710	75	63-107	
4-Methylphenol	3630	360 U	2600	72	53-103	
4-Nitroaniline	3630	360 U	2000	55	44-109	
4-Nitrophenol	7260	730 U	3320	46	45-125	
Acenaphthene	3630	44 J	2390	65	59-102	
Acenaphthylene	3630	360 U	2530	70	63-102	
Acetophenone	3630	360 U	2700	74	56-107	
Anthracene	3630	79 J	2810	75	66-105	
Atrazine	7260	140 U	6000	83	41-116	
Benzaldehyde	7260	360 U	4290	59	55-116	
Benzo[a]anthracene	3630	210	2810	72	65-106	
Benzo[a]pyrene	3630	190	3000	77	68-111	
Benzo[b]fluoranthene	3630	280	3130	79	67-116	
Benzo[g,h,i]perylene	3630	120 J	3020	80	49-124	
Benzo[k]fluoranthene	3630	92	2870	77	65-114	
Bis(2-chloroethoxy)methane	3630	360 U	2540	70	61-102	
Bis(2-chloroethyl)ether	3630	36 U	2310	64	58-102	
Bis(2-ethylhexyl) phthalate	3630	360 U	2680	74	60-125	
Butyl benzyl phthalate	3630	360 U	2730	75	62-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109447-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z41209.D
 Lab ID: 460-109399-E-4-A MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Caprolactam	7260	360 U	3650	50	44-129	
Carbazole	3630	42 J	2510	68	62-107	
Chrysene	3630	220 J	3010	77	64-105	
Dibenz (a,h) anthracene	3630	36	2970	81	54-126	
Dibenzofuran	3630	17 J	2540	69	62-102	
Diethyl phthalate	3630	360 U	2690	74	61-110	
Dimethyl phthalate	3630	360 U	2630	72	64-108	
Di-n-butyl phthalate	3630	360 U	2750	76	62-114	
Di-n-octyl phthalate	3630	360 U	2890	80	52-137	
Fluoranthene	3630	510	3230	75	59-109	
Fluorene	3630	39 J	2590	70	65-108	
Hexachlorobenzene	3630	36 U	3100	85	65-117	
Hexachlorobutadiene	3630	73 U	2870	79	60-105	
Hexachlorocyclopentadiene	3630	360 U	2490	69	37-119	
Hexachloroethane	3630	36 U	2400	66	60-94	
Indeno[1,2,3-cd]pyrene	3630	140	3320	87	50-134	
Isophorone	3630	140 U	2560	70	60-102	
Naphthalene	3630	59 J	2610	70	64-99	
Nitrobenzene	3630	36 U	2340	64	59-102	
N-Nitrosodi-n-propylamine	3630	36 U	2390	66	56-112	
N-Nitrosodiphenylamine	3630	360 U	2770	76	71-119	
Pentachlorophenol	7260	290 U	1950	27	47-115	*
Phenanthrene	3630	370	3110	76	66-105	
Phenol	3630	360 U	2360	65	55-99	
Pyrene	3630	390	3020	73	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.: 460-109447-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z41210.D
Lab ID: 460-109399-E-4-B MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	3630	3160	87	25	30	64-103	
1,2,4,5-Tetrachlorobenzene	3630	3470	96	24	30	62-109	
2,2'-oxybis[1-chloropropane]	3630	1530	42	21	30	42-119	
2,3,4,6-Tetrachlorophenol	3630	2280	63	23	30	57-113	
2,4,5-Trichlorophenol	3630	2490	68	25	30	59-105	
2,4,6-Trichlorophenol	3630	2740	75	23	30	61-107	
2,4-Dichlorophenol	3630	3030	83	25	30	59-99	
2,4-Dimethylphenol	3630	3220	89	25	30	60-98	
2,4-Dinitrophenol	7270	392	5	17	30	26-137	*
2,4-Dinitrotoluene	3630	3420	94	30	30	61-118	
2,6-Dinitrotoluene	3630	3440	95	29	30	63-112	
2-Chloronaphthalene	3630	3180	87	24	30	63-102	
2-Chlorophenol	3630	2990	82	23	30	58-95	
2-Methylnaphthalene	3630	3480	90	26	30	64-102	
2-Methylphenol	3630	3100	85	27	30	56-99	
2-Nitroaniline	3630	2760	76	28	30	46-113	
2-Nitrophenol	3630	2100	58	19	30	63-103	*
3,3'-Dichlorobenzidine	3630	2340	65	26	30	18-92	
3-Nitroaniline	3630	2250	62	31	30	23-89	*
4,6-Dinitro-2-methylphenol	7270	1370	19	15	30	51-124	*
4-Bromophenyl phenyl ether	3630	4040	111	25	30	65-114	
4-Chloro-3-methylphenol	3630	3570	98	27	30	58-108	
4-Chloroaniline	3630	1380	38	33	30	10-82	*
4-Chlorophenyl phenyl ether	3630	3530	97	26	30	63-107	
4-Methylphenol	3630	3360	93	26	30	53-103	
4-Nitroaniline	3630	2780	77	33	30	44-109	*
4-Nitrophenol	7270	4460	61	29	30	45-125	
Acenaphthene	3630	3070	83	25	30	59-102	
Acenaphthylene	3630	3250	89	25	30	63-102	
Acetophenone	3630	3480	96	25	30	56-107	
Anthracene	3630	3670	99	26	30	66-105	
Atrazine	7270	7950	109	28	30	41-116	
Benzaldehyde	7270	5360	74	22	30	55-116	
Benzo[a]anthracene	3630	3560	92	23	30	65-106	
Benzo[a]pyrene	3630	3820	100	24	30	68-111	
Benzo[b]fluoranthene	3630	3980	102	24	30	67-116	
Benzo[g,h,i]perylene	3630	3790	101	22	30	49-124	
Benzo[k]fluoranthene	3630	3820	103	28	30	65-114	
Bis(2-chloroethoxy)methane	3630	3290	91	26	30	61-102	
Bis(2-chloroethyl)ether	3630	3060	84	28	30	58-102	
Bis(2-ethylhexyl) phthalate	3630	3550	98	28	30	60-125	
Butyl benzyl phthalate	3630	3620	100	28	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.: 460-109447-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z41210.D
 Lab ID: 460-109399-E-4-B MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	7270	4430	61	19	30	44-129	
Carbazole	3630	3340	91	28	30	62-107	
Chrysene	3630	3760	97	22	30	64-105	
Dibenz (a,h) anthracene	3630	3890	106	27	30	54-126	
Dibenzofuran	3630	3290	90	26	30	62-102	
Diethyl phthalate	3630	3590	99	29	30	61-110	
Dimethyl phthalate	3630	3450	95	27	30	64-108	
Di-n-butyl phthalate	3630	3680	101	29	30	62-114	
Di-n-octyl phthalate	3630	3960	109	31	30	52-137	*
Fluoranthene	3630	4180	101	26	30	59-109	
Fluorene	3630	3380	92	26	30	65-108	
Hexachlorobenzene	3630	4070	112	27	30	65-117	
Hexachlorobutadiene	3630	3690	102	25	30	60-105	
Hexachlorocyclopentadiene	3630	3190	88	25	30	37-119	
Hexachloroethane	3630	3080	85	25	30	60-94	
Indeno[1,2,3-cd]pyrene	3630	4170	111	23	30	50-134	
Isophorone	3630	3340	92	27	30	60-102	
Naphthalene	3630	3320	90	24	30	64-99	
Nitrobenzene	3630	2990	82	24	30	59-102	
N-Nitrosodi-n-propylamine	3630	3120	86	26	30	56-112	
N-Nitrosodiphenylamine	3630	3550	98	25	30	71-119	
Pentachlorophenol	7270	2430	33	22	30	47-115	*
Phenanthrene	3630	3930	98	23	30	66-105	
Phenol	3630	3060	84	26	30	55-99	
Pyrene	3630	3820	94	23	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.: 460-109447-1
SDG No.: _____
Lab File ID: z41232.D Lab Sample ID: MB 460-352903/1-A
Matrix: Solid Date Extracted: 02/27/2016 13:26
Instrument ID: CBNAMS11 Date Analyzed: 02/29/2016 15:26
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	460-109399-E-4-A MS	z41209.D	02/29/2016 03:02
	460-109399-E-4-B MSD	z41210.D	02/29/2016 03:25
A1	460-109447-1	z41219.D	02/29/2016 07:01
A2	460-109447-2	z41220.D	02/29/2016 07:24
	LCS 460-352903/3-A	z41234.D	02/29/2016 16:17
	LCS 460-352903/2-A	z41235.D	02/29/2016 16:41

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

Lab Name: TestAmerica Edison Job No.: 460-109447-1
SDG No.: _____
Lab File ID: z40936.D DFTPP Injection Date: 02/23/2016
Instrument ID: CBNAMS11 DFTPP Injection Time: 12:54
Analysis Batch No.: 351930

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	55.3
68	Less than 2.0 % of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	41.7
70	Less than 2.0 % of mass 69	0.5 (1.3) 1
127	40.0 - 60.0 % of mass 198	51.1
197	Less than 1.0 % of mass 198	0.7
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	26.0
365	Greater than 1.0 % of mass 198	3.7
441	Present but less than mass 443	13.0 (73.5) 3
442	Greater than 40.0 % of mass 198	94.1
443	17.0 - 23.0 % of mass 442	17.7 (18.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-351930/2	z40937.D	02/23/2016	13:38
	STD120 460-351930/3	z40938.D	02/23/2016	14:04
	STD80 460-351930/4	z40939.D	02/23/2016	14:28
	STD20 460-351930/5	z40940.D	02/23/2016	14:51
	STD10 460-351930/6	z40941.D	02/23/2016	15:15
	STD5 460-351930/7	z40942.D	02/23/2016	15:38
	STD2 460-351930/8	z40943.D	02/23/2016	16:02
	STD1 460-351930/9	z40944.D	02/23/2016	16:25
	STD05 460-351930/10	z40945.D	02/23/2016	16:51
	STD50 460-351930/11	z40946.D	02/23/2016	17:14
	STD120 460-351930/12	z40947.D	02/23/2016	17:38
	STD80 460-351930/13	z40948.D	02/23/2016	18:01
	STD20 460-351930/14	z40949.D	02/23/2016	18:25
	STD10 460-351930/15	z40950.D	02/23/2016	18:48
	STD5 460-351930/16	z40951.D	02/23/2016	19:13
	STD2 460-351930/17	z40952.D	02/23/2016	19:37
	ICV 460-351930/18	z40953.D	02/23/2016	20:03
	ICV 460-351930/19	z40954.D	02/23/2016	20:26

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

Lab Name: TestAmerica Edison Job No.: 460-109447-1
SDG No.: _____
Lab File ID: z41193.D DFTPP Injection Date: 02/28/2016
Instrument ID: CBNAMS11 DFTPP Injection Time: 20:16
Analysis Batch No.: 353016

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	30.6
68	Less than 2.0 % of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.0
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	40.0 - 60.0 % of mass 198	46.8
197	Less than 1.0 % of mass 198	0.4
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	29.9
365	Greater than 1.0 % of mass 198	3.5
441	Present but less than mass 443	14.3 (63.3) 3
442	Greater than 40.0 % of mass 198	111.8
443	17.0 - 23.0 % of mass 442	22.6 (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
	CCVIS 460-353016/2	z41194.D	02/28/2016	20:42
	CCV 460-353016/3	z41195.D	02/28/2016	21:23
	460-109399-E-4-A MS	z41209.D	02/29/2016	03:02
	460-109399-E-4-B MSD	z41210.D	02/29/2016	03:25
A1	460-109447-1	z41219.D	02/29/2016	07:01
A2	460-109447-2	z41220.D	02/29/2016	07:24

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

Lab Name: TestAmerica Edison Job No.: 460-109447-1
SDG No.: _____
Lab File ID: z41223.D DFTPP Injection Date: 02/29/2016
Instrument ID: CBNAMS11 DFTPP Injection Time: 11:32
Analysis Batch No.: 353092

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	31.7
68	Less than 2.0 % of mass 69	0.7 (2.0) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0 % of mass 69	0.2 (0.7) 1
127	40.0 - 60.0 % of mass 198	47.7
197	Less than 1.0 % of mass 198	0.3
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	28.9
365	Greater than 1.0 % of mass 198	4.2
441	Present but less than mass 443	16.1 (72.4) 3
442	Greater than 40.0 % of mass 198	116.4
443	17.0 - 23.0 % of mass 442	22.2 (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
	CCVIS 460-353092/2	z41224.D	02/29/2016	11:56
	CCV 460-353092/3	z41225.D	02/29/2016	12:28
	MB 460-352903/1-A	z41232.D	02/29/2016	15:26
	LCS 460-352903/3-A	z41234.D	02/29/2016	16:17
	LCS 460-352903/2-A	z41235.D	02/29/2016	16:41

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

Lab Name: TestAmerica Edison Job No.: 460-109447-1
 SDG No.: _____
 Sample No.: ICIS 460-351930/2 Date Analyzed: 02/23/2016 13:38
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z40937.D Heated Purge: (Y/N) N
 Calibration ID: 54549

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	201756	4.53	697276	5.82	313312	7.59	
UPPER LIMIT	403512	5.03	1394552	6.32	626624	8.09	
LOWER LIMIT	100878	4.03	348638	5.32	156656	7.09	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-351930/18		193754	4.53	667027	5.82	301514	7.59
ICV 460-351930/19		220198	4.53	766343	5.82	364702	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.: 460-109447-1
 SDG No.: _____
 Sample No.: ICIS 460-351930/2 Date Analyzed: 02/23/2016 13:38
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z40937.D Heated Purge: (Y/N) N
 Calibration ID: 54549

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	387374	9.06	205044	11.90	162233	13.87	
UPPER LIMIT	774748	9.56	410088	12.40	324466	14.37	
LOWER LIMIT	193687	8.56	102522	11.40	81117	13.37	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-351930/18		396746	9.06	225985	11.89	180804	13.87
ICV 460-351930/19		525208	9.06	313044	11.89	210793	13.87

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.: 460-109447-1
 SDG No.: _____
 Sample No.: CCVIS 460-353016/2 Date Analyzed: 02/28/2016 20:42
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z41194.D Heated Purge: (Y/N) N
 Calibration ID: 54554

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	164305	4.27	523123	5.55	210049	7.31	
UPPER LIMIT	328610	4.77	1046246	6.05	420098	7.81	
LOWER LIMIT	82153	3.77	261562	5.05	105025	6.81	
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-109399-E-4-A MS		200505	4.28	735699	5.55	352967	7.31
460-109399-E-4-B MSD		190574	4.29	707516	5.55	346205	7.31
460-109447-1	A1	198180	4.28	718167	5.55	341342	7.31
460-109447-2	A2	186147	4.27	667382	5.55	314592	7.31

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.: 460-109447-1
 SDG No.: _____
 Sample No.: CCVIS 460-353016/2 Date Analyzed: 02/28/2016 20:42
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z41194.D Heated Purge: (Y/N) N
 Calibration ID: 54554

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	248474	8.77	157483	11.54	131049	13.44	
UPPER LIMIT	496948	9.27	314966	12.04	262098	13.94	
LOWER LIMIT	124237	8.27	78742	11.04	65525	12.94	
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-109399-E-4-A MS		450038	8.77	242925	11.54	175005	13.45
460-109399-E-4-B MSD		458784	8.78	250682	11.54	171090	13.45
460-109447-1	A1	445879	8.78	204900	11.54	162156	13.45
460-109447-2	A2	405000	8.77	185507	11.53	147501	13.45

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.: 460-109447-1
 SDG No.: _____
 Sample No.: CCVIS 460-353092/2 Date Analyzed: 02/29/2016 11:56
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z41224.D Heated Purge: (Y/N) N
 Calibration ID: 54554

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	187574	4.23	640840	5.51	279037	7.27	
UPPER LIMIT	375148	4.73	1281680	6.01	558074	7.77	
LOWER LIMIT	93787	3.73	320420	5.01	139519	6.77	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-352903/1-A		212519	4.22	798661	5.51	397028	7.26
LCS 460-352903/3-A		207900	4.22	748877	5.51	355054	7.26
LCS 460-352903/2-A		208336	4.22	719309	5.51	323291	7.27

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.: 460-109447-1
 SDG No.: _____
 Sample No.: CCVIS 460-353092/2 Date Analyzed: 02/29/2016 11:56
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z41224.D Heated Purge: (Y/N) N
 Calibration ID: 54554

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	350124	8.74	188152	11.48	138098	13.38	
UPPER LIMIT	700248	9.24	376304	11.98	276196	13.88	
LOWER LIMIT	175062	8.24	94076	10.98	69049	12.88	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-352903/1-A		555076	8.73	293522	11.48	190713	13.38
LCS 460-352903/3-A		456634	8.73	238975	11.48	165916	13.38
LCS 460-352903/2-A		389704	8.73	212054	11.48	160361	13.38

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>460-109447-1</u>
SDG No.: _____	
Client Sample ID: <u>A1</u>	Lab Sample ID: <u>460-109447-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41219.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:45</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0541(g)</u>	Date Analyzed: <u>02/29/2016 07:01</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>5.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	350	U	350	30
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U	350	26
108-60-1	2,2'-oxybis[1-chloropropane]	350	U *	350	14
58-90-2	2,3,4,6-Tetrachlorophenol	350	U	350	33
95-95-4	2,4,5-Trichlorophenol	350	U	350	35
88-06-2	2,4,6-Trichlorophenol	140	U	140	9.9
120-83-2	2,4-Dichlorophenol	140	U	140	8.3
105-67-9	2,4-Dimethylphenol	350	U	350	77
51-28-5	2,4-Dinitrophenol	280	U	280	260
121-14-2	2,4-Dinitrotoluene	71	U	71	14
606-20-2	2,6-Dinitrotoluene	71	U	71	19
91-58-7	2-Chloronaphthalene	350	U	350	7.9
95-57-8	2-Chlorophenol	350	U	350	8.9
91-57-6	2-Methylnaphthalene	350	U	350	7.7
95-48-7	2-Methylphenol	350	U	350	15
88-74-4	2-Nitroaniline	350	U	350	12
88-75-5	2-Nitrophenol	350	U	350	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	39
99-09-2	3-Nitroaniline	350	U	350	10
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	93
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
59-50-7	4-Chloro-3-methylphenol	350	U	350	15
106-47-8	4-Chloroaniline	350	U	350	9.0
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	10
106-44-5	4-Methylphenol	350	U	350	9.5
100-01-6	4-Nitroaniline	350	U	350	13
100-02-7	4-Nitrophenol	710	U	710	170
83-32-9	Acenaphthene	350	U	350	8.5
208-96-8	Acenaphthylene	350	U	350	9.0
98-86-2	Acetophenone	350	U	350	7.6
120-12-7	Anthracene	350	U	350	33
1912-24-9	Atrazine	140	U	140	16
100-52-7	Benzaldehyde	350	U	350	27
56-55-3	Benzo[a]anthracene	110		35	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: <u>A1</u>	Lab Sample ID: <u>460-109447-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41219.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:45</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0541(g)</u>	Date Analyzed: <u>02/29/2016 07:01</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>5.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	120		35	11
205-99-2	Benzo[b]fluoranthene	170		35	14
191-24-2	Benzo[g,h,i]perylene	100	J	350	20
207-08-9	Benzo[k]fluoranthene	65		35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.3
117-81-7	Bis(2-ethylhexyl) phthalate	350	U	350	14
85-68-7	Butyl benzyl phthalate	350	U	350	11
105-60-2	Caprolactam	350	U	350	25
86-74-8	Carbazole	350	U	350	8.7
218-01-9	Chrysene	130	J	350	9.5
53-70-3	Dibenz(a,h)anthracene	21	J	35	18
132-64-9	Dibenzofuran	350	U	350	11
84-66-2	Diethyl phthalate	350	U	350	9.9
131-11-3	Dimethyl phthalate	350	U	350	10
84-74-2	Di-n-butyl phthalate	350	U	350	10
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	150	J	350	10
86-73-7	Fluorene	350	U	350	7.6
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	71	U	71	9.8
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	130		35	23
78-59-1	Isophorone	140	U	140	7.5
91-20-3	Naphthalene	350	U	350	8.9
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	32
87-86-5	Pentachlorophenol	280	U	280	42
85-01-8	Phenanthrene	47	J	350	9.3
108-95-2	Phenol	350	U	350	11
129-00-0	Pyrene	150	J	350	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: <u>A1</u>	Lab Sample ID: <u>460-109447-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41219.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:45</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0541(g)</u>	Date Analyzed: <u>02/29/2016 07:01</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>5.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</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	75		27-84
367-12-4	2-Fluorophenol (Surr)	62		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	73		28-92
4165-62-2	Phenol-d5 (Surr)	67		22-88
1718-51-0	Terphenyl-d14 (Surr)	97		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41219.D
 Lims ID: 460-109447-A-1-C Lab Sample ID: 460-109447-1
 Client ID: A1
 Sample Type: Client
 Inject. Date: 29-Feb-2016 07:01:30 ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037822-027
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 12:33:06 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: szczecha

Date: 29-Feb-2016 12:33:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.100	3.052	0.123	96	221703	31.1	
\$ 6 Phenol-d5	99	3.924	3.906	0.018	85	282761	33.7	
* 14 1,4-Dichlorobenzene-d4	152	4.277	4.259	0.018	96	198180	40.0	
\$ 26 Nitrobenzene-d5	82	4.824	4.824	0.000	86	262812	36.5	
* 38 Naphthalene-d8	136	5.547	5.542	0.005	99	718167	40.0	
\$ 51 2-Fluorobiphenyl	172	6.635	6.635	0.000	98	514838	37.5	
* 65 Acenaphthene-d10	164	7.306	7.300	0.006	93	341342	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.082	8.088	-0.006	94	45587	31.1	
* 87 Phenanthrene-d10	188	8.776	8.771	0.005	99	445879	40.0	
88 Phenanthrene	178	8.794	8.794	0.000	94	8361	0.6602	
89 Anthracene	178	8.841	8.847	-0.006	69	1824	0.1423	7
92 Fluoranthene	202	9.971	9.971	0.000	98	22659	2.16	
94 Pyrene	202	10.194	10.194	0.000	97	19521	2.18	
\$ 96 Terphenyl-d14	244	10.359	10.353	0.006	99	298863	48.7	
101 Benzo[a]anthracene	228	11.517	11.518	-0.001	97	9696	1.54	
* 102 Chrysene-d12	240	11.535	11.529	0.006	99	204900	40.0	
103 Chrysene	228	11.565	11.565	0.000	99	10362	1.91	
106 Benzo[b]fluoranthene	252	12.923	12.923	0.000	99	11948	2.47	M
107 Benzo[k]fluoranthene	252	12.959	12.959	0.000	94	4741	0.9178	
108 Benzo[a]pyrene	252	13.364	13.364	0.000	97	7354	1.65	
* 109 Perylene-d12	264	13.447	13.441	0.006	98	162156	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.941	14.947	-0.006	98	6040	1.78	
111 Dibenz(a,h)anthracene	278	14.976	14.982	-0.006	93	1052	0.2965	
112 Benzo[g,h,i]perylene	276	15.353	15.364	-0.011	96	5282	1.45	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

[Reagents:](#)

SM_ISTD_00102

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Worklist Smp#: 27

Client ID: A1

Injection Vol: 1.0 ul

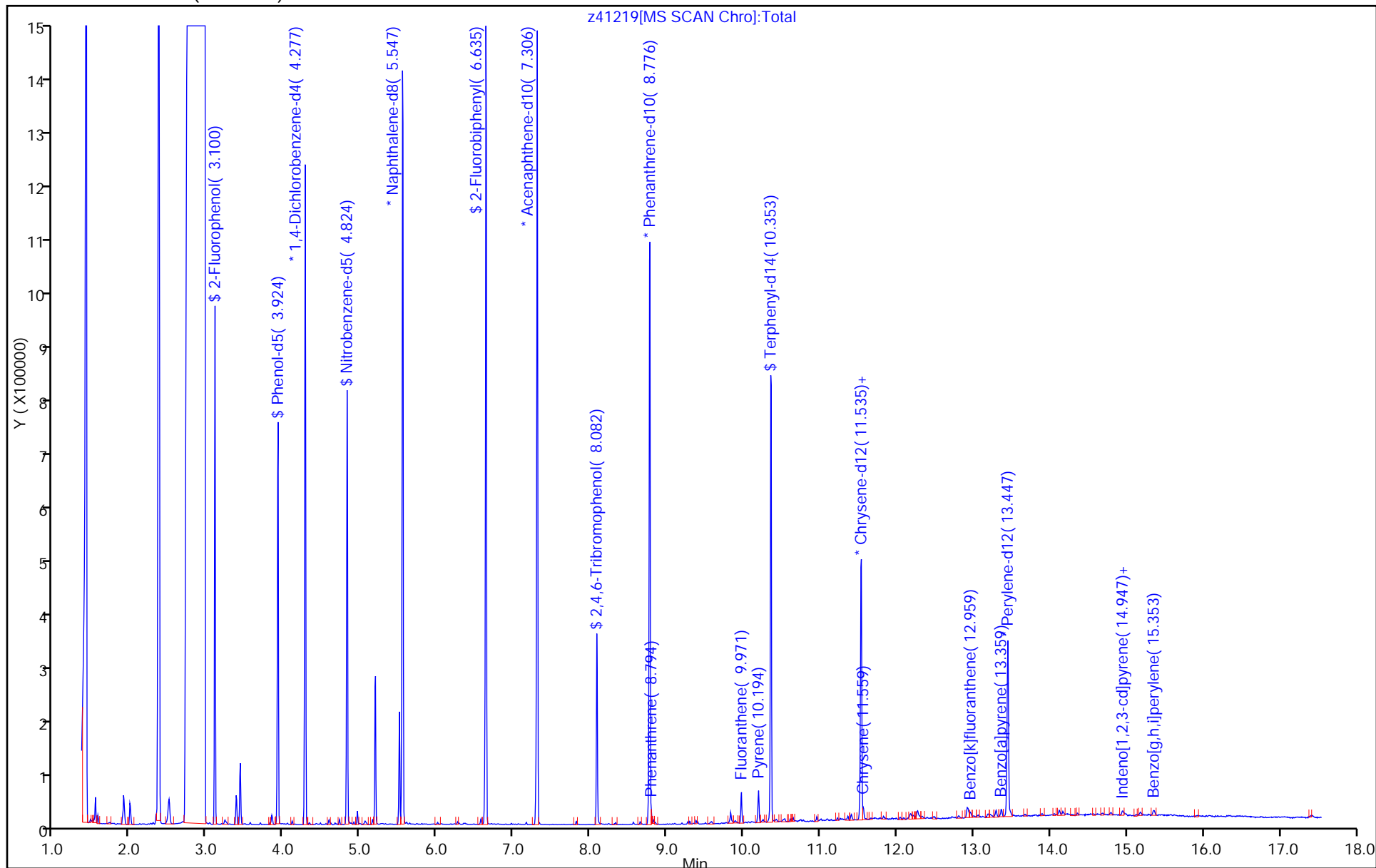
Dil. Factor: 1.0000

ALS Bottle#: 27

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

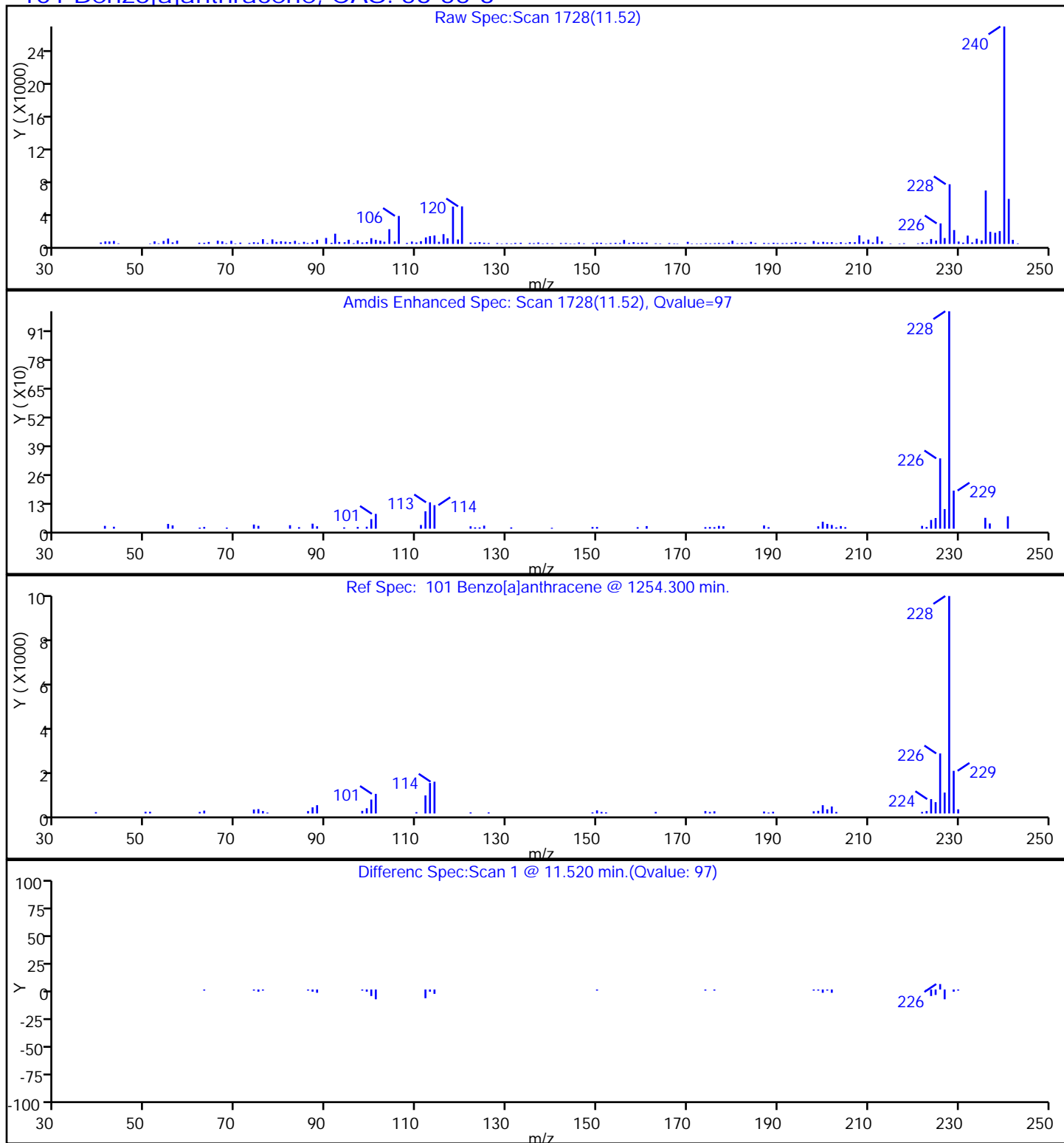
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

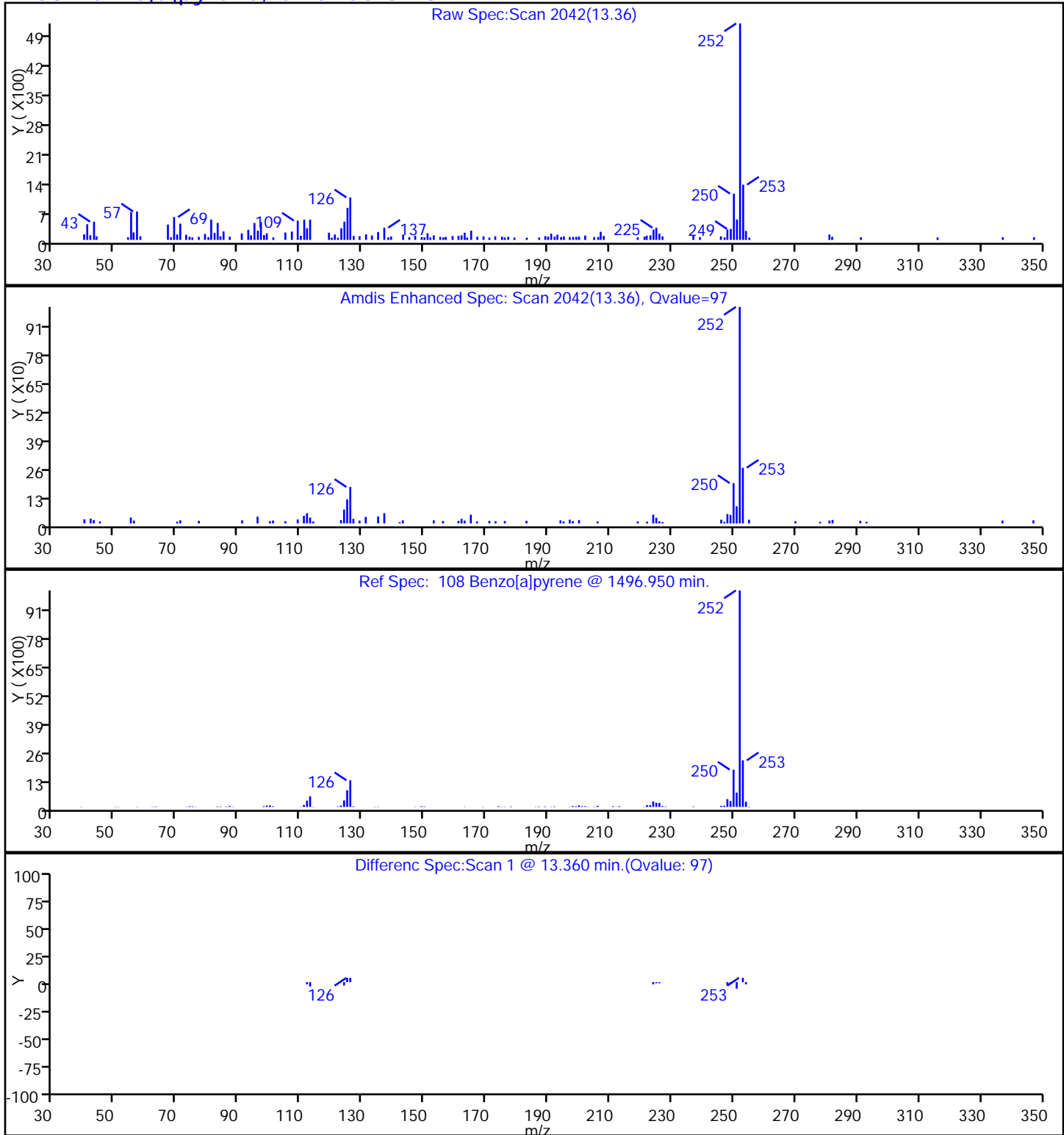
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

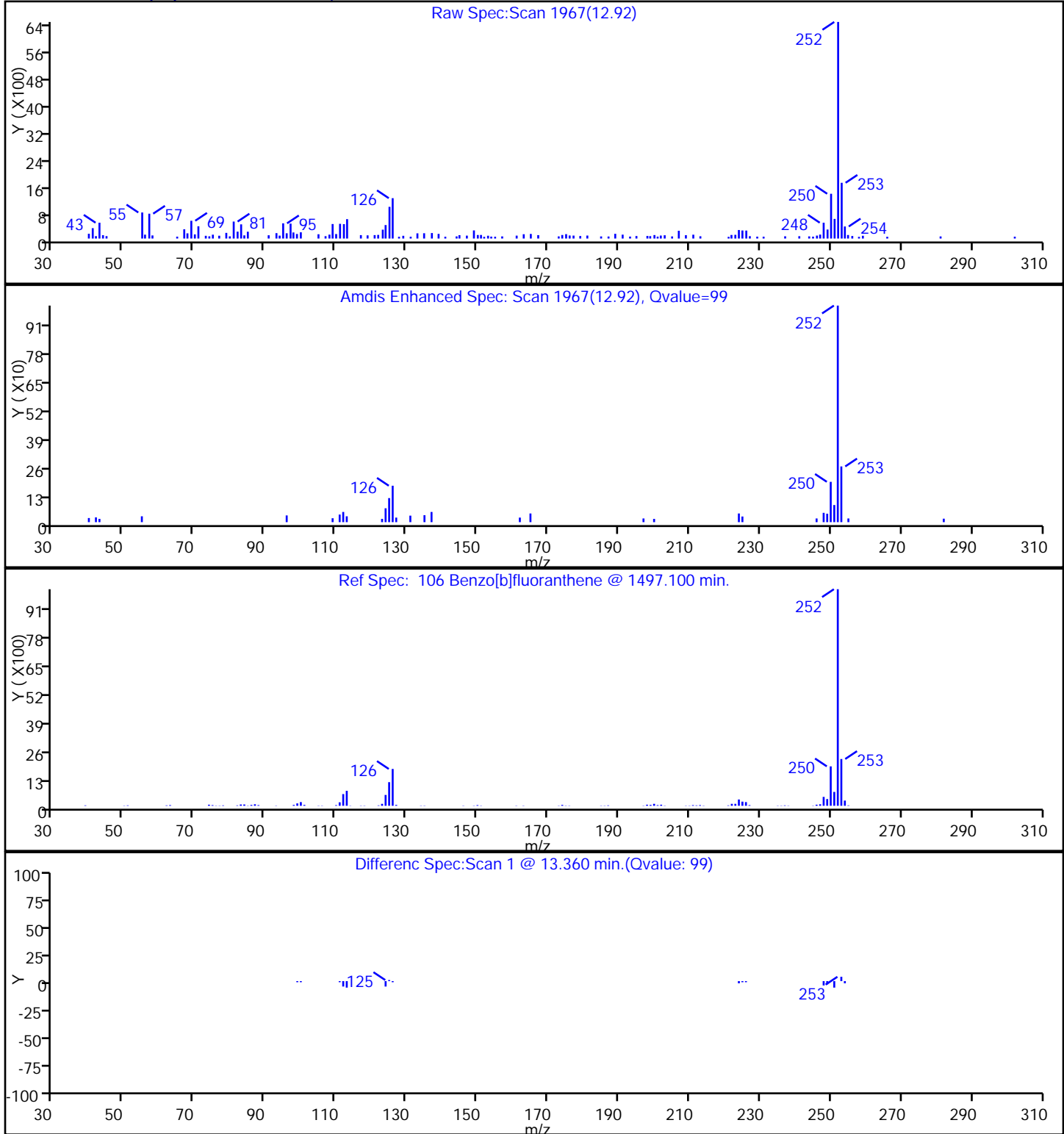
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

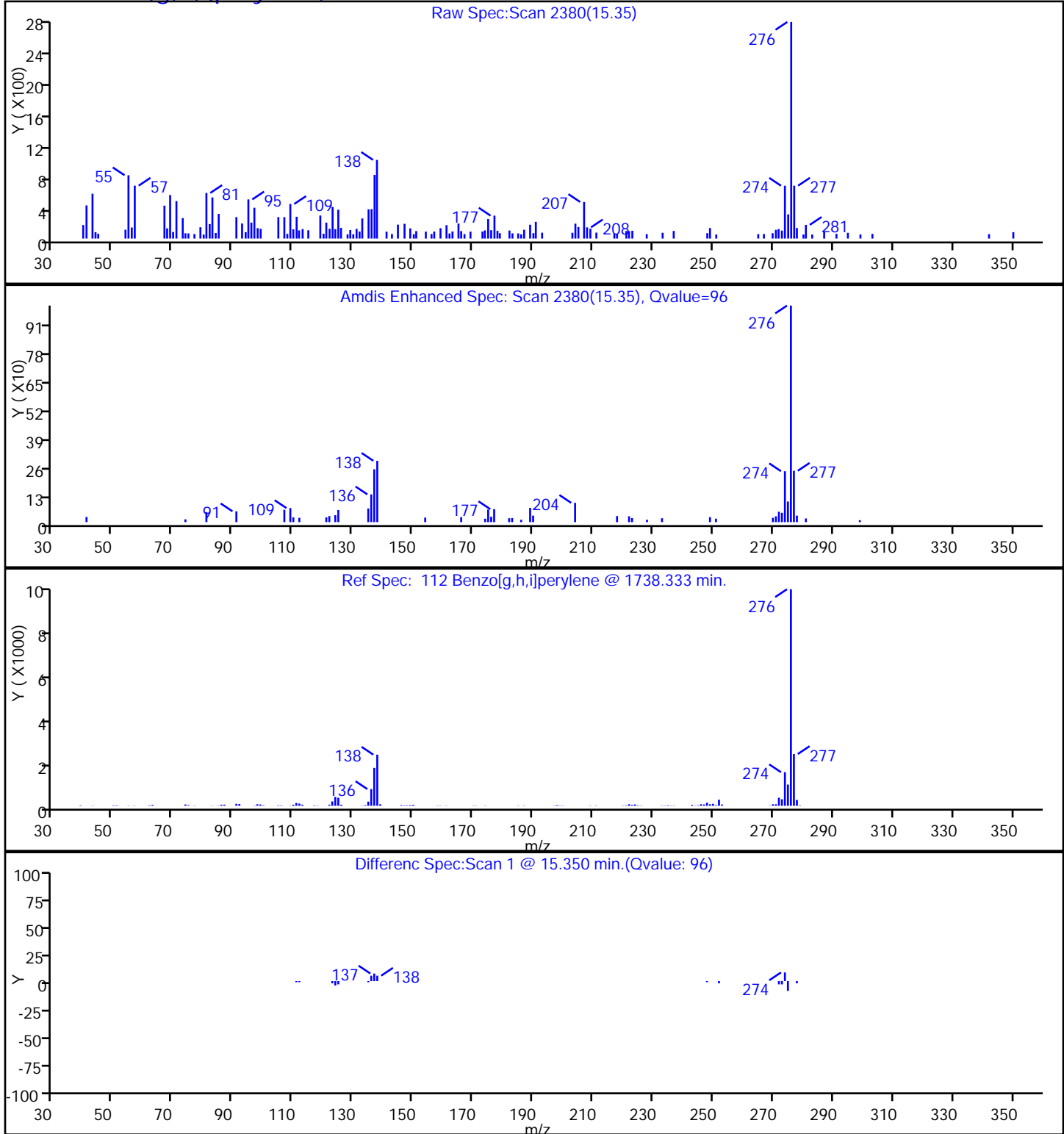
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

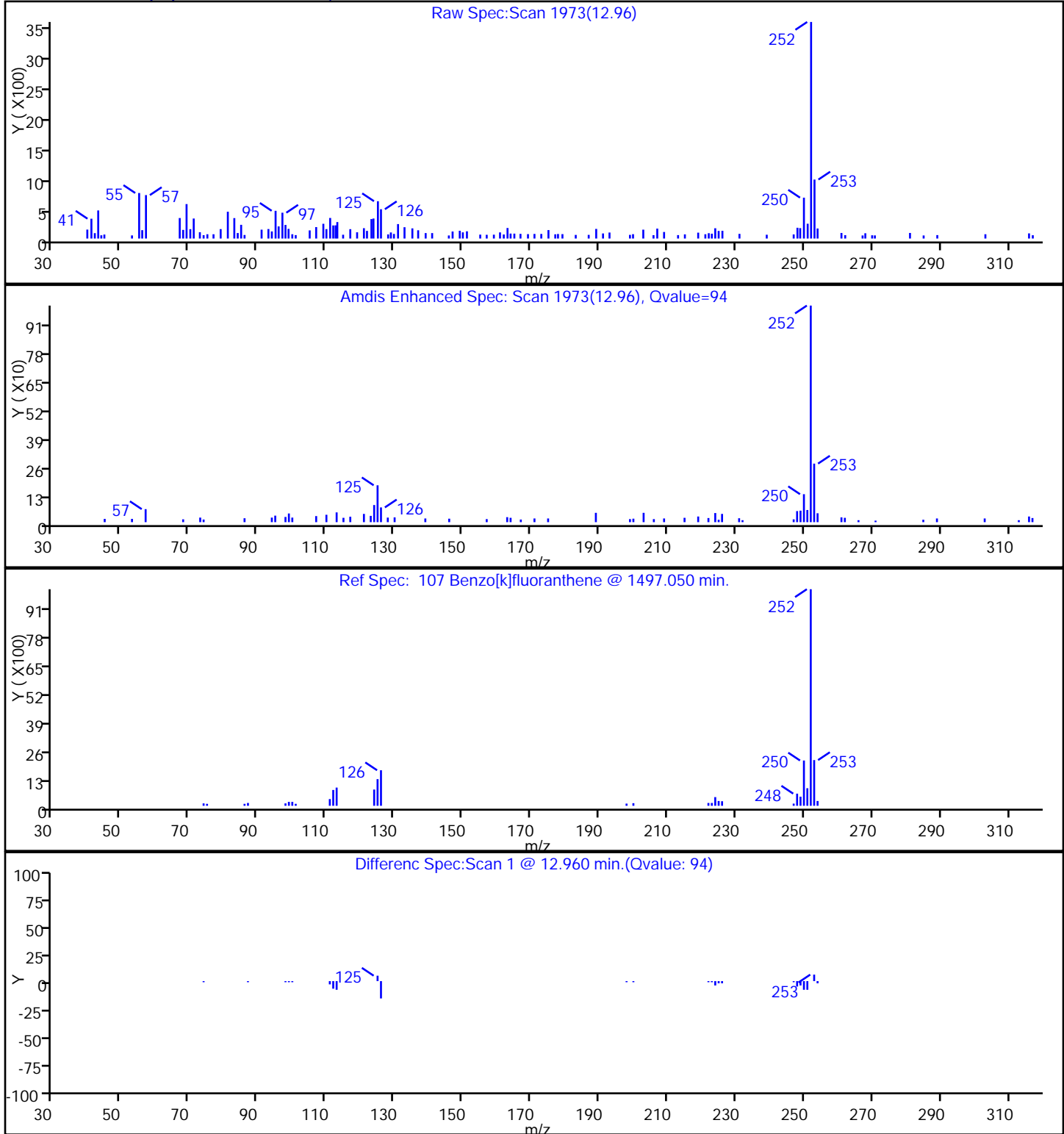
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

Worklist Smp#: 27

Injection Vol: 1.0 ul

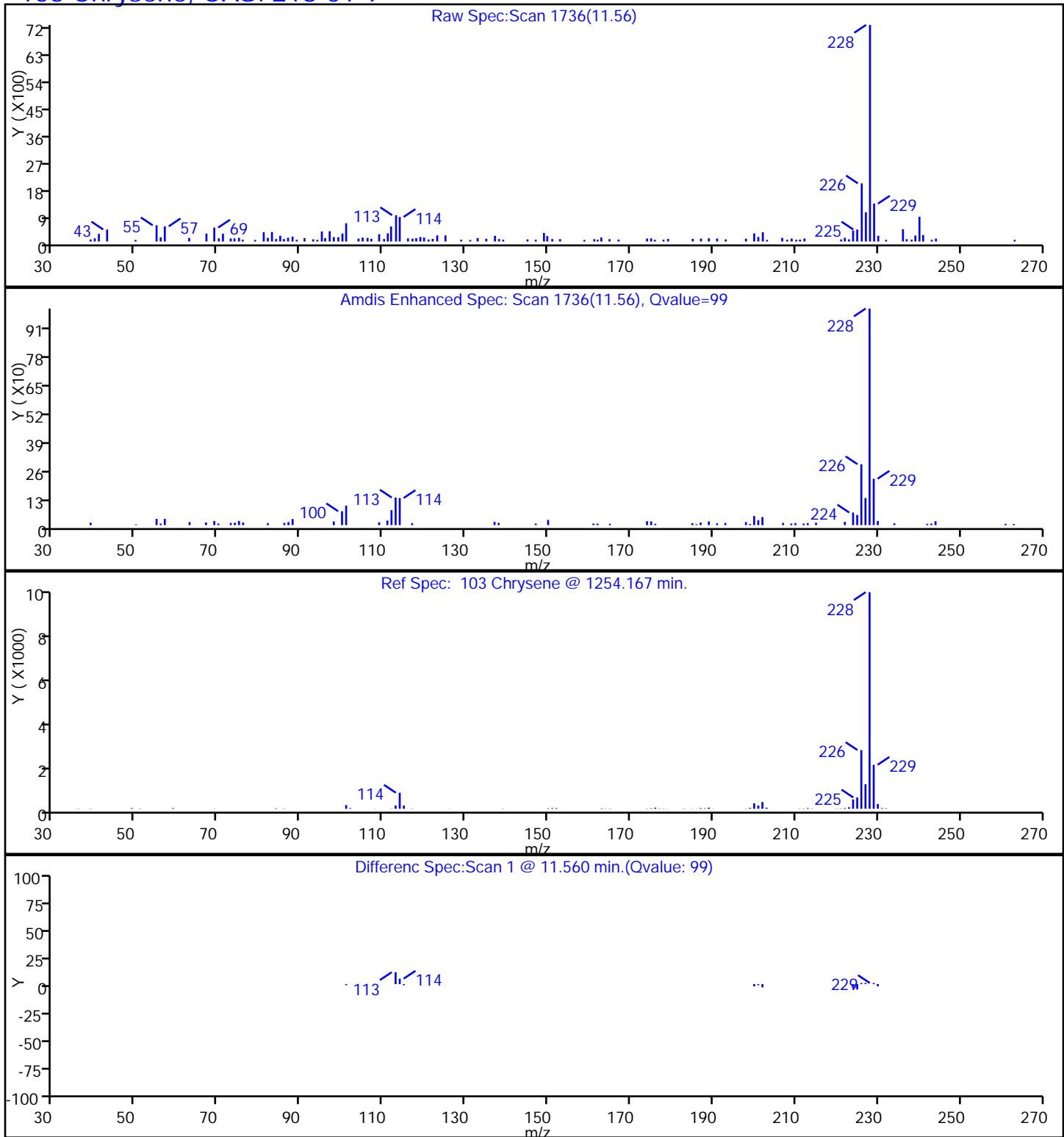
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

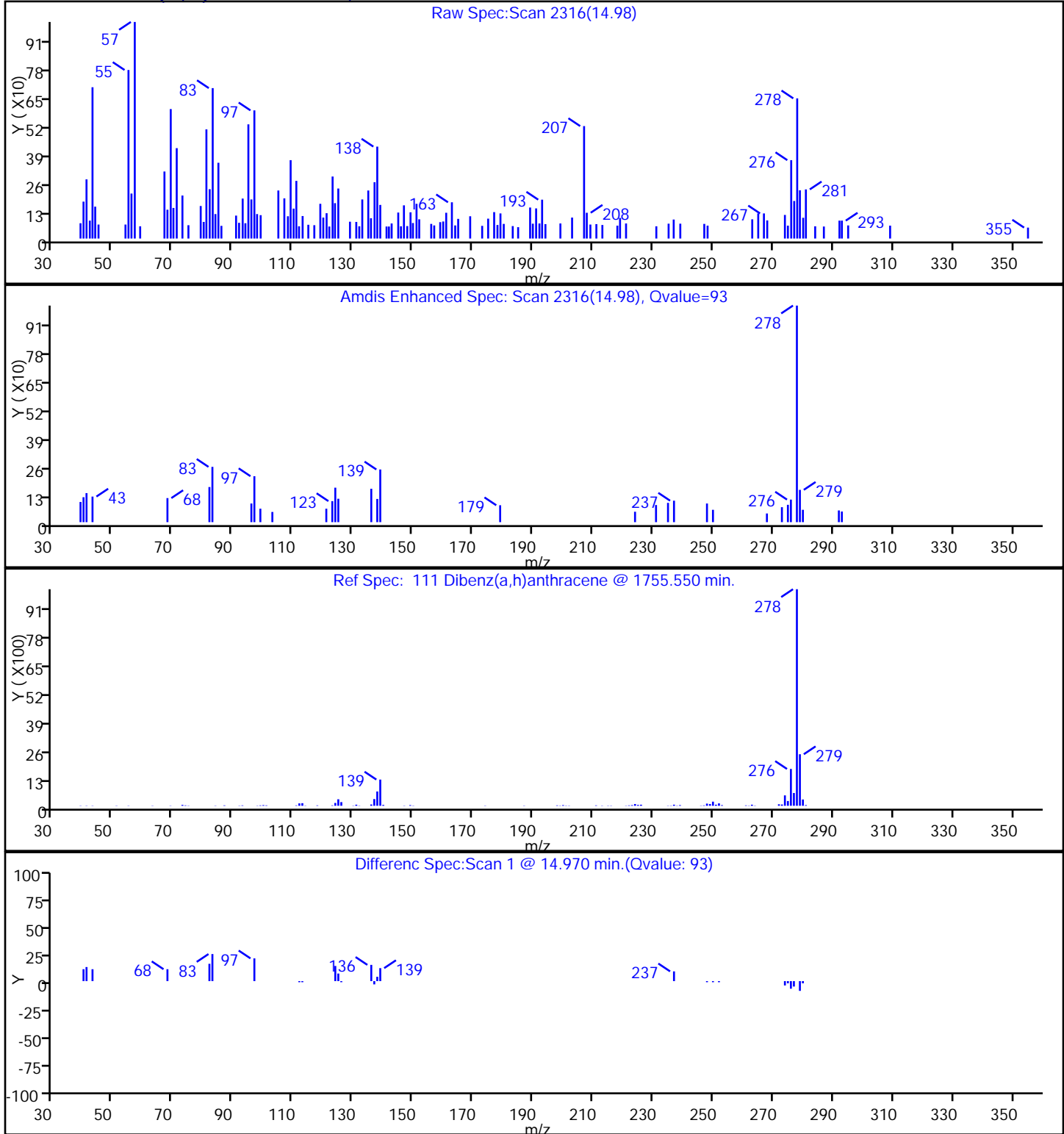
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

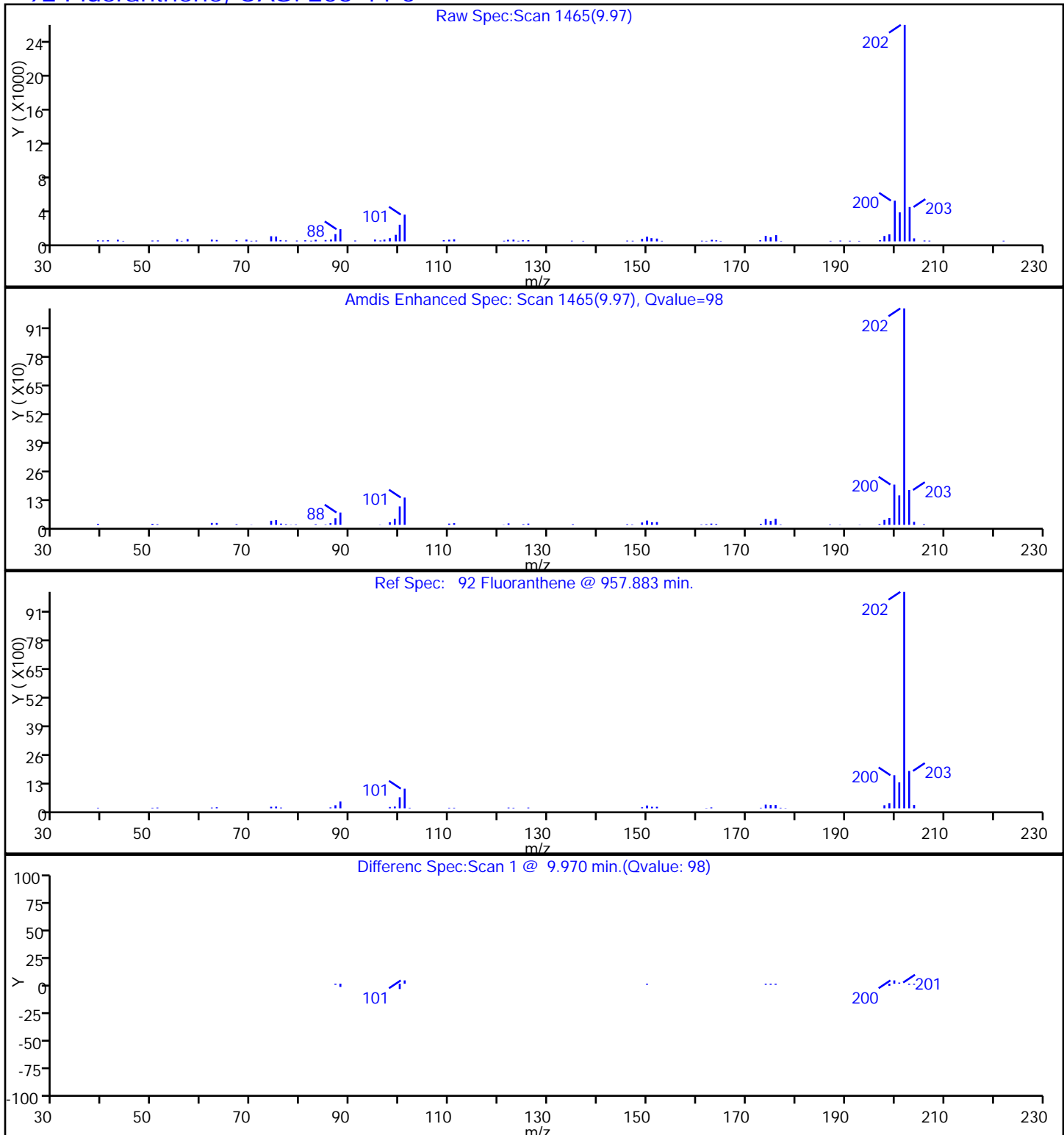
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

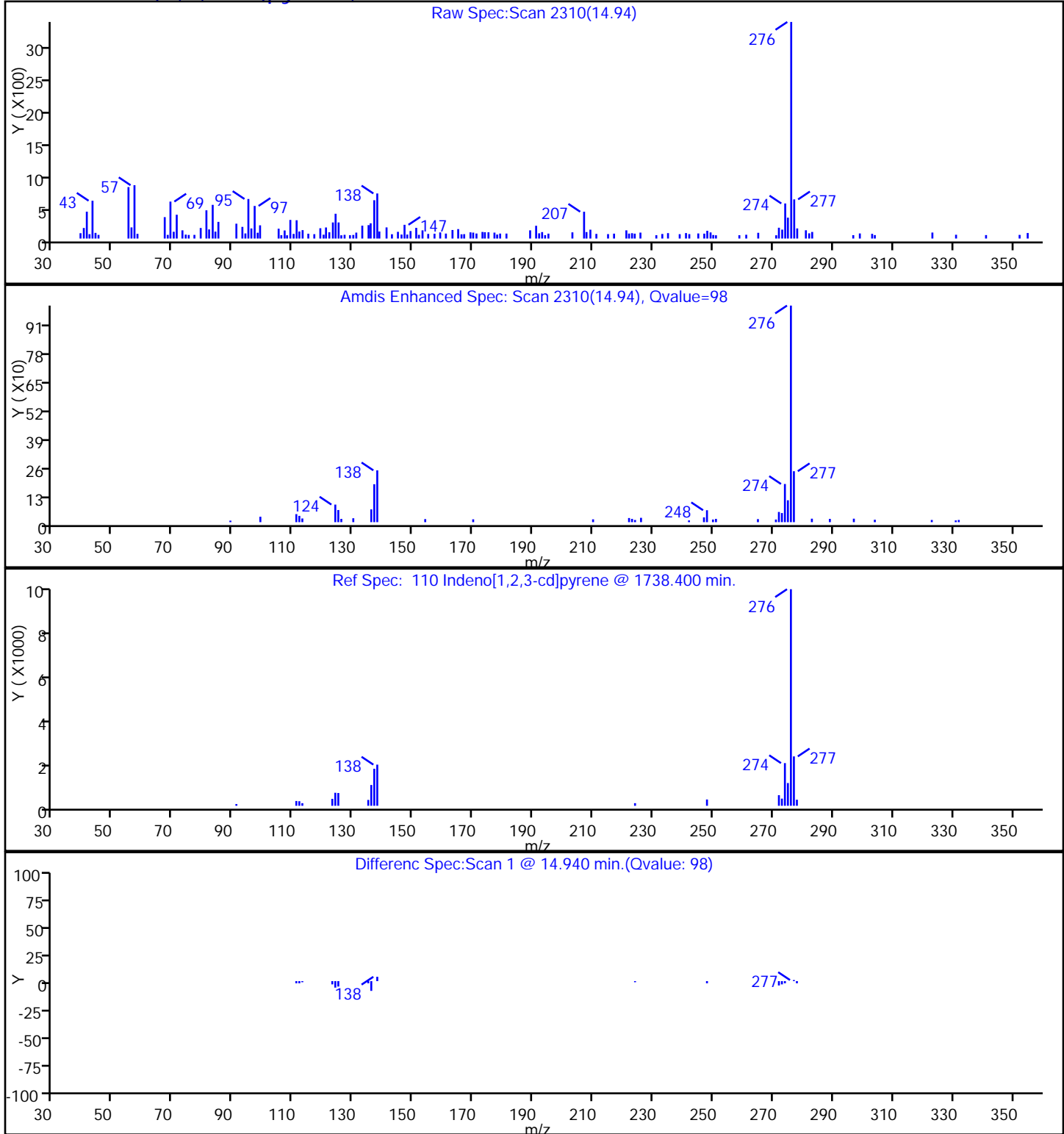
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

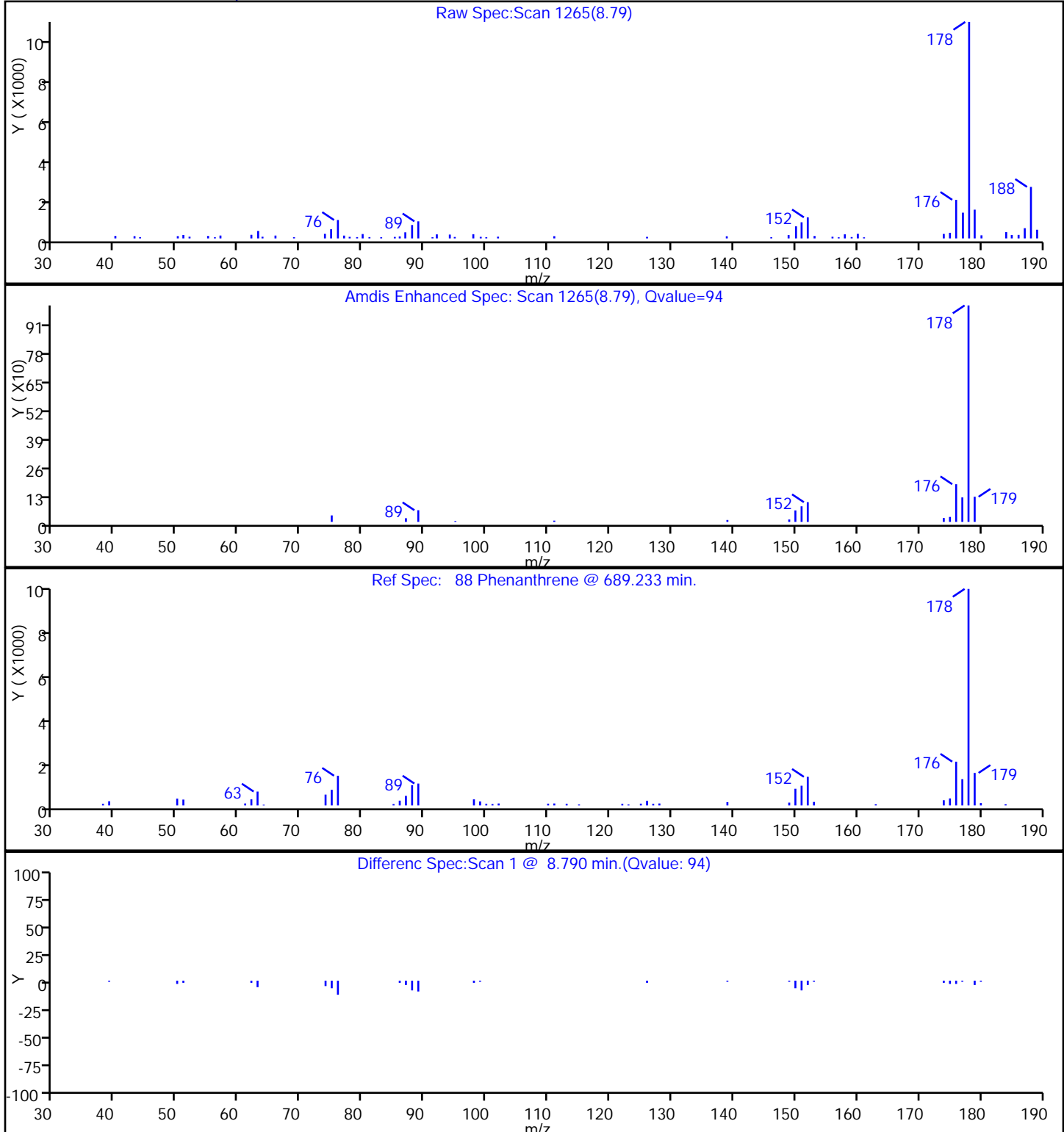
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41219.D

Injection Date: 29-Feb-2016 07:01:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-1-C

Lab Sample ID: 460-109447-1

Client ID: A1

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

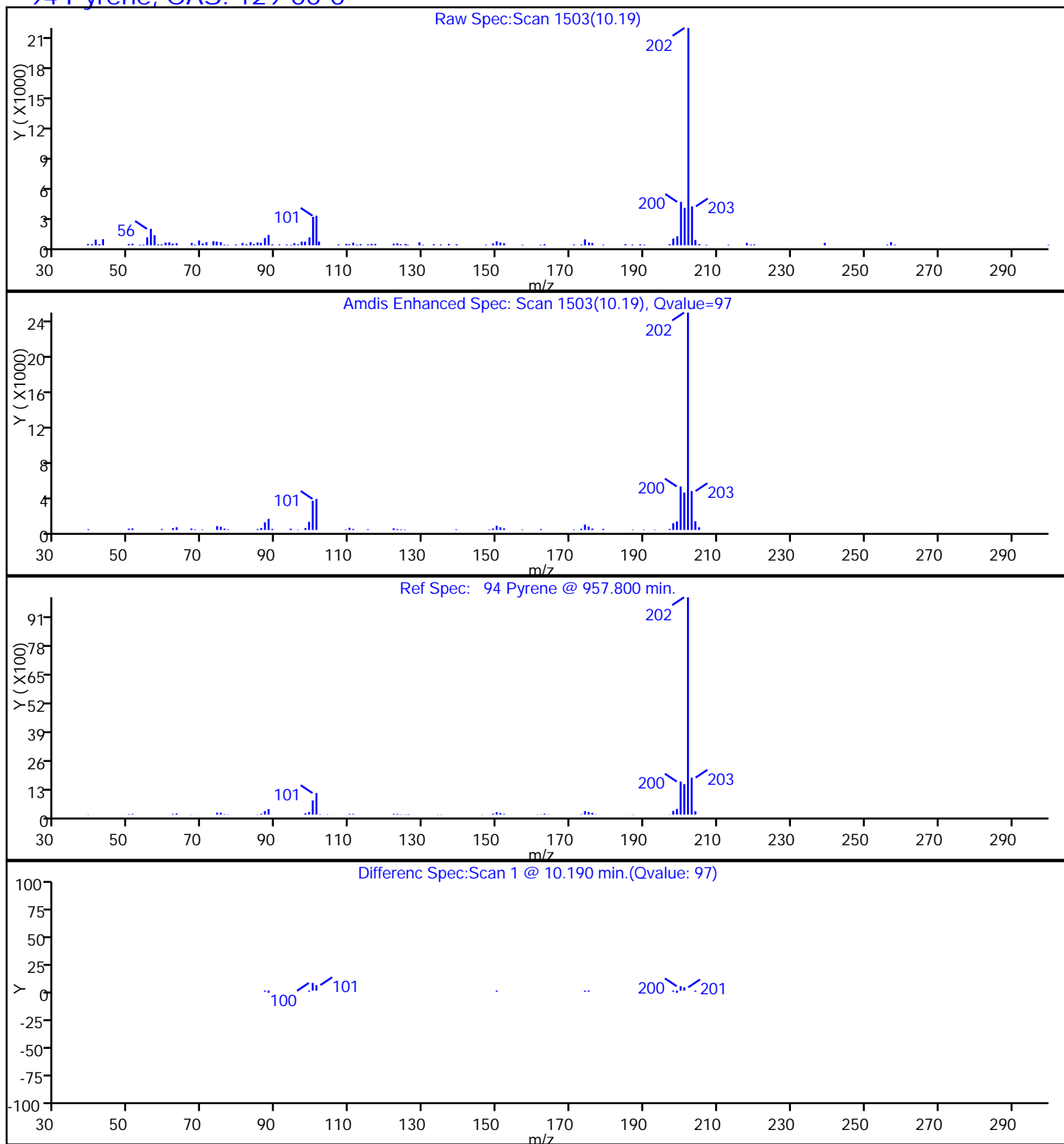
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



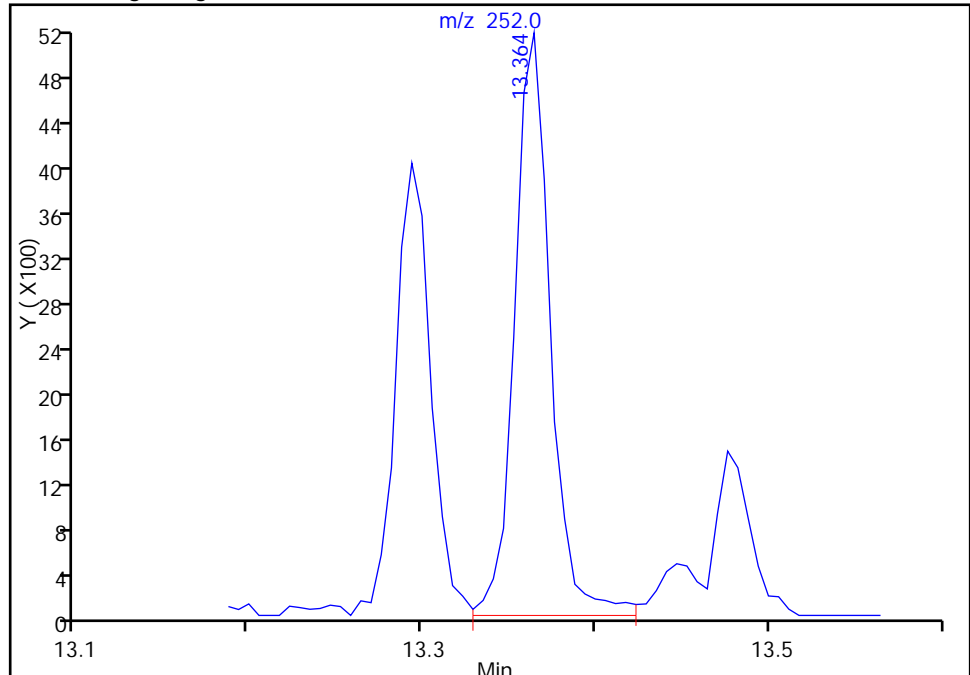
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41219.D
Injection Date: 29-Feb-2016 07:01:30 Instrument ID: CBNAMS11
Lims ID: 460-109447-A-1-C Lab Sample ID: 460-109447-1
Client ID: A1
Operator ID: ALS Bottle#: 27 Worklist Smp#: 27
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) Detector: MS SCAN

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

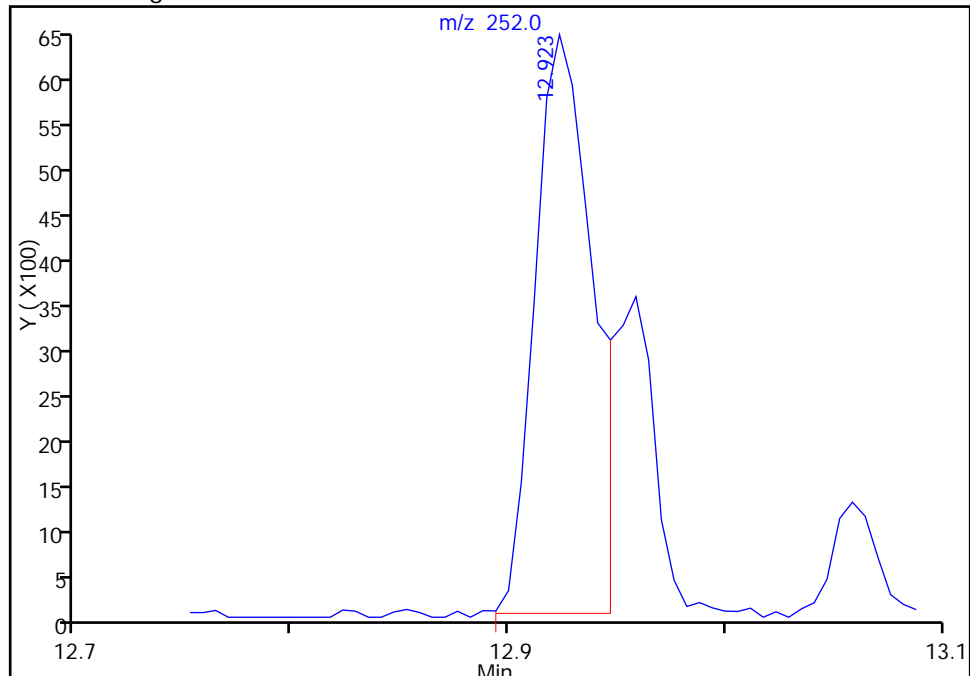
RT: 13.36
Area: 7354
Amount: 1.519475
Amount Units: ug/ml

Processing Integration Results



RT: 12.92
Area: 11948
Amount: 2.468682
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 29-Feb-2016 12:33:04
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: <u>A2</u>	Lab Sample ID: <u>460-109447-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41220.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0604(g)</u>	Date Analyzed: <u>02/29/2016 07:24</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>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	350	U	350	30
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U	350	26
108-60-1	2,2'-oxybis[1-chloropropane]	350	U *	350	15
58-90-2	2,3,4,6-Tetrachlorophenol	350	U	350	33
95-95-4	2,4,5-Trichlorophenol	350	U	350	35
88-06-2	2,4,6-Trichlorophenol	140	U	140	10
120-83-2	2,4-Dichlorophenol	140	U	140	8.4
105-67-9	2,4-Dimethylphenol	350	U	350	78
51-28-5	2,4-Dinitrophenol	290	U	290	270
121-14-2	2,4-Dinitrotoluene	72	U	72	14
606-20-2	2,6-Dinitrotoluene	72	U	72	19
91-58-7	2-Chloronaphthalene	350	U	350	8.1
95-57-8	2-Chlorophenol	350	U	350	9.0
91-57-6	2-Methylnaphthalene	9.1	J	350	7.8
95-48-7	2-Methylphenol	350	U	350	15
88-74-4	2-Nitroaniline	350	U	350	12
88-75-5	2-Nitrophenol	350	U	350	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	40
99-09-2	3-Nitroaniline	350	U	350	11
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	95
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
59-50-7	4-Chloro-3-methylphenol	350	U	350	15
106-47-8	4-Chloroaniline	350	U	350	9.1
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	11
106-44-5	4-Methylphenol	350	U	350	9.7
100-01-6	4-Nitroaniline	350	U	350	13
100-02-7	4-Nitrophenol	720	U	720	170
83-32-9	Acenaphthene	350	U	350	8.6
208-96-8	Acenaphthylene	350	U	350	9.1
98-86-2	Acetophenone	350	U	350	7.7
120-12-7	Anthracene	350	U	350	34
1912-24-9	Atrazine	140	U	140	16
100-52-7	Benzaldehyde	350	U	350	27
56-55-3	Benzo[a]anthracene	74		35	30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: <u>A2</u>	Lab Sample ID: <u>460-109447-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41220.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0604(g)</u>	Date Analyzed: <u>02/29/2016 07:24</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>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	73		35	11
205-99-2	Benzo[b]fluoranthene	110		35	14
191-24-2	Benzo[g,h,i]perylene	70	J	350	20
207-08-9	Benzo[k]fluoranthene	40		35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.4
117-81-7	Bis(2-ethylhexyl) phthalate	350	U	350	14
85-68-7	Butyl benzyl phthalate	350	U	350	11
105-60-2	Caprolactam	350	U	350	26
86-74-8	Carbazole	350	U	350	8.8
218-01-9	Chrysene	81	J	350	9.7
53-70-3	Dibenz(a,h)anthracene	24	J	35	18
132-64-9	Dibenzofuran	350	U	350	11
84-66-2	Diethyl phthalate	350	U	350	10
131-11-3	Dimethyl phthalate	350	U	350	10
84-74-2	Di-n-butyl phthalate	350	U	350	11
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	100	J	350	11
86-73-7	Fluorene	350	U	350	7.7
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	72	U	72	10
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	81		35	24
78-59-1	Isophorone	140	U	140	7.6
91-20-3	Naphthalene	350	U	350	9.0
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	32
87-86-5	Pentachlorophenol	290	U	290	43
85-01-8	Phenanthrene	32	J	350	9.5
108-95-2	Phenol	350	U	350	12
129-00-0	Pyrene	99	J	350	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: <u>A2</u>	Lab Sample ID: <u>460-109447-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41220.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0604(g)</u>	Date Analyzed: <u>02/29/2016 07:24</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>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	65		10-95
321-60-8	2-Fluorobiphenyl	70		27-84
367-12-4	2-Fluorophenol (Surr)	60		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	68		28-92
4165-62-2	Phenol-d5 (Surr)	64		22-88
1718-51-0	Terphenyl-d14 (Surr)	91		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D
 Lims ID: 460-109447-A-2-B Lab Sample ID: 460-109447-2
 Client ID: A2
 Sample Type: Client
 Inject. Date: 29-Feb-2016 07:24:30 ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037822-028
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 12:33:06 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: szczecha

Date: 29-Feb-2016 12:34:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.048	2.977	0.071	96	200804	30.0	
\$ 6 Phenol-d5	99	3.912	3.906	0.006	85	251616	31.9	
* 14 1,4-Dichlorobenzene-d4	152	4.271	4.259	0.012	95	186147	40.0	
\$ 26 Nitrobenzene-d5	82	4.824	4.824	0.000	87	228336	34.1	
* 38 Naphthalene-d8	136	5.547	5.542	0.005	99	667382	40.0	
44 2-Methylnaphthalene	142	6.265	6.265	0.000	85	1387	0.1265	
\$ 51 2-Fluorobiphenyl	172	6.636	6.635	0.001	98	444271	35.1	
* 65 Acenaphthene-d10	164	7.306	7.300	0.006	93	314592	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.083	8.088	-0.005	93	43993	32.6	
* 87 Phenanthrene-d10	188	8.771	8.771	0.000	99	405000	40.0	
88 Phenanthrene	178	8.794	8.794	0.000	94	5165	0.4490	
92 Fluoranthene	202	9.971	9.971	0.000	98	13623	1.43	
94 Pyrene	202	10.194	10.194	0.000	97	11180	1.38	
\$ 96 Terphenyl-d14	244	10.353	10.353	0.000	99	253699	45.7	
101 Benzo[a]anthracene	228	11.518	11.518	0.000	97	5937	1.04	
* 102 Chrysene-d12	240	11.529	11.529	0.000	99	185507	40.0	
103 Chrysene	228	11.559	11.565	-0.006	98	5544	1.13	
106 Benzo[b]fluoranthene	252	12.923	12.923	0.000	98	6827	1.55	
107 Benzo[k]fluoranthene	252	12.959	12.959	0.000	97	2623	0.5583	M
108 Benzo[a]pyrene	252	13.365	13.364	0.001	95	4157	1.02	
* 109 Perylene-d12	264	13.447	13.441	0.006	98	147501	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.941	14.947	-0.006	98	3467	1.12	
111 Dibenz(a,h)anthracene	278	14.976	14.982	-0.006	93	1084	0.3359	
112 Benzo[g,h,i]perylene	276	15.353	15.364	-0.011	96	3209	0.9710	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00102

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Worklist Smp#: 28

Client ID: A2

Injection Vol: 1.0 ul

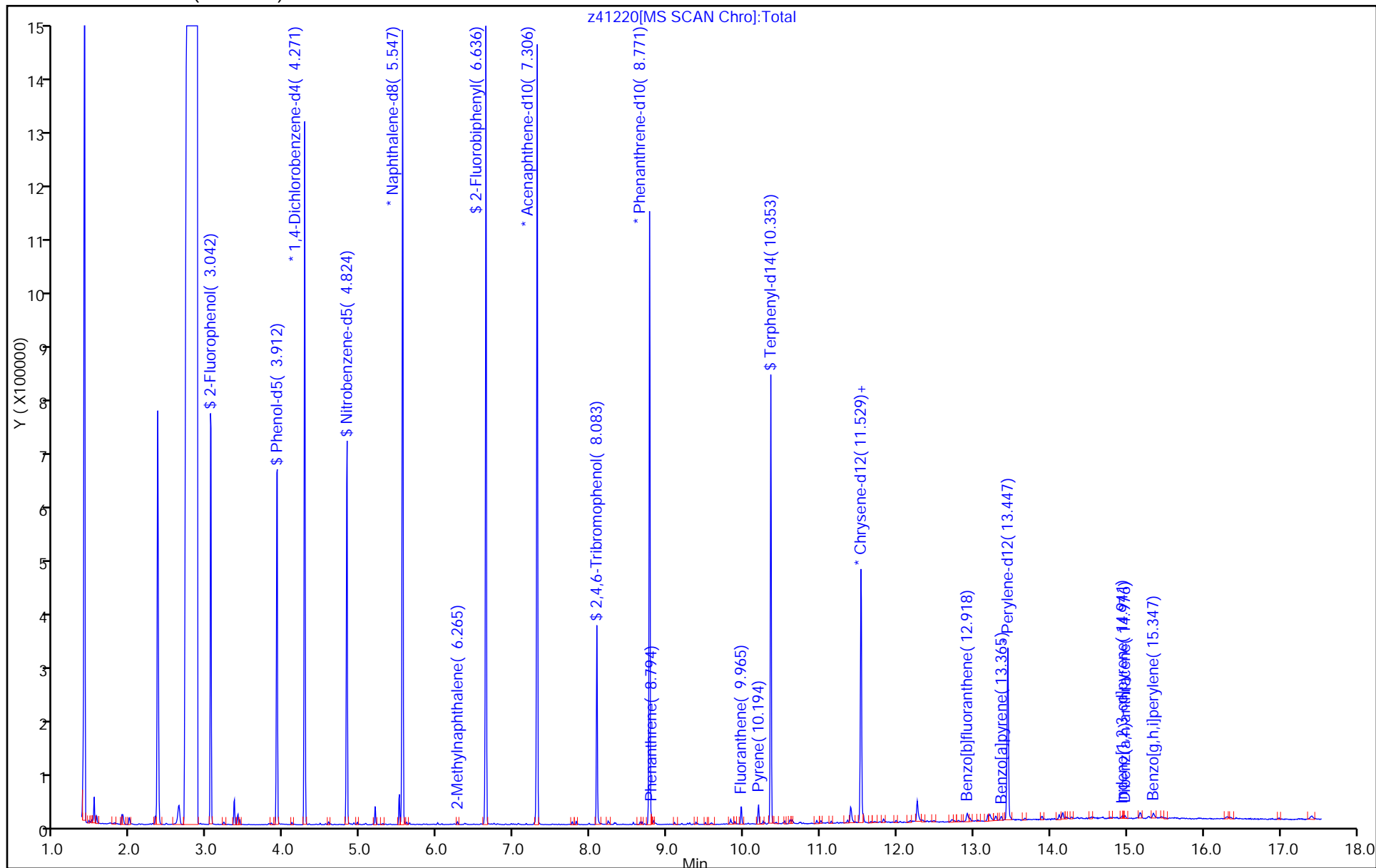
Dil. Factor: 1.0000

ALS Bottle#: 28

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

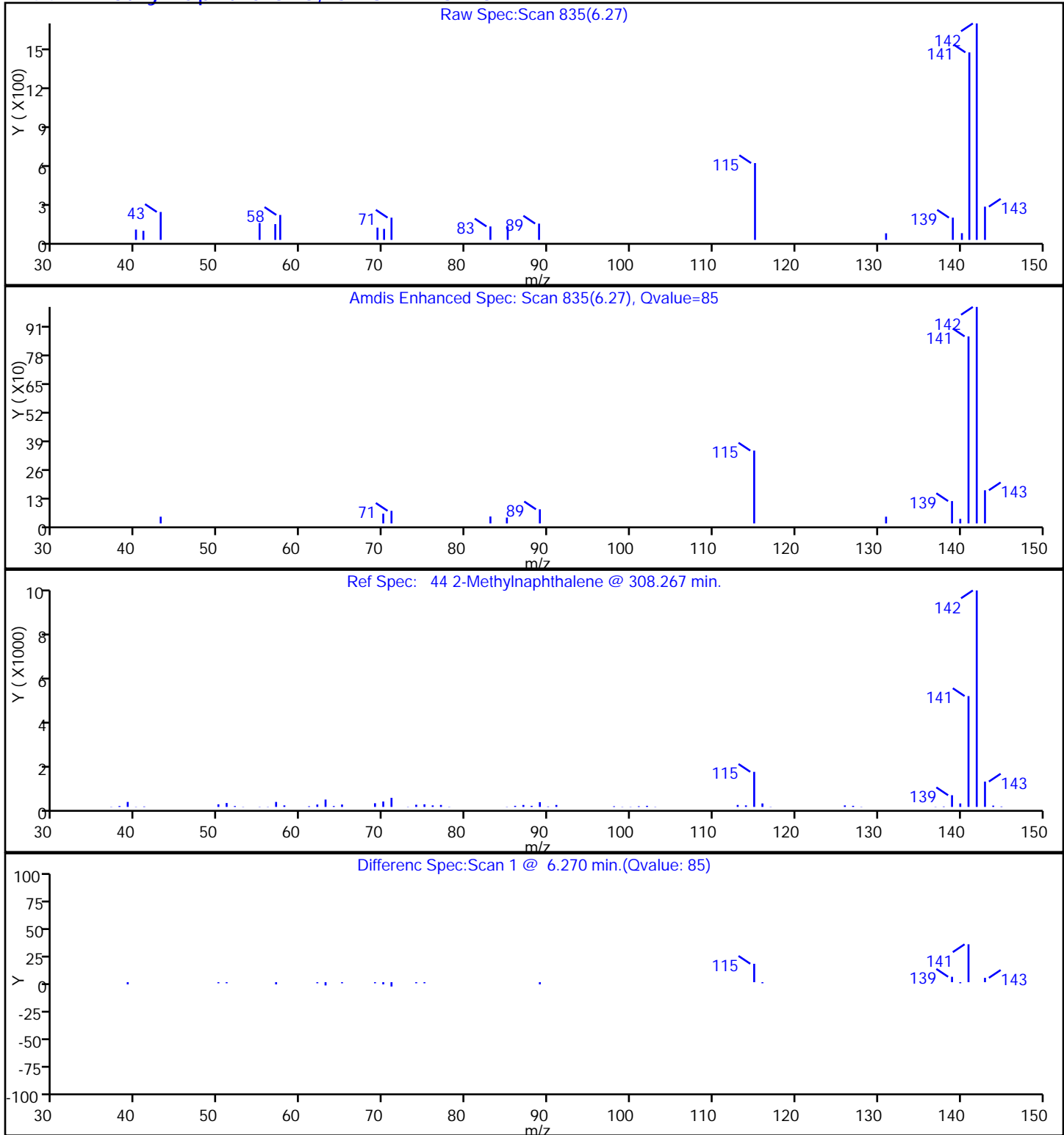
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#: 28

Worklist Smp#: 28

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

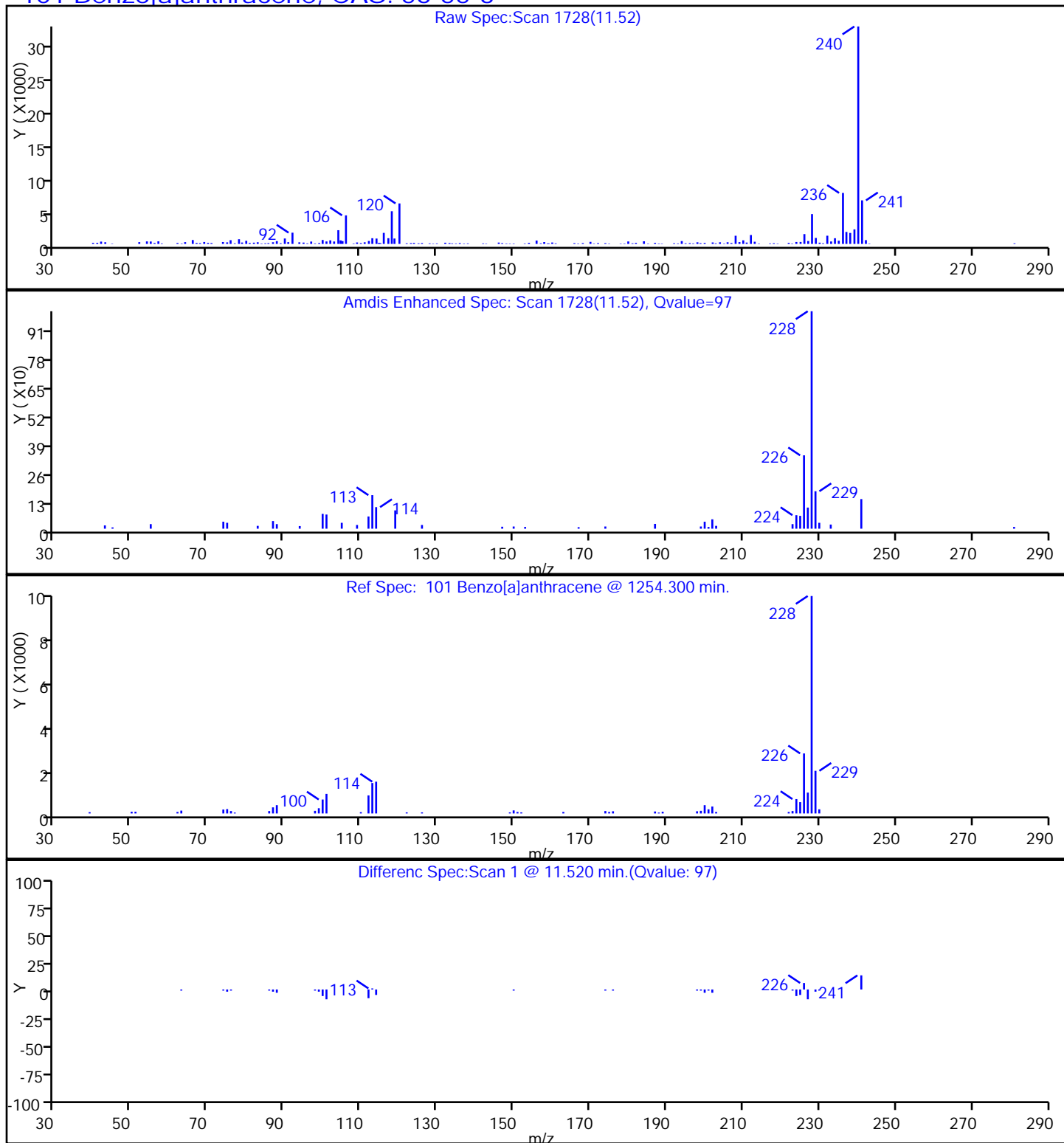
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

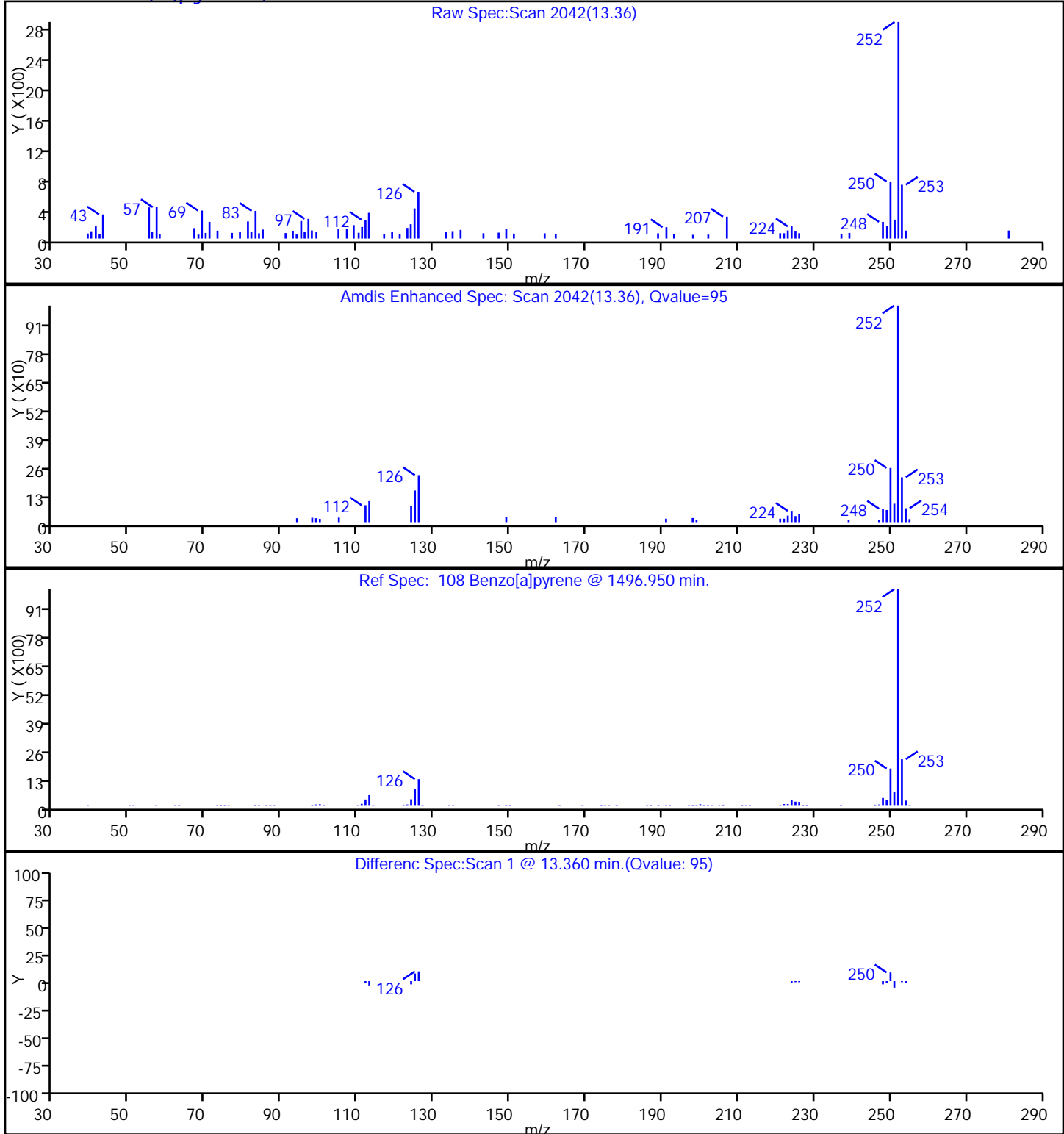
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

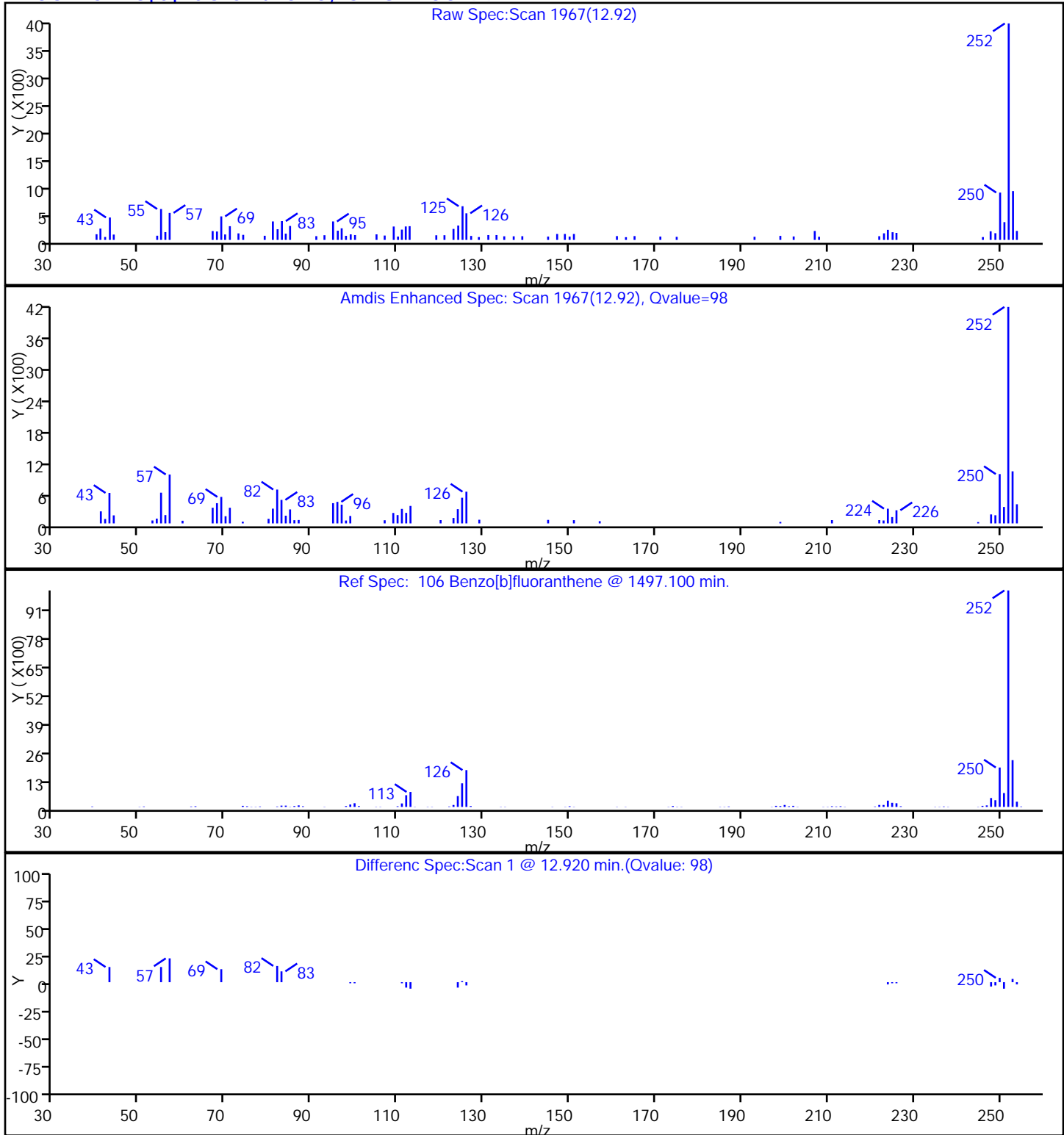
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

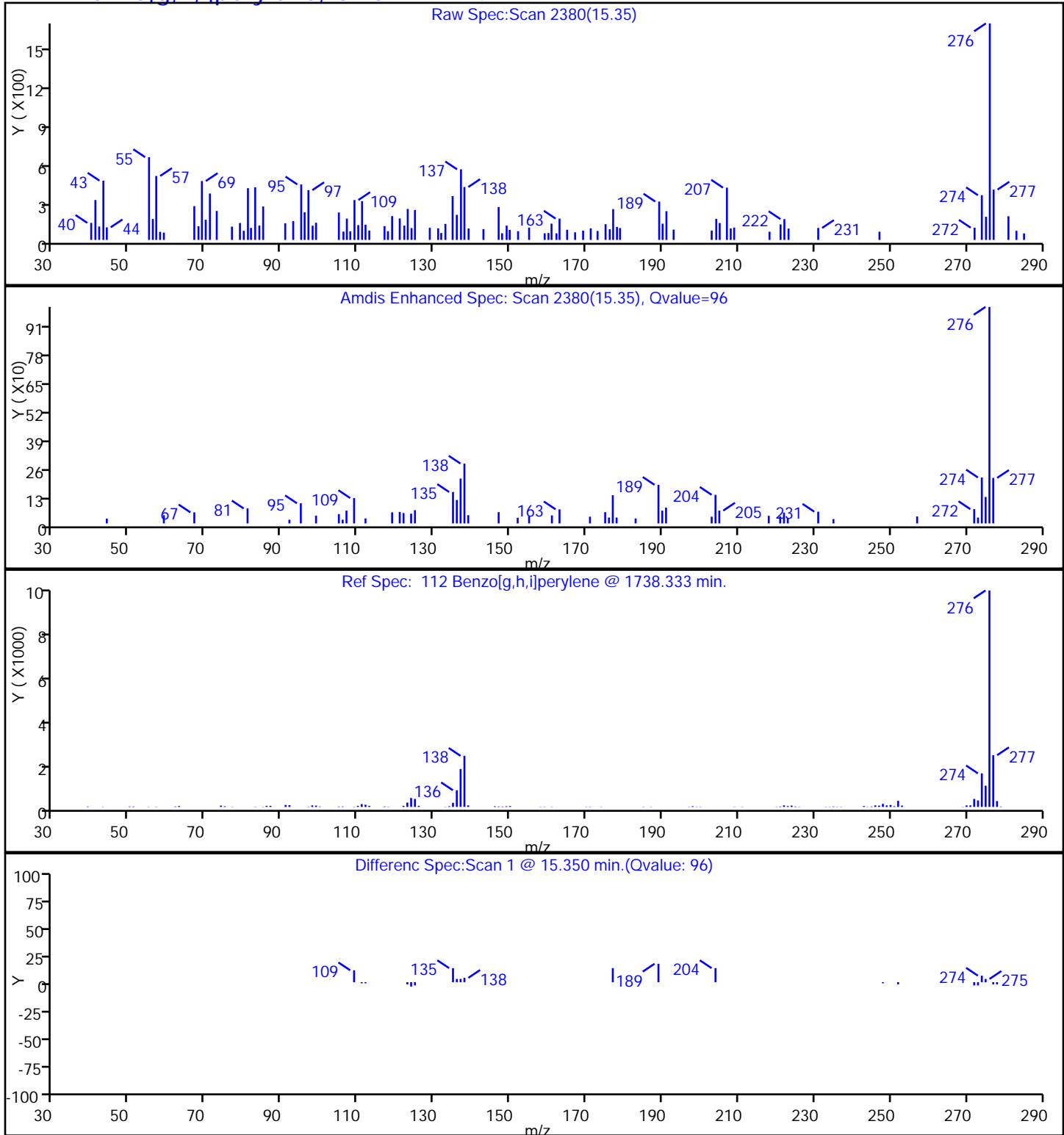
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

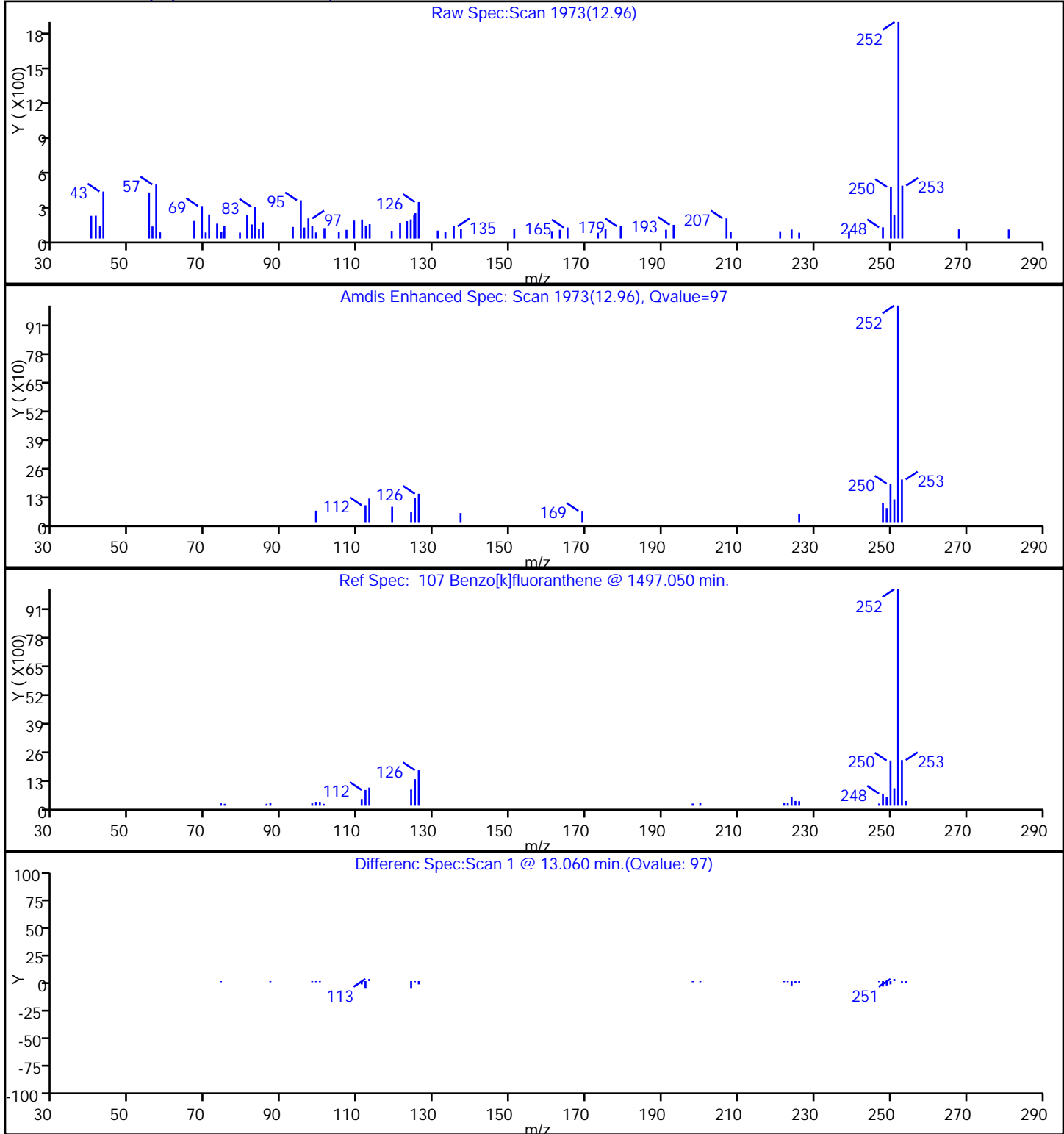
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

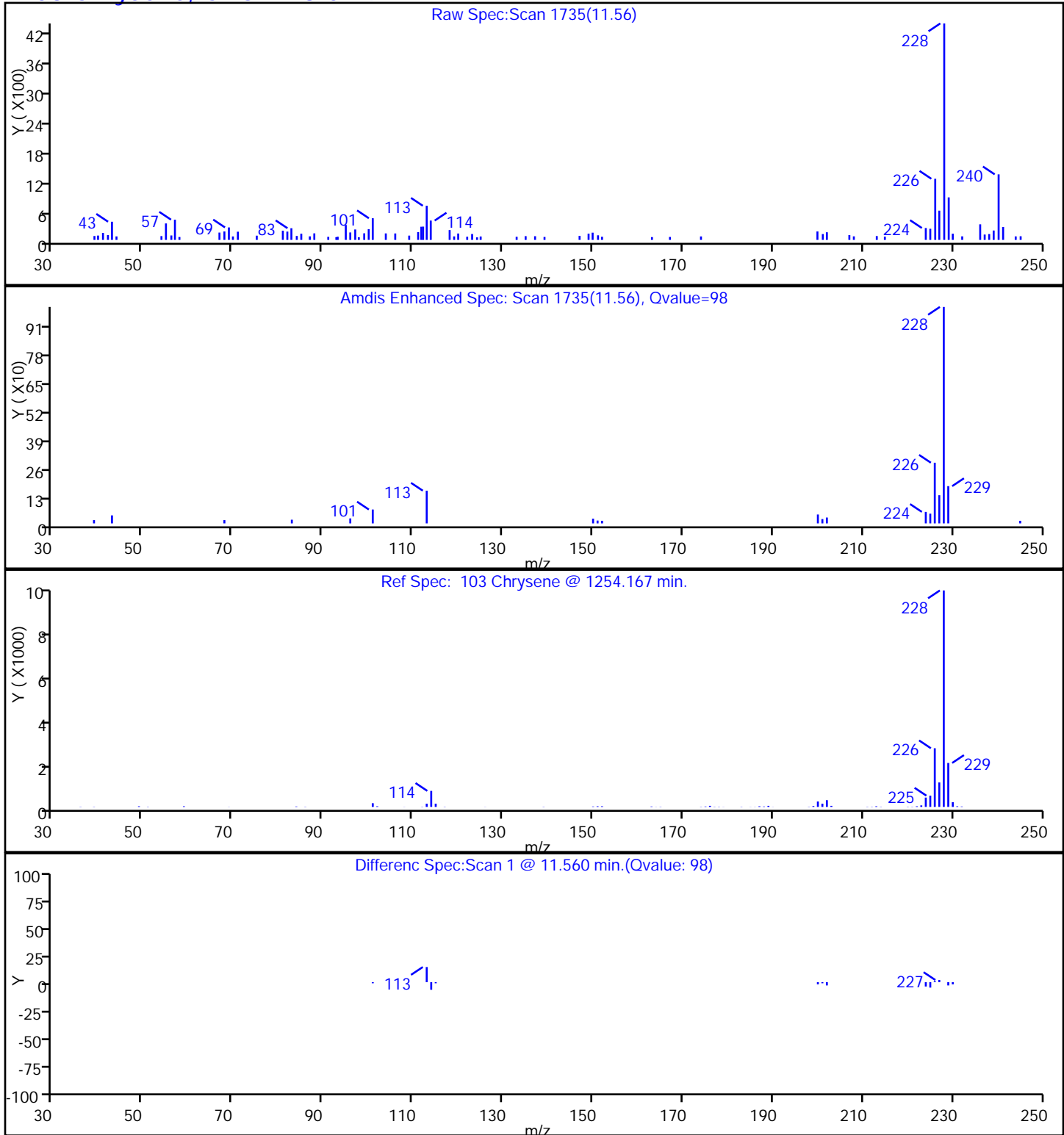
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

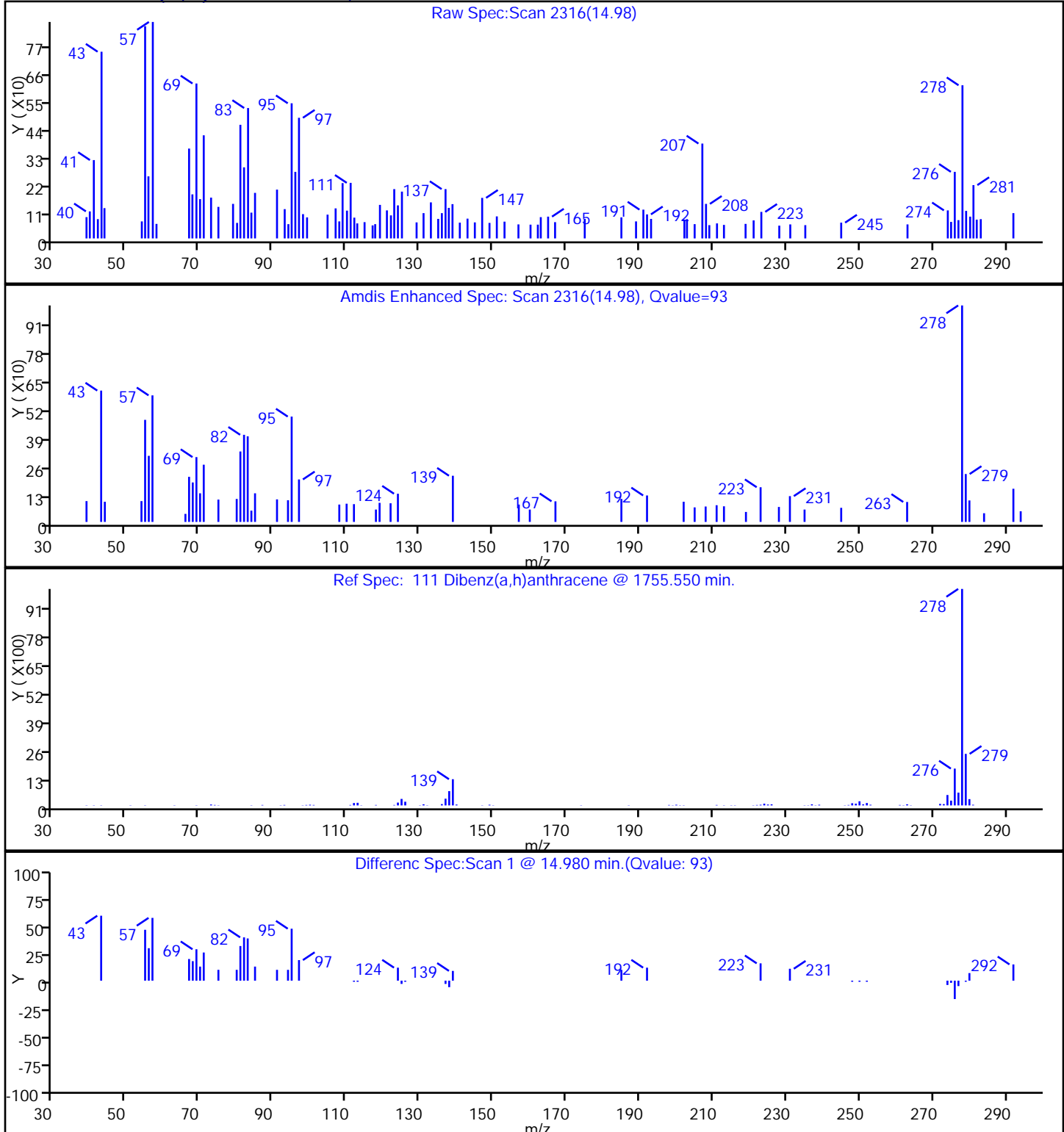
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

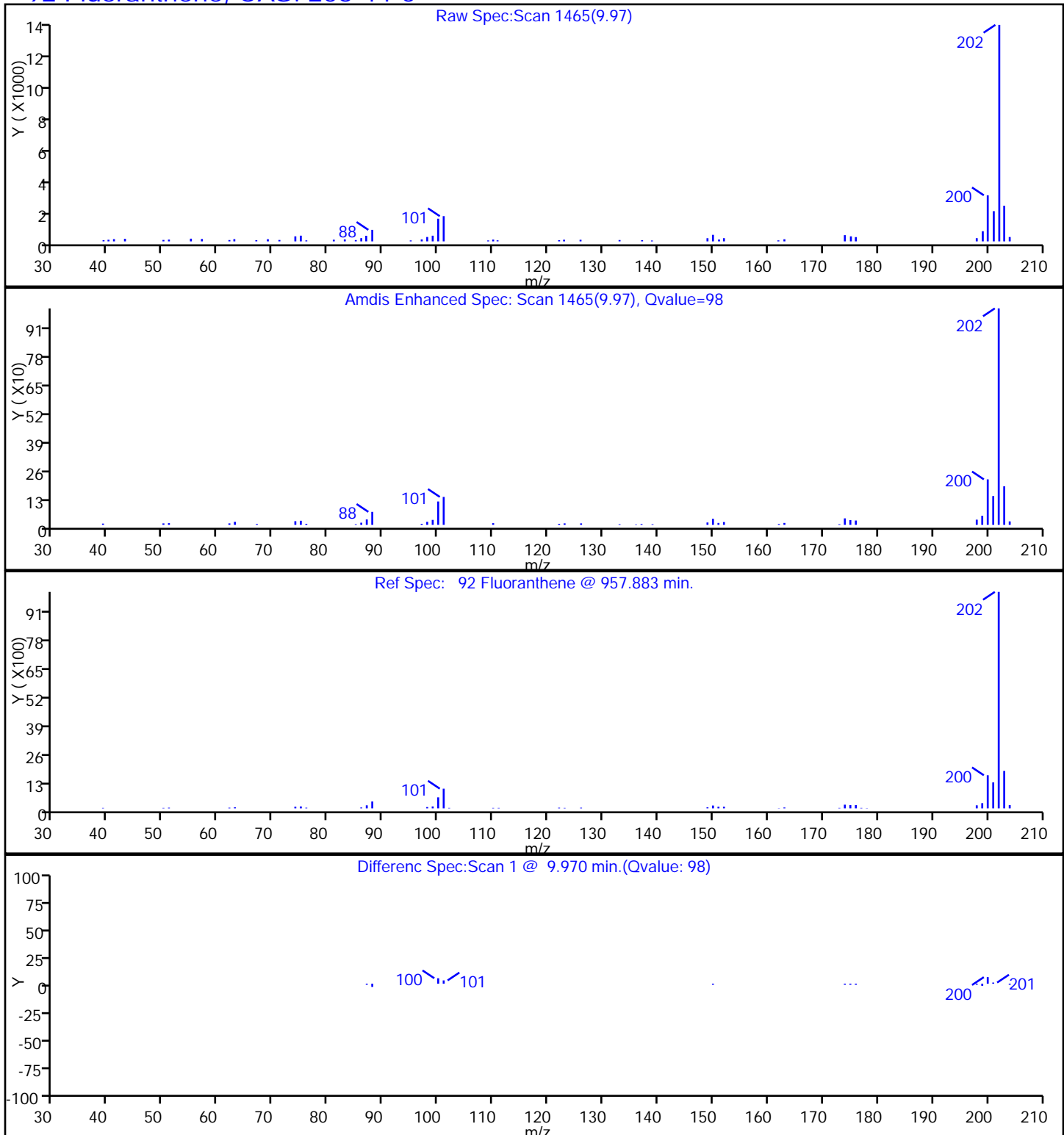
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

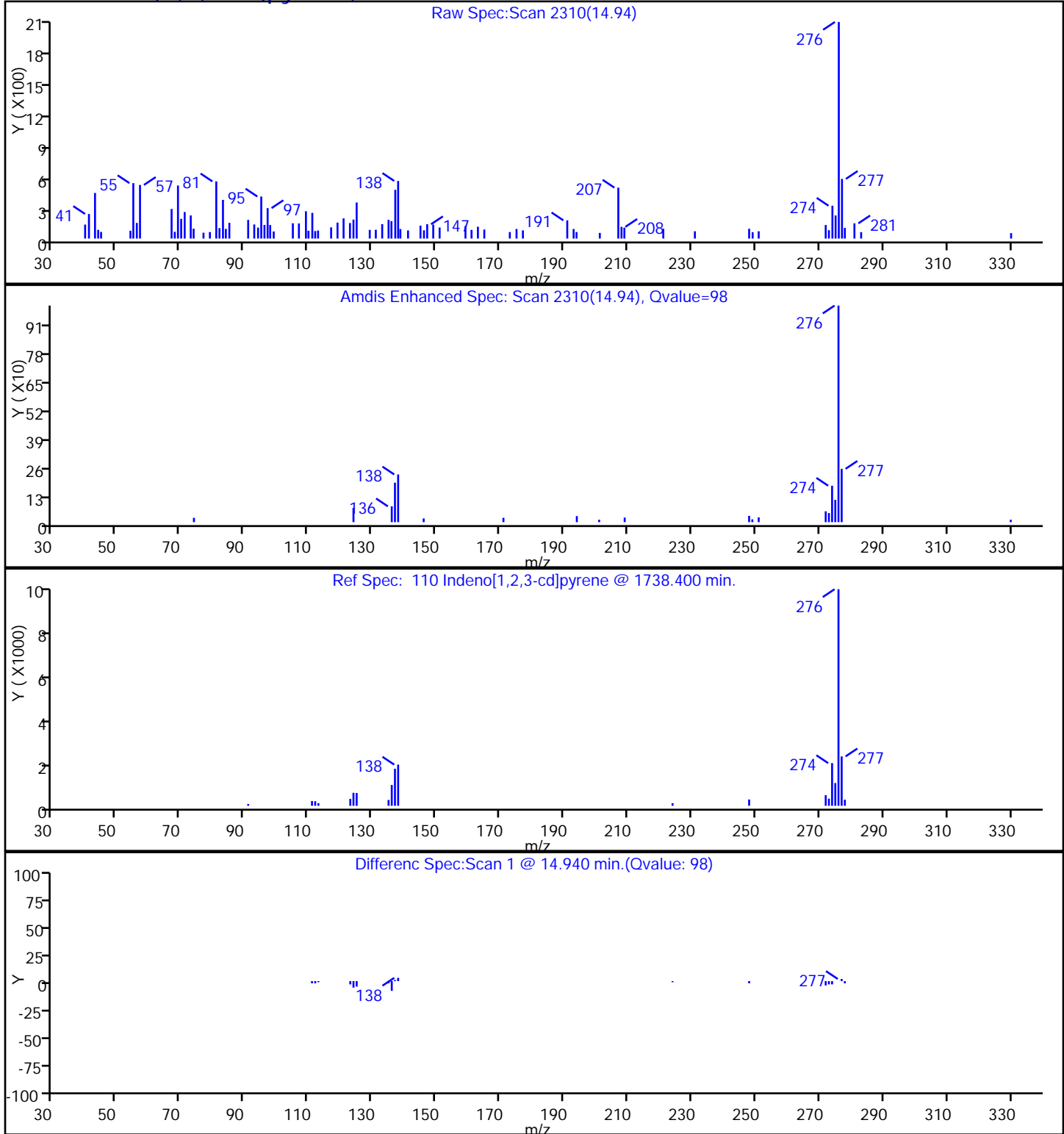
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 28

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

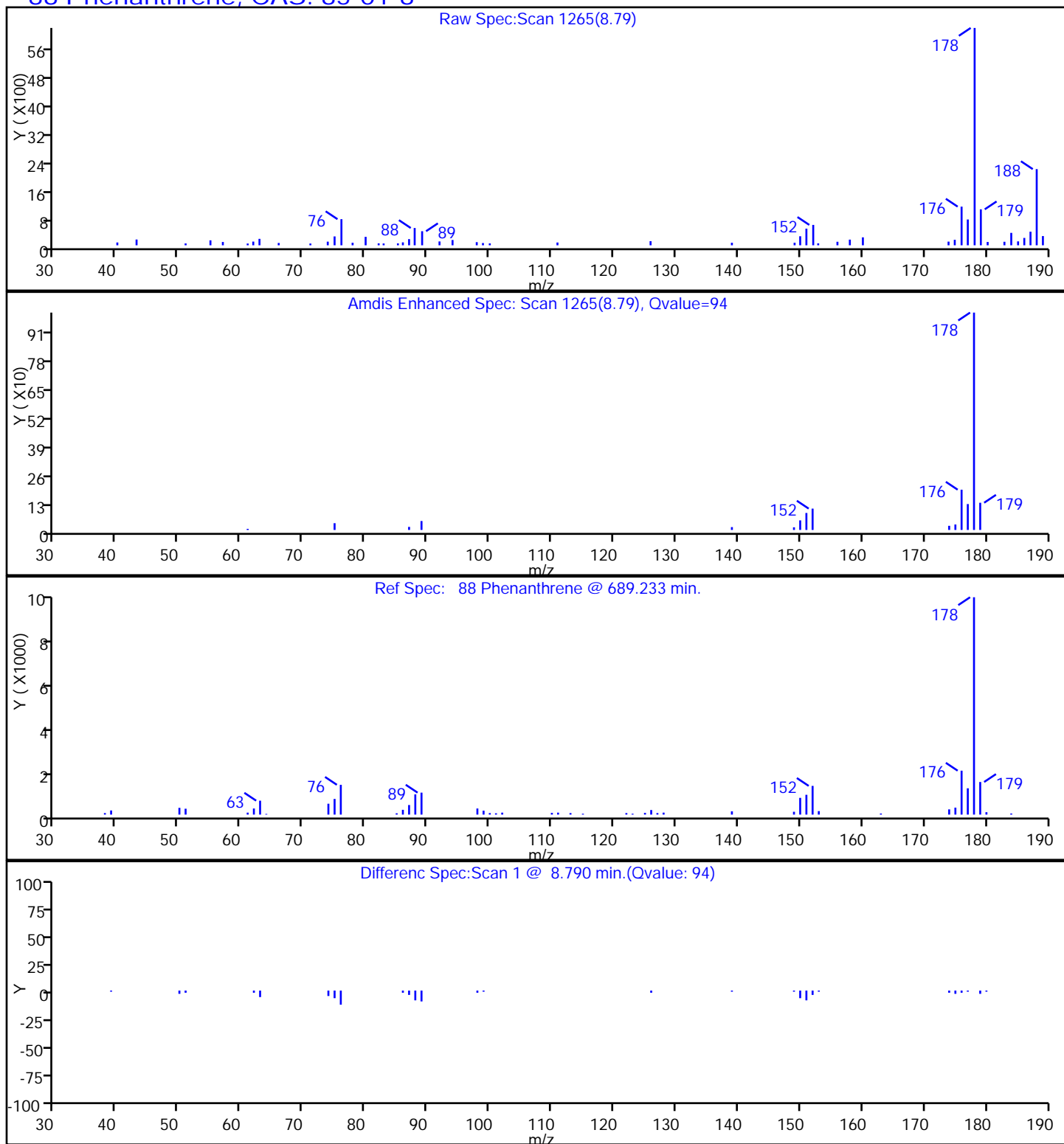
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D

Injection Date: 29-Feb-2016 07:24:30

Instrument ID: CBNAMS11

Lims ID: 460-109447-A-2-B

Lab Sample ID: 460-109447-2

Client ID: A2

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

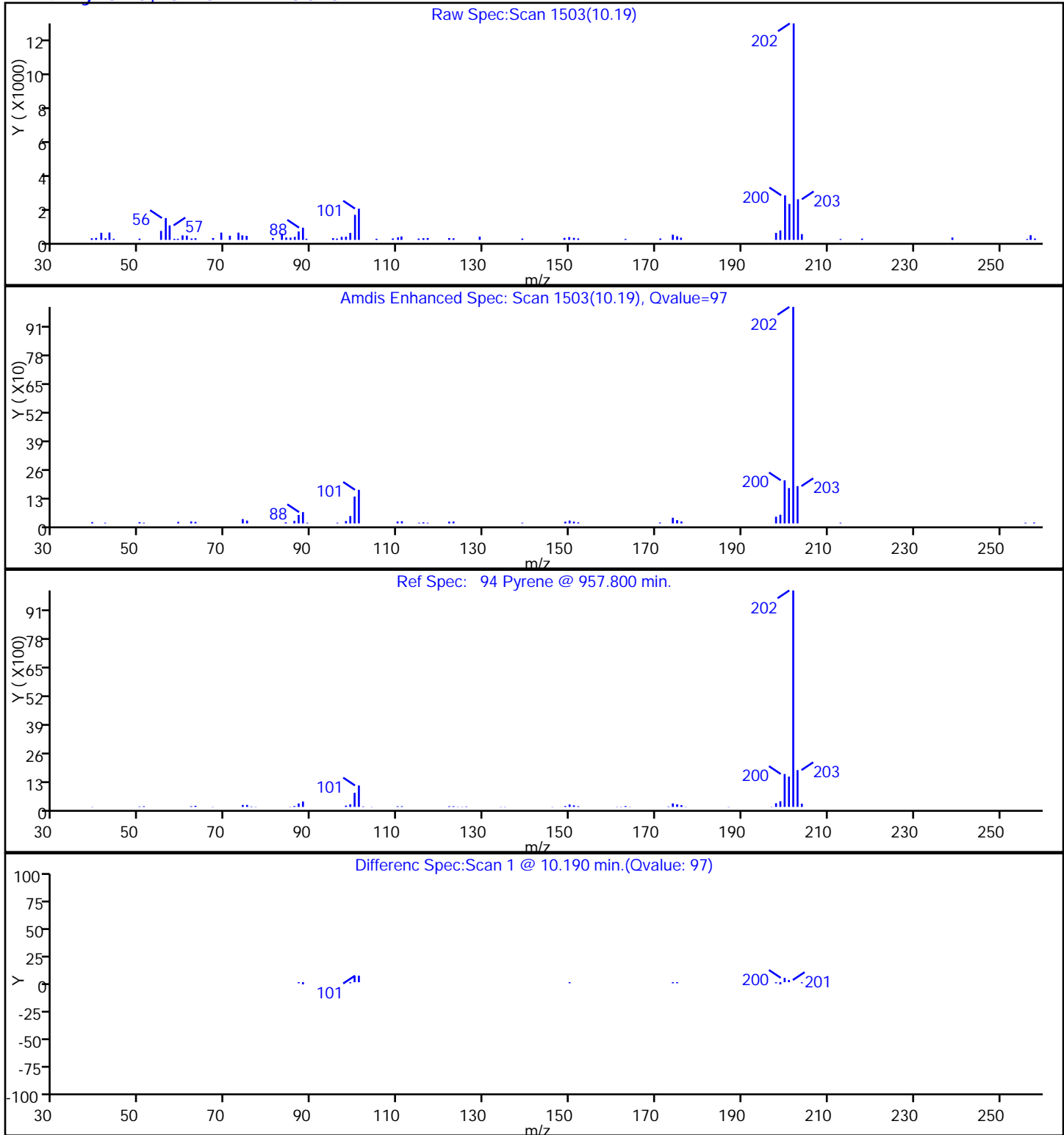
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



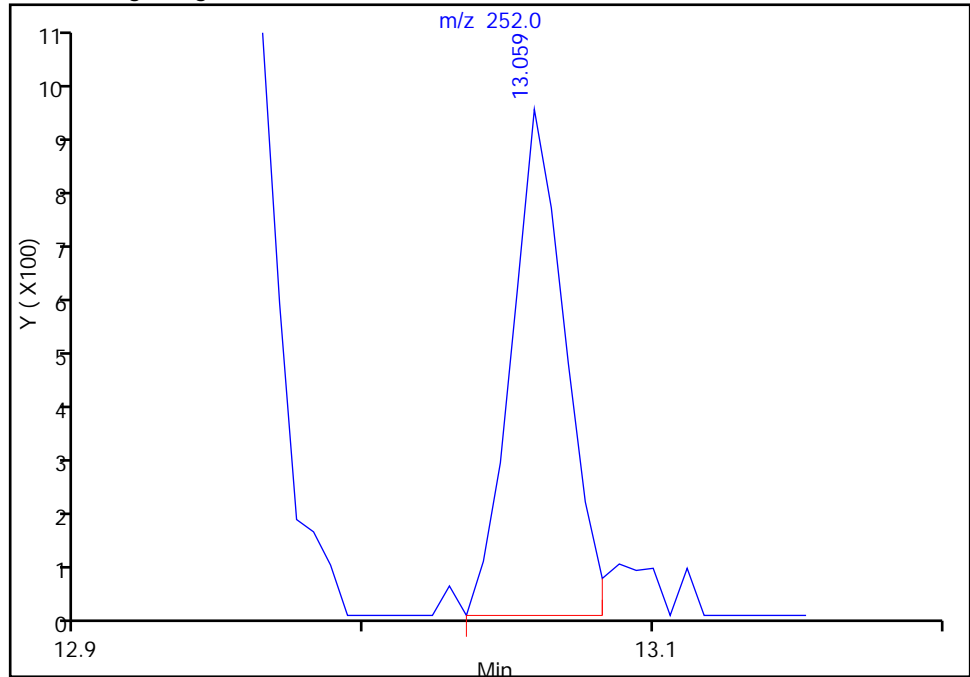
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41220.D
Injection Date: 29-Feb-2016 07:24:30 Instrument ID: CBNAMS11
Lims ID: 460-109447-A-2-B Lab Sample ID: 460-109447-2
Client ID: A2
Operator ID: ALS Bottle#: 28 Worklist Smp#: 28
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) Detector: MS SCAN

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

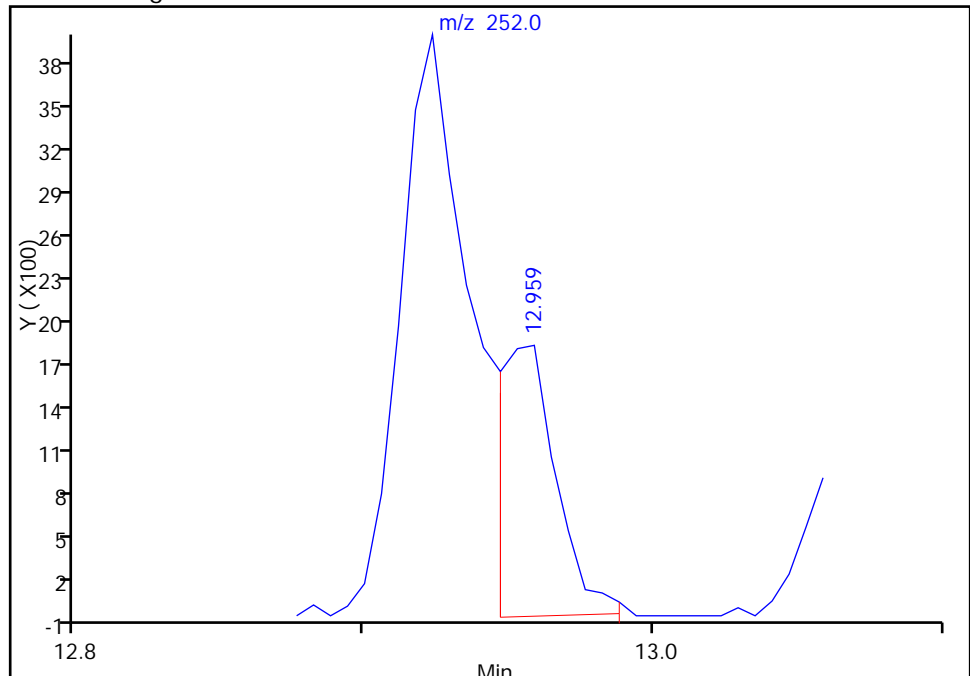
RT: 13.06
Area: 1219
Amount: 0.259442
Amount Units: ug/ml

Processing Integration Results



RT: 12.96
Area: 2623
Amount: 0.558257
Amount Units: ug/ml

Manual Integration Results



Reviewer: manlangitf, 29-Feb-2016 09:54:29
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.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-351930/10	z40945.D
Level 2	STD1 460-351930/9	z40944.D
Level 3	STD2 460-351930/8	z40943.D
Level 4	STD5 460-351930/7	z40942.D
Level 5	STD10 460-351930/6	z40941.D
Level 6	STD20 460-351930/5	z40940.D
Level 7	ICIS 460-351930/2	z40937.D
Level 8	STD80 460-351930/4	z40939.D
Level 9	STD120 460-351930/3	z40938.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	0.6395	0.6528	0.6057	0.5272 0.6026	0.6609	Ave		0.6148				8.0		20.0			
N-Nitrosodimethylamine	0.9108	0.9369	0.9024	0.7870 0.9299	0.9713	Ave		0.9064				7.0		20.0			
Pyridine	1.6140	1.5937	1.5358	1.3711 1.5804	1.6971	Ave		1.5654				7.0		20.0			
Phenol	1.7295	1.7472	1.6926	1.4961 1.6917	1.8450	Ave		1.7004			0.8000	6.7		20.0			
Aniline	2.1646	2.1553	2.1462	1.8308 2.1374	2.2958	Ave		2.1217				7.3		20.0			
Bis(2-chloroethyl)ether	1.6369 1.4505	1.5738 1.4001	1.4918 1.3846	1.2314 1.4879	1.5411	Ave		1.4665			0.7000	8.1		20.0			
2-Chlorophenol	1.4726	1.4219	1.3749	1.2391 1.3705	1.5655	Ave		1.4074			0.8000	7.8		20.0			
n-Decane	2.3357	2.2086	1.9687	1.9859 1.8838	2.4724	Ave		2.1425				10.9		20.0			
1,3-Dichlorobenzene	1.6382	1.5696	1.4797	1.4020 1.4605	1.7218	Ave		1.5453				7.8		20.0			
1,4-Dichlorobenzene	1.6336	1.5591	1.4544	1.4019 1.4470	1.7340	Ave		1.5383				8.3		20.0			
Benzyl alcohol	0.8081	0.8715	0.8348	0.7130 0.8873	0.8447	Ave		0.8266				7.5		20.0			
1,2-Dichlorobenzene	1.5423	1.4547	1.3826	1.3340 1.3408	1.6201	Ave		1.4457				8.0		20.0			
2-Methylphenol	1.2390	1.2026	1.1924	1.0534 1.1987	1.3335	Ave		1.2032			0.7000	7.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-109447-1 Analy Batch No.: 351930
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	2.7211	2.5975	2.4068	2.3439 2.3333	2.9002	Ave		2.5505			0.0100	9.0		20.0			
Acetophenone	1.6635	1.5177	1.4736	1.4919 1.5356	1.8096	Ave		1.5820			0.0100	8.2		20.0			
3 & 4 Methylphenol	1.3215	1.1920	1.2014	1.1562 1.2390	1.4388	Ave		1.2581				8.3		20.0			
4-Methylphenol	1.3215	1.1920	1.2014	1.1562 1.2390	1.4388	Ave		1.2581			0.6000	8.3		20.0			
N-Nitrosodi-n-propylamine	1.0748 0.9343	1.0064 0.8840	1.0363 0.8825	0.8288 0.9244	1.0101	Ave		0.9535			0.5000	8.6		20.0			
Hexachloroethane	0.6469 0.6413	0.6807 0.5936	0.6361 0.5729	0.5343 0.5738	0.6543	Ave		0.6149			0.3000	7.8		20.0			
Nitrobenzene	0.5964 0.5350	0.5713 0.5098	0.5597 0.4762	0.4602 0.4771	0.5630	Ave		0.5276			0.2000	9.2		20.0			
n,n'-Dimethylaniline	2.1674 1.9965	2.0023 1.8963	2.2137 1.7671	1.7924 1.8186	2.0329	Ave		1.9653				8.1		20.0			
Isophorone	0.6663	0.6300	0.7071 0.6318	0.5473 0.6543	0.7016	Ave		0.6483			0.4000	8.3		20.0			
2-Nitrophenol	0.2031	0.1961	0.1944	0.1617 0.1982	0.2119	Ave		0.1942			0.1000	8.8		20.0			
2,4-Dimethylphenol	0.3280	0.3194	0.3082	0.2727 0.3090	0.3464	Ave		0.3140			0.2000	7.9		20.0			
Bis(2-chloroethoxy)methane	0.4359	0.4121	0.4009	0.3586 0.4047	0.4533	Ave		0.4109			0.3000	7.9		20.0			
Benzoic acid	0.1992	0.1697	0.1794	0.1139 0.1917	0.1864	Lin	-0.303	0.1897							0.9960		0.9900
2,4-Dichlorophenol	0.2957	0.2822	0.2732	0.2290 0.2726	0.3046	Ave		0.2762			0.2000	9.5		20.0			
1,2,4-Trichlorobenzene	0.3552 0.3238	0.3352 0.3058	0.3263 0.2953	0.2683 0.2869	0.3440	Ave		0.3156				9.0		20.0			
Naphthalene	1.1096	1.0172	0.9658	0.9305 0.9450	1.1787	Ave		1.0245			0.7000	9.7		20.0			
4-Chloroaniline	0.4401	0.4055	0.3877	0.3807 0.3817	0.4712	Ave		0.4112			0.0100	9.0		20.0			
Hexachlorobutadiene	0.1787 0.1739	0.1724 0.1670	0.1564	0.1438 0.1562	0.1816	Ave		0.1662			0.0100	7.8		20.0			
4-Chloro-3-methylphenol	0.2725	0.2670	0.2571	0.2161 0.2632	0.2654	Ave		0.2569			0.2000	8.0		20.0			
2-Methylnaphthalene	0.7093	0.6565	0.6222	0.5910 0.6180	0.7451	Ave		0.6570			0.4000	9.0		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.: 460-109447-1 Analy Batch No.: 351930
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

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	0.6123	0.5626	0.5405	0.5212 0.5374	0.6518	Ave		0.5709				8.9		20.0			
Hexachlorocyclopentadiene	0.3927	0.3579	0.4013	0.2515 0.4022	0.3976	Lin2	-0.661	0.4103			0.0500				0.9900		0.9900
1,2,4,5-Tetrachlorobenzene	0.6579	0.5586	0.5893	0.4822 0.5646	0.7016	Ave		0.5924			0.0100	13.1		20.0			
2-tertbutyl-4-methylphenol	0.4377	0.4298	0.4032	0.3720 0.4113	0.4154	Ave		0.4116				5.6		20.0			
2,4,6-Trichlorophenol	0.4287	0.3750	0.4032 0.4125	0.2990 0.4309	0.4314	Ave		0.3973			0.2000	12.0		20.0			
2,4,5-Trichlorophenol	0.4195	0.3879	0.4050	0.3061 0.4131	0.4293	Ave		0.3935			0.2000	11.4		20.0			
1,1'-Biphenyl	1.8977	1.6001	1.6705	1.3850 1.6258	2.0125	Ave		1.6986			0.0100	13.2		20.0			
2-Chloronaphthalene	1.3953	1.1969	1.2634	1.0516 1.2215	1.4789	Ave		1.2679			0.8000	11.9		20.0			
Phenyl ether	0.9582	0.8494	0.8872	0.7172 0.9003	0.9321	Ave		0.8741				9.8		20.0			
2-Nitroaniline	0.5620	0.4780	0.5099	0.3935 0.5171	0.5738	Ave		0.5057			0.0100	12.9		20.0			
1,3-Dimethylnaphthalene	1.2033	1.0323	1.0618	0.8797 1.0707	1.2065	Ave		1.0757				11.3		20.0			
Dimethyl phthalate	1.3931	1.1560	1.2291	1.0000 1.2376	1.4185	Ave		1.2390			0.0100	12.5		20.0			
Coumarin	0.1943	0.1774	0.1703	0.1625 0.1790	0.1853	Ave		0.1781				6.2		20.0			
2,6-Dinitrotoluene	0.3360	0.3040 0.2831	0.3109 0.3008	0.2276 0.3041	0.3356	Ave		0.3003			0.2000	11.4		20.0			
Acenaphthylene	2.1508	1.7868	1.9470	1.5406 1.9165	2.2832	Ave		1.9375			0.9000	13.6		20.0			
3-Nitroaniline	0.3733	0.3085	0.3357	0.2561 0.3455	0.3807	Ave		0.3333			0.0100	13.8		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.2041	1.0822	1.1381	0.8568 1.1530	1.1603	Ave		1.0991				11.4		20.0			
Acenaphthene	1.3975	1.1481	1.1417	1.0636 1.1148	1.5642	Ave		1.2383			0.9000	15.9		20.0			
2,4-Dinitrophenol	0.1780	0.1576	0.0944 0.1771	0.0900 0.1834	0.1586	Qua	-0.199	0.1571	0.0001145		0.0100				0.9990		0.9900
4-Nitrophenol	0.2544	0.2152	0.2328	0.1626 0.2443	0.2483	Ave		0.2263			0.0100	15.1		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
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-109447-1 Analy Batch No.: 351930
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

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	0.4118	0.3568 0.3370	0.3863 0.3626	0.2826 0.3641	0.4136	Ave		0.3644			0.2000	11.7		20.0			
Dibenzofuran	1.8479	1.5754	1.6491	1.3689 1.5956	1.9714	Ave		1.6680			0.8000	12.8		20.0			
2,3,4,6-Tetrachlorophenol	0.3112	0.2675	0.2897	0.2144 0.2955	0.3173	Ave		0.2826			0.0100	13.4		20.0			
Diethyl phthalate	1.3296	1.0590	1.1115	0.9355 1.0755	1.3357	Ave		1.1412			0.0100	14.0		20.0			
4-Chlorophenyl phenyl ether	0.6515	0.5322	0.5493	0.4656 0.5288	0.6849	Ave		0.5687			0.4000	14.6		20.0			
Fluorene	1.4518	1.1748	1.2104	1.0876 1.1946	1.5647	Ave		1.2807			0.9000	14.4		20.0			
4-Nitroaniline	0.3474	0.2699	0.2988	0.2375 0.3067	0.3460	Ave		0.3011			0.0100	14.3		20.0			
4,6-Dinitro-2-methylphenol	0.1428	0.1419	0.0986 0.1447	0.0914 0.1443	0.1323	Ave		0.1280			0.0100	18.0		20.0			
N-Nitrosodiphenylamine	0.6731	0.6642	0.6922 0.6306	0.5604 0.6048	0.7232	Ave		0.6498			0.0100	8.5		20.0			
1,2-Diphenylhydrazine	0.9746	0.9869	0.9638	0.7949 0.9289	1.0327	Ave		0.9470				8.6		20.0			
4-Bromophenyl phenyl ether	0.2437	0.2389	0.2372	0.1886 0.2301	0.2475	Ave		0.2310			0.1000	9.3		20.0			
Hexachlorobenzene	0.2654 0.2562	0.2493 0.2546	0.2433 0.2500	0.1974 0.2471	0.2629	Ave		0.2474			0.1000	8.1		20.0			
Pentachlorophenol	0.1393	0.1420	0.1106 0.1402	0.0924 0.1407	0.1304	Ave		0.1280			0.0500	15.0		20.0			
Pentachloronitrobenzene	0.0915	0.0902	0.0886	0.0648 0.0883	0.0842	Ave		0.0846			0.0100	11.8		20.0			
n-Octadecane	1.0132	1.0301	0.9708	0.7673 0.8964	1.0465	Ave		0.9540				11.1		20.0			
Phenanthrene	1.2211	1.1476	1.1000	0.9956 1.0664	1.2863	Ave		1.1362			0.7000	9.3		20.0			
Anthracene	1.2452	1.1634	1.1273	0.9929 1.0810	1.2907	Ave		1.1501			0.7000	9.4		20.0			
Carbazole	1.0619	0.9700	0.9397	0.8665 0.9084	1.1164	Ave		0.9772			0.0100	9.7		20.0			
Di-n-butyl phthalate	1.2609	1.1372	1.1083	0.9923 1.0818	1.2916	Ave		1.1453			0.0100	9.9		20.0			
Fluoranthene	1.0164	0.9269	0.9094	0.8341 0.8661	1.0822	Ave		0.9392			0.6000	10.0		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.: 460-109447-1 Analy Batch No.: 351930
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

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	0.5465	0.4863	0.5596	0.4073 0.5076	0.4924	Ave		0.4999				10.8		20.0			
Pyrene	1.9135	1.7471	1.6365	1.4470 1.7519	2.0105	Ave		1.7511			0.6000	11.4		20.0			
Bisphenol-A	0.3640	0.5927	0.5715	0.0800 0.6333	0.1851	Qua	-3.437	0.5863	0.0006042						0.9980		0.9900
Butyl benzyl phthalate	0.7204	0.6801	0.6739	0.5569 0.6911	0.7605	Ave		0.6805			0.0100	10.1		20.0			
2,3,7,8-TCDD		0.2083				Ave		0.2083						20.0			
Carbamazepine	0.4500	0.4786	0.5104	0.3358 0.5136	0.4048	Ave		0.4489				15.3		20.0			
3,3'-Dichlorobenzidine	0.4617	0.4254	0.3398 0.4625	0.2941 0.4593	0.3924	Ave		0.4050			0.0100	16.4		20.0			
Benzo[a]anthracene	1.5203 1.2300	1.3033 1.1853	1.1986 1.1962	0.9674 1.1948	1.2864	Ave		1.2314			0.8000	11.7		20.0			
Bis(2-ethylhexyl) phthalate	0.9725	0.9172	0.9272	0.7545 0.9306	1.0125	Ave		0.9191			0.0100	9.6		20.0			
Chrysene	1.1095	1.0722	1.0510	0.8946 1.0407	1.1872	Ave		1.0592			0.7000	9.1		20.0			
Di-n-octyl phthalate	1.7975	1.7718	1.7732	1.4262 1.7124	1.8979	Ave		1.7298			0.0100	9.3		20.0			
Benzo[b]fluoranthene	1.2168 1.2129	1.2098 1.2173	1.1685 1.2440	0.9165 1.2368	1.3221	Ave		1.1939			0.7000	9.4		20.0			
Benzo[k]fluoranthene	1.5010 1.2912	1.3186 1.2869	1.2376 1.2330	1.0271 1.2188	1.3533	Ave		1.2742			0.7000	9.9		20.0			
Benzo[a]pyrene	1.1133 1.1558	1.0871 1.1457	1.0811 1.1297	0.8635 1.1384	1.1939	Ave		1.1009			0.7000	8.7		20.0			
Indeno[1,2,3-cd]pyrene	0.7049 0.9030	0.6638 0.9437	0.8032 0.9541	0.6264 1.0189	0.9137	Ave		0.8368			0.5000	17.0		20.0			
Dibenz(a,h)anthracene	0.7711 0.9595	0.8331 0.9707	0.8178 0.9451	0.6573 0.9962	0.9266	Ave		0.8753			0.4000	12.9		20.0			
Benzo[g,h,i]perylene	0.9467	0.9300	0.9207	0.6653 0.9768	0.9377	Ave		0.8962			0.5000	12.8		20.0			
2-Fluorophenol (Surr)	1.4956 1.5208	1.3323 1.5294	1.2926 1.4322	1.3713	1.5493	Ave		1.4404				6.8		20.0			
Phenol-d5 (Surr)	1.7319 1.7535	1.5737 1.7898	1.5397 1.6933	1.6310	1.8313	Ave		1.6930				6.1		20.0			
Nitrobenzene-d5 (Surr)	0.4157 0.4188	0.3990 0.4122	0.3785 0.3979	0.3678 0.3819	0.4355	Ave		0.4008				5.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

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	1.7533 1.7304	1.7247 1.5558	1.5314 1.5993	1.2996 1.5141	1.7792	Ave		1.6098				9.6		20.0			
2,4,6-Tribromophenol (Surr)	0.1896	0.1639 0.1722	0.1603 0.1824	0.1349 0.1819	0.1883	Ave		0.1717				10.7		20.0			
Terphenyl-d14 (Surr)	1.1881 1.3214	1.2162 1.2296	1.1156 1.1622	1.0361 1.1886	1.3238	Ave		1.1980				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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-351930/10	z40945.D
Level 2	STD1 460-351930/9	z40944.D
Level 3	STD2 460-351930/8	z40943.D
Level 4	STD5 460-351930/7	z40942.D
Level 5	STD10 460-351930/6	z40941.D
Level 6	STD20 460-351930/5	z40940.D
Level 7	ICIS 460-351930/2	z40937.D
Level 8	STD80 460-351930/4	z40939.D
Level 9	STD120 460-351930/3	z40938.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	78334	164634	268178	18279 372304	40186	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	111573	236288	399538	27288 574486	59063	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	197721	401922	679972	47542 976368	103198	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	211865	440629	749437	51875 1045157	112191	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	265162	543563	950245	63480 1320498	139605	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	5329 177694	9225 353096	20632 613025	42698 919218	93713	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	180396	358605	608730	42964 846714	95197	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	286130	556997	871663	68860 1163836	150339	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	200676	395850	655139	48613 902283	104701	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	200118	393188	643970	48611 893965	105443	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	98988	219798	369629	24724 548166	51362	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	188929	366868	612157	46254 828382	98516	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	151778	303284	527926	36525 740541	81088	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	333344	655073	1065630	81272 1441546	176356	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.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetophenone	DCB	Ave	203787	382750	652460	51729 948709	110040	20.0	50.0	80.0	5.00 120	10.0
3 & 4 Methylphenol	DCB	Ave	161884	300611	531921	40089 765451	87491	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	161884	300611	531921	40089 765451	87491	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	3499 114458	5899 222947	14333 390718	28738 571114	61422	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	2106 78557	3990 149700	8798 253663	18527 354507	39786	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	6843 225848	11601 444363	26982 736015	56660 1056256	119256	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	7056 244579	11737 478227	30617 782393	62151 1123537	123618	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	34084 281272	67377 549145	34084 976438	67377 1448476	148614	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	85741	170917	300524	19904 438749	44886	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	138479	278408	476266	33573 684134	73375	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	184005	359216	619554	44146 895984	96024	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin	84100	147867	277214	14019 424451	39487	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	124821	245984	422305	28196 603418	64529	20.0	50.0	80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	4075 136683	6807 266505	15730 456374	33027 635066	72864	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	468446	886605	1492741	114559 2091938	249693	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	185780	353462	599247	46875 845031	99806	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	73432	145539	241665	3628 8312 17705 345839	38463	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	115043	232719	397430	26610 582613	56216	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	299433	572201	961578	72766 1368007	157833	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	258466	490337	835373	64165 1189596	138069	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Lin2	69560	140151	253942	14689 368535	34930	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.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

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	116519	218772	372878	28162 517367	61635	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	184773	374570	623177	45801 910499	87989	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	75921	146861	8428 261031	17465 394895	37898	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	74292	151934	256300	17876 378526	37714	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	336102	626671	1057045	80890 1489794	176786	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	247119	468757	799421	61417 1119343	129908	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	169705	332648	561377	41884 824984	81881	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	99546	187186	322632	22980 473853	50401	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	213114	404271	671876	51374 981106	105987	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	246737	452720	777748	58400 1134094	124602	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	82019	154634	263242	20002 396320	39247	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	59511	2542 110864	6498 190351	13295 278626	29481	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	380933	699777	1231971	89977 1756133	200561	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	66116	120809	212405	14959 316574	33445	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	213271	423824	720151	50039 1056540	101922	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	247515	449630	722400	62117 1021539	137407	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	63041	123407	3946 224120	10509 336070	27863	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	90102	168551	294612	18990 447772	43622	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	72944	2984 131999	8075 229455	16502 333615	36335	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	327285	617006	1043478	79949 1462116	173171	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	55117	104767	183309	12521 270759	27875	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.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

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	235496	414765	703323	54638 985555	117332	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	115394	208435	347581	27190 484562	60163	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	257141	460115	765926	63517 1094699	137453	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	61538	105713	189072	13869 281055	30394	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Ave	76479	137458	247404	6390 14423 372628	34485	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	360579	643205	1078365	44856 88405 1562105	188554	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	261048	477890	824090	62694 1199555	134627	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	65275	115700	202797	14877 297080	32262	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	1962 68627	3056 123288	7884 213791	15566 319070	34271	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	74646	137474	239779	7167 14576 363438	34011	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	24501	43663	75781	5111 114017	10971	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	271395	498777	830108	60517 1157531	136429	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	327089	555678	940579	78524 1377163	167693	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	333529	563362	963903	78313 1396022	168269	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	284451	469670	803498	68345 1173125	145542	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	337744	550637	947673	78260 1397013	168386	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	272255	448799	777578	65786 1118478	141077	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	146372	235479	478467	32126 655458	64197	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	270613	447792	782445	65850 1110162	142329	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Qua	51480	151923	273248	3643 401286	13101	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	101884	174302	322211	25343 437937	53835	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.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

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		534					0.500			
Carbamazepine	CRY	Ave	63642	122673	244028	325457	28656	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	65299	109027	6507 221147	13383 291043	27777	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	7011 173944	8702 303797	22956 571938	44027 757161	91065	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	137528	235077	443318	34336 589737	71678	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	156903	274807	502526	40712 659502	84043	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	195035	359303	698083	45034 883357	96885	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	3948 131601	5716 246861	16178 489772	28939 638017	67493	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	4870 140099	6230 260971	17135 485433	32432 628730	69084	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	3612 125401	5136 232341	14968 444759	27266 587259	60946	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	2287 97973	3136 191365	11120 375618	19780 525602	46643	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	2502 104109	3936 196845	11323 372091	20754 513894	47301	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	102721	188595	362472	21008 503899	47869	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	8767 186295	8767 385713	18426 634106	44821 847179	94207	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	214810	10152 451372	21765 749716	53386 1007612	111360	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	4769 176792	8102 359237	18244 614901	45285 845460	92260	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	8553 306478	14423 609323	32008 1011959	75897 1387480	156293	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	1371 33577	3351 67430	3351 115397	7876 166653	16540	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	5479 186872	8120 315162	21366 555665	47152 753211	93718	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.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 13:38 Calibration End Date: 02/23/2016 16:51 Calibration ID: 54549

Curve Type Legend:

Ave = Average ISTD Lin = Linear ISTD Lin2 = Linear 1/conc^2 ISTD Qua = Quadratic ISTD
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TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40937.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 23-Feb-2016 13:38:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-002
 Misc. Info.: ICIS
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:46:04 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:32:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.828	0.000	90	164634	50.0	53.1	
2 N-Nitrosodimethylamine	74	2.063	2.063	0.000	81	236288	50.0	51.7	
3 Pyridine	79	2.099	2.099	0.000	77	401922	50.0	50.9	
\$ 4 2-Fluorophenol	112	3.234	3.234	0.000	90	385713	50.0	53.1	
7 Phenol	94	4.175	4.175	0.000	98	440629	50.0	51.4	
\$ 6 Phenol-d5	99	4.157	4.157	0.000	91	451372	50.0	52.9	
8 Aniline	93	4.204	4.204	0.000	100	543563	50.0	50.8	
9 Bis(2-chloroethyl)ether	93	4.263	4.263	0.000	91	353096	50.0	47.7	
10 Benzonitrile	103	4.293	4.293	0.000	0	651838	NC	NC	
11 2-Chlorophenol	128	4.328	4.328	0.000	92	358605	50.0	50.5	
12 n-Decane	43	4.375	4.375	0.000	89	556997	50.0	51.5	
13 1,3-Dichlorobenzene	146	4.481	4.481	0.000	95	395850	50.0	50.8	
* 14 1,4-Dichlorobenzene-d4	152	4.534	4.534	0.000	97	201756	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.551	4.551	0.000	93	393188	50.0	50.7	
16 Benzyl alcohol	108	4.669	4.669	0.000	93	219798	50.0	52.7	
17 1,2-Dichlorobenzene	146	4.704	4.704	0.000	95	366868	50.0	50.3	
18 2-Methylphenol	108	4.781	4.781	0.000	91	303284	50.0	50.0	
19 2,2'-oxybis[1-chloropropan	45	4.810	4.810	0.000	94	655073	50.0	50.9	
20 N-Methylaniline	106	4.928	4.928	0.000	0	477517	NC	NC	
21 N-Nitrosodi-n-propylamine	70	4.945	4.945	0.000	92	222947	50.0	46.4	
22 Acetophenone	105	4.945	4.945	0.000	96	382750	50.0	48.0	
24 4-Methylphenol	108	4.945	4.945	0.000	83	300611	50.0	47.4	
23 3 & 4 Methylphenol	108	4.945	4.945	0.000	79	300611	50.0	47.4	
25 Hexachloroethane	117	5.051	5.051	0.000	95	149700	50.0	48.3	
\$ 26 Nitrobenzene-d5	82	5.093	5.093	0.000	93	359237	50.0	51.4	
27 Nitrobenzene	77	5.116	5.116	0.000	89	444363	50.0	48.3	
28 n,n'-Dimethylaniline	120	5.122	5.122	0.000	94	478227	50.0	48.2	
31 Isophorone	82	5.363	5.363	0.000	98	549145	50.0	48.6	
32 2-Nitrophenol	139	5.434	5.434	0.000	89	170917	50.0	50.5	
33 2,4-Dimethylphenol	122	5.475	5.475	0.000	92	278408	50.0	50.9	

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	5.575	5.575	0.000	95	359216	50.0	50.1	M
35 Benzoic acid	122	5.616	5.616	0.000	91	147867	50.0	46.3	
36 2,4-Dichlorophenol	162	5.681	5.681	0.000	95	245984	50.0	51.1	
37 1,2,4-Trichlorobenzene	180	5.763	5.763	0.000	94	266505	50.0	48.4	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	697276	40.0	40.0	
39 Naphthalene	128	5.845	5.845	0.000	99	886605	50.0	49.6	
40 4-Chloroaniline	127	5.898	5.898	0.000	95	353462	50.0	49.3	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	145539	50.0	50.2	
43 4-Chloro-3-methylphenol	107	6.381	6.381	0.000	98	232719	50.0	52.0	
44 2-Methylnaphthalene	142	6.539	6.539	0.000	86	572201	50.0	50.0	
45 1-Methylnaphthalene	142	6.639	6.639	0.000	94	490337	50.0	49.3	
46 Hexachlorocyclopentadiene	237	6.710	6.710	0.000	95	140151	50.0	45.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.716	6.716	0.000	97	218772	50.0	47.2	
48 2-tertbutyl-4-methylphenol	149	6.739	6.739	0.000	92	374570	50.0	52.2	
49 2,4,6-Trichlorophenol	196	6.828	6.828	0.000	88	146861	50.0	47.2	
50 2,4,5-Trichlorophenol	196	6.857	6.857	0.000	96	151934	50.0	49.3	
\$ 51 2-Fluorobiphenyl	172	6.910	6.910	0.000	98	609323	50.0	48.3	
52 1,1'-Biphenyl	154	7.010	7.010	0.000	96	626671	50.0	47.1	
53 2-Chloronaphthalene	162	7.034	7.034	0.000	97	468757	50.0	47.2	
54 Phenyl ether	170	7.116	7.116	0.000	87	332648	50.0	48.6	
55 2-Nitroaniline	65	7.134	7.134	0.000	96	187186	50.0	47.3	
57 1,3-Dimethylnaphthalene	156	7.251	7.251	0.000	93	404271	50.0	48.0	
58 Dimethyl phthalate	163	7.322	7.322	0.000	99	452720	50.0	46.6	
59 Coumarin	146	7.339	7.339	0.000	82	154634	50.0	49.8	
60 2,6-Dinitrotoluene	165	7.375	7.375	0.000	94	110864	50.0	47.1	
63 Acenaphthylene	152	7.445	7.445	0.000	97	699777	50.0	46.1	
64 3-Nitroaniline	138	7.545	7.545	0.000	92	120809	50.0	46.3	
* 65 Acenaphthene-d10	164	7.586	7.586	0.000	92	313312	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	98	423824	50.0	49.2	
67 Acenaphthene	154	7.622	7.622	0.000	95	449630	50.0	46.4	
68 2,4-Dinitrophenol	184	7.645	7.645	0.000	91	123407	100.0	95.0	
69 4-Nitrophenol	65	7.710	7.710	0.000	94	168551	100.0	95.1	
70 2,4-Dinitrotoluene	165	7.775	7.775	0.000	95	131999	50.0	46.3	
71 Dibenzofuran	168	7.792	7.792	0.000	96	617006	50.0	47.2	
72 2,3,4,6-Tetrachlorophenol	232	7.916	7.916	0.000	92	104767	50.0	47.3	
73 Diethyl phthalate	149	8.022	8.022	0.000	98	414765	50.0	46.4	
75 4-Chlorophenyl phenyl ethe	204	8.128	8.128	0.000	85	208435	50.0	46.8	
74 Fluorene	166	8.133	8.133	0.000	96	460115	50.0	45.9	
76 4-Nitroaniline	138	8.157	8.157	0.000	93	105713	50.0	44.8	
77 4,6-Dinitro-2-methylphenol	198	8.186	8.186	0.000	83	137458	100.0	110.9	
78 N-Nitrosodiphenylamine	169	8.251	8.251	0.000	67	643205	100.0	102.2	
79 1,2-Diphenylhydrazine	77	8.292	8.292	0.000	99	477890	50.0	52.1	
\$ 80 2,4,6-Tribromophenol	330	8.375	8.375	0.000	95	67430	50.0	50.1	
81 4-Bromophenyl phenyl ether	248	8.616	8.616	0.000	85	115700	50.0	51.7	
82 Hexachlorobenzene	284	8.686	8.686	0.000	99	123288	50.0	51.5	
84 Pentachlorophenol	266	8.881	8.881	0.000	94	137474	100.0	110.9	
85 Pentachloronitrobenzene	237	8.898	8.898	0.000	90	43663	50.0	53.3	
86 n-Octadecane	57	8.957	8.957	0.000	88	498777	50.0	54.0	
* 87 Phenanthrene-d10	188	9.063	9.063	0.000	99	387374	40.0	40.0	
88 Phenanthrene	178	9.092	9.092	0.000	98	555678	50.0	50.5	
89 Anthracene	178	9.139	9.139	0.000	98	563362	50.0	50.6	
90 Carbazole	167	9.292	9.292	0.000	96	469670	50.0	49.6	

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	9.639	9.639	0.000	100	550637	50.0	49.6	
92 Fluoranthene	202	10.275	10.275	0.000	98	448799	50.0	49.3	
93 Benzidine	184	10.398	10.398	0.000	100	235479	50.0	48.6	
94 Pyrene	202	10.504	10.504	0.000	97	447792	50.0	49.9	
95 Bisphenol-A	213	10.545	10.545	0.000	100	151923	50.0	53.5	
\$ 96 Terphenyl-d14	244	10.663	10.663	0.000	99	315162	50.0	51.3	
97 Butyl benzyl phthalate	149	11.210	11.210	0.000	98	174302	50.0	50.0	
98 2,3,7,8-TCDD	320	11.322	11.322	0.000	87	534	0.5000	0.5000	
99 Carbamazepine	193	11.339	11.339	0.000	93	122673	50.0	53.3	
100 3,3'-Dichlorobenzidine	252	11.857	11.857	0.000	100	109027	50.0	52.5	
101 Benzo[a]anthracene	228	11.886	11.886	0.000	99	303797	50.0	48.1	
* 102 Chrysene-d12	240	11.904	11.904	0.000	99	205044	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.927	11.927	0.000	91	235077	50.0	49.9	
103 Chrysene	228	11.933	11.933	0.000	99	274807	50.0	50.6	
105 Di-n-octyl phthalate	149	12.810	12.810	0.000	97	359303	50.0	51.2	
106 Benzo[b]fluoranthene	252	13.339	13.339	0.000	98	246861	50.0	51.0	
107 Benzo[k]fluoranthene	252	13.380	13.380	0.000	99	260971	50.0	50.5	
108 Benzo[a]pyrene	252	13.798	13.798	0.000	97	232341	50.0	52.0	
* 109 Perylene-d12	264	13.874	13.874	0.000	97	162233	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.492	15.492	0.000	99	191365	50.0	56.4	
111 Dibenz(a,h)anthracene	278	15.527	15.527	0.000	97	196845	50.0	55.5	
112 Benzo[g,h,i]perylene	276	15.945	15.945	0.000	96	188595	50.0	51.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L6_00017

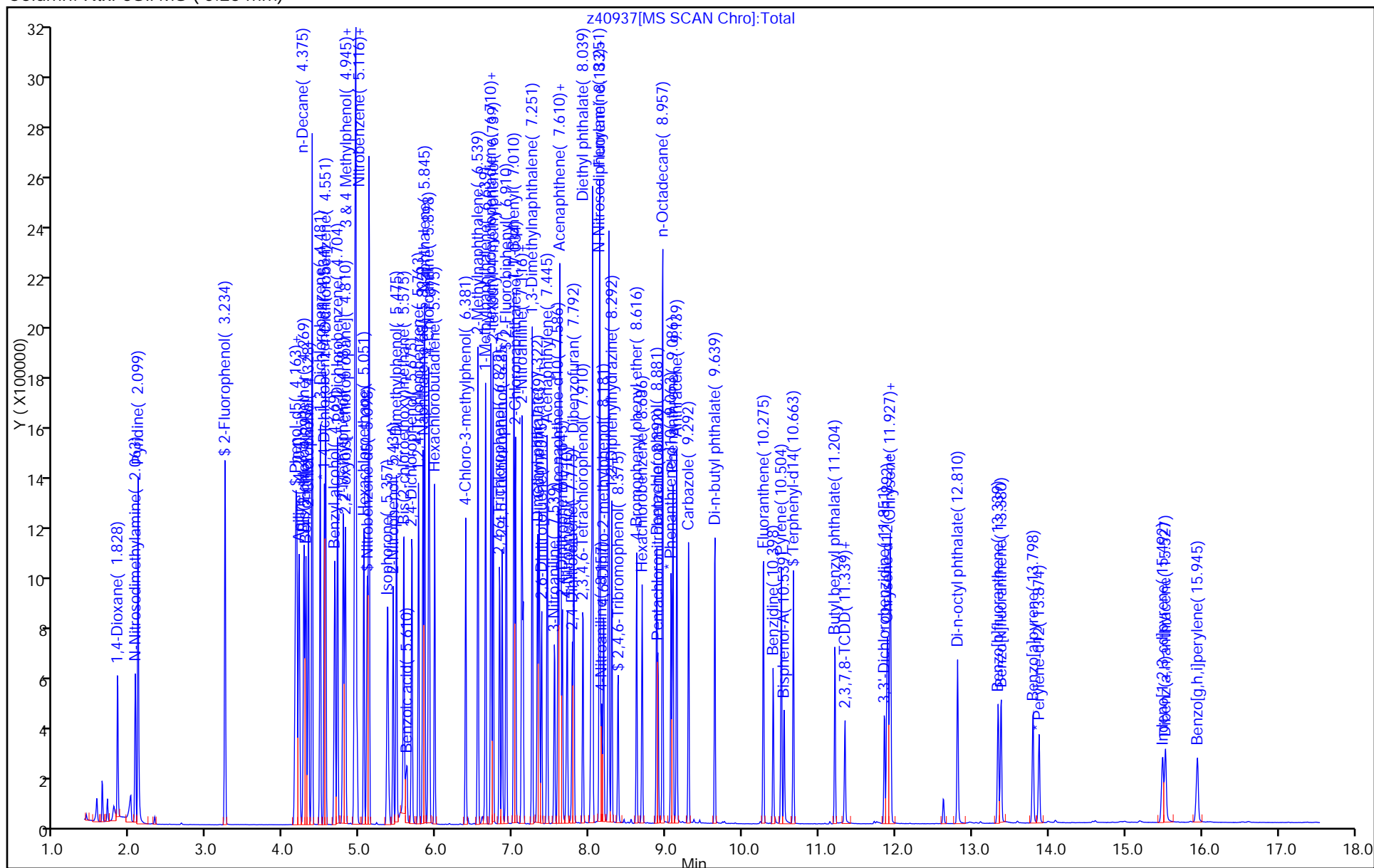
Amount Added: 1.00

Units: mL

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

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40937.D		
Injection Date:	23-Feb-2016 13:38:30	Instrument ID:	CBNAMS11
Lims ID:	icis		
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



TestAmerica Edison

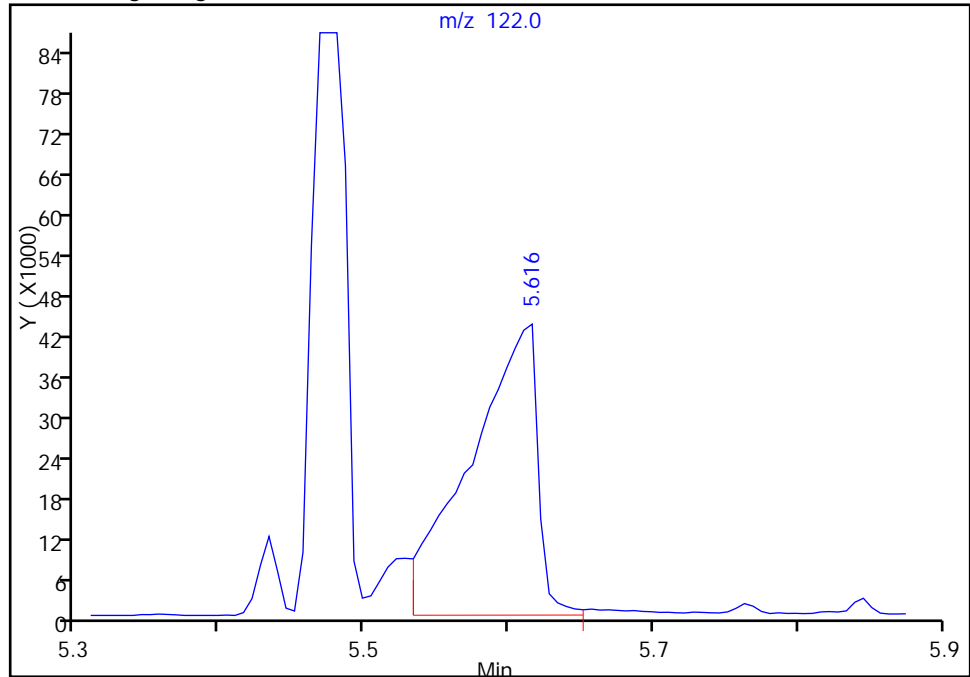
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Injection Date: 23-Feb-2016 13:38:30 Instrument ID: CBNAMS11
Lims ID: icis
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 2 Worklist Smp#: 2
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

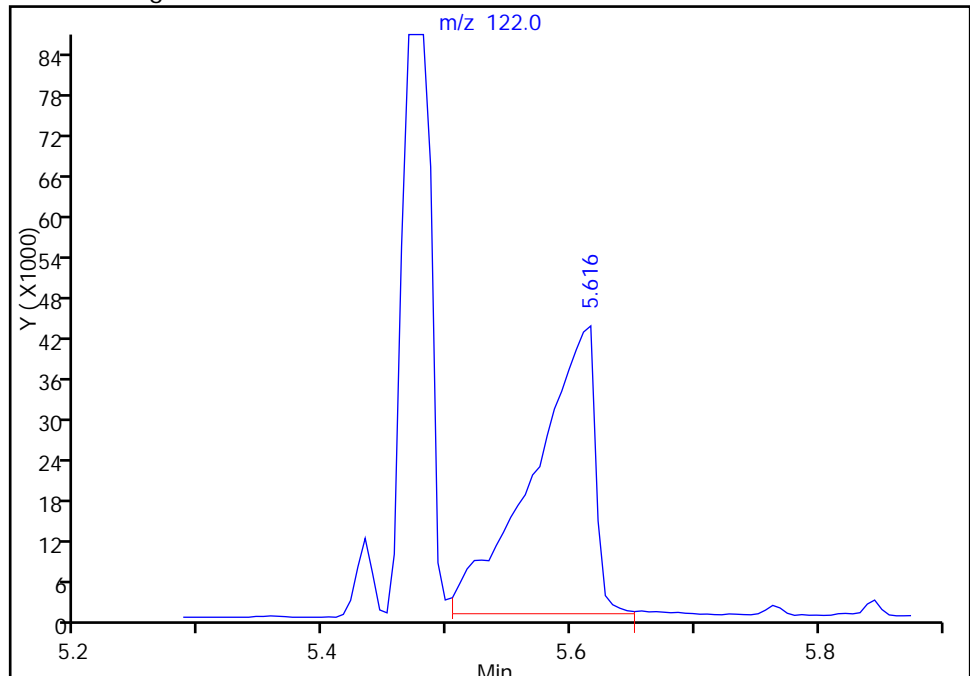
RT: 5.62
Area: 141063
Amount: 46.209526
Amount Units: ug/ml

Processing Integration Results



RT: 5.62
Area: 147867
Amount: 46.303263
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 23-Feb-2016 16:56:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40938.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 23-Feb-2016 14:04:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-003
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:32:32 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:32:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.828	0.000	91	372304	120.0	117.6	
2 N-Nitrosodimethylamine	74	2.075	2.063	0.012	82	574486	120.0	123.1	
3 Pyridine	79	2.099	2.099	0.000	78	976368	120.0	121.2	
\$ 4 2-Fluorophenol	112	3.246	3.234	0.012	90	847179	120.0	114.2	
\$ 6 Phenol-d5	99	4.187	4.157	0.030	95	1007612	120.0	115.6	
7 Phenol	94	4.204	4.175	0.029	98	1045157	120.0	119.4	
8 Aniline	93	4.222	4.204	0.018	98	1320498	120.0	120.9	
9 Bis(2-chloroethyl)ether	93	4.281	4.263	0.018	88	919218	120.0	121.8	
10 Benzonitrile	103	4.322	4.293	0.029	0	1572830	NC	NC	
11 2-Chlorophenol	128	4.340	4.328	0.012	93	846714	120.0	116.9	
12 n-Decane	43	4.381	4.375	0.006	88	1163836	120.0	105.5	
13 1,3-Dichlorobenzene	146	4.493	4.481	0.012	94	902283	120.0	113.4	
* 14 1,4-Dichlorobenzene-d4	152	4.540	4.534	0.006	97	205935	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.563	4.551	0.012	94	893965	120.0	112.9	
16 Benzyl alcohol	108	4.698	4.669	0.029	93	548166	120.0	128.8	
17 1,2-Dichlorobenzene	146	4.716	4.704	0.012	95	828382	120.0	111.3	
18 2-Methylphenol	108	4.798	4.781	0.017	91	740541	120.0	119.5	
19 2,2'-oxybis[1-chloropropan	45	4.816	4.810	0.006	94	1441546	120.0	109.8	
20 N-Methylaniline	106	4.945	4.928	0.017	0	1177266	NC	NC	
21 N-Nitrosodi-n-propylamine	70	4.998	4.945	0.053	91	571114	120.0	116.3	
22 Acetophenone	105	4.963	4.945	0.018	97	948709	120.0	116.5	
24 4-Methylphenol	108	4.975	4.945	0.030	88	765451	120.0	118.2	
23 3 & 4 Methylphenol	108	4.975	4.945	0.030	89	765451	120.0	118.2	
25 Hexachloroethane	117	5.057	5.051	0.006	95	354507	120.0	112.0	
\$ 26 Nitrobenzene-d5	82	5.116	5.093	0.023	93	845460	120.0	114.3	
27 Nitrobenzene	77	5.140	5.116	0.024	85	1056256	120.0	108.5	
28 n,n'-Dimethylaniline	120	5.134	5.122	0.012	87	1123537	120.0	111.0	
31 Isophorone	82	5.393	5.363	0.030	98	1448476	120.0	121.1	M
32 2-Nitrophenol	139	5.445	5.434	0.011	89	438749	120.0	122.4	
33 2,4-Dimethylphenol	122	5.493	5.475	0.017	92	684134	120.0	118.1	
34 Bis(2-chloroethoxy)methane	93	5.587	5.575	0.012	95	895984	120.0	118.2	

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	5.681	5.616	0.065	89	424451	120.0	122.9	M
36 2,4-Dichlorophenol	162	5.693	5.681	0.011	94	603418	120.0	118.4	
37 1,2,4-Trichlorobenzene	180	5.775	5.763	0.012	95	635066	120.0	109.1	
* 38 Naphthalene-d8	136	5.828	5.822	0.006	100	737906	40.0	40.0	
39 Naphthalene	128	5.857	5.845	0.012	99	2091938	120.0	110.7	
40 4-Chloroaniline	127	5.916	5.898	0.018	92	845031	120.0	111.4	
41 Hexachlorobutadiene	225	5.981	5.975	0.006	94	345839	120.0	112.8	
43 4-Chloro-3-methylphenol	107	6.392	6.381	0.011	98	582613	120.0	122.9	
44 2-Methylnaphthalene	142	6.551	6.539	0.012	85	1368007	120.0	112.9	
45 1-Methylnaphthalene	142	6.651	6.639	0.012	94	1189596	120.0	112.9	
46 Hexachlorocyclopentadiene	237	6.716	6.710	0.006	96	368535	120.0	119.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.722	6.716	0.006	96	517367	120.0	114.4	
48 2-tertbutyl-4-methylphenol	149	6.751	6.739	0.012	90	910499	120.0	119.9	
49 2,4,6-Trichlorophenol	196	6.834	6.828	0.006	88	394895	120.0	130.2	
50 2,4,5-Trichlorophenol	196	6.869	6.857	0.012	96	378526	120.0	126.0	
\$ 51 2-Fluorobiphenyl	172	6.916	6.910	0.006	98	1387480	120.0	112.9	
52 1,1'-Biphenyl	154	7.022	7.010	0.012	96	1489794	120.0	114.9	
53 2-Chloronaphthalene	162	7.039	7.034	0.005	96	1119343	120.0	115.6	
54 Phenyl ether	170	7.122	7.116	0.006	87	824984	120.0	123.6	
55 2-Nitroaniline	65	7.145	7.134	0.011	96	473853	120.0	122.7	
57 1,3-Dimethylnaphthalene	156	7.257	7.251	0.006	92	981106	120.0	119.4	M
58 Dimethyl phthalate	163	7.339	7.322	0.017	98	1134094	120.0	119.9	
59 Coumarin	146	7.369	7.339	0.030	45	396320	120.0	120.6	
60 2,6-Dinitrotoluene	165	7.392	7.375	0.017	94	278626	120.0	121.5	
63 Acenaphthylene	152	7.457	7.445	0.012	97	1756133	120.0	118.7	
64 3-Nitroaniline	138	7.557	7.545	0.012	92	316574	120.0	124.4	
* 65 Acenaphthene-d10	164	7.592	7.586	0.006	97	305448	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.616	7.610	0.006	98	1056540	120.0	125.9	
67 Acenaphthene	154	7.634	7.622	0.012	95	1021539	120.0	108.0	
68 2,4-Dinitrophenol	184	7.663	7.645	0.018	94	336070	240.0	239.6	
69 4-Nitrophenol	65	7.728	7.710	0.018	94	447772	240.0	259.2	
70 2,4-Dinitrotoluene	165	7.792	7.775	0.017	93	333615	120.0	119.9	
71 Dibenzofuran	168	7.804	7.792	0.012	96	1462116	120.0	114.8	
72 2,3,4,6-Tetrachlorophenol	232	7.922	7.916	0.006	92	270759	120.0	125.5	
73 Diethyl phthalate	149	8.034	8.022	0.012	98	985555	120.0	113.1	
75 4-Chlorophenyl phenyl ethe	204	8.134	8.128	0.006	93	484562	120.0	111.6	
74 Fluorene	166	8.145	8.133	0.012	97	1094699	120.0	111.9	
76 4-Nitroaniline	138	8.186	8.157	0.029	53	281055	120.0	122.3	
77 4,6-Dinitro-2-methylphenol	198	8.210	8.186	0.024	83	372628	240.0	270.5	
78 N-Nitrosodiphenylamine	169	8.269	8.251	0.018	66	1562105	240.0	223.4	
79 1,2-Diphenylhydrazine	77	8.298	8.292	0.006	98	1199555	120.0	117.7	
\$ 80 2,4,6-Tribromophenol	330	8.381	8.375	0.006	95	166653	120.0	127.1	
81 4-Bromophenyl phenyl ether	248	8.622	8.616	0.006	85	297080	120.0	119.5	
82 Hexachlorobenzene	284	8.692	8.686	0.006	98	319070	120.0	119.9	
84 Pentachlorophenol	266	8.886	8.881	0.006	95	363438	240.0	263.9	
85 Pentachloronitrobenzene	237	8.898	8.898	0.000	88	114017	120.0	125.3	
86 n-Octadecane	57	8.957	8.957	0.000	89	1157531	120.0	112.7	
* 87 Phenanthrene-d10	188	9.069	9.063	0.006	99	430457	40.0	40.0	
88 Phenanthrene	178	9.098	9.092	0.006	98	1377163	120.0	112.6	
89 Anthracene	178	9.145	9.139	0.006	98	1396022	120.0	112.8	
90 Carbazole	167	9.298	9.292	0.006	96	1173125	120.0	111.6	
91 Di-n-butyl phthalate	149	9.639	9.639	0.000	100	1397013	120.0	113.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.275	10.275	0.000	97	1118478	120.0	110.7	
93 Benzidine	184	10.404	10.398	0.006	99	655458	120.0	121.8	
94 Pyrene	202	10.510	10.504	0.006	97	1110162	120.0	120.1	
95 Bisphenol-A	213	10.545	10.545	0.000	99	401286	120.0	120.5	
\$ 96 Terphenyl-d14	244	10.663	10.663	0.000	99	753211	120.0	119.1	
97 Butyl benzyl phthalate	149	11.204	11.210	-0.006	99	437937	120.0	121.9	
99 Carbamazepine	193	11.345	11.339	0.006	93	325457	120.0	137.3	
100 3,3'-Dichlorobenzidine	252	11.857	11.857	0.000	100	291043	120.0	136.1	
101 Benzo[a]anthracene	228	11.886	11.886	0.000	99	757161	120.0	116.4	
* 102 Chrysene-d12	240	11.904	11.904	0.000	99	211230	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.922	11.927	-0.005	91	589737	120.0	121.5	
103 Chrysene	228	11.939	11.933	0.006	99	659502	120.0	117.9	
105 Di-n-octyl phthalate	149	12.810	12.810	0.000	98	883357	120.0	118.8	
106 Benzo[b]fluoranthene	252	13.345	13.339	0.006	98	638017	120.0	124.3	
107 Benzo[k]fluoranthene	252	13.386	13.380	0.006	99	628730	120.0	114.8	
108 Benzo[a]pyrene	252	13.804	13.798	0.006	96	587259	120.0	124.1	
* 109 Perylene-d12	264	13.874	13.874	0.000	97	171950	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.498	15.492	0.006	99	525602	120.0	146.1	
111 Dibenz(a,h)anthracene	278	15.539	15.527	0.012	97	513894	120.0	136.6	
112 Benzo[g,h,i]perylene	276	15.962	15.945	0.017	96	503899	120.0	130.8	
S 119 Total Cresols	1				0			237.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L8_00009

Amount Added: 1.00

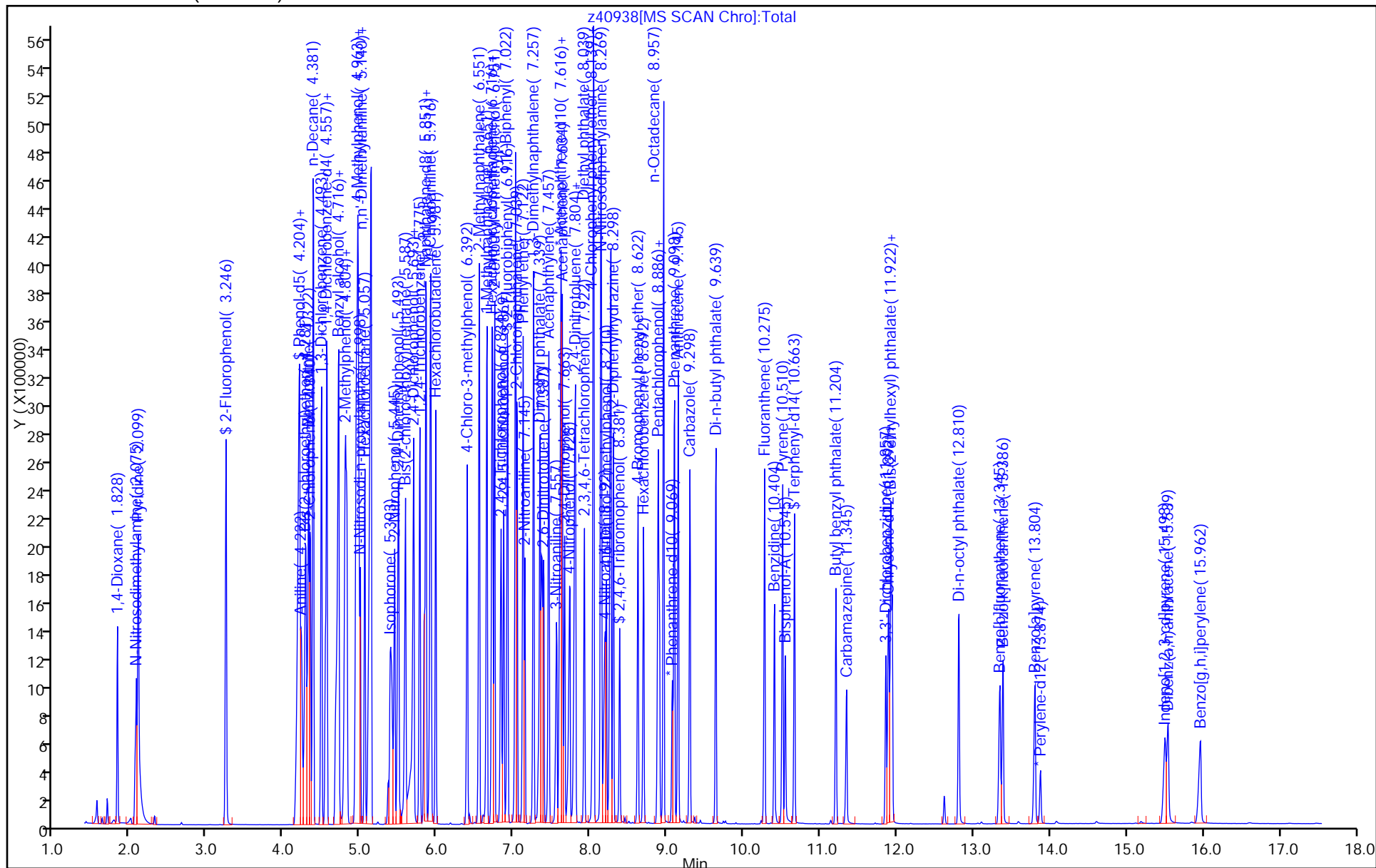
Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40938.D
Injection Date: 23-Feb-2016 14:04:30 Instrument ID: CBNAMS11
Lims ID: std120
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)

Operator ID:
Worklist Smp#: 3

ALS Bottle#: 3



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40938.D

Injection Date: 23-Feb-2016 14:04:30

Instrument ID: CBNAMS11

Lims ID: std120

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

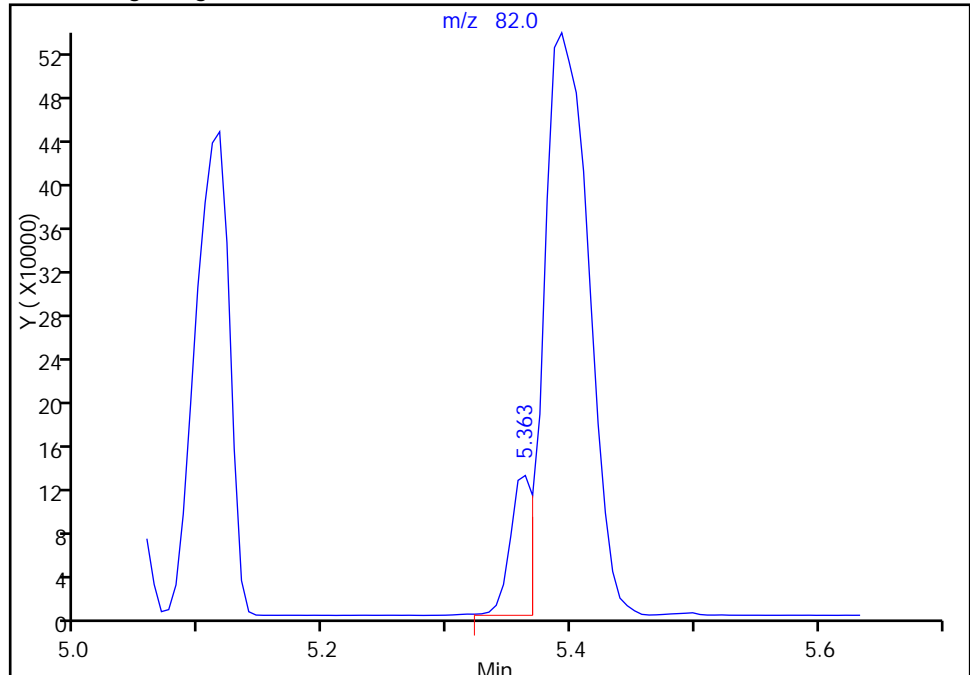
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

31 Isophorone, CAS: 78-59-1

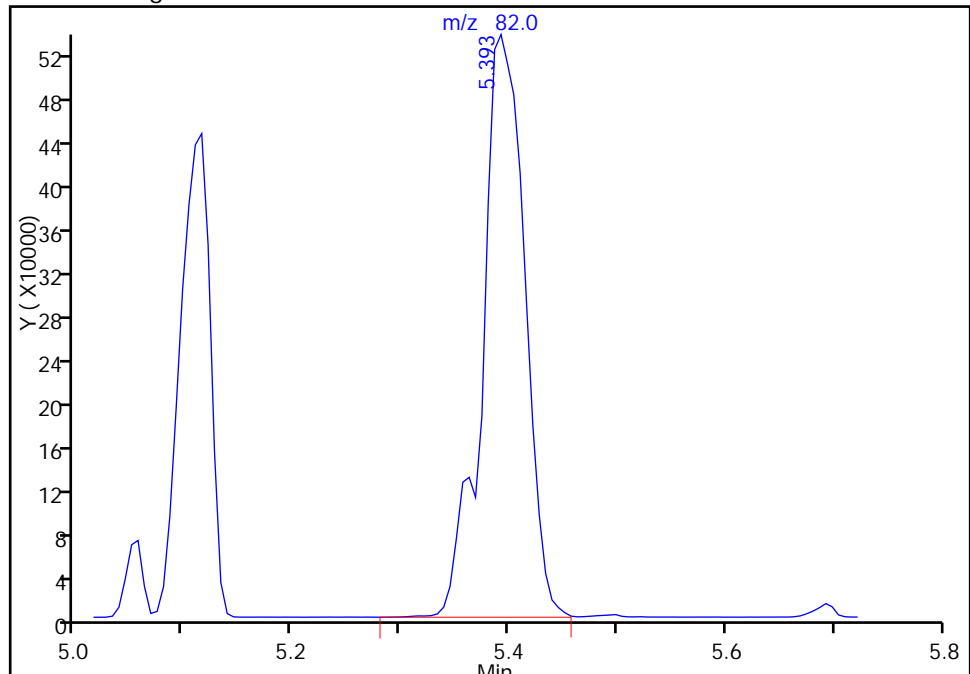
RT: 5.36
Area: 167419
Amount: 16.043851
Amount Units: ug/ml

Processing Integration Results



RT: 5.39
Area: 1448476
Amount: 121.1085
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 23-Feb-2016 17:13:23

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Edison

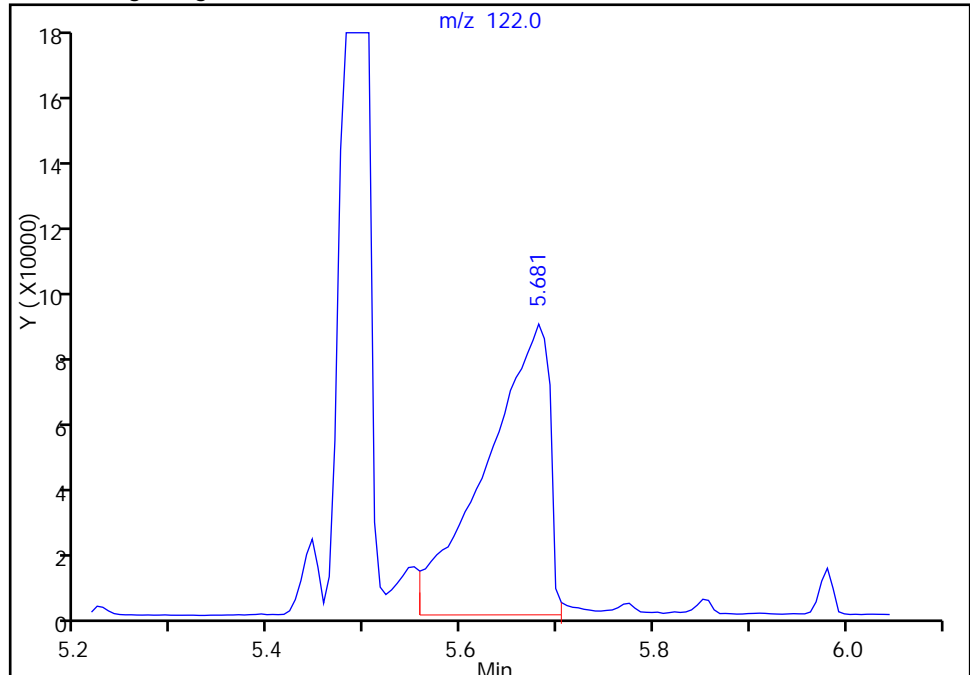
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Injection Date: 23-Feb-2016 14:04:30 Instrument ID: CBNAMS11
Lims ID: std120
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
Column: Rtxi-5Sil MS (0.25 mm)

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

35 Benzoic acid, CAS: 65-85-0

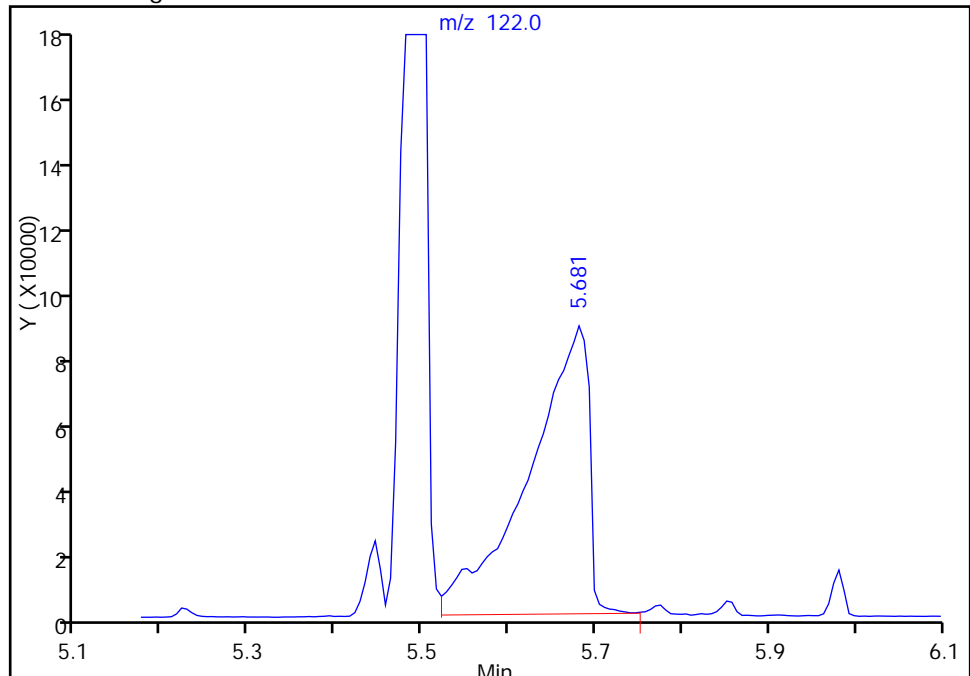
RT: 5.68
Area: 407663
Amount: 121.0831
Amount Units: ug/ml

Processing Integration Results



RT: 5.68
Area: 424451
Amount: 122.8582
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 23-Feb-2016 17:13:23
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Edison

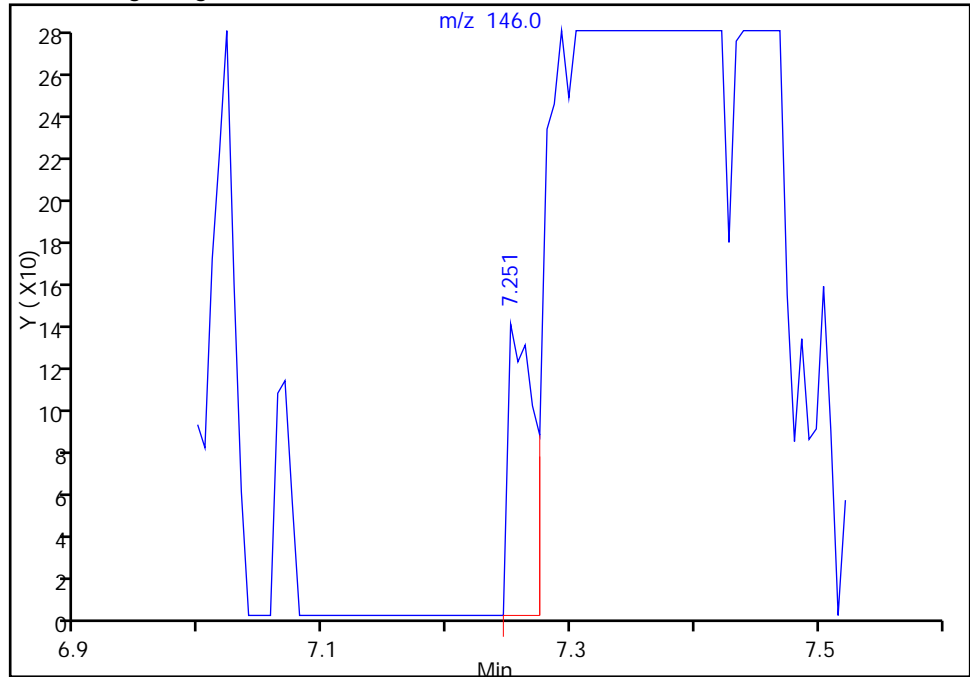
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Injection Date: 23-Feb-2016 14:04:30 Instrument ID: CBNAMS11
Lims ID: std120
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
Column: Rtxi-5Sil MS (0.25 mm)

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

59 Coumarin, CAS: 91-64-5

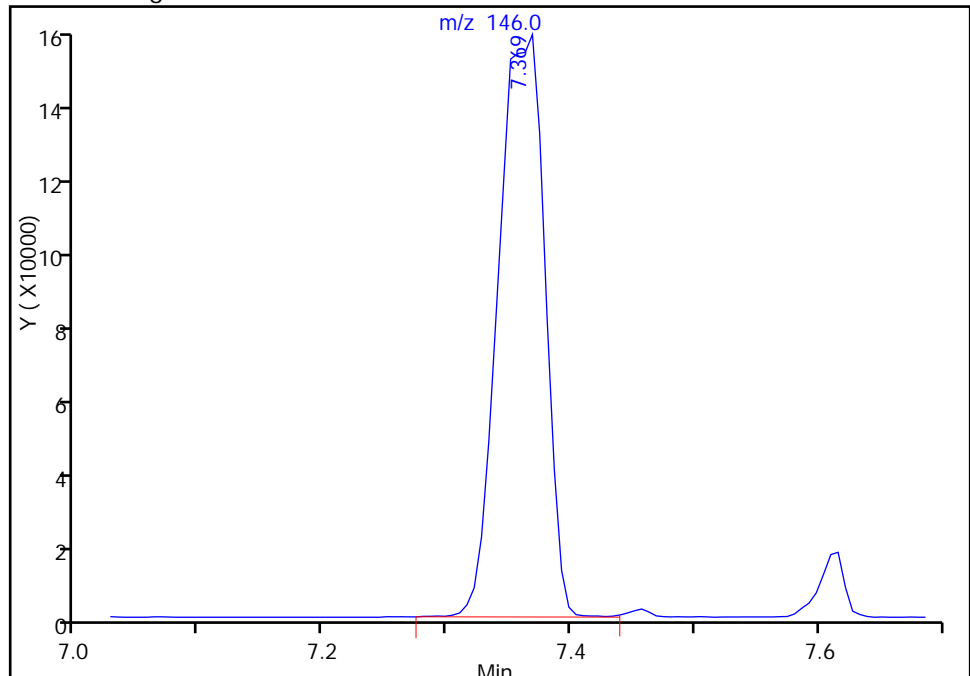
RT: 7.25
Area: 203
Amount: 0.074197
Amount Units: ug/ml

Processing Integration Results



RT: 7.37
Area: 396320
Amount: 120.6044
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 23-Feb-2016 17:13:23
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Edison

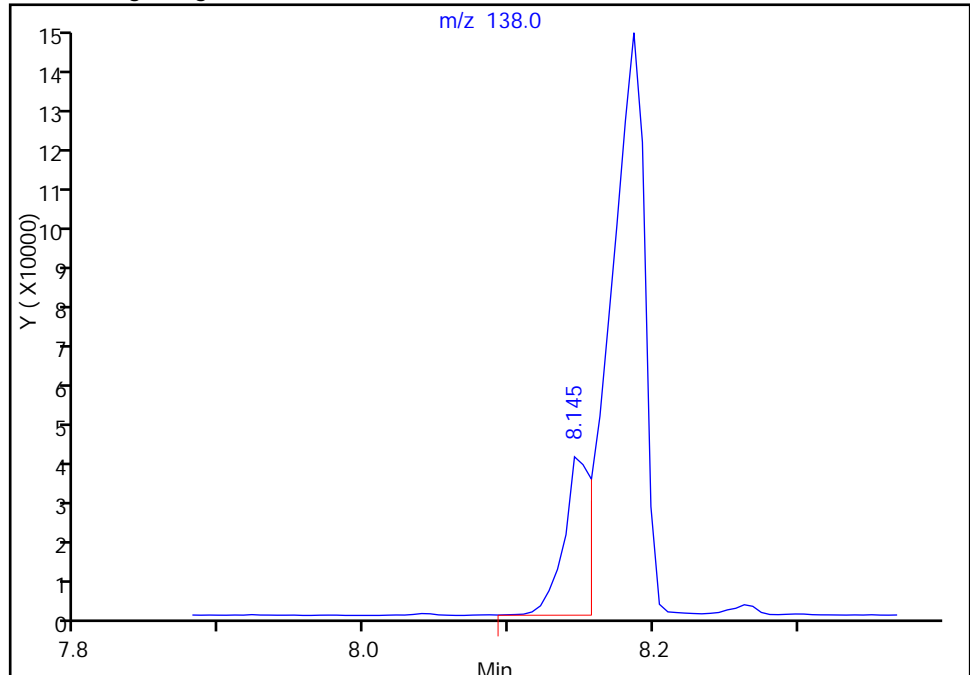
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Lims ID: std120
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
Column: Rtxi-5Sil MS (0.25 mm)

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

76 4-Nitroaniline, CAS: 100-01-6

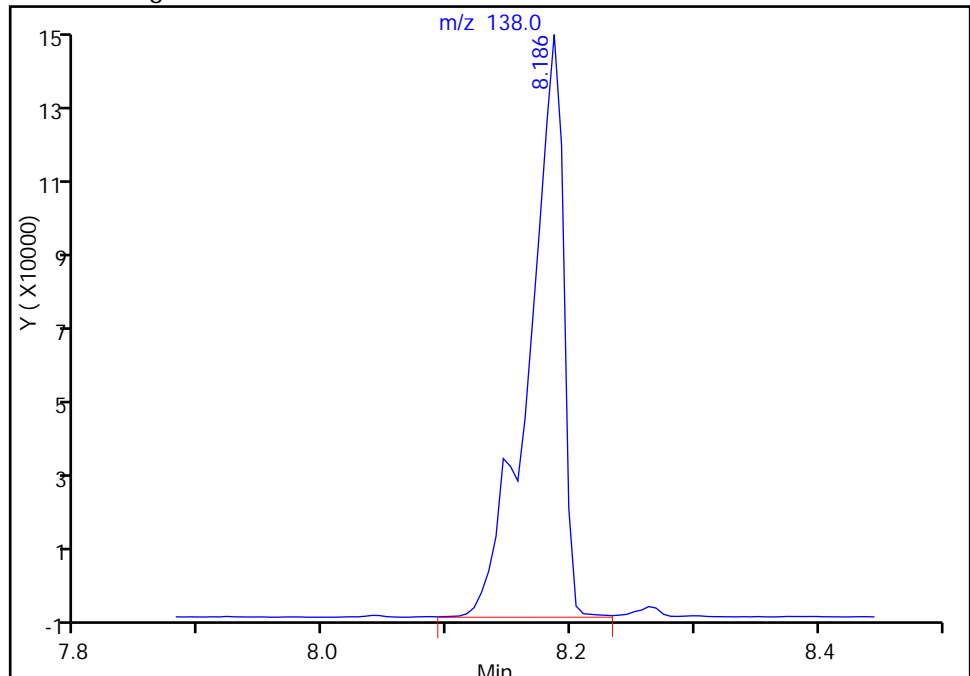
RT: 8.15
Area: 54007
Amount: 27.226568
Amount Units: ug/ml

Processing Integration Results



RT: 8.19
Area: 281055
Amount: 122.2532
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 23-Feb-2016 17:13:23
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40939.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 23-Feb-2016 14:28:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-004
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:33:38 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:33:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.828	0.000	91	268178	80.0	78.8	
2 N-Nitrosodimethylamine	74	2.069	2.063	0.006	83	399538	80.0	79.6	
3 Pyridine	79	2.099	2.099	0.000	78	679972	80.0	78.5	
\$ 4 2-Fluorophenol	112	3.240	3.234	0.006	90	634106	80.0	79.5	
\$ 6 Phenol-d5	99	4.175	4.157	0.018	93	749716	80.0	80.0	
7 Phenol	94	4.193	4.175	0.018	96	749437	80.0	79.6	
8 Aniline	93	4.210	4.204	0.006	99	950245	80.0	80.9	
9 Bis(2-chloroethyl)ether	93	4.275	4.263	0.012	91	613025	80.0	75.5	
10 Benzonitrile	103	4.310	4.293	0.017	0	1097881	NC	NC	
11 2-Chlorophenol	128	4.334	4.328	0.006	93	608730	80.0	78.1	
12 n-Decane	43	4.381	4.375	0.006	88	871663	80.0	73.5	
13 1,3-Dichlorobenzene	146	4.487	4.481	0.006	94	655139	80.0	76.6	
* 14 1,4-Dichlorobenzene-d4	152	4.540	4.534	0.006	96	221380	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.557	4.551	0.006	93	643970	80.0	75.6	
16 Benzyl alcohol	108	4.681	4.669	0.012	93	369629	80.0	80.8	
17 1,2-Dichlorobenzene	146	4.710	4.704	0.006	97	612157	80.0	76.5	
18 2-Methylphenol	108	4.787	4.781	0.006	91	527926	80.0	79.3	
19 2,2'-oxybis[1-chloropropan	45	4.810	4.810	0.000	94	1065630	80.0	75.5	
20 N-Methylaniline	106	4.940	4.928	0.012	0	810142	NC	NC	
21 N-Nitrosodi-n-propylamine	70	4.981	4.945	0.036	91	390718	80.0	74.0	
22 Acetophenone	105	4.951	4.945	0.006	99	652460	80.0	74.5	
24 4-Methylphenol	108	4.957	4.945	0.012	81	531921	80.0	76.4	
23 3 & 4 Methylphenol	108	4.957	4.945	0.012	84	531921	80.0	76.4	
25 Hexachloroethane	117	5.051	5.051	0.000	95	253663	80.0	74.5	
\$ 26 Nitrobenzene-d5	82	5.104	5.093	0.011	92	614901	80.0	79.4	
27 Nitrobenzene	77	5.128	5.116	0.012	89	736015	80.0	72.2	
28 n,n'-Dimethylaniline	120	5.128	5.122	0.006	87	782393	80.0	71.9	
31 Isophorone	82	5.375	5.363	0.012	98	976438	80.0	78.0	
32 2-Nitrophenol	139	5.440	5.434	0.006	89	300524	80.0	80.1	
33 2,4-Dimethylphenol	122	5.487	5.475	0.012	91	476266	80.0	78.5	
34 Bis(2-chloroethoxy)methane	93	5.581	5.575	0.006	95	619554	80.0	78.0	

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	5.616	0.035	90	277214	80.0	77.2	
36 2,4-Dichlorophenol	162	5.687	5.681	0.006	95	422305	80.0	79.1	
37 1,2,4-Trichlorobenzene	180	5.769	5.763	0.006	94	456374	80.0	74.8	
* 38 Naphthalene-d8	136	5.828	5.822	0.006	99	772771	40.0	40.0	
39 Naphthalene	128	5.851	5.845	0.006	99	1492741	80.0	75.4	
40 4-Chloroaniline	127	5.904	5.898	0.006	95	599247	80.0	75.4	
41 Hexachlorobutadiene	225	5.981	5.975	0.006	95	241665	80.0	75.2	
43 4-Chloro-3-methylphenol	107	6.387	6.381	0.006	98	397430	80.0	80.1	
44 2-Methylnaphthalene	142	6.545	6.539	0.006	86	961578	80.0	75.8	
45 1-Methylnaphthalene	142	6.645	6.639	0.006	94	835373	80.0	75.7	
46 Hexachlorocyclopentadiene	237	6.710	6.710	0.000	96	253942	80.0	79.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.716	6.716	0.000	96	372878	80.0	79.6	
48 2-tertbutyl-4-methylphenol	149	6.745	6.739	0.006	91	623177	80.0	78.4	
49 2,4,6-Trichlorophenol	196	6.828	6.828	0.000	88	261031	80.0	83.1	
50 2,4,5-Trichlorophenol	196	6.863	6.857	0.006	96	256300	80.0	82.3	
\$ 51 2-Fluorobiphenyl	172	6.916	6.910	0.006	98	1011959	80.0	79.5	
52 1,1'-Biphenyl	154	7.016	7.010	0.006	96	1057045	80.0	78.7	
53 2-Chloronaphthalene	162	7.034	7.034	0.000	97	799421	80.0	79.7	
54 Phenyl ether	170	7.116	7.116	0.000	87	561377	80.0	81.2	
55 2-Nitroaniline	65	7.140	7.134	0.006	97	322632	80.0	80.7	
57 1,3-Dimethylnaphthalene	156	7.251	7.251	0.000	92	671876	80.0	79.0	
58 Dimethyl phthalate	163	7.328	7.322	0.006	99	777748	80.0	79.4	
59 Coumarin	146	7.345	7.339	0.006	80	263242	80.0	76.5	
60 2,6-Dinitrotoluene	165	7.381	7.375	0.006	94	190351	80.0	80.2	
63 Acenaphthylene	152	7.451	7.445	0.006	97	1231971	80.0	80.4	
64 3-Nitroaniline	138	7.551	7.545	0.006	93	212405	80.0	80.6	
* 65 Acenaphthene-d10	164	7.592	7.586	0.006	97	316383	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	99	720151	80.0	82.8	
67 Acenaphthene	154	7.628	7.622	0.006	95	722400	80.0	73.8	
68 2,4-Dinitrophenol	184	7.651	7.645	0.006	95	224120	160.0	162.4	
69 4-Nitrophenol	65	7.716	7.710	0.006	94	294612	160.0	164.6	
70 2,4-Dinitrotoluene	165	7.781	7.775	0.006	96	229455	80.0	79.6	
71 Dibenzofuran	168	7.798	7.792	0.006	96	1043478	80.0	79.1	
72 2,3,4,6-Tetrachlorophenol	232	7.916	7.916	0.000	92	183309	80.0	82.0	
73 Diethyl phthalate	149	8.028	8.022	0.006	98	703323	80.0	77.9	
75 4-Chlorophenyl phenyl ethe	204	8.134	8.128	0.006	84	347581	80.0	77.3	
74 Fluorene	166	8.134	8.133	0.001	96	765926	80.0	75.6	
76 4-Nitroaniline	138	8.169	8.157	0.012	94	189072	80.0	79.4	
77 4,6-Dinitro-2-methylphenol	198	8.192	8.186	0.006	83	247404	160.0	180.8	
78 N-Nitrosodiphenylamine	169	8.257	8.251	0.006	67	1078365	160.0	155.3	
79 1,2-Diphenylhydrazine	77	8.292	8.292	0.000	98	824090	80.0	81.4	
\$ 80 2,4,6-Tribromophenol	330	8.375	8.375	0.000	94	115397	80.0	85.0	
81 4-Bromophenyl phenyl ether	248	8.616	8.616	0.000	86	202797	80.0	82.1	
82 Hexachlorobenzene	284	8.686	8.686	0.000	98	213791	80.0	80.9	
84 Pentachlorophenol	266	8.881	8.881	0.001	94	239779	160.0	175.3	
85 Pentachloronitrobenzene	237	8.892	8.898	-0.006	87	75781	80.0	83.8	
86 n-Octadecane	57	8.951	8.957	-0.006	88	830108	80.0	81.4	
* 87 Phenanthrene-d10	188	9.063	9.063	0.000	99	427531	40.0	40.0	
88 Phenanthrene	178	9.092	9.092	0.000	98	940579	80.0	77.5	
89 Anthracene	178	9.139	9.139	0.000	98	963903	80.0	78.4	
90 Carbazole	167	9.292	9.292	0.000	96	803498	80.0	76.9	
91 Di-n-butyl phthalate	149	9.633	9.639	-0.006	100	947673	80.0	77.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.269	10.275	-0.006	97	777578	80.0	77.5	
93 Benzidine	184	10.398	10.398	0.000	100	478467	80.0	89.5	
94 Pyrene	202	10.504	10.504	0.000	97	782445	80.0	74.8	
95 Bisphenol-A	213	10.539	10.545	-0.006	99	273248	80.0	77.6	
\$ 96 Terphenyl-d14	244	10.657	10.663	-0.006	99	555665	80.0	77.6	
97 Butyl benzyl phthalate	149	11.204	11.210	-0.006	99	322211	80.0	79.2	
99 Carbamazepine	193	11.333	11.339	-0.006	92	244028	80.0	91.0	
100 3,3'-Dichlorobenzidine	252	11.851	11.857	-0.006	99	221147	80.0	91.4	
101 Benzo[a]anthracene	228	11.886	11.886	0.000	99	571938	80.0	77.7	
* 102 Chrysene-d12	240	11.898	11.904	-0.006	98	239064	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.916	11.927	-0.011	91	443318	80.0	80.7	
103 Chrysene	228	11.933	11.933	0.000	99	502526	80.0	79.4	
105 Di-n-octyl phthalate	149	12.804	12.810	-0.006	97	698083	80.0	82.0	
106 Benzo[b]fluoranthene	252	13.339	13.339	0.000	99	489772	80.0	83.4	
107 Benzo[k]fluoranthene	252	13.380	13.380	0.000	99	485433	80.0	77.4	
108 Benzo[a]pyrene	252	13.798	13.798	0.000	96	444759	80.0	82.1	
* 109 Perylene-d12	264	13.868	13.874	-0.006	97	196848	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.492	15.492	0.000	99	375618	80.0	91.2	
111 Dibenz(a,h)anthracene	278	15.527	15.527	0.000	96	372091	80.0	86.4	
112 Benzo[g,h,i]perylene	276	15.945	15.945	0.000	96	362472	80.0	82.2	
S 119 Total Cresols	1				0			155.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

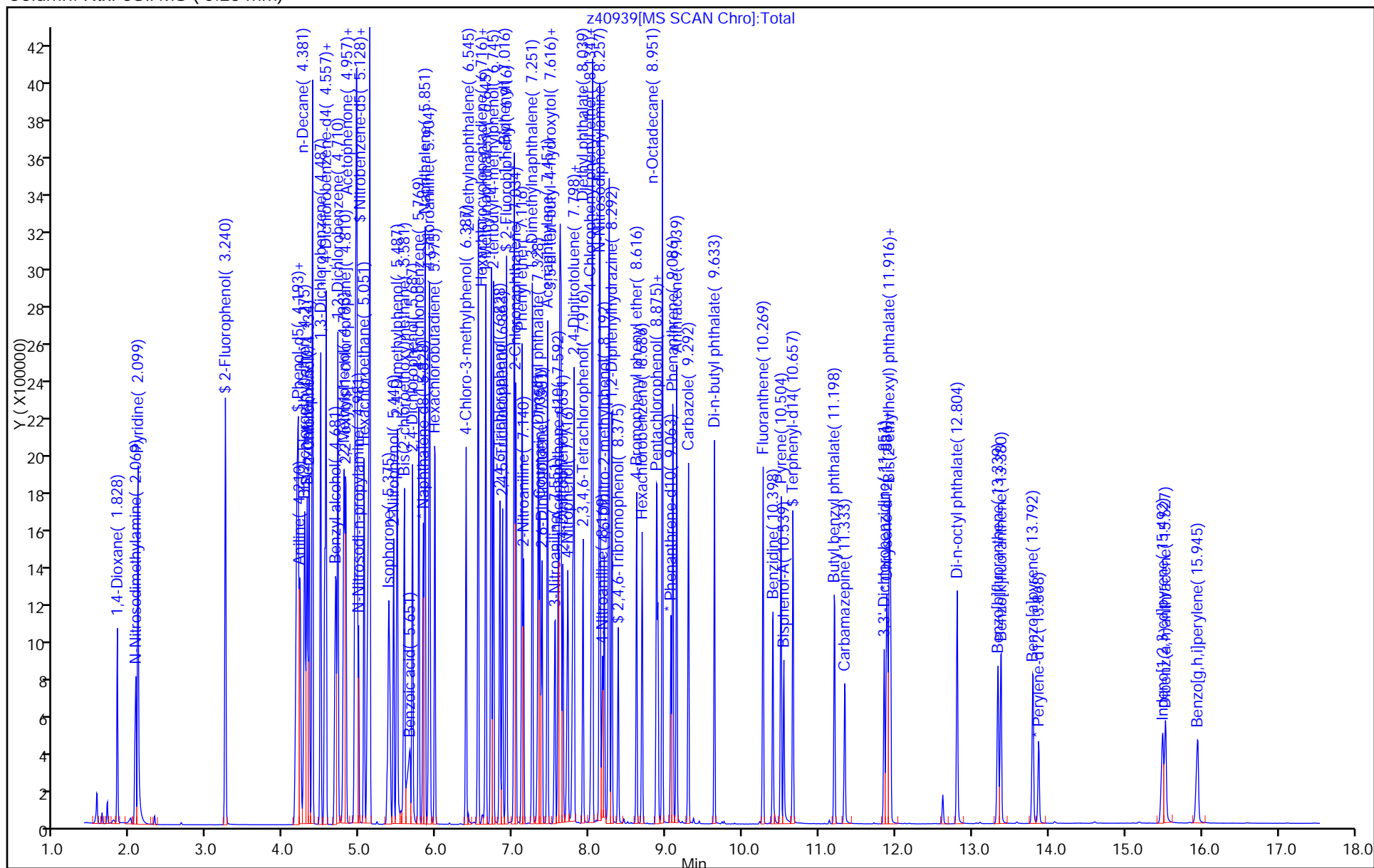
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Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40939.D		
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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

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 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 23-Feb-2016 14:51:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-005
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:34:08 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:34:08

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	1.840	1.828	0.012	92	78334	20.0	20.8	
2 N-Nitrosodimethylamine	74	2.063	2.063	0.000	82	111573	20.0	20.1	
3 Pyridine	79	2.104	2.099	0.005	79	197721	20.0	20.6	
\$ 4 2-Fluorophenol	112	3.234	3.234	0.000	91	186295	20.0	21.1	
\$ 6 Phenol-d5	99	4.151	4.157	-0.006	90	214810	20.0	20.7	
7 Phenol	94	4.163	4.175	-0.012	98	211865	20.0	20.3	
8 Aniline	93	4.198	4.204	-0.006	99	265162	20.0	20.4	
9 Bis(2-chloroethyl)ether	93	4.257	4.263	-0.006	92	177694	20.0	19.8	
10 Benzonitrile	103	4.281	4.293	-0.012	0	315294	NC	NC	
11 2-Chlorophenol	128	4.322	4.328	-0.006	93	180396	20.0	20.9	
12 n-Decane	43	4.375	4.375	0.000	89	286130	20.0	21.8	
13 1,3-Dichlorobenzene	146	4.481	4.481	0.000	95	200676	20.0	21.2	
* 14 1,4-Dichlorobenzene-d4	152	4.534	4.534	0.000	98	245003	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.551	4.551	0.000	94	200118	20.0	21.2	
16 Benzyl alcohol	108	4.663	4.669	-0.006	93	98988	20.0	19.6	
17 1,2-Dichlorobenzene	146	4.704	4.704	0.000	95	188929	20.0	21.3	
18 2-Methylphenol	108	4.775	4.781	-0.006	88	151778	20.0	20.6	
19 2,2'-oxybis[1-chloropropan	45	4.804	4.810	-0.006	94	333344	20.0	21.3	
20 N-Methylaniline	106	4.928	4.928	0.000	0	237517	NC	NC	
21 N-Nitrosodi-n-propylamine	70	4.939	4.945	-0.006	93	114458	20.0	19.6	
22 Acetophenone	105	4.934	4.945	-0.011	91	203787	20.0	21.0	
24 4-Methylphenol	108	4.934	4.945	-0.011	84	161884	20.0	21.0	
23 3 & 4 Methylphenol	108	4.934	4.945	-0.011	85	161884	20.0	21.0	
25 Hexachloroethane	117	5.045	5.051	-0.006	94	78557	20.0	20.9	
\$ 26 Nitrobenzene-d5	82	5.087	5.093	-0.006	93	176792	20.0	20.9	
27 Nitrobenzene	77	5.110	5.116	-0.006	90	225848	20.0	20.3	
28 n,n'-Dimethylaniline	120	5.110	5.122	-0.012	93	244579	20.0	20.3	
31 Isophorone	82	5.351	5.363	-0.012	98	281272	20.0	20.6	
32 2-Nitrophenol	139	5.428	5.434	-0.006	88	85741	20.0	20.9	
33 2,4-Dimethylphenol	122	5.469	5.475	-0.006	92	138479	20.0	20.9	
34 Bis(2-chloroethoxy)methane	93	5.569	5.575	-0.006	95	184005	20.0	21.2	

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	5.575	5.616	-0.041	93	84100	20.0	22.6	
36 2,4-Dichlorophenol	162	5.675	5.681	-0.006	95	124821	20.0	21.4	
37 1,2,4-Trichlorobenzene	180	5.763	5.763	0.000	95	136683	20.0	20.5	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	844314	40.0	40.0	
39 Naphthalene	128	5.839	5.845	-0.006	99	468446	20.0	21.7	
40 4-Chloroaniline	127	5.892	5.898	-0.006	96	185780	20.0	21.4	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	73432	20.0	20.9	
43 4-Chloro-3-methylphenol	107	6.375	6.381	-0.006	98	115043	20.0	21.2	
44 2-Methylnaphthalene	142	6.539	6.539	0.000	86	299433	20.0	21.6	
45 1-Methylnaphthalene	142	6.639	6.639	0.000	94	258466	20.0	21.4	
46 Hexachlorocyclopentadiene	237	6.704	6.710	-0.006	94	69560	20.0	20.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.710	6.716	-0.006	96	116519	20.0	22.2	
48 2-tertbutyl-4-methylphenol	149	6.733	6.739	-0.006	92	184773	20.0	21.3	
49 2,4,6-Trichlorophenol	196	6.822	6.828	-0.006	88	75921	20.0	21.6	
50 2,4,5-Trichlorophenol	196	6.851	6.857	-0.006	95	74292	20.0	21.3	
\$ 51 2-Fluorobiphenyl	172	6.904	6.910	-0.006	98	306478	20.0	21.5	
52 1,1'-Biphenyl	154	7.004	7.010	-0.006	95	336102	20.0	22.3	
53 2-Chloronaphthalene	162	7.028	7.034	-0.006	97	247119	20.0	22.0	
54 Phenyl ether	170	7.110	7.116	-0.006	90	169705	20.0	21.9	
55 2-Nitroaniline	65	7.128	7.134	-0.006	98	99546	20.0	22.2	
57 1,3-Dimethylnaphthalene	156	7.245	7.251	-0.006	93	213114	20.0	22.4	
58 Dimethyl phthalate	163	7.310	7.322	-0.012	99	246737	20.0	22.5	
59 Coumarin	146	7.333	7.339	-0.006	74	82019	20.0	21.8	
60 2,6-Dinitrotoluene	165	7.369	7.375	-0.006	95	59511	20.0	22.4	
63 Acenaphthylene	152	7.439	7.445	-0.006	97	380933	20.0	22.2	
64 3-Nitroaniline	138	7.533	7.545	-0.012	92	66116	20.0	22.4	
* 65 Acenaphthene-d10	164	7.586	7.586	0.000	98	354228	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.604	7.610	-0.006	98	213271	20.0	21.9	
67 Acenaphthene	154	7.616	7.622	-0.006	94	247515	20.0	22.6	
68 2,4-Dinitrophenol	184	7.633	7.633	0.000	93	63041	40.0	45.1	
69 4-Nitrophenol	65	7.698	7.710	-0.012	95	90102	40.0	45.0	
70 2,4-Dinitrotoluene	165	7.763	7.775	-0.012	95	72944	20.0	22.6	
71 Dibenzofuran	168	7.786	7.792	-0.006	96	327285	20.0	22.2	
72 2,3,4,6-Tetrachlorophenol	232	7.910	7.916	-0.006	93	55117	20.0	22.0	
73 Diethyl phthalate	149	8.010	8.022	-0.012	98	235496	20.0	23.3	
75 4-Chlorophenyl phenyl ethe	204	8.122	8.128	-0.006	86	115394	20.0	22.9	
74 Fluorene	166	8.127	8.133	-0.006	96	257141	20.0	22.7	
76 4-Nitroaniline	138	8.139	8.157	-0.018	94	61538	20.0	23.1	
77 4,6-Dinitro-2-methylphenol	198	8.175	8.186	-0.011	82	76479	40.0	44.6	
78 N-Nitrosodiphenylamine	169	8.239	8.251	-0.012	66	360579	40.0	41.4	
79 1,2-Diphenylhydrazine	77	8.280	8.292	-0.012	99	261048	20.0	20.6	
\$ 80 2,4,6-Tribromophenol	330	8.363	8.375	-0.012	94	33577	20.0	22.1	
81 4-Bromophenyl phenyl ether	248	8.610	8.616	-0.006	87	65275	20.0	21.1	
82 Hexachlorobenzene	284	8.680	8.686	-0.006	98	68627	20.0	20.7	
84 Pentachlorophenol	266	8.869	8.881	-0.011	94	74646	40.0	43.6	
85 Pentachloronitrobenzene	237	8.886	8.898	-0.012	87	24501	20.0	21.6	
86 n-Octadecane	57	8.945	8.957	-0.012	88	271395	20.0	21.2	
* 87 Phenanthrene-d10	188	9.057	9.063	-0.006	99	535715	40.0	40.0	
88 Phenanthrene	178	9.080	9.092	-0.012	98	327089	20.0	21.5	
89 Anthracene	178	9.133	9.139	-0.006	98	333529	20.0	21.7	
90 Carbazole	167	9.286	9.292	-0.006	96	284451	20.0	21.7	
91 Di-n-butyl phthalate	149	9.627	9.639	-0.012	100	337744	20.0	22.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.263	10.275	-0.012	97	272255	20.0	21.6	
93 Benzidine	184	10.392	10.398	-0.006	100	146372	20.0	21.9	
94 Pyrene	202	10.498	10.504	-0.006	97	270613	20.0	21.9	
95 Bisphenol-A	213	10.533	10.545	-0.012	99	51480	20.0	17.9	
\$ 96 Terphenyl-d14	244	10.651	10.663	-0.012	99	186872	20.0	22.1	
97 Butyl benzyl phthalate	149	11.198	11.210	-0.012	99	101884	20.0	21.2	
99 Carbamazepine	193	11.327	11.339	-0.012	93	63642	20.0	20.1	
100 3,3'-Dichlorobenzidine	252	11.845	11.857	-0.012	100	65299	20.0	22.8	
101 Benzo[a]anthracene	228	11.880	11.886	-0.006	99	173944	20.0	20.0	
* 102 Chrysene-d12	240	11.892	11.904	-0.012	98	282842	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.915	11.927	-0.012	91	137528	20.0	21.2	
103 Chrysene	228	11.921	11.933	-0.012	99	156903	20.0	20.9	
105 Di-n-octyl phthalate	149	12.798	12.810	-0.012	97	195035	20.0	20.8	
106 Benzo[b]fluoranthene	252	13.327	13.339	-0.012	98	131601	20.0	20.3	
107 Benzo[k]fluoranthene	252	13.368	13.380	-0.012	99	140099	20.0	20.3	
108 Benzo[a]pyrene	252	13.786	13.798	-0.012	96	125401	20.0	21.0	
* 109 Perylene-d12	264	13.868	13.874	-0.006	97	217001	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.474	15.492	-0.018	99	97973	20.0	21.6	
111 Dibenz(a,h)anthracene	278	15.509	15.527	-0.018	96	104109	20.0	21.9	
112 Benzo[g,h,i]perylene	276	15.927	15.945	-0.018	97	102721	20.0	21.1	
S 119 Total Cresols	1				0			41.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

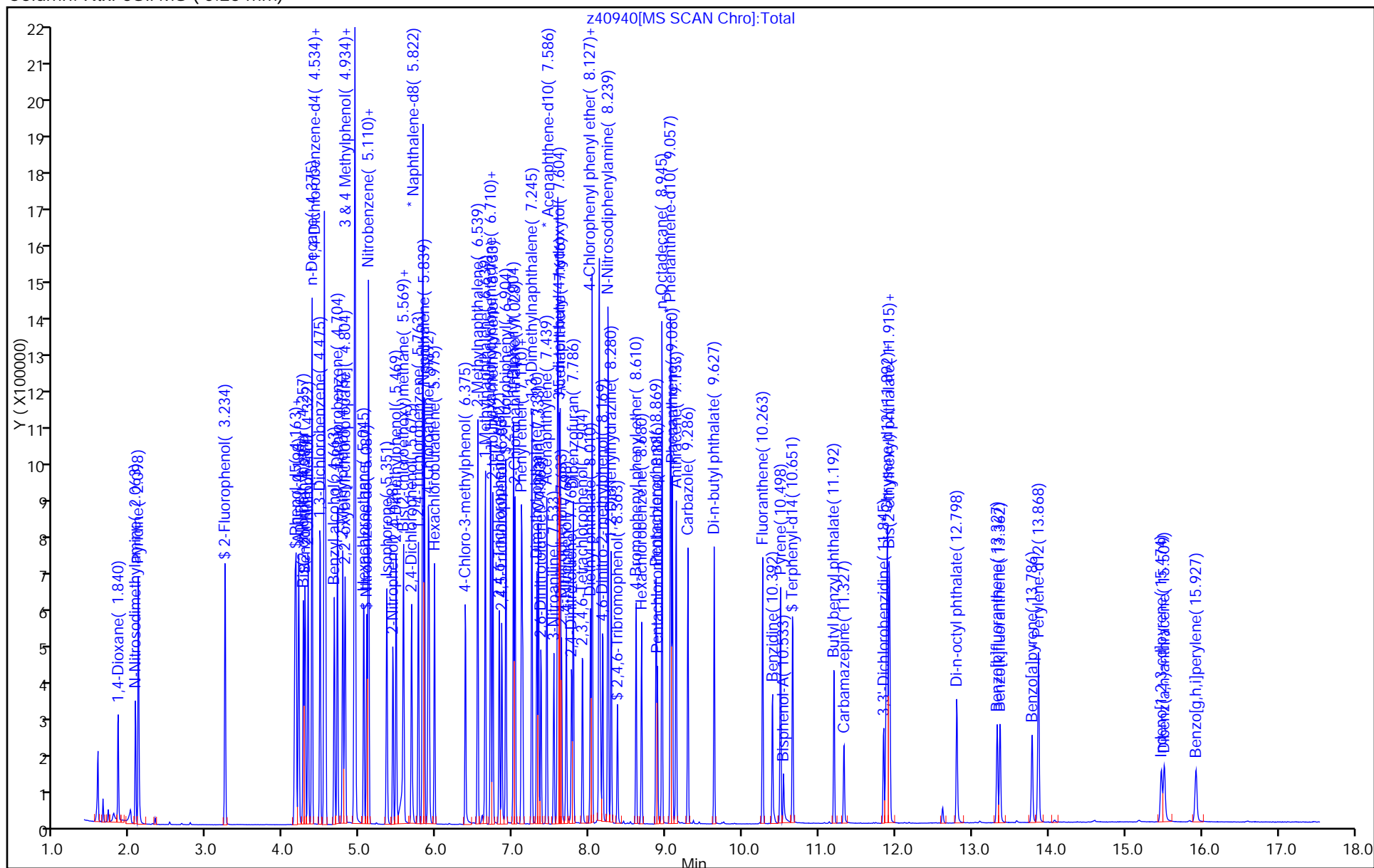
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Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40940.D		
Injection Date:	23-Feb-2016 14:51:30	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\20160223-37612.b\z40941.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 23-Feb-2016 15:15:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-006
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:34:35 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:34:35

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	1.834	1.828	0.006	90	40186	10.0	10.7	
2 N-Nitrosodimethylamine	74	2.057	2.063	-0.006	83	59063	10.0	10.7	
3 Pyridine	79	2.099	2.099	0.000	78	103198	10.0	10.8	
\$ 4 2-Fluorophenol	112	3.234	3.234	0.000	91	94207	10.0	10.8	
\$ 6 Phenol-d5	99	4.145	4.157	-0.012	88	111360	10.0	10.8	
7 Phenol	94	4.157	4.157	0.000	98	112191	10.0	10.9	
8 Aniline	93	4.193	4.204	-0.011	99	139605	10.0	10.8	
9 Bis(2-chloroethyl)ether	93	4.257	4.263	-0.006	92	93713	10.0	10.5	
10 Benzonitrile	103	4.275	4.293	-0.018	0	153795	NC	NC	
11 2-Chlorophenol	128	4.316	4.328	-0.012	92	95197	10.0	11.1	
12 n-Decane	43	4.369	4.375	-0.006	90	150339	10.0	11.5	
13 1,3-Dichlorobenzene	146	4.475	4.481	-0.006	95	104701	10.0	11.1	
* 14 1,4-Dichlorobenzene-d4	152	4.534	4.534	0.000	98	243231	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.545	4.551	-0.006	96	105443	10.0	11.3	
16 Benzyl alcohol	108	4.657	4.669	-0.012	93	51362	10.0	10.2	
17 1,2-Dichlorobenzene	146	4.704	4.704	0.000	95	98516	10.0	11.2	
18 2-Methylphenol	108	4.769	4.781	-0.012	90	81088	10.0	11.1	
19 2,2'-oxybis[1-chloropropan	45	4.804	4.810	-0.006	94	176356	10.0	11.4	
20 N-Methylaniline	106	4.922	4.928	-0.006	0	120161	NC	NC	
21 N-Nitrosodi-n-propylamine	70	4.934	4.945	-0.011	92	61422	10.0	10.6	
22 Acetophenone	105	4.934	4.945	-0.011	88	110040	10.0	11.4	
24 4-Methylphenol	108	4.928	4.945	-0.017	84	87491	10.0	11.4	
23 3 & 4 Methylphenol	108	4.928	4.945	-0.017	87	87491	10.0	11.4	
25 Hexachloroethane	117	5.045	5.051	-0.006	95	39786	10.0	10.6	
\$ 26 Nitrobenzene-d5	82	5.087	5.093	-0.006	91	92260	10.0	10.9	
27 Nitrobenzene	77	5.104	5.116	-0.012	91	119256	10.0	10.7	
28 n,n'-Dimethylaniline	120	5.110	5.122	-0.012	93	123618	10.0	10.3	
31 Isophorone	82	5.345	5.363	-0.018	99	148614	10.0	10.8	
32 2-Nitrophenol	139	5.428	5.434	-0.006	89	44886	10.0	10.9	
33 2,4-Dimethylphenol	122	5.469	5.475	-0.006	92	73375	10.0	11.0	
34 Bis(2-chloroethoxy)methane	93	5.563	5.575	-0.012	95	96024	10.0	11.0	

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	5.551	5.616	-0.065	90	39487	10.0	11.4	
36 2,4-Dichlorophenol	162	5.669	5.681	-0.012	94	64529	10.0	11.0	
37 1,2,4-Trichlorobenzene	180	5.763	5.763	0.000	94	72864	10.0	10.9	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	847329	40.0	40.0	
39 Naphthalene	128	5.839	5.845	-0.006	99	249693	10.0	11.5	
40 4-Chloroaniline	127	5.887	5.898	-0.011	96	99806	10.0	11.5	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	38463	10.0	10.9	
43 4-Chloro-3-methylphenol	107	6.375	6.381	-0.006	98	56216	10.0	10.3	
44 2-Methylnaphthalene	142	6.534	6.539	-0.005	87	157833	10.0	11.3	
45 1-Methylnaphthalene	142	6.634	6.639	-0.005	94	138069	10.0	11.4	
46 Hexachlorocyclopentadiene	237	6.704	6.710	-0.006	96	34930	10.0	11.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.710	6.716	-0.006	97	61635	10.0	11.8	
48 2-tertbutyl-4-methylphenol	149	6.734	6.739	-0.005	92	87989	10.0	10.1	
49 2,4,6-Trichlorophenol	196	6.816	6.828	-0.012	87	37898	10.0	10.9	
50 2,4,5-Trichlorophenol	196	6.851	6.857	-0.006	94	37714	10.0	10.9	
\$ 51 2-Fluorobiphenyl	172	6.904	6.910	-0.006	98	156293	10.0	11.1	
52 1,1'-Biphenyl	154	7.004	7.010	-0.006	95	176786	10.0	11.8	
53 2-Chloronaphthalene	162	7.022	7.034	-0.012	97	129908	10.0	11.7	
54 Phenyl ether	170	7.110	7.116	-0.006	90	81881	10.0	10.7	
55 2-Nitroaniline	65	7.122	7.134	-0.012	97	50401	10.0	11.3	
57 1,3-Dimethylnaphthalene	156	7.245	7.251	-0.006	93	105987	10.0	11.2	
58 Dimethyl phthalate	163	7.304	7.322	-0.018	99	124602	10.0	11.4	
59 Coumarin	146	7.328	7.339	-0.011	74	39247	10.0	10.4	
60 2,6-Dinitrotoluene	165	7.363	7.375	-0.012	94	29481	10.0	11.2	
63 Acenaphthylene	152	7.439	7.445	-0.006	97	200561	10.0	11.8	
64 3-Nitroaniline	138	7.528	7.545	-0.017	91	33445	10.0	11.4	
* 65 Acenaphthene-d10	164	7.581	7.586	-0.005	98	351374	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.598	7.610	-0.012	99	101922	10.0	10.6	
67 Acenaphthene	154	7.616	7.622	-0.006	94	137407	10.0	12.6	
68 2,4-Dinitrophenol	184	7.628	7.633	-0.005	94	27863	20.0	21.1	
69 4-Nitrophenol	65	7.692	7.710	-0.018	94	43622	20.0	21.9	
70 2,4-Dinitrotoluene	165	7.763	7.775	-0.012	95	36335	10.0	11.4	
71 Dibenzofuran	168	7.786	7.792	-0.006	96	173171	10.0	11.8	
72 2,3,4,6-Tetrachlorophenol	232	7.904	7.916	-0.012	92	27875	10.0	11.2	
73 Diethyl phthalate	149	8.010	8.022	-0.012	98	117332	10.0	11.7	
75 4-Chlorophenyl phenyl ethe	204	8.122	8.128	-0.006	85	60163	10.0	12.0	
74 Fluorene	166	8.122	8.133	-0.011	97	137453	10.0	12.2	
76 4-Nitroaniline	138	8.133	8.157	-0.024	95	30394	10.0	11.5	
77 4,6-Dinitro-2-methylphenol	198	8.169	8.186	-0.017	81	34485	20.0	20.7	
78 N-Nitrosodiphenylamine	169	8.239	8.251	-0.012	66	188554	20.0	22.3	
79 1,2-Diphenylhydrazine	77	8.280	8.292	-0.012	99	134627	10.0	10.9	
\$ 80 2,4,6-Tribromophenol	330	8.363	8.375	-0.012	95	16540	10.0	11.0	
81 4-Bromophenyl phenyl ether	248	8.604	8.616	-0.012	84	32262	10.0	10.7	
82 Hexachlorobenzene	284	8.675	8.686	-0.011	98	34271	10.0	10.6	
84 Pentachlorophenol	266	8.869	8.881	-0.011	94	34011	20.0	20.4	
85 Pentachloronitrobenzene	237	8.886	8.898	-0.012	86	10971	10.0	9.95	
86 n-Octadecane	57	8.945	8.957	-0.012	88	136429	10.0	11.0	
* 87 Phenanthrene-d10	188	9.057	9.063	-0.006	99	521468	40.0	40.0	
88 Phenanthrene	178	9.080	9.092	-0.012	97	167693	10.0	11.3	
89 Anthracene	178	9.127	9.139	-0.012	98	168269	10.0	11.2	
90 Carbazole	167	9.280	9.292	-0.012	96	145542	10.0	11.4	
91 Di-n-butyl phthalate	149	9.627	9.639	-0.012	100	168386	10.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.263	10.275	-0.012	98	141077	10.0	11.5	
93 Benzidine	184	10.386	10.398	-0.012	100	64197	10.0	9.85	
94 Pyrene	202	10.492	10.504	-0.012	97	142329	10.0	11.5	
95 Bisphenol-A	213	10.533	10.545	-0.012	98	13101	10.0	8.94	
\$ 96 Terphenyl-d14	244	10.651	10.663	-0.012	99	93718	10.0	11.1	
97 Butyl benzyl phthalate	149	11.192	11.210	-0.018	99	53835	10.0	11.2	
99 Carbamazepine	193	11.321	11.339	-0.018	92	28656	10.0	9.02	
100 3,3'-Dichlorobenzidine	252	11.839	11.857	-0.018	99	27777	10.0	9.69	
101 Benzo[a]anthracene	228	11.874	11.886	-0.012	99	91065	10.0	10.4	
* 102 Chrysene-d12	240	11.892	11.904	-0.012	98	283172	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.916	11.927	-0.011	91	71678	10.0	11.0	
103 Chrysene	228	11.921	11.933	-0.012	99	84043	10.0	11.2	
105 Di-n-octyl phthalate	149	12.798	12.810	-0.012	97	96885	10.0	11.0	
106 Benzo[b]fluoranthene	252	13.321	13.339	-0.018	98	67493	10.0	11.1	
107 Benzo[k]fluoranthene	252	13.363	13.380	-0.018	98	69084	10.0	10.6	
108 Benzo[a]pyrene	252	13.780	13.798	-0.018	97	60946	10.0	10.8	
* 109 Perylene-d12	264	13.868	13.874	-0.006	97	204197	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.468	15.492	-0.024	98	46643	10.0	10.9	
111 Dibenz(a,h)anthracene	278	15.509	15.527	-0.018	96	47301	10.0	10.6	
112 Benzo[g,h,i]perylene	276	15.921	15.945	-0.024	97	47869	10.0	10.5	
S 119 Total Cresols	1				0			22.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L4_00009

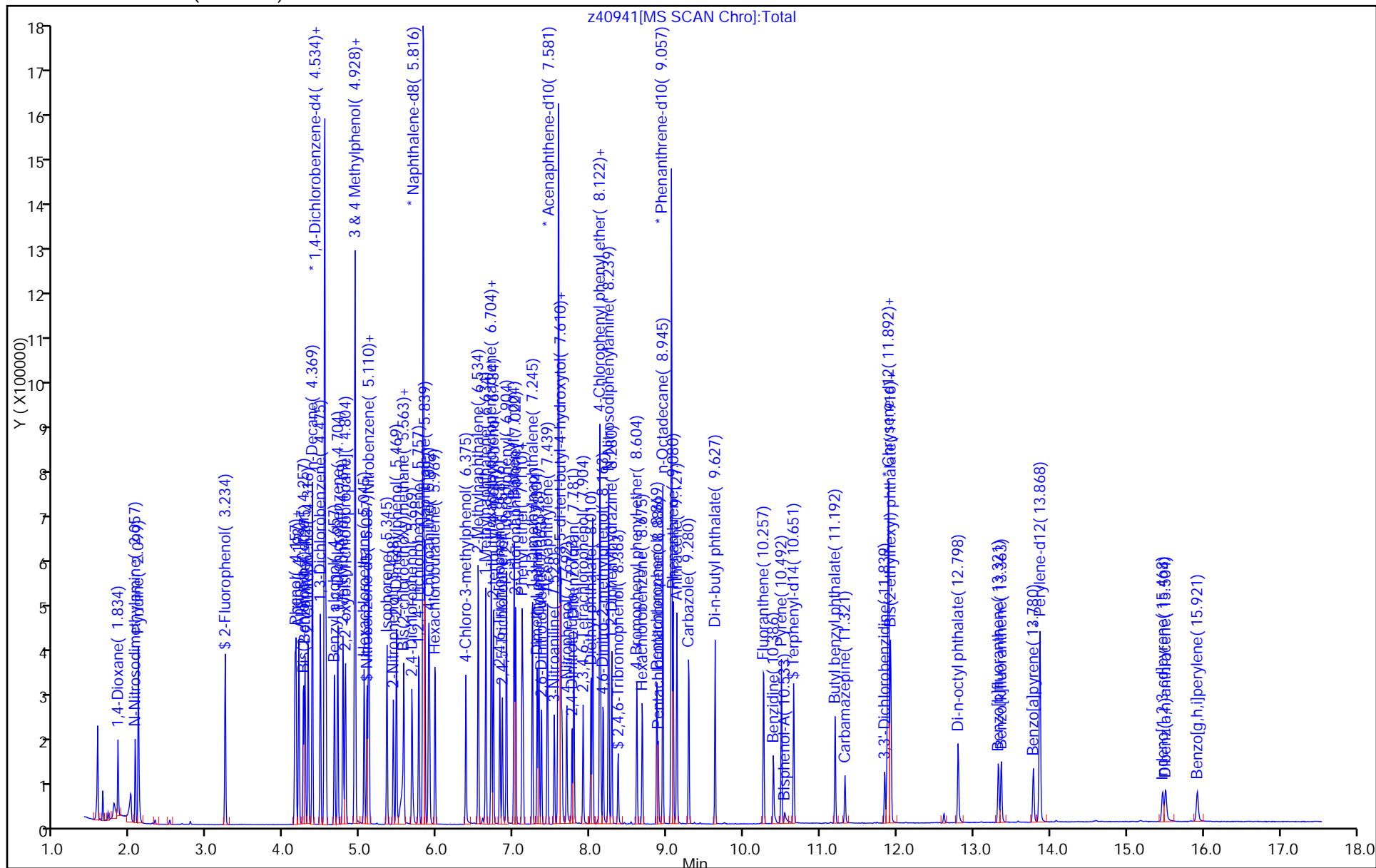
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40941.D
Injection Date: 23-Feb-2016 15:15:30 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)

Operator ID:
Worklist Smp#: 6
ALS Bottle#: 6



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40942.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 23-Feb-2016 15:38:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-007
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:35:02 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:35:02

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	1.834	1.828	0.006	91	18279	5.00	4.29	
2 N-Nitrosodimethylamine	74	2.057	2.063	-0.006	83	27288	5.00	4.34	
3 Pyridine	79	2.104	2.099	0.005	79	47542	5.00	4.38	
\$ 4 2-Fluorophenol	112	3.234	3.234	0.000	92	44821	5.00	4.49	
7 Phenol	94	4.151	4.157	-0.006	98	51875	5.00	4.40	
\$ 6 Phenol-d5	99	4.140	4.157	-0.017	86	53386	5.00	4.55	
8 Aniline	93	4.192	4.204	-0.012	99	63480	5.00	4.31	
9 Bis(2-chloroethyl)ether	93	4.251	4.263	-0.012	92	42698	5.00	4.20	
10 Benzonitrile	103	4.269	4.293	-0.024	0	78482	NC	NC	
11 2-Chlorophenol	128	4.316	4.328	-0.012	93	42964	5.00	4.40	
12 n-Decane	43	4.369	4.375	-0.006	89	68860	5.00	4.63	
13 1,3-Dichlorobenzene	146	4.475	4.481	-0.006	95	48613	5.00	4.54	
* 14 1,4-Dichlorobenzene-d4	152	4.534	4.534	0.000	98	277391	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.545	4.551	-0.006	82	48611	5.00	4.56	
16 Benzyl alcohol	108	4.657	4.669	-0.012	94	24724	5.00	4.31	
17 1,2-Dichlorobenzene	146	4.704	4.704	0.000	96	46254	5.00	4.61	
18 2-Methylphenol	108	4.769	4.781	-0.012	88	36525	5.00	4.38	
19 2,2'-oxybis[1-chloropropan	45	4.798	4.810	-0.012	94	81272	5.00	4.60	
20 N-Methylaniline	106	4.922	4.928	-0.006	0	61383	NC	NC	
21 N-Nitrosodi-n-propylamine	70	4.928	4.945	-0.017	92	28738	5.00	4.35	
22 Acetophenone	105	4.928	4.945	-0.017	90	51729	5.00	4.72	
24 4-Methylphenol	108	4.922	4.945	-0.023	87	40089	5.00	4.59	
23 3 & 4 Methylphenol	108	4.922	4.945	-0.023	84	40089	5.00	4.59	
25 Hexachloroethane	117	5.045	5.051	-0.006	95	18527	5.00	4.34	
\$ 26 Nitrobenzene-d5	82	5.081	5.093	-0.012	91	45285	5.00	4.59	
27 Nitrobenzene	77	5.104	5.116	-0.012	89	56660	5.00	4.36	
28 n,n'-Dimethylaniline	120	5.110	5.122	-0.012	92	62151	5.00	4.56	
31 Isophorone	82	5.339	5.363	-0.024	98	67377	5.00	4.22	
32 2-Nitrophenol	139	5.428	5.434	-0.006	90	19904	5.00	4.16	
33 2,4-Dimethylphenol	122	5.469	5.475	-0.006	93	33573	5.00	4.34	
34 Bis(2-chloroethoxy)methane	93	5.563	5.575	-0.012	94	44146	5.00	4.36	

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	5.522	5.616	-0.094	91	14019	5.00	4.60	
36 2,4-Dichlorophenol	162	5.669	5.681	-0.012	94	28196	5.00	4.15	
37 1,2,4-Trichlorobenzene	180	5.757	5.763	-0.006	94	33027	5.00	4.25	
* 38 Naphthalene-d8	136	5.816	5.822	-0.006	99	984928	40.0	40.0	
39 Naphthalene	128	5.839	5.845	-0.006	99	114559	5.00	4.54	
40 4-Chloroaniline	127	5.886	5.898	-0.012	96	46875	5.00	4.63	
41 Hexachlorobutadiene	225	5.969	5.975	-0.006	93	17705	5.00	4.33	
43 4-Chloro-3-methylphenol	107	6.375	6.381	-0.006	98	26610	5.00	4.21	
44 2-Methylnaphthalene	142	6.533	6.539	-0.006	86	72766	5.00	4.50	
45 1-Methylnaphthalene	142	6.633	6.639	-0.006	94	64165	5.00	4.56	
46 Hexachlorocyclopentadiene	237	6.704	6.710	-0.006	96	14689	5.00	4.68	
47 1,2,4,5-Tetrachlorobenzene	216	6.704	6.716	-0.012	95	28162	5.00	4.07	
48 2-tertbutyl-4-methylphenol	149	6.733	6.739	-0.006	92	45801	5.00	4.52	
49 2,4,6-Trichlorophenol	196	6.816	6.828	-0.012	88	17465	5.00	3.76	
50 2,4,5-Trichlorophenol	196	6.851	6.857	-0.006	96	17876	5.00	3.89	
\$ 51 2-Fluorobiphenyl	172	6.904	6.910	-0.006	98	75897	5.00	4.04	
52 1,1'-Biphenyl	154	7.004	7.010	-0.006	95	80890	5.00	4.08	
53 2-Chloronaphthalene	162	7.022	7.034	-0.012	97	61417	5.00	4.15	
54 Phenyl ether	170	7.110	7.116	-0.006	90	41884	5.00	4.10	
55 2-Nitroaniline	65	7.116	7.134	-0.018	97	22980	5.00	3.89	
57 1,3-Dimethylnaphthalene	156	7.239	7.251	-0.012	93	51374	5.00	4.09	
58 Dimethyl phthalate	163	7.304	7.322	-0.018	99	58400	5.00	4.04	
59 Coumarin	146	7.328	7.339	-0.011	76	20002	5.00	4.56	
60 2,6-Dinitrotoluene	165	7.357	7.375	-0.018	93	13295	5.00	3.79	
63 Acenaphthylene	152	7.439	7.445	-0.006	97	89977	5.00	3.98	
64 3-Nitroaniline	138	7.528	7.545	-0.017	92	14959	5.00	3.84	
* 65 Acenaphthene-d10	164	7.580	7.586	-0.006	93	467219	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.598	7.610	-0.012	99	50039	5.00	3.90	
67 Acenaphthene	154	7.610	7.622	-0.012	94	62117	5.00	4.29	
68 2,4-Dinitrophenol	184	7.628	7.628	0.000	93	10509	10.0	6.96	
69 4-Nitrophenol	65	7.686	7.710	-0.024	94	18990	10.0	7.19	
70 2,4-Dinitrotoluene	165	7.757	7.775	-0.018	94	16502	5.00	3.88	
71 Dibenzofuran	168	7.780	7.792	-0.012	96	79949	5.00	4.10	
72 2,3,4,6-Tetrachlorophenol	232	7.904	7.916	-0.012	92	12521	5.00	3.79	
73 Diethyl phthalate	149	8.004	8.022	-0.018	98	54638	5.00	4.10	
75 4-Chlorophenyl phenyl ethe	204	8.122	8.128	-0.006	84	27190	5.00	4.09	
74 Fluorene	166	8.122	8.133	-0.011	95	63517	5.00	4.25	
76 4-Nitroaniline	138	8.133	8.157	-0.024	95	13869	5.00	3.94	
77 4,6-Dinitro-2-methylphenol	198	8.163	8.186	-0.023	79	14423	10.0	7.14	
78 N-Nitrosodiphenylamine	169	8.233	8.251	-0.018	66	88405	10.0	8.63	
79 1,2-Diphenylhydrazine	77	8.275	8.292	-0.017	99	62694	5.00	4.20	
\$ 80 2,4,6-Tribromophenol	330	8.363	8.375	-0.012	94	7876	5.00	3.93	
81 4-Bromophenyl phenyl ether	248	8.604	8.616	-0.012	85	14877	5.00	4.08	
82 Hexachlorobenzene	284	8.675	8.686	-0.011	98	15566	5.00	3.99	
84 Pentachlorophenol	266	8.869	8.881	-0.011	93	14576	10.0	7.22	
85 Pentachloronitrobenzene	237	8.886	8.898	-0.012	86	5111	5.00	3.83	
86 n-Octadecane	57	8.945	8.957	-0.012	88	60517	5.00	4.02	
* 87 Phenanthrene-d10	188	9.057	9.063	-0.006	99	630964	40.0	40.0	
88 Phenanthrene	178	9.080	9.092	-0.012	98	78524	5.00	4.38	
89 Anthracene	178	9.127	9.139	-0.012	98	78313	5.00	4.32	
90 Carbazole	167	9.280	9.292	-0.012	96	68345	5.00	4.43	
91 Di-n-butyl phthalate	149	9.627	9.639	-0.012	100	78260	5.00	4.33	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.257	10.275	-0.018	97	65786	5.00	4.44	
93 Benzidine	184	10.386	10.398	-0.012	100	32126	5.00	4.07	
94 Pyrene	202	10.492	10.504	-0.012	96	65850	5.00	4.13	
95 Bisphenol-A	213	10.551	10.545	0.006	96	3643	5.00	6.50	
\$ 96 Terphenyl-d14	244	10.651	10.663	-0.012	99	47152	5.00	4.32	
97 Butyl benzyl phthalate	149	11.192	11.210	-0.018	98	25343	5.00	4.09	
99 Carbamazepine	193	11.321	11.339	-0.018	92	15280	5.00	3.74	
100 3,3'-Dichlorobenzidine	252	11.839	11.857	-0.018	99	13383	5.00	3.63	
101 Benzo[a]anthracene	228	11.874	11.886	-0.012	99	44027	5.00	3.93	
* 102 Chrysene-d12	240	11.892	11.904	-0.012	98	364076	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.915	11.927	-0.012	91	34336	5.00	4.10	
103 Chrysene	228	11.921	11.933	-0.012	99	40712	5.00	4.22	
105 Di-n-octyl phthalate	149	12.798	12.810	-0.012	97	45034	5.00	4.12	
106 Benzo[b]fluoranthene	252	13.321	13.339	-0.018	99	28939	5.00	3.84	
107 Benzo[k]fluoranthene	252	13.362	13.380	-0.018	99	32432	5.00	4.03	
108 Benzo[a]pyrene	252	13.780	13.798	-0.018	96	27266	5.00	3.92	
* 109 Perylene-d12	264	13.868	13.874	-0.006	97	252615	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.468	15.492	-0.024	99	19780	5.00	3.74	
111 Dibenz(a,h)anthracene	278	15.503	15.527	-0.024	94	20754	5.00	3.75	
112 Benzo[g,h,i]perylene	276	15.915	15.945	-0.030	95	21008	5.00	3.71	
S 119 Total Cresols	1				0			8.97	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

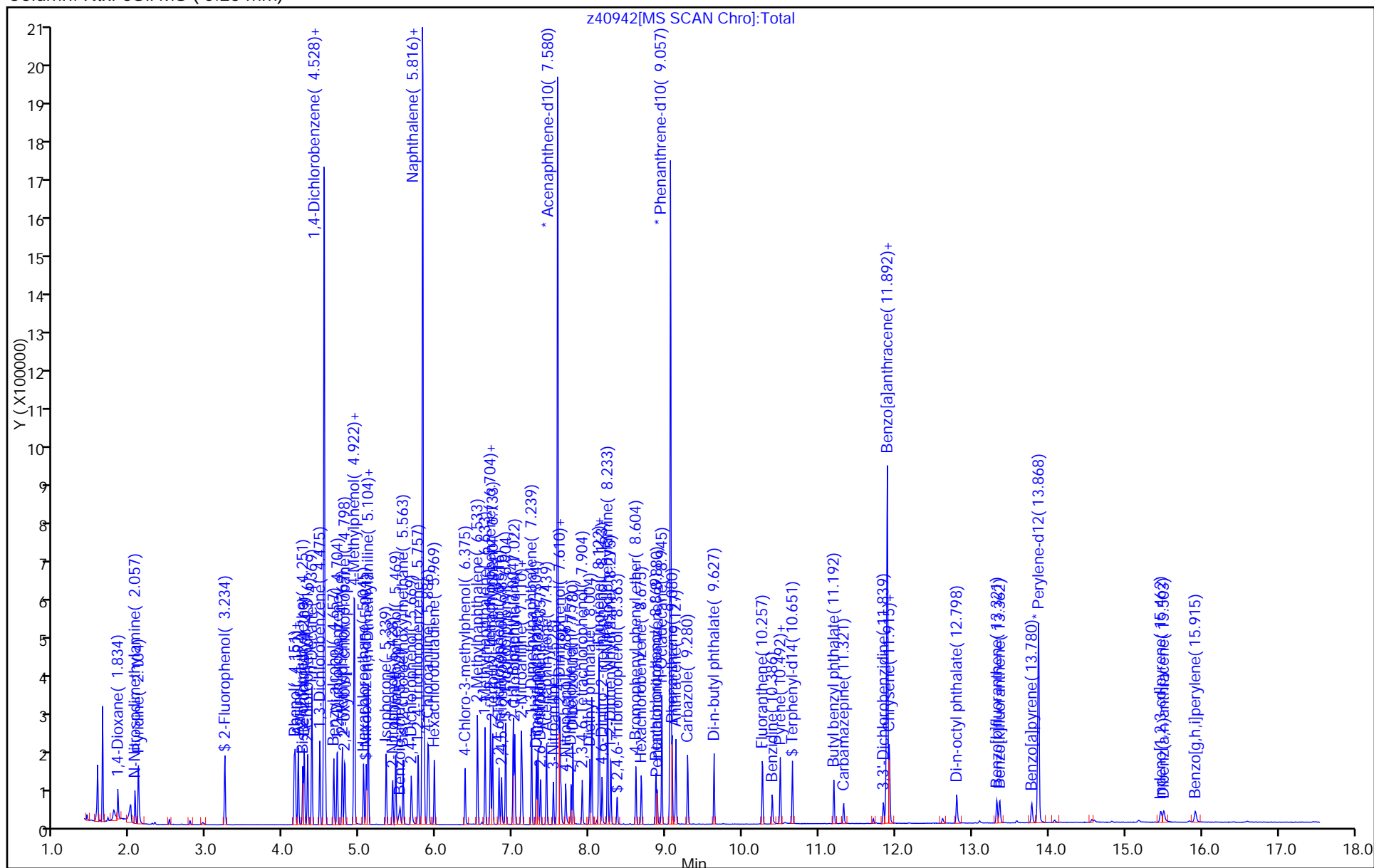
SV_IC_BNA_L3_00011

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40942.D		
Injection Date:	23-Feb-2016 15:38:30	Instrument ID:	CBNAMS11
Lims ID:	std5		
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#: 7



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40943.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 23-Feb-2016 16:02:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-008
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:35:36 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:35:36

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	3.234	3.234	0.000	91	18426	2.00	1.85	
\$ 6 Phenol-d5	99	4.140	4.157	-0.017	86	21765	2.00	1.86	
9 Bis(2-chloroethyl)ether	93	4.251	4.263	-0.012	91	20632	2.00	2.03	
* 14 1,4-Dichlorobenzene-d4	152	4.534	4.534	0.000	98	276614	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.928	4.945	-0.017	84	14333	2.00	2.17	
25 Hexachloroethane	117	5.046	5.051	-0.005	94	8798	2.00	2.07	
\$ 26 Nitrobenzene-d5	82	5.081	5.093	-0.012	91	18244	2.00	1.89	
27 Nitrobenzene	77	5.104	5.116	-0.012	89	26982	2.00	2.12	
28 n,n'-Dimethylaniline	120	5.110	5.122	-0.012	93	30617	2.00	2.25	
31 Isophorone	82	5.340	5.363	-0.023	98	34084	2.00	2.18	
37 1,2,4-Trichlorobenzene	180	5.757	5.763	-0.006	95	15730	2.00	2.07	
* 38 Naphthalene-d8	136	5.816	5.822	-0.006	99	964101	40.0	40.0	
41 Hexachlorobutadiene	225	5.969	5.975	-0.006	93	8312	2.00	2.07	
49 2,4,6-Trichlorophenol	196	6.816	6.828	-0.012	87	8428	2.00	2.03	
\$ 51 2-Fluorobiphenyl	172	6.904	6.910	-0.006	98	32008	2.00	1.90	
60 2,6-Dinitrotoluene	165	7.357	7.375	-0.018	92	6498	2.00	2.07	
* 65 Acenaphthene-d10	164	7.581	7.586	-0.005	97	418034	40.0	40.0	
68 2,4-Dinitrophenol	184	7.628	7.628	0.000	92	3946	4.00	3.66	
70 2,4-Dinitrotoluene	165	7.757	7.775	-0.018	91	8075	2.00	2.12	
77 4,6-Dinitro-2-methylphenol	198	8.163	8.186	-0.023	79	6390	4.00	3.08	
78 N-Nitrosodiphenylamine	169	8.234	8.251	-0.017	67	44856	4.00	4.26	
\$ 80 2,4,6-Tribromophenol	330	8.363	8.375	-0.012	92	3351	2.00	1.87	
82 Hexachlorobenzene	284	8.675	8.686	-0.011	98	7884	2.00	1.97	
84 Pentachlorophenol	266	8.869	8.881	-0.011	93	7167	4.00	3.46	
* 87 Phenanthrene-d10	188	9.057	9.063	-0.006	99	648066	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.651	10.663	-0.012	98	21366	2.00	1.86	
100 3,3'-Dichlorobenzidine	252	11.839	11.857	-0.018	99	6507	2.00	1.68	
101 Benzo[a]anthracene	228	11.874	11.886	-0.012	99	22956	2.00	1.95	
* 102 Chrysene-d12	240	11.892	11.904	-0.012	98	383041	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.321	13.339	-0.018	99	16178	2.00	1.96	
107 Benzo[k]fluoranthene	252	13.363	13.380	-0.017	98	17135	2.00	1.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	13.780	13.798	-0.018	96	14968	2.00	1.96	
* 109 Perylene-d12	264	13.868	13.874	-0.006	97	276902	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.462	15.492	-0.030	98	11120	2.00	1.92	
111 Dibenz(a,h)anthracene	278	15.510	15.527	-0.017	93	11323	2.00	1.87	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L0_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40943.D

Injection Date: 23-Feb-2016 16:02:30

Instrument ID: CBNAMS11

Lims ID: std2

Client ID:

Operator ID:

Worklist Smp#: 8

Injection Vol: 1.0 ul

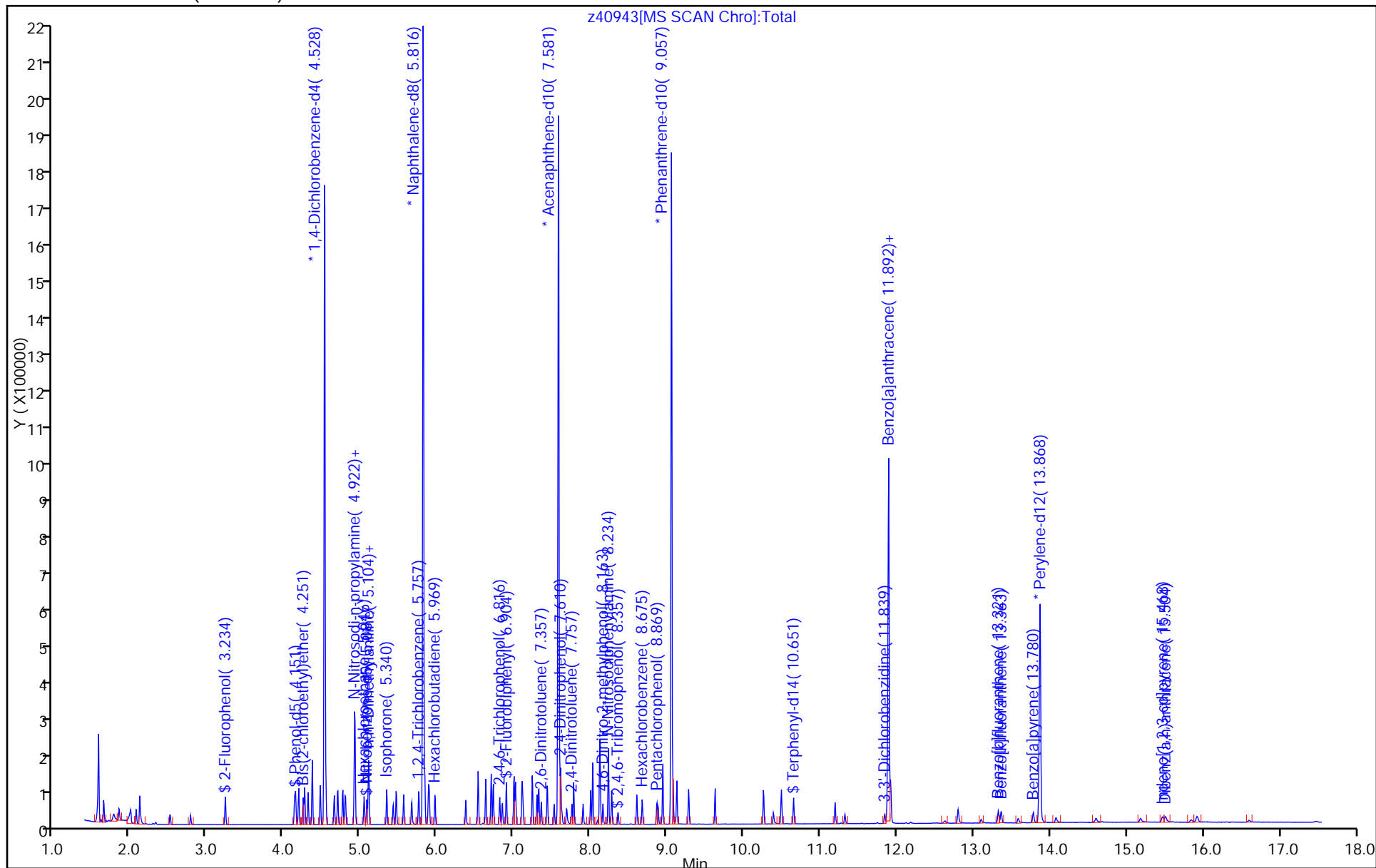
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40943.D

Injection Date: 23-Feb-2016 16:02:30

Instrument ID: CBNAMS11

Lims ID: std2

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

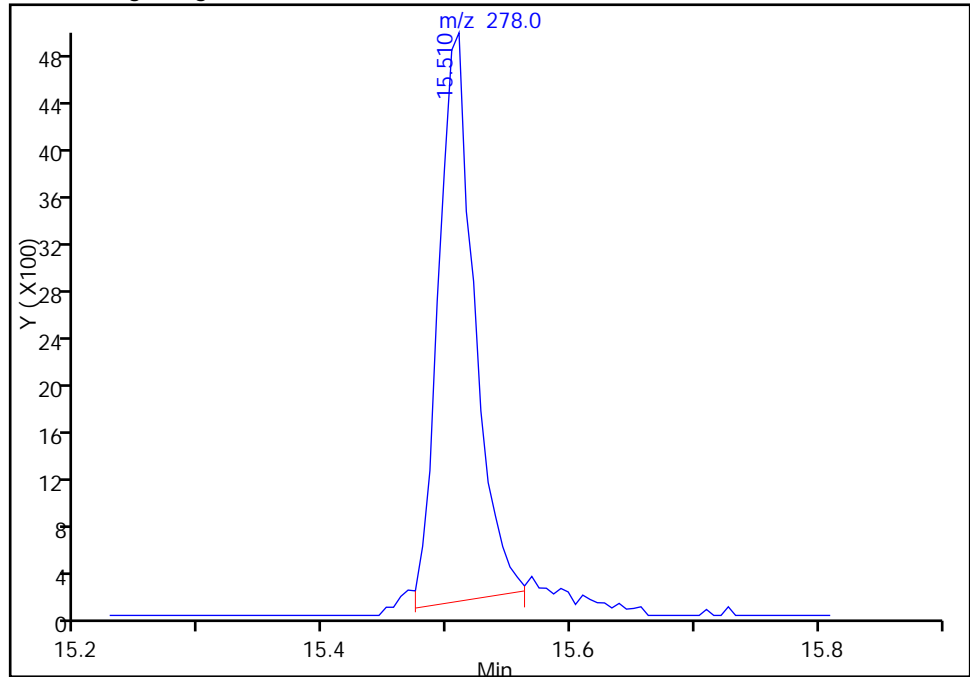
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

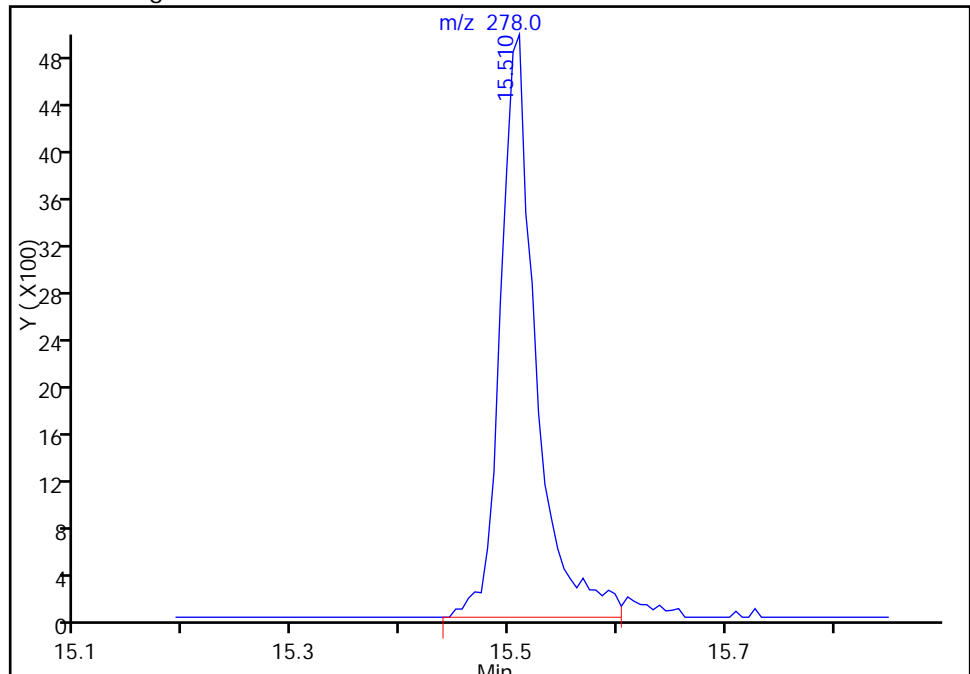
RT: 15.51
Area: 9833
Amount: 1.623658
Amount Units: ug/ml

Processing Integration Results



RT: 15.51
Area: 11323
Amount: 1.868758
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 23-Feb-2016 17:20:53

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40944.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 23-Feb-2016 16:25:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-009
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:36:46 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:36:46

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	3.234	3.234	0.000	93	8767	1.00	1.04	
\$ 6 Phenol-d5	99	4.140	4.157	-0.017	87	10152	1.00	1.02	
9 Bis(2-chloroethyl)ether	93	4.251	4.263	-0.012	93	9225	1.00	1.07	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.534	-0.006	97	234467	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.928	4.945	-0.017	94	5899	1.00	1.06	
25 Hexachloroethane	117	5.045	5.051	-0.006	93	3990	1.00	1.11	
\$ 26 Nitrobenzene-d5	82	5.081	5.093	-0.012	91	8102	1.00	1.00	
27 Nitrobenzene	77	5.104	5.116	-0.012	90	11601	1.00	1.08	
28 n,n'-Dimethylaniline	120	5.110	5.122	-0.012	94	11737	1.00	1.02	
37 1,2,4-Trichlorobenzene	180	5.757	5.763	-0.006	95	6807	1.00	1.06	
* 38 Naphthalene-d8	136	5.816	5.822	-0.006	99	812240	40.0	40.0	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	93	3628	1.00	1.07	
\$ 51 2-Fluorobiphenyl	172	6.904	6.910	-0.006	99	14423	1.00	1.07	
60 2,6-Dinitrotoluene	165	7.357	7.375	-0.018	92	2542	1.00	1.01	
* 65 Acenaphthene-d10	164	7.581	7.586	-0.006	98	334498	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.757	7.775	-0.018	94	2984	1.00	0.9793	
\$ 80 2,4,6-Tribromophenol	330	8.363	8.375	-0.012	93	1371	1.00	0.9550	
82 Hexachlorobenzene	284	8.675	8.686	-0.011	97	3056	1.00	1.01	
* 87 Phenanthrene-d10	188	9.057	9.063	-0.006	99	490390	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.651	10.663	-0.012	99	8120	1.00	1.02	
101 Benzo[a]anthracene	228	11.874	11.886	-0.012	99	8702	1.00	1.06	
* 102 Chrysene-d12	240	11.892	11.904	-0.012	99	267068	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.321	13.339	-0.018	98	5716	1.00	1.01	
107 Benzo[k]fluoranthene	252	13.362	13.380	-0.018	99	6230	1.00	1.03	
108 Benzo[a]pyrene	252	13.780	13.798	-0.018	96	5136	1.00	0.9874	
* 109 Perylene-d12	264	13.868	13.874	-0.006	97	188983	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.462	15.492	-0.030	97	3136	1.00	0.7932	
111 Dibenz(a,h)anthracene	278	15.504	15.527	-0.023	93	3936	1.00	0.9518	

Reagents:

SV_IC_BNA_L2_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40944.D

Injection Date: 23-Feb-2016 16:25:30

Instrument ID: CBNAMS11

Lims ID: std1

Client ID:

Operator ID:

Worklist Smp#: 9

Injection Vol: 1.0 ul

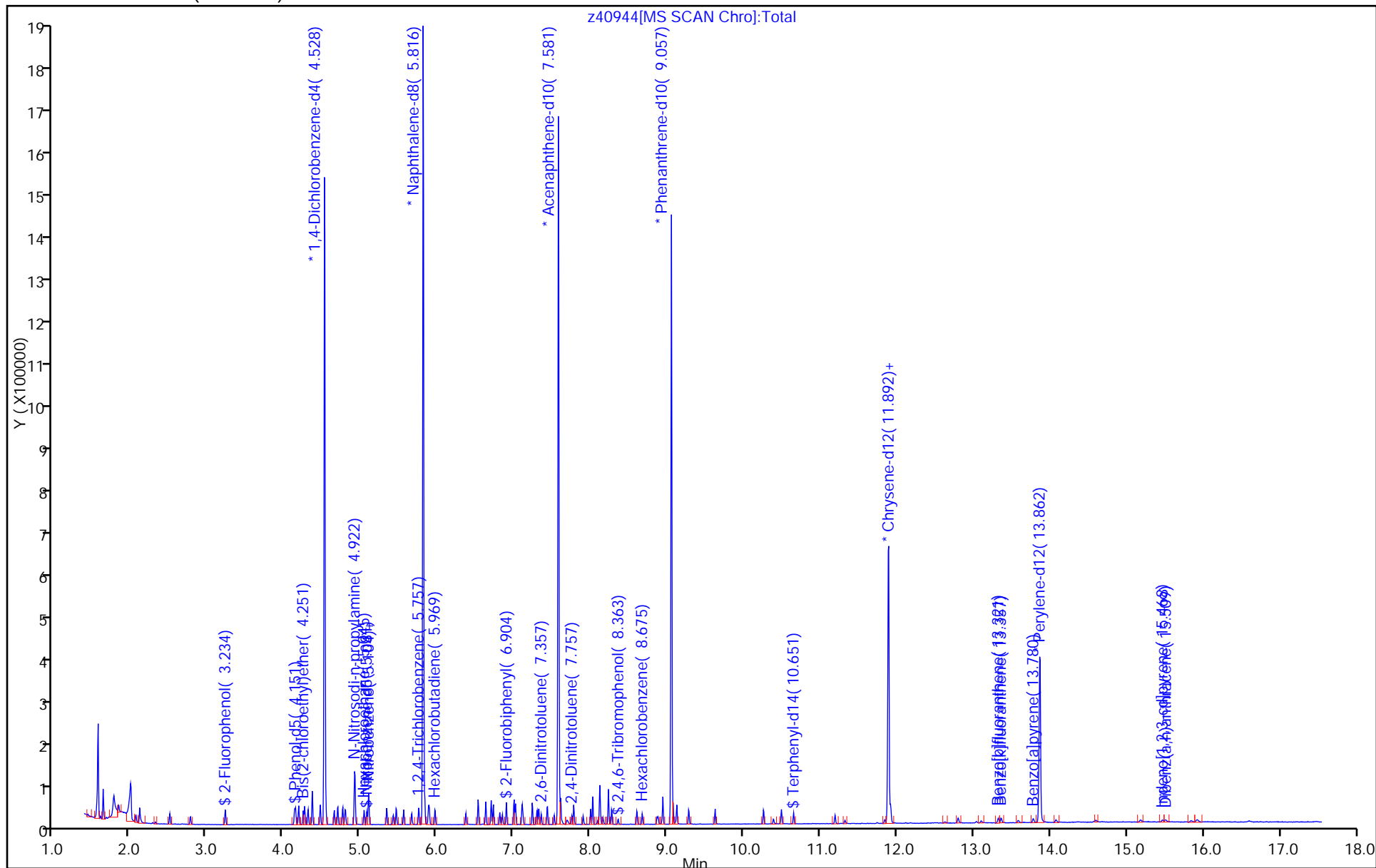
Dil. Factor: 1.0000

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\20160223-37612.b\z40945.D
 Lims ID: std05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 23-Feb-2016 16:51:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-010
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:41:12 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:41:12

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	4.251	4.263	-0.012	91	5329	0.5000	0.5581	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.534	-0.006	98	260442	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.928	4.945	-0.017	93	3499	0.5000	0.5636	
25 Hexachloroethane	117	5.045	5.051	-0.006	94	2106	0.5000	0.5260	
\$ 26 Nitrobenzene-d5	82	5.081	5.093	-0.012	91	4769	0.5000	0.5185	
27 Nitrobenzene	77	5.104	5.116	-0.012	90	6843	0.5000	0.5652	
28 n,n'-Dimethylaniline	120	5.104	5.122	-0.018	92	7056	0.5000	0.5514	
37 1,2,4-Trichlorobenzene	180	5.757	5.763	-0.006	94	4075	0.5000	0.5626	
* 38 Naphthalene-d8	136	5.816	5.822	-0.006	99	917886	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.904	6.910	-0.006	98	8553	0.5000	0.5446	
* 65 Acenaphthene-d10	164	7.581	7.586	-0.005	97	390258	40.0	40.0	
82 Hexachlorobenzene	284	8.681	8.686	-0.006	96	1962	0.5000	0.5365	
* 87 Phenanthrene-d10	188	9.057	9.063	-0.006	99	591353	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.651	10.663	-0.012	98	5479	0.5000	0.4959	
101 Benzo[a]anthracene	228	11.880	11.886	-0.006	98	7011	0.5000	0.6173	
* 102 Chrysene-d12	240	11.892	11.904	-0.012	99	368926	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.321	13.339	-0.018	98	3948	0.5000	0.5096	
107 Benzo[k]fluoranthene	252	13.363	13.380	-0.017	99	4870	0.5000	0.5890	
108 Benzo[a]pyrene	252	13.780	13.798	-0.018	95	3612	0.5000	0.5056	
* 109 Perylene-d12	264	13.868	13.874	-0.006	97	259561	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.462	15.492	-0.030	94	2287	0.5000	0.4212	
111 Dibenz(a,h)anthracene	278	15.509	15.527	-0.018	92	2502	0.5000	0.4405	

Reagents:

SV_IC_BNA_L1_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40945.D

Injection Date: 23-Feb-2016 16:51:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

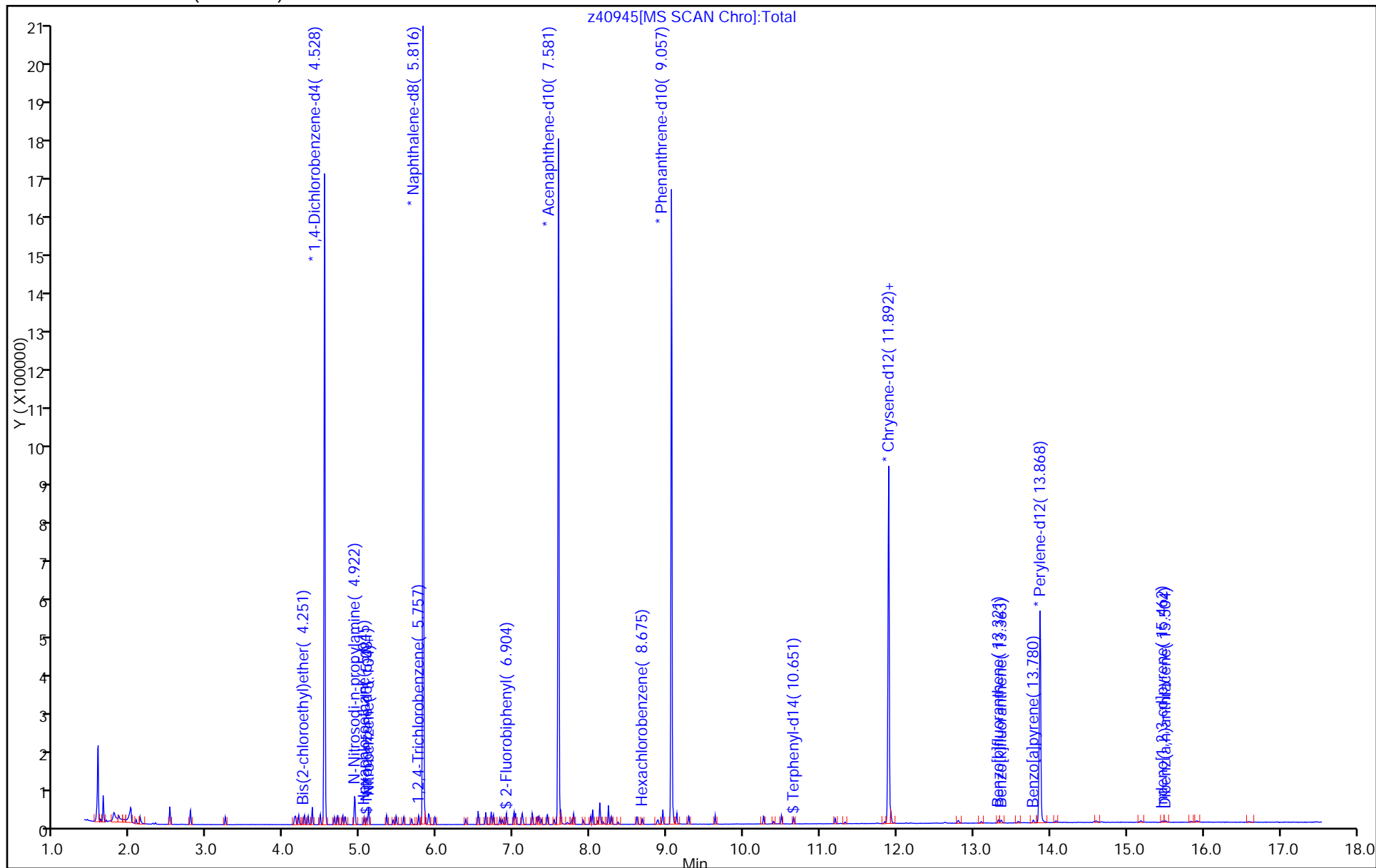
Dil. Factor: 1.0000

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.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 17:14 Calibration End Date: 02/23/2016 19:37 Calibration ID: 54554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-351930/17	z40952.D
Level 2	STD5 460-351930/16	z40951.D
Level 3	STD10 460-351930/15	z40950.D
Level 4	STD20 460-351930/14	z40949.D
Level 5	STD50 460-351930/11	z40946.D
Level 6	STD80 460-351930/13	z40948.D
Level 7	STD120 460-351930/12	z40947.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	1.1422	1.2290 1.1618	1.2183	1.2950	1.1977	Ave		1.2073			0.0100	4.5		20.0			
Caprolactam	0.0878	0.0779 0.1034	0.0946	0.0956	0.0982	Ave		0.0929			0.0100	9.6		20.0			
Atrazine	0.2080 0.1957	0.1997 0.2008	0.2112	0.2175	0.2078	Ave		0.2058			0.0100	3.7		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.: 460-109447-1 Analy Batch No.: 351930

SDG No.: _____

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

Calibration Start Date: 02/23/2016 17:14 Calibration End Date: 02/23/2016 19:37 Calibration ID: 54554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-351930/17	z40952.D
Level 2	STD5 460-351930/16	z40951.D
Level 3	STD10 460-351930/15	z40950.D
Level 4	STD20 460-351930/14	z40949.D
Level 5	STD50 460-351930/11	z40946.D
Level 6	STD80 460-351930/13	z40948.D
Level 7	STD120 460-351930/12	z40947.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	577251	35932 902109	75907	148839	355273	80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	151769	7822 278901	20893	37624	100795	80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	5308 195246	11428 371499	31708	50518	136830	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\20160223-37612.b\z40946.D
 Lims ID: std50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 23-Feb-2016 17:14:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-011
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:46:44 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczech

Date: 24-Feb-2016 10:46:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.093	4.093	0.000	94	355273	50.0	49.6	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	237294	40.0	40.0	
* 38 Naphthalene-d8	136	5.816	5.816	0.000	99	820874	40.0	40.0	
42 Caprolactam	113	6.228	6.228	0.000	87	100795	50.0	52.9	
* 65 Acenaphthene-d10	164	7.581	7.581	0.000	93	383506	40.0	40.0	
83 Atrazine	200	8.769	8.769	0.000	89	136830	50.0	50.5	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	526877	40.0	40.0	
* 102 Chrysene-d12	240	11.892	11.892	0.000	99	337866	40.0	40.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	97	221164	40.0	40.0	

Reagents:

SV_IC-S_L6_00015

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40946.D

Injection Date: 23-Feb-2016 17:14:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

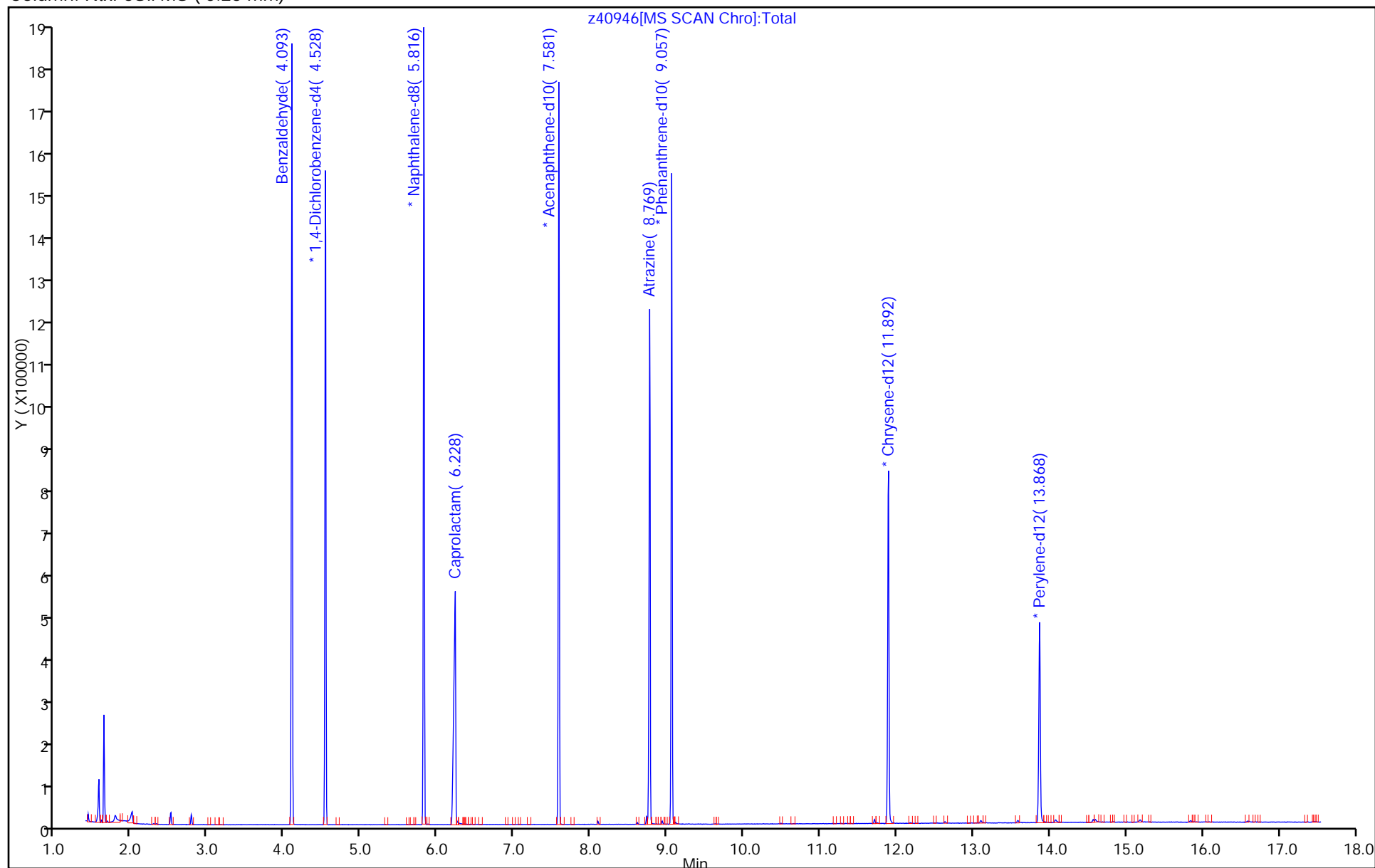
Dil. Factor: 1.0000

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\20160223-37612.b\z40947.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 23-Feb-2016 17:38:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-012
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:46:54 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:46:54

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	4.093	0.011	95	902109	120.0	115.5	
* 14 1,4-Dichlorobenzene-d4	152	4.534	4.528	0.006	98	258823	40.0	40.0	
* 38 Naphthalene-d8	136	5.816	5.816	0.000	99	899444	40.0	40.0	
42 Caprolactam	113	6.257	6.228	0.029	86	278901	120.0	133.5	
* 65 Acenaphthene-d10	164	7.580	7.581	-0.001	97	386694	40.0	40.0	
83 Atrazine	200	8.780	8.769	0.011	89	371499	120.0	117.1	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	616764	40.0	40.0	
* 102 Chrysene-d12	240	11.892	11.892	0.000	98	393843	40.0	40.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	96	261843	40.0	40.0	

Reagents:

SV_IC-S_L8_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40947.D

Injection Date: 23-Feb-2016 17:38:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

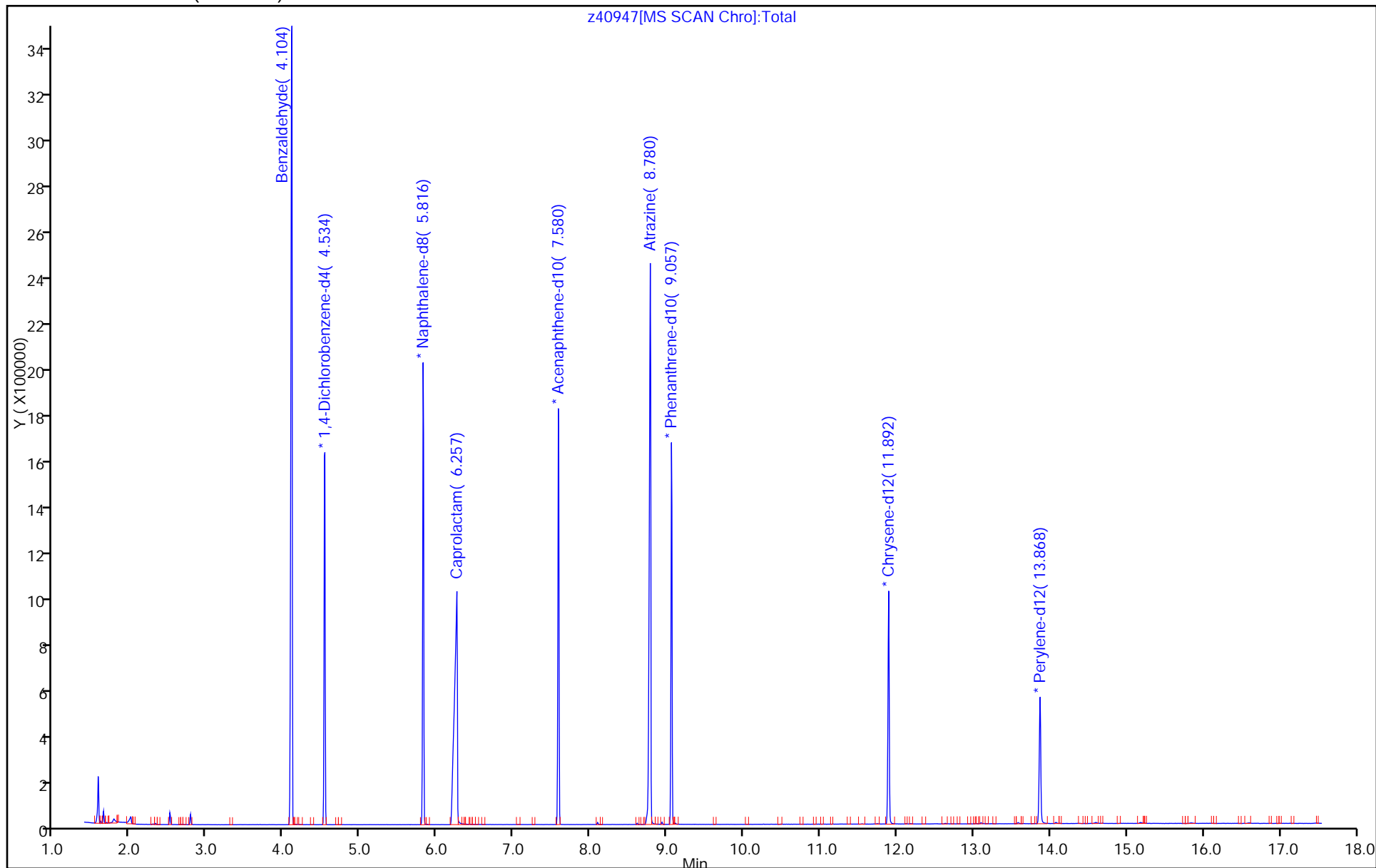
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40948.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 23-Feb-2016 18:01:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-013
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:47:07 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczech

Date: 24-Feb-2016 10:47:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.098	4.093	0.005	94	577251	80.0	75.7	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	252703	40.0	40.0	
* 38 Naphthalene-d8	136	5.816	5.816	0.000	99	864499	40.0	40.0	
42 Caprolactam	113	6.239	6.228	0.011	86	151769	80.0	75.6	
* 65 Acenaphthene-d10	164	7.581	7.581	0.000	98	346877	40.0	40.0	
83 Atrazine	200	8.775	8.769	0.006	89	195246	80.0	76.1	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	498890	40.0	40.0	
* 102 Chrysene-d12	240	11.886	11.892	-0.006	98	299864	40.0	40.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	97	210941	40.0	40.0	

Reagents:

SV_IC-S_L7_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40948.D

Injection Date: 23-Feb-2016 18:01:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std80

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

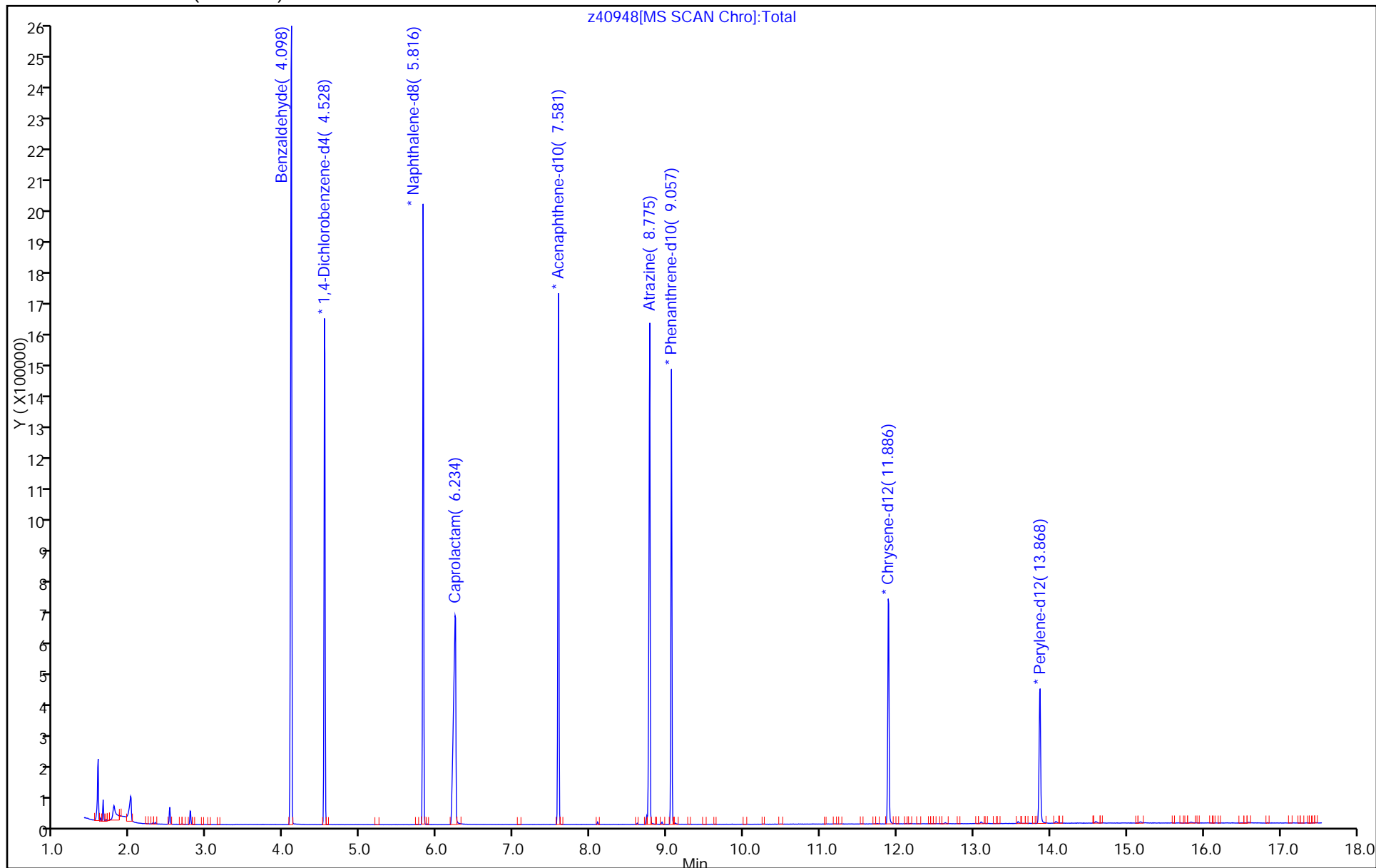
Dil. Factor: 1.0000

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\20160223-37612.b\z40949.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 23-Feb-2016 18:25:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-014
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:47:17 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczech

Date: 24-Feb-2016 10:47:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.093	-0.006	94	148839	20.0	21.5	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	98	229859	40.0	40.0	
* 38 Naphthalene-d8	136	5.816	5.816	0.000	99	786720	40.0	40.0	
42 Caprolactam	113	6.210	6.228	-0.018	87	37624	20.0	20.6	
* 65 Acenaphthene-d10	164	7.581	7.581	-0.001	97	319915	40.0	40.0	
83 Atrazine	200	8.763	8.769	-0.006	88	50518	20.0	21.1	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	464496	40.0	40.0	
* 102 Chrysene-d12	240	11.892	11.892	0.000	98	305211	40.0	40.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	97	238500	40.0	40.0	

Reagents:

SV_IC-S_L5_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40949.D

Injection Date: 23-Feb-2016 18:25:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std20

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

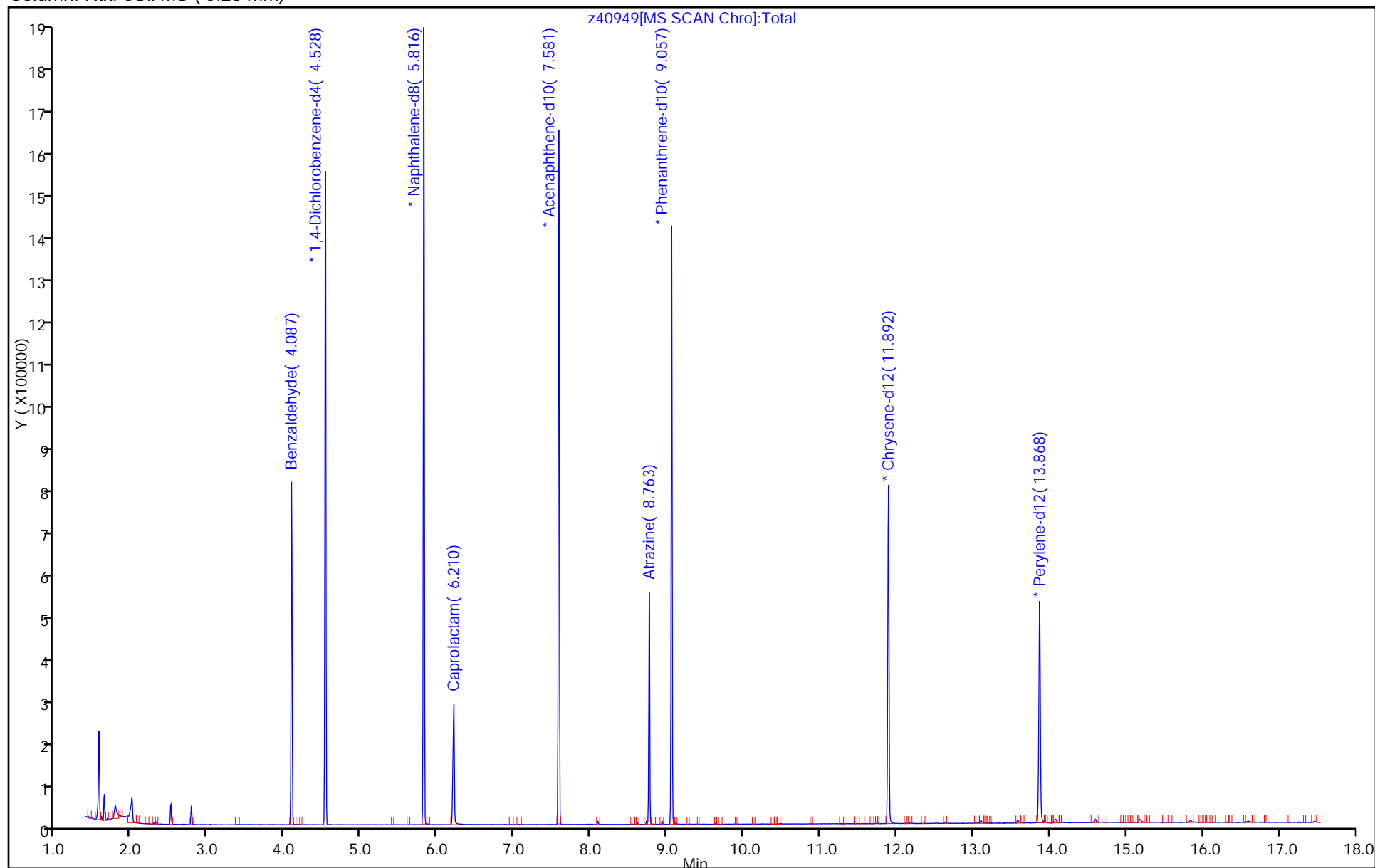
Dil. Factor: 1.0000

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\20160223-37612.b\z40950.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 23-Feb-2016 18:48:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-015
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:47:28 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczech

Date: 24-Feb-2016 10:47:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.093	-0.006	93	75907	10.0	10.1	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	249218	40.0	40.0	
* 38 Naphthalene-d8	136	5.816	5.816	0.000	99	883676	40.0	40.0	
42 Caprolactam	113	6.204	6.228	-0.024	87	20893	10.0	10.2	
* 65 Acenaphthene-d10	164	7.581	7.581	0.000	98	380098	40.0	40.0	
83 Atrazine	200	8.763	8.769	-0.006	89	31708	10.0	10.3	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	600601	40.0	40.0	
* 102 Chrysene-d12	240	11.892	11.892	0.000	99	361667	40.0	40.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	97	262359	40.0	40.0	

Reagents:

SV_IC-S_L4_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40950.D

Injection Date: 23-Feb-2016 18:48:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std10

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

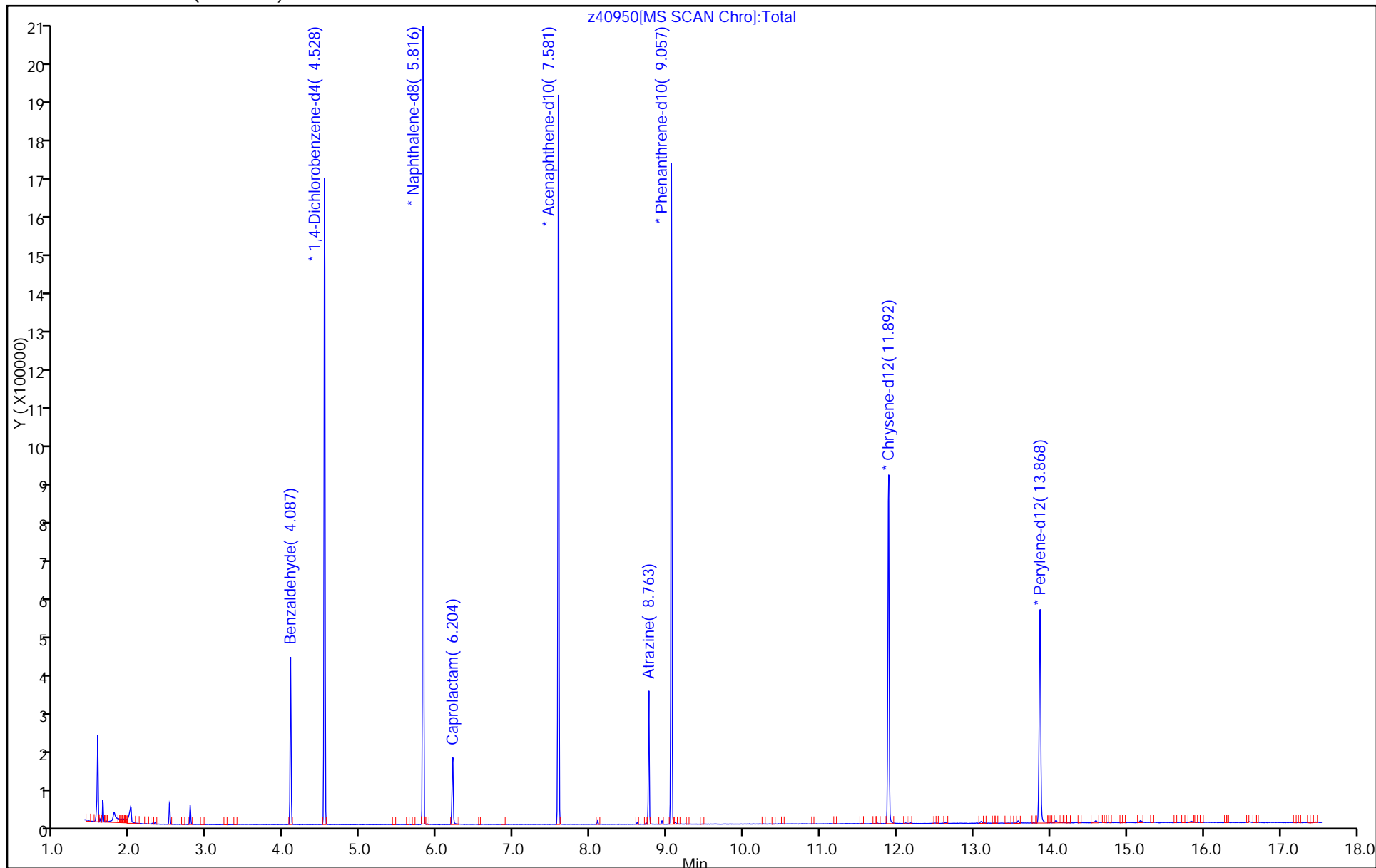
Dil. Factor: 1.0000

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\20160223-37612.b\z40951.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 23-Feb-2016 19:13:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-016
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:47:40 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczech

Date: 24-Feb-2016 10:47:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.093	-0.006	93	35932	5.00	5.09	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	98	233903	40.0	40.0	
* 38 Naphthalene-d8	136	5.816	5.816	0.000	99	803569	40.0	40.0	
42 Caprolactam	113	6.198	6.228	-0.030	87	7822	5.00	4.19	
* 65 Acenaphthene-d10	164	7.581	7.581	0.000	97	319668	40.0	40.0	
83 Atrazine	200	8.763	8.769	-0.006	88	11428	5.00	4.85	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	457809	40.0	40.0	
* 102 Chrysene-d12	240	11.892	11.892	0.000	98	308308	40.0	40.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	97	256523	40.0	40.0	

Reagents:

SV_IC-S_L3_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40951.D

Injection Date: 23-Feb-2016 19:13:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

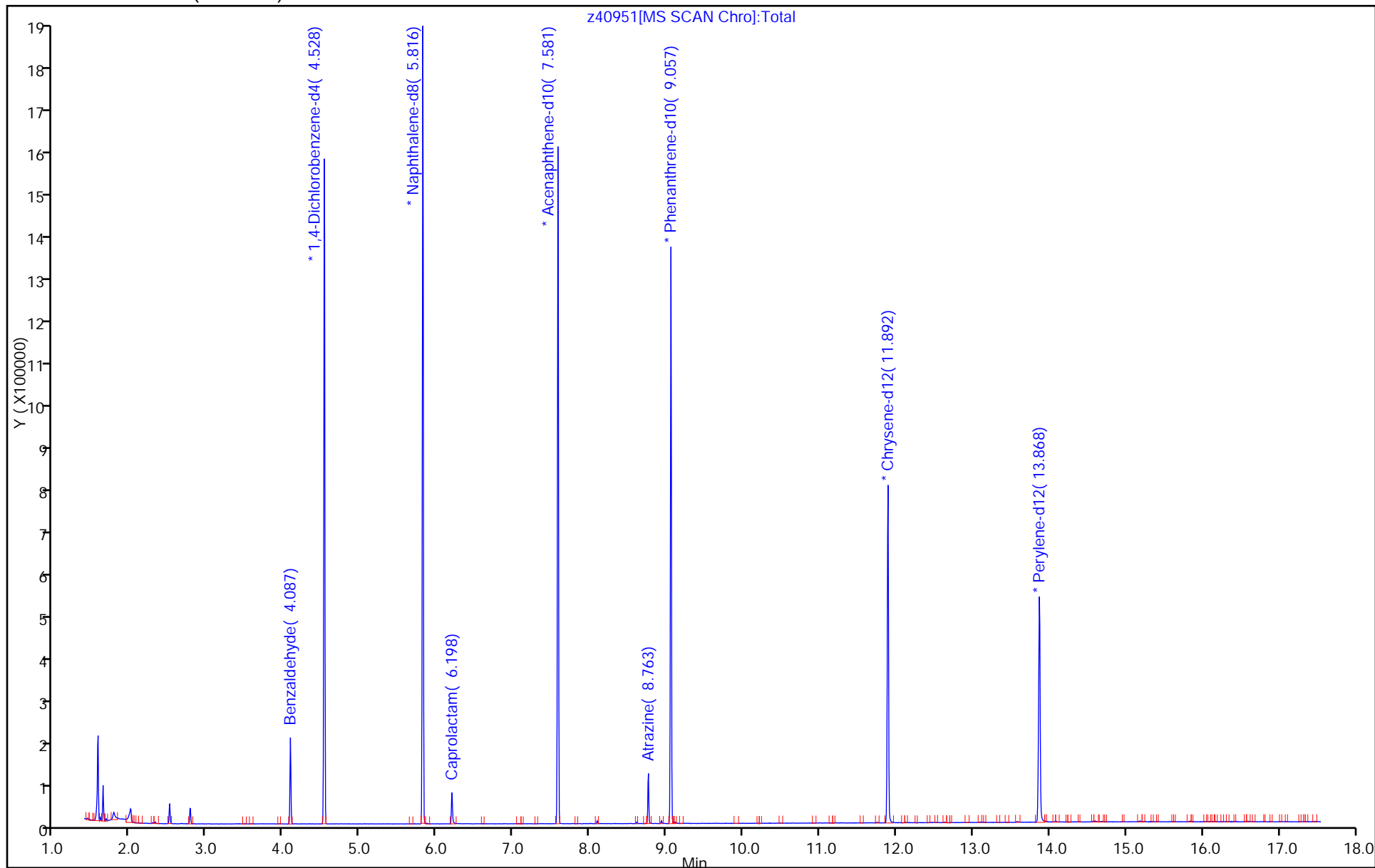
Dil. Factor: 1.0000

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\20160223-37612.b\z40952.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 23-Feb-2016 19:37:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-017
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:47:53 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:47:53

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	4.534	4.528	0.006	98	229047	40.0	40.0	
* 38 Naphthalene-d8	136	5.816	5.816	0.000	99	799893	40.0	40.0	
* 65 Acenaphthene-d10	164	7.581	7.581	0.000	98	334931	40.0	40.0	
83 Atrazine	200	8.763	8.769	-0.006	88	5308	2.00	2.02	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	510500	40.0	40.0	
* 102 Chrysene-d12	240	11.892	11.892	0.000	99	315734	40.0	40.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	97	228632	40.0	40.0	

Reagents:

SV_IC-S_L2_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40952.D

Injection Date: 23-Feb-2016 19:37:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: std2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

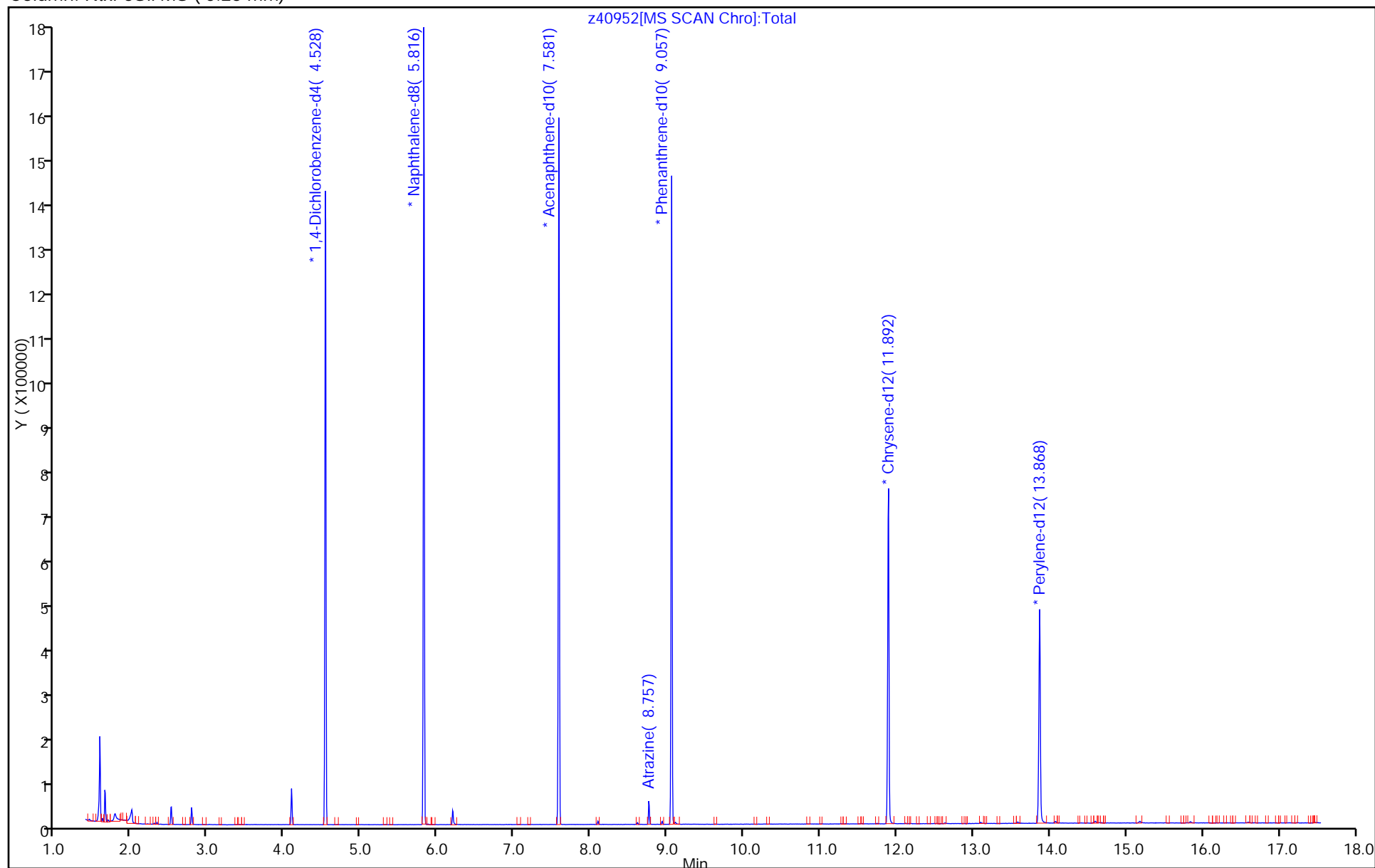
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Lab Sample ID: ICV 460-351930/18 Calibration Date: 02/23/2016 20:03

Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51

Lab File ID: z40953.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6148	0.6694	0.0100	27200	25000	8.9	30.0
N-Nitrosodimethylamine	Ave	0.9064	0.8469		23400	25000	-6.6	30.0
Pyridine	Ave	1.565	1.708		27300	25000	9.1	30.0
Phenol	Ave	1.700	1.761	0.8000	25900	25000	3.5	30.0
Aniline	Ave	2.122	2.184		25700	25000	2.9	30.0
Bis(2-chloroethyl)ether	Ave	1.466	1.447	0.7000	24700	25000	-1.4	30.0
2-Chlorophenol	Ave	1.407	1.488	0.8000	26400	25000	5.8	30.0
n-Decane	Ave	2.143	2.303	0.0100	26900	25000	7.5	30.0
1,3-Dichlorobenzene	Ave	1.545	1.654		26800	25000	7.0	30.0
1,4-Dichlorobenzene	Ave	1.538	1.654		26900	25000	7.5	30.0
Benzyl alcohol	Ave	0.8266	0.8696	0.0100	26300	25000	5.2	30.0
1,2-Dichlorobenzene	Ave	1.446	1.547		26800	25000	7.0	30.0
2-Methylphenol	Ave	1.203	1.310	0.7000	27200	25000	8.9	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.550	2.637	0.0100	25800	25000	3.4	30.0
3 & 4 Methylphenol	Ave	1.258	1.293		25700	25000	2.8	30.0
4-Methylphenol	Ave	1.258	1.293	0.6000	25700	25000	2.8	30.0
Acetophenone	Ave	1.582	1.654	0.0100	26100	25000	4.5	30.0
N-Nitrosodi-n-propylamine	Ave	0.9535	0.9190	0.5000	24100	25000	-3.6	30.0
Hexachloroethane	Ave	0.6149	0.6391	0.3000	26000	25000	3.9	30.0
n,n'-Dimethylaniline	Ave	1.965	1.942	0.0100	24700	25000	-1.2	30.0
Nitrobenzene	Ave	0.5276	0.5283	0.2000	25000	25000	0.1	30.0
Isophorone	Ave	0.6483	0.6782	0.4000	26200	25000	4.6	30.0
2-Nitrophenol	Ave	0.1942	0.2020	0.1000	26000	25000	4.0	30.0
2,4-Dimethylphenol	Ave	0.3140	0.3239	0.2000	25800	25000	3.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.4109	0.4343	0.3000	26400	25000	5.7	30.0
Benzoic acid	Lin		0.1909		26800	25000	7.0	30.0
2,4-Dichlorophenol	Ave	0.2762	0.2917	0.2000	26400	25000	5.6	30.0
1,2,4-Trichlorobenzene	Ave	0.3156	0.3258		25800	25000	3.2	30.0
Naphthalene	Ave	1.024	1.109	0.7000	27100	25000	8.3	30.0
4-Chloroaniline	Ave	0.4112	0.4360	0.0100	26500	25000	6.0	30.0
Hexachlorobutadiene	Ave	0.1662	0.1756	0.0100	26400	25000	5.6	30.0
4-Chloro-3-methylphenol	Ave	0.2569	0.2716		26400	25000	5.7	30.0
2-Methylnaphthalene	Ave	0.6570	0.6833	0.4000	26000	25000	4.0	30.0
1-Methylnaphthalene	Ave	0.5709	0.6342	0.0100	27800	25000	11.1	30.0
Hexachlorocyclopentadiene	Lin2		0.3290	0.0500	21700	25000	-13.4	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5924	0.5986	0.0100	25300	25000	1.1	30.0
2-tertbutyl-4-methylphenol	Ave	0.4116	0.4346	0.0100	26400	25000	5.6	30.0
2,4,6-Trichlorophenol	Ave	0.3973	0.3907	0.2000	24600	25000	-1.7	30.0
2,4,5-Trichlorophenol	Ave	0.3935	0.3925	0.2000	24900	25000	-0.2	30.0
1,1'-Biphenyl	Ave	1.699	1.725	0.0100	25400	25000	1.6	30.0
2-Chloronaphthalene	Ave	1.268	1.292	0.8000	25500	25000	1.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Lab Sample ID: ICV 460-351930/18 Calibration Date: 02/23/2016 20:03

Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51

Lab File ID: z40953.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8741	0.8916	0.0100	25500	25000	2.0	30.0
2-Nitroaniline	Ave	0.5057	0.4998	0.0100	24700	25000	-1.2	30.0
1,3-Dimethylnaphthalene	Ave	1.076	1.099	0.0100	25500	25000	2.1	30.0
Dimethyl phthalate	Ave	1.239	1.245	0.0100	25100	25000	0.5	30.0
Coumarin	Ave	0.1781	0.1902	0.0100	26700	25000	6.8	30.0
2,6-Dinitrotoluene	Ave	0.3003	0.3022	0.2000	25200	25000	0.6	30.0
Acenaphthylene	Ave	1.937	1.916	0.9000	24700	25000	-1.1	30.0
3-Nitroaniline	Ave	0.3333	0.3315	0.0100	24900	25000	-0.5	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.075	0.0100	24500	25000	-2.2	30.0
Acenaphthene	Ave	1.238	1.293	0.9000	26100	25000	4.4	30.0
2,4-Dinitrophenol	Qua		0.1514	0.0100	47800	50000	-4.4	30.0
4-Nitrophenol	Ave	0.2263	0.2299	0.0100	50800	50000	1.6	30.0
2,4-Dinitrotoluene	Ave	0.3644	0.3598	0.2000	24700	25000	-1.3	30.0
Dibenzofuran	Ave	1.668	1.679	0.8000	25200	25000	0.7	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2826	0.2839	0.0100	25100	25000	0.4	30.0
Diethyl phthalate	Ave	1.141	1.184	0.0100	25900	25000	3.7	30.0
4-Chlorophenyl phenyl ether	Ave	0.5687	0.5793	0.4000	25500	25000	1.9	30.0
Fluorene	Ave	1.281	1.291	0.9000	25200	25000	0.8	30.0
4-Nitroaniline	Ave	0.3011	0.3050	0.0100	25300	25000	1.3	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1280	0.1445	0.0100	56400	50000	12.9	30.0
N-Nitrosodiphenylamine	Ave	0.6498	0.8058	0.0100	52700	42500	24.0	30.0
1,2-Diphenylhydrazine	Ave	0.9470	1.058	0.0100	27900	25000	11.7	30.0
4-Bromophenyl phenyl ether	Ave	0.2310	0.2493	0.1000	27000	25000	7.9	30.0
Hexachlorobenzene	Ave	0.2474	0.2632	0.1000	26600	25000	6.4	30.0
Pentachlorophenol	Ave	0.1280	0.1500	0.0500	58600	50000	17.2	30.0
Pentachloronitrobenzene	Ave	0.0846	0.0943	0.0100	27900	25000	11.5	30.0
n-Octadecane	Ave	0.9540	1.007	0.0100	26400	25000	5.6	30.0
Phenanthrene	Ave	1.136	1.220	0.7000	26900	25000	7.4	30.0
Anthracene	Ave	1.150	1.256	0.7000	27300	25000	9.2	30.0
Carbazole	Ave	0.9772	1.044	0.0100	26700	25000	6.8	30.0
Di-n-butyl phthalate	Ave	1.145	1.262	0.0100	27600	25000	10.2	30.0
Fluoranthene	Ave	0.9392	1.023	0.6000	27200	25000	8.9	30.0
Benidine	Ave	0.4999	0.5020		25100	25000	0.4	30.0
Pyrene	Ave	1.751	1.779	0.6000	25400	25000	1.6	30.0
Bisphenol-A	Qua		0.4113		22900	25000	-8.6	30.0
Butyl benzyl phthalate	Ave	0.6805	0.7166	0.0100	26300	25000	5.3	30.0
Carbamazepine	Ave	0.4489	0.4791	0.0100	26700	25000	6.7	30.0
3,3'-Dichlorobenzidine	Ave	0.4050	0.4389	0.0100	27100	25000	8.4	30.0
Benzo[a]anthracene	Ave	1.231	1.265	0.8000	25700	25000	2.7	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.9191	0.9552	0.0100	26000	25000	3.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109447-1
 SDG No.: _____
 Lab Sample ID: ICV 460-351930/18 Calibration Date: 02/23/2016 20:03
 Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51
 Lab File ID: z40953.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.059	1.191	0.7000	28100	25000	12.5	30.0
Di-n-octyl phthalate	Ave	1.730	1.829	0.0100	26400	25000	5.7	30.0
Benzo[b]fluoranthene	Ave	1.194	1.299	0.7000	27200	25000	8.8	30.0
Benzo[k]fluoranthene	Ave	1.274	1.367	0.7000	26800	25000	7.3	30.0
Benzo[a]pyrene	Ave	1.101	1.191	0.7000	27000	25000	8.2	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.8368	0.9372	0.5000	28000	25000	12.0	30.0
Dibenz(a,h)anthracene	Ave	0.8753	0.9861	0.4000	28200	25000	12.7	30.0
Benzo[g,h,i]perylene	Ave	0.8962	0.9766	0.5000	27200	25000	9.0	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40953.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 23-Feb-2016 20:03:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-018
 Operator ID: Instrument ID: CBNAMS11
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:49:22 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:49:22

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	1.840	1.828	0.012	91	81056	25.0	27.2	
2 N-Nitrosodimethylamine	74	2.063	2.063	0.000	85	102554	25.0	23.4	
3 Pyridine	79	2.099	2.099	0.000	78	206822	25.0	27.3	
7 Phenol	94	4.163	4.175	-0.012	98	213195	25.0	25.9	
8 Aniline	93	4.199	4.204	-0.005	99	264479	25.0	25.7	
9 Bis(2-chloroethyl)ether	93	4.257	4.263	-0.006	92	175179	25.0	24.7	
10 Benzonitrile	103	4.281	4.293	-0.012	0	318143	NC	NC	
11 2-Chlorophenol	128	4.322	4.328	-0.006	92	180249	25.0	26.4	
12 n-Decane	43	4.375	4.375	0.000	89	278893	25.0	26.9	
13 1,3-Dichlorobenzene	146	4.475	4.481	-0.006	94	200314	25.0	26.8	
* 14 1,4-Dichlorobenzene-d4	152	4.534	4.528	0.006	97	193754	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.551	4.551	0.000	94	200301	25.0	26.9	
16 Benzyl alcohol	108	4.663	4.669	-0.006	93	105305	25.0	26.3	
17 1,2-Dichlorobenzene	146	4.704	4.704	0.000	95	187342	25.0	26.8	
18 2-Methylphenol	108	4.775	4.781	-0.006	90	158654	25.0	27.2	
19 2,2'-oxybis[1-chloropropan	45	4.804	4.810	-0.006	94	319287	25.0	25.8	
20 N-Methylaniline	106	4.928	4.928	0.000	0	234749	NC	NC	
21 N-Nitrosodi-n-propylamine	70	4.940	4.945	-0.005	92	111292	25.0	24.1	
22 Acetophenone	105	4.940	4.945	-0.005	92	200268	25.0	26.1	
24 4-Methylphenol	108	4.934	4.945	-0.011	85	156591	25.0	25.7	
23 3 & 4 Methylphenol	108	4.934	4.945	-0.011	87	156591	25.0	25.7	
25 Hexachloroethane	117	5.046	5.051	-0.005	95	77394	25.0	26.0	
27 Nitrobenzene	77	5.110	5.116	-0.006	89	220246	25.0	25.0	
28 n,n'-Dimethylaniline	120	5.110	5.122	-0.012	92	235180	25.0	24.7	
31 Isophorone	82	5.351	5.363	-0.012	98	282749	25.0	26.2	
32 2-Nitrophenol	139	5.428	5.434	-0.006	89	84191	25.0	26.0	
33 2,4-Dimethylphenol	122	5.469	5.475	-0.006	92	135015	25.0	25.8	
34 Bis(2-chloroethoxy)methane	93	5.569	5.575	-0.006	95	181066	25.0	26.4	
35 Benzoic acid	122	5.587	5.616	-0.029	91	79602	25.0	26.8	
36 2,4-Dichlorophenol	162	5.675	5.681	-0.006	94	121592	25.0	26.4	
37 1,2,4-Trichlorobenzene	180	5.763	5.763	0.000	95	135834	25.0	25.8	

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	5.822	5.816	0.006	99	667027	40.0	40.0	
39 Naphthalene	128	5.840	5.845	-0.005	99	462357	25.0	27.1	
40 4-Chloroaniline	127	5.893	5.898	-0.005	96	181770	25.0	26.5	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	95	73220	25.0	26.4	
43 4-Chloro-3-methylphenol	107	6.375	6.381	-0.006	98	113232	25.0	26.4	
44 2-Methylnaphthalene	142	6.540	6.539	0.001	86	284840	25.0	26.0	
45 1-Methylnaphthalene	142	6.640	6.639	0.001	95	264386	25.0	27.8	
46 Hexachlorocyclopentadiene	237	6.704	6.710	-0.006	95	61992	25.0	21.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.710	6.716	-0.006	95	112803	25.0	25.3	
48 2-tertbutyl-4-methylphenol	149	6.734	6.739	-0.005	92	181197	25.0	26.4	
49 2,4,6-Trichlorophenol	196	6.822	6.828	-0.006	89	73625	25.0	24.6	
50 2,4,5-Trichlorophenol	196	6.851	6.857	-0.006	95	73968	25.0	24.9	
52 1,1'-Biphenyl	154	7.004	7.010	-0.006	95	325079	25.0	25.4	
53 2-Chloronaphthalene	162	7.028	7.034	-0.006	97	243426	25.0	25.5	
54 Phenyl ether	170	7.110	7.116	-0.006	89	168017	25.0	25.5	
55 2-Nitroaniline	65	7.128	7.134	-0.006	98	94193	25.0	24.7	
57 1,3-Dimethylnaphthalene	156	7.245	7.251	-0.006	93	207049	25.0	25.5	
58 Dimethyl phthalate	163	7.310	7.322	-0.012	98	234645	25.0	25.1	
59 Coumarin	146	7.334	7.339	-0.005	75	79297	25.0	26.7	
60 2,6-Dinitrotoluene	165	7.369	7.375	-0.006	95	56943	25.0	25.2	
63 Acenaphthylene	152	7.440	7.445	-0.005	97	360993	25.0	24.7	
64 3-Nitroaniline	138	7.534	7.545	-0.011	91	62470	25.0	24.9	
* 65 Acenaphthene-d10	164	7.587	7.581	0.006	93	301514	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.604	7.610	-0.006	98	202565	25.0	24.5	
67 Acenaphthene	154	7.616	7.622	-0.006	94	243735	25.0	26.1	
68 2,4-Dinitrophenol	184	7.634	7.645	-0.011	95	57050	50.0	47.8	
69 4-Nitrophenol	65	7.698	7.710	-0.012	94	86664	50.0	50.8	
70 2,4-Dinitrotoluene	165	7.769	7.775	-0.006	95	67801	25.0	24.7	
71 Dibenzofuran	168	7.787	7.792	-0.005	98	316422	25.0	25.2	
72 2,3,4,6-Tetrachlorophenol	232	7.910	7.916	-0.006	93	53493	25.0	25.1	
73 Diethyl phthalate	149	8.016	8.022	-0.006	98	223106	25.0	25.9	
75 4-Chlorophenyl phenyl ethe	204	8.122	8.128	-0.006	85	109160	25.0	25.5	
74 Fluorene	166	8.128	8.133	-0.005	96	243376	25.0	25.2	
76 4-Nitroaniline	138	8.145	8.157	-0.012	93	57475	25.0	25.3	
77 4,6-Dinitro-2-methylphenol	198	8.175	8.186	-0.011	81	71651	50.0	56.4	
78 N-Nitrosodiphenylamine	169	8.245	8.251	-0.006	66	339675	42.5	52.7	
79 1,2-Diphenylhydrazine	77	8.281	8.292	-0.011	99	262237	25.0	27.9	
81 4-Bromophenyl phenyl ether	248	8.610	8.616	-0.006	86	61814	25.0	27.0	
82 Hexachlorobenzene	284	8.681	8.686	-0.005	99	65260	25.0	26.6	
84 Pentachlorophenol	266	8.869	8.881	-0.011	94	74398	50.0	58.6	
85 Pentachloronitrobenzene	237	8.886	8.898	-0.012	87	23391	25.0	27.9	
86 n-Octadecane	57	8.945	8.957	-0.012	88	249710	25.0	26.4	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	396746	40.0	40.0	
88 Phenanthrene	178	9.081	9.092	-0.011	98	302625	25.0	26.9	
89 Anthracene	178	9.134	9.139	-0.005	98	311456	25.0	27.3	
90 Carbazole	167	9.286	9.292	-0.006	96	258804	25.0	26.7	
91 Di-n-butyl phthalate	149	9.628	9.639	-0.011	100	312999	25.0	27.6	
92 Fluoranthene	202	10.263	10.275	-0.012	97	253610	25.0	27.2	
93 Benzidine	184	10.392	10.398	-0.006	100	124469	25.0	25.1	
94 Pyrene	202	10.498	10.504	-0.006	97	251243	25.0	25.4	
95 Bisphenol-A	213	10.533	10.545	-0.012	99	58090	25.0	22.9	
97 Butyl benzyl phthalate	149	11.198	11.210	-0.012	98	101214	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	11.327	11.339	-0.012	92	67673	25.0	26.7	
100 3,3'-Dichlorobenzidine	252	11.845	11.857	-0.012	99	61996	25.0	27.1	
101 Benzo[a]anthracene	228	11.880	11.886	-0.006	99	178655	25.0	25.7	
* 102 Chrysene-d12	240	11.892	11.892	0.000	99	225985	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.916	11.927	-0.011	91	134914	25.0	26.0	
103 Chrysene	228	11.927	11.933	-0.006	99	168242	25.0	28.1	
105 Di-n-octyl phthalate	149	12.804	12.810	-0.006	97	206678	25.0	26.4	
106 Benzo[b]fluoranthene	252	13.327	13.339	-0.012	99	146763	25.0	27.2	
107 Benzo[k]fluoranthene	252	13.369	13.380	-0.011	99	154483	25.0	26.8	
108 Benzo[a]pyrene	252	13.786	13.798	-0.012	96	134559	25.0	27.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	97	180804	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.480	15.492	-0.012	99	105902	25.0	28.0	
111 Dibenz(a,h)anthracene	278	15.515	15.527	-0.012	95	111433	25.0	28.2	
112 Benzo[g,h,i]perylene	276	15.933	15.945	-0.012	96	110355	25.0	27.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

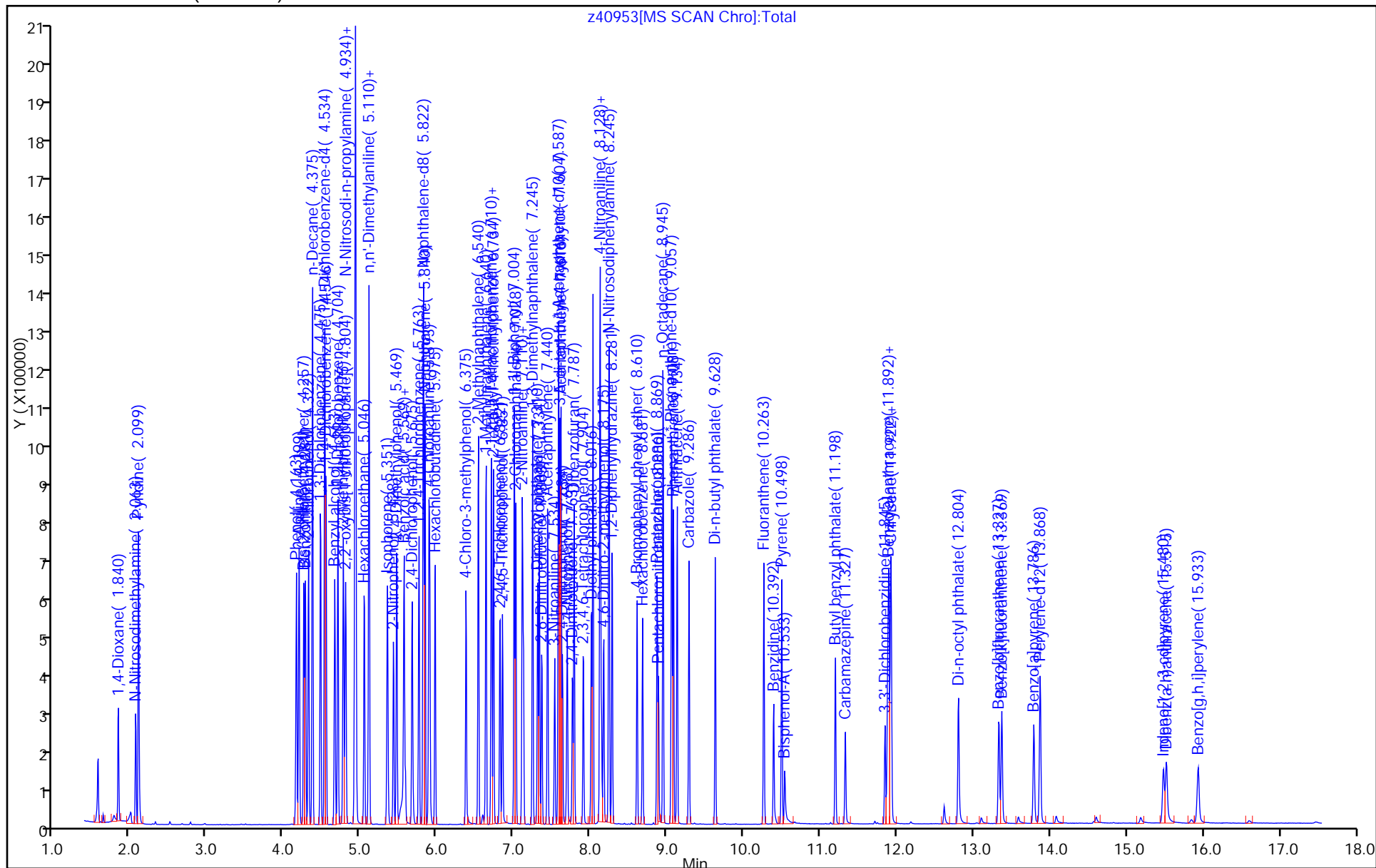
SM_ICV-long_00009

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40953.D		
Injection Date:	23-Feb-2016 20:03:30	Instrument ID:	CBNAMS11
Lims ID:	icv		
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#: 18



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109447-1
SDG No.: _____
Lab Sample ID: ICV 460-351930/19 Calibration Date: 02/23/2016 20:26
Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 17:14
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 19:37
Lab File ID: z40954.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.207	1.515	0.0100	31400	25000	25.5	30.0
Caprolactam	Ave	0.0929	0.1270	0.0100	34200	25000	36.7*	30.0
Atrazine	Ave	0.2058	0.2581	0.0100	31400	25000	25.4	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40954.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 23-Feb-2016 20:26:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-019
 Operator ID: Instrument ID: CBNAMS11
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:49:22 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczech

Date: 24-Feb-2016 10:49:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.093	4.093	0.000	94	208457	25.0	31.4	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	98	220198	40.0	40.0	
* 38 Naphthalene-d8	136	5.816	5.816	0.000	99	766343	40.0	40.0	
42 Caprolactam	113	6.222	6.228	-0.006	87	60840	25.0	34.2	
* 65 Acenaphthene-d10	164	7.581	7.581	0.000	93	364702	40.0	40.0	
83 Atrazine	200	8.769	8.769	0.000	88	84726	25.0	31.4	
* 87 Phenanthrene-d10	188	9.057	9.057	0.000	99	525208	40.0	40.0	
* 102 Chrysene-d12	240	11.892	11.892	0.000	99	313044	40.0	40.0	
* 109 Perylene-d12	264	13.868	13.868	0.000	97	210793	40.0	40.0	

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160223-37612.b\\z40954.D

Injection Date: 23-Feb-2016 20:26:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: icv

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

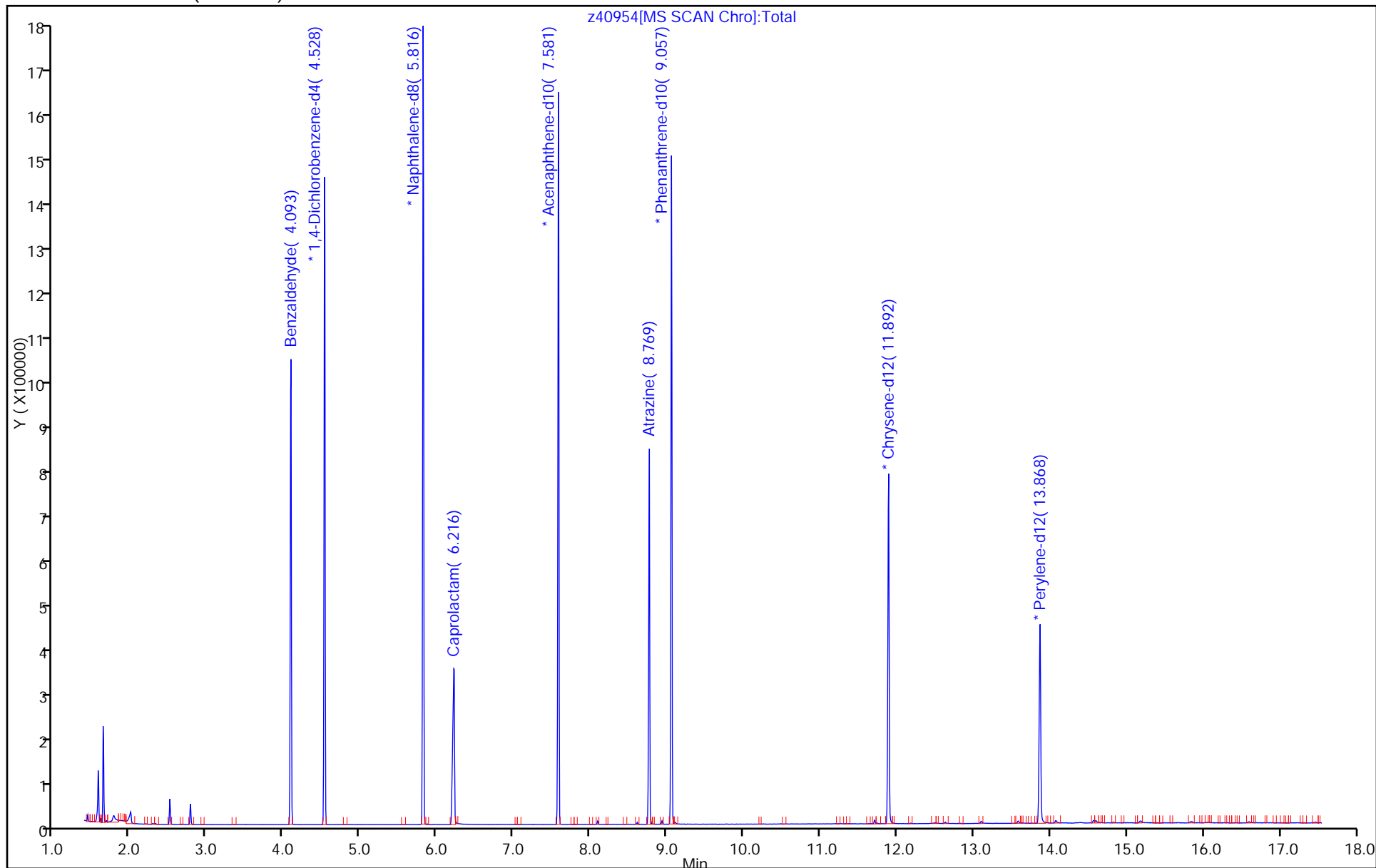
Dil. Factor: 1.0000

ALS Bottle#: 19

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.: 460-109447-1

SDG No.: _____

Lab Sample ID: CCVIS 460-353016/2 Calibration Date: 02/28/2016 20:42

Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51

Lab File ID: z41194.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6148	0.5854	0.0100	47600	50000	-4.8	20.0
N-Nitrosodimethylamine	Ave	0.9064	0.7763		42800	50000	-14.4	20.0
Pyridine	Ave	1.565	1.335		42700	50000	-14.7	20.0
Phenol	Ave	1.700	1.641	0.8000	48200	50000	-3.5	20.0
Aniline	Ave	2.122	1.885		44400	50000	-11.2	20.0
Bis(2-chloroethyl)ether	Ave	1.466	1.266	0.7000	43200	50000	-13.7	20.0
2-Chlorophenol	Ave	1.407	1.363	0.8000	48400	50000	-3.2	20.0
n-Decane	Ave	2.143	1.170	0.0100	27300	50000	-45.4*	20.0
1,3-Dichlorobenzene	Ave	1.545	1.541		49800	50000	-0.3	20.0
1,4-Dichlorobenzene	Ave	1.538	1.549		50400	50000	0.7	20.0
Benzyl alcohol	Ave	0.8266	0.7520	0.0100	45500	50000	-9.0	20.0
1,2-Dichlorobenzene	Ave	1.446	1.443		49900	50000	-0.2	20.0
2-Methylphenol	Ave	1.203	1.065	0.7000	44200	50000	-11.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.550	1.287	0.0100	25200	50000	-49.6*	20.0
Acetophenone	Ave	1.582	1.435	0.0100	45400	50000	-9.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.9535	0.7087	0.5000	37200	50000	-25.7*	20.0
3 & 4 Methylphenol	Ave	1.258	1.045		41500	50000	-16.9	20.0
4-Methylphenol	Ave	1.258	1.045	0.6000	41500	50000	-16.9	20.0
Hexachloroethane	Ave	0.6149	0.5937	0.3000	48300	50000	-3.4	20.0
n,n'-Dimethylaniline	Ave	1.965	1.793	0.0100	45600	50000	-8.7	20.0
Nitrobenzene	Ave	0.5276	0.4838	0.2000	45800	50000	-8.3	20.0
Isophorone	Ave	0.6483	0.5286	0.4000	40800	50000	-18.5	20.0
2-Nitrophenol	Ave	0.1942	0.1931	0.1000	49700	50000	-0.6	20.0
2,4-Dimethylphenol	Ave	0.3140	0.3007	0.2000	47900	50000	-4.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4109	0.3765	0.3000	45800	50000	-8.4	20.0
Benzoic acid	Lin		0.1240		34300	50000	-31.4*	20.0
2,4-Dichlorophenol	Ave	0.2762	0.2773	0.2000	50200	50000	0.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3156	0.3205		50800	50000	1.5	20.0
Naphthalene	Ave	1.024	0.996	0.7000	48600	50000	-2.8	20.0
4-Chloroaniline	Ave	0.4112	0.3819	0.0100	46400	50000	-7.1	20.0
Hexachlorobutadiene	Ave	0.1662	0.1938	0.0100	58300	50000	16.6	20.0
4-Chloro-3-methylphenol	Ave	0.2569	0.2375		46200	50000	-7.5	20.0
2-Methylnaphthalene	Ave	0.6570	0.6296	0.4000	47900	50000	-4.2	20.0
1-Methylnaphthalene	Ave	0.5709	0.5285	0.0100	46300	50000	-7.4	20.0
Hexachlorocyclopentadiene	Lin2		0.3640	0.0500	46000	50000	-8.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5924	0.6723	0.0100	56700	50000	13.5	20.0
2-tertbutyl-4-methylphenol	Ave	0.4116	0.4058	0.0100	49300	50000	-1.4	20.0
2,4,6-Trichlorophenol	Ave	0.3973	0.3898	0.2000	49100	50000	-1.9	20.0
2,4,5-Trichlorophenol	Ave	0.3935	0.3929	0.2000	49900	50000	-0.1	20.0
1,1'-Biphenyl	Ave	1.699	1.660	0.0100	48900	50000	-2.2	20.0
2-Chloronaphthalene	Ave	1.268	1.256	0.8000	49500	50000	-0.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Lab Sample ID: CCVIS 460-353016/2 Calibration Date: 02/28/2016 20:42

Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51

Lab File ID: z41194.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8741	0.8859	0.0100	50700	50000	1.4	20.0
2-Nitroaniline	Ave	0.5057	0.3899	0.0100	38500	50000	-22.9*	20.0
1,3-Dimethylnaphthalene	Ave	1.076	1.047	0.0100	48700	50000	-2.7	20.0
Dimethyl phthalate	Ave	1.239	1.084	0.0100	43800	50000	-12.5	20.0
Coumarin	Ave	0.1781	0.1417	0.0100	39800	50000	-20.5*	20.0
2,6-Dinitrotoluene	Ave	0.3003	0.2730	0.2000	45500	50000	-9.1	20.0
Acenaphthylene	Ave	1.937	1.775	0.9000	45800	50000	-8.4	20.0
3-Nitroaniline	Ave	0.3333	0.2679	0.0100	40200	50000	-19.6	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.144	0.0100	52000	50000	4.1	20.0
Acenaphthene	Ave	1.238	1.082	0.9000	43700	50000	-12.6	20.0
2,4-Dinitrophenol	Qua		0.1230	0.0100	75400	100000	-24.6*	20.0
4-Nitrophenol	Ave	0.2263	0.1620	0.0100	71600	100000	-28.4*	20.0
2,4-Dinitrotoluene	Ave	0.3644	0.3148	0.2000	43200	50000	-13.6	20.0
Dibenzofuran	Ave	1.668	1.541	0.8000	46200	50000	-7.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2826	0.2709	0.0100	47900	50000	-4.2	20.0
Diethyl phthalate	Ave	1.141	1.018	0.0100	44600	50000	-10.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5687	0.5562	0.4000	48900	50000	-2.2	20.0
Fluorene	Ave	1.281	1.176	0.9000	45900	50000	-8.2	20.0
4-Nitroaniline	Ave	0.3011	0.2301	0.0100	38200	50000	-23.6*	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1280	0.1308	0.0100	102000	100000	2.2	20.0
N-Nitrosodiphenylamine	Ave	0.6498	0.6657	0.0100	102000	100000	2.4	20.0
1,2-Diphenylhydrazine	Ave	0.9470	0.8776	0.0100	46300	50000	-7.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2310	0.2672	0.1000	57800	50000	15.7	20.0
Hexachlorobenzene	Ave	0.2474	0.2853	0.1000	57700	50000	15.3	20.0
Pentachlorophenol	Ave	0.1280	0.1367	0.0500	107000	100000	6.8	20.0
Pentachloronitrobenzene	Ave	0.0846	0.0982	0.0100	58100	50000	16.1	20.0
n-Octadecane	Ave	0.9540	0.7616	0.0100	39900	50000	-20.2*	20.0
Phenanthrene	Ave	1.136	1.157	0.7000	50900	50000	1.9	20.0
Anthracene	Ave	1.150	1.158	0.7000	50300	50000	0.7	20.0
Carbazole	Ave	0.9772	0.9457	0.0100	48400	50000	-3.2	20.0
Di-n-butyl phthalate	Ave	1.145	1.147	0.0100	50100	50000	0.1	20.0
Fluoranthene	Ave	0.9392	0.9890	0.6000	52700	50000	5.3	20.0
Benzidine	Ave	0.4999	0.4178		41800	50000	-16.4	20.0
Pyrene	Ave	1.751	1.566	0.6000	44700	50000	-10.5	20.0
Bisphenol-A	Qua		0.5756		52100	50000	4.3	20.0
Butyl benzyl phthalate	Ave	0.6805	0.6400	0.0100	47000	50000	-5.9	20.0
2,3,7,8-TCDD	Ave	0.2083	0.1798	0.0100	432	500	-13.7	20.0
Carbamazepine	Ave	0.4489	0.4166	0.0100	46400	50000	-7.2	20.0
3,3'-Dichlorobenzidine	Ave	0.4050	0.4302	0.0100	53100	50000	6.2	20.0
Benzo[a]anthracene	Ave	1.231	1.186	0.8000	48200	50000	-3.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109447-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-353016/2 Calibration Date: 02/28/2016 20:42
 Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51
 Lab File ID: z41194.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	0.9191	0.8890	0.0100	48400	50000	-3.3	20.0
Chrysene	Ave	1.059	1.074	0.7000	50700	50000	1.4	20.0
Di-n-octyl phthalate	Ave	1.730	1.654	0.0100	47800	50000	-4.4	20.0
Benzo[b]fluoranthene	Ave	1.194	1.247	0.7000	52200	50000	4.4	20.0
Benzo[k]fluoranthene	Ave	1.274	1.245	0.7000	48800	50000	-2.3	20.0
Benzo[a]pyrene	Ave	1.101	1.143	0.7000	51900	50000	3.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8368	1.018	0.5000	60800	50000	21.6*	20.0
Dibenz(a,h)anthracene	Ave	0.8753	1.029	0.4000	58800	50000	17.6	20.0
Benzo[g,h,i]perylene	Ave	0.8962	1.015	0.5000	56600	50000	13.2	20.0
2-Fluorophenol (Surr)	Ave	1.440	1.435	0.0100	49800	50000	-0.3	20.0
Phenol-d5 (Surr)	Ave	1.693	1.599	0.0100	47200	50000	-5.6	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4008	0.3920	0.0100	48900	50000	-2.2	20.0
2-Fluorobiphenyl	Ave	1.610	1.645	0.0100	51100	50000	2.2	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1717	0.1952	0.0100	56900	50000	13.7	20.0
Terphenyl-d14 (Surr)	Ave	1.198	1.191	0.0100	49700	50000	-0.5	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41194.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 28-Feb-2016 20:42:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037822-002
 Misc. Info.: CCVIS
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 11:54:11 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: szczecha

Date: 29-Feb-2016 11:54:11

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	1.606	1.606	0.000	96	120223	50.0	47.6	
2 N-Nitrosodimethylamine	74	1.830	1.830	0.000	96	159434	50.0	42.8	
3 Pyridine	79	1.859	1.859	0.000	91	274255	50.0	42.7	
\$ 4 2-Fluorophenol	112	2.977	2.977	0.000	95	294822	50.0	49.8	
\$ 6 Phenol-d5	99	3.906	3.906	0.000	92	328382	50.0	47.2	
7 Phenol	94	3.924	3.924	0.000	97	336967	50.0	48.2	
8 Aniline	93	3.936	3.936	0.000	97	387163	50.0	44.4	
9 Bis(2-chloroethyl)ether	93	4.000	4.000	0.000	95	259928	50.0	43.2	
10 Benzonitrile	103	4.024	4.024	0.000	0	476738	NC	NC	
11 2-Chlorophenol	128	4.059	4.059	0.000	96	279911	50.0	48.4	
12 n-Decane	43	4.106	4.106	0.000	82	240214	50.0	27.3	
13 1,3-Dichlorobenzene	146	4.206	4.206	0.000	96	316414	50.0	49.8	
* 14 1,4-Dichlorobenzene-d4	152	4.265	4.265	0.000	95	164305	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.283	4.283	0.000	95	318204	50.0	50.4	
16 Benzyl alcohol	108	4.406	4.406	0.000	94	154444	50.0	45.5	
17 1,2-Dichlorobenzene	146	4.436	4.436	0.000	96	296451	50.0	49.9	
18 2-Methylphenol	108	4.524	4.524	0.000	90	218639	50.0	44.2	
19 2,2'-oxybis[1-chloropropan	45	4.541	4.541	0.000	93	264233	50.0	25.2	
20 N-Methylaniline	106	4.665	4.665	0.000	0	360842	NC	NC	
22 Acetophenone	105	4.677	4.677	0.000	94	294798	50.0	45.4	
21 N-Nitrosodi-n-propylamine	70	4.677	4.677	0.000	75	145550	50.0	37.2	
23 3 & 4 Methylphenol	108	4.689	4.689	0.000	88	214690	50.0	41.5	
24 4-Methylphenol	108	4.689	4.689	0.000	89	214690	50.0	41.5	
25 Hexachloroethane	117	4.771	4.771	0.000	97	121929	50.0	48.3	
\$ 26 Nitrobenzene-d5	82	4.824	4.824	0.000	87	256336	50.0	48.9	
27 Nitrobenzene	77	4.847	4.847	0.000	95	316387	50.0	45.8	
28 n,n'-Dimethylaniline	120	4.847	4.847	0.000	93	368343	50.0	45.6	
31 Isophorone	82	5.089	5.089	0.000	98	345644	50.0	40.8	
32 2-Nitrophenol	139	5.165	5.165	0.000	94	126279	50.0	49.7	
33 2,4-Dimethylphenol	122	5.218	5.218	0.000	92	196633	50.0	47.9	

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	5.306	5.306	0.000	98	246177	50.0	45.8	
35 Benzoic acid	122	5.353	5.353	0.000	86	81091	50.0	34.3	
36 2,4-Dichlorophenol	162	5.412	5.412	0.000	97	181327	50.0	50.2	
37 1,2,4-Trichlorobenzene	180	5.494	5.494	0.000	95	209557	50.0	50.8	
* 38 Naphthalene-d8	136	5.547	5.547	0.000	99	523123	40.0	40.0	
39 Naphthalene	128	5.571	5.571	0.000	100	651070	50.0	48.6	
40 4-Chloroaniline	127	5.630	5.630	0.000	97	249744	50.0	46.4	
41 Hexachlorobutadiene	225	5.700	5.700	0.000	96	126712	50.0	58.3	
43 4-Chloro-3-methylphenol	107	6.124	6.124	0.000	96	155318	50.0	46.2	
44 2-Methylnaphthalene	142	6.265	6.265	0.000	86	411695	50.0	47.9	
45 1-Methylnaphthalene	142	6.365	6.365	0.000	93	345607	50.0	46.3	
46 Hexachlorocyclopentadiene	237	6.430	6.430	0.000	96	95578	50.0	46.0	
47 1,2,4,5-Tetrachlorobenzene	216	6.441	6.441	0.000	98	176530	50.0	56.7	
48 2-tertbutyl-4-methylphenol	149	6.477	6.477	0.000	91	265382	50.0	49.3	
49 2,4,6-Trichlorophenol	196	6.553	6.553	0.000	89	102339	50.0	49.1	
50 2,4,5-Trichlorophenol	196	6.588	6.588	0.000	97	103163	50.0	49.9	
\$ 51 2-Fluorobiphenyl	172	6.635	6.635	0.000	98	431882	50.0	51.1	
52 1,1'-Biphenyl	154	6.735	6.735	0.000	94	435961	50.0	48.9	
53 2-Chloronaphthalene	162	6.753	6.753	0.000	97	329785	50.0	49.5	
54 Phenyl ether	170	6.841	6.841	0.000	84	232596	50.0	50.7	
55 2-Nitroaniline	65	6.859	6.859	0.000	96	102366	50.0	38.5	
57 1,3-Dimethylnaphthalene	156	6.971	6.971	0.000	92	274927	50.0	48.7	
58 Dimethyl phthalate	163	7.041	7.041	0.000	99	284662	50.0	43.8	
59 Coumarin	146	7.059	7.059	0.000	79	92627	50.0	39.8	
60 2,6-Dinitrotoluene	165	7.100	7.100	0.000	95	71687	50.0	45.5	
63 Acenaphthylene	152	7.165	7.165	0.000	98	466098	50.0	45.8	
64 3-Nitroaniline	138	7.265	7.265	0.000	93	70326	50.0	40.2	
* 65 Acenaphthene-d10	164	7.306	7.306	0.000	92	210049	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.330	7.330	0.000	97	300369	50.0	52.0	
67 Acenaphthene	154	7.335	7.335	0.000	94	284165	50.0	43.7	
68 2,4-Dinitrophenol	184	7.371	7.371	0.000	95	64590	100.0	75.4	
69 4-Nitrophenol	65	7.447	7.447	0.000	89	85086	100.0	71.6	
70 2,4-Dinitrotoluene	165	7.494	7.494	0.000	96	82654	50.0	43.2	
71 Dibenzofuran	168	7.506	7.506	0.000	96	404685	50.0	46.2	
72 2,3,4,6-Tetrachlorophenol	232	7.635	7.635	0.000	95	71118	50.0	47.9	
73 Diethyl phthalate	149	7.741	7.741	0.000	99	267325	50.0	44.6	
75 4-Chlorophenyl phenyl ethe	204	7.847	7.847	0.000	78	146033	50.0	48.9	
74 Fluorene	166	7.847	7.847	0.000	95	308752	50.0	45.9	
76 4-Nitroaniline	138	7.871	7.871	0.000	90	60420	50.0	38.2	
77 4,6-Dinitro-2-methylphenol	198	7.906	7.906	0.000	89	81221	100.0	102.2	
78 N-Nitrosodiphenylamine	169	7.971	7.971	0.000	65	413512	100.0	102.4	
79 1,2-Diphenylhydrazine	77	8.006	8.006	0.000	95	272577	50.0	46.3	
\$ 80 2,4,6-Tribromophenol	330	8.088	8.088	0.000	93	51251	50.0	56.9	
81 4-Bromophenyl phenyl ether	248	8.329	8.329	0.000	93	82992	50.0	57.8	
82 Hexachlorobenzene	284	8.400	8.400	0.000	97	88616	50.0	57.7	
84 Pentachlorophenol	266	8.594	8.594	0.000	94	84918	100.0	106.8	
85 Pentachloronitrobenzene	237	8.606	8.606	0.000	90	30502	50.0	58.1	
86 n-Octadecane	57	8.677	8.677	0.000	87	236551	50.0	39.9	
* 87 Phenanthrene-d10	188	8.771	8.771	0.000	99	248474	40.0	40.0	
88 Phenanthrene	178	8.794	8.794	0.000	97	359458	50.0	50.9	
89 Anthracene	178	8.847	8.847	0.000	99	359703	50.0	50.3	
90 Carbazole	167	9.006	9.006	0.000	96	293719	50.0	48.4	

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	9.353	9.353	0.000	99	356129	50.0	50.1	
92 Fluoranthene	202	9.971	9.971	0.000	98	307160	50.0	52.7	
93 Benzidine	184	10.100	10.100	0.000	99	129752	50.0	41.8	
94 Pyrene	202	10.194	10.194	0.000	97	308340	50.0	44.7	
95 Bisphenol-A	213	10.241	10.241	0.000	100	113310	50.0	52.1	
\$ 96 Terphenyl-d14	244	10.353	10.353	0.000	99	234535	50.0	49.7	
97 Butyl benzyl phthalate	149	10.876	10.876	0.000	97	125985	50.0	47.0	
98 2,3,7,8-TCDD	320	10.982	10.982	0.000	89	354	0.5000	0.4316	
99 Carbamazepine	193	10.994	10.994	0.000	93	82013	50.0	46.4	
100 3,3'-Dichlorobenzidine	252	11.488	11.488	0.000	100	84690	50.0	53.1	
101 Benzo[a]anthracene	228	11.518	11.518	0.000	98	233495	50.0	48.2	
* 102 Chrysene-d12	240	11.535	11.535	0.000	99	157483	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.565	11.565	0.000	88	175003	50.0	48.4	
103 Chrysene	228	11.565	11.565	0.000	99	211337	50.0	50.7	
105 Di-n-octyl phthalate	149	12.423	12.423	0.000	97	270950	50.0	47.8	
106 Benzo[b]fluoranthene	252	12.923	12.923	0.000	99	204244	50.0	52.2	
107 Benzo[k]fluoranthene	252	12.959	12.959	0.000	99	203904	50.0	48.8	
108 Benzo[a]pyrene	252	13.364	13.364	0.000	97	187198	50.0	51.9	
* 109 Perylene-d12	264	13.441	13.441	0.000	98	131049	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.947	14.947	0.000	99	166690	50.0	60.8	
111 Dibenz(a,h)anthracene	278	14.982	14.982	0.000	97	168623	50.0	58.8	
112 Benzo[g,h,i]perylene	276	15.364	15.364	0.000	98	166217	50.0	56.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

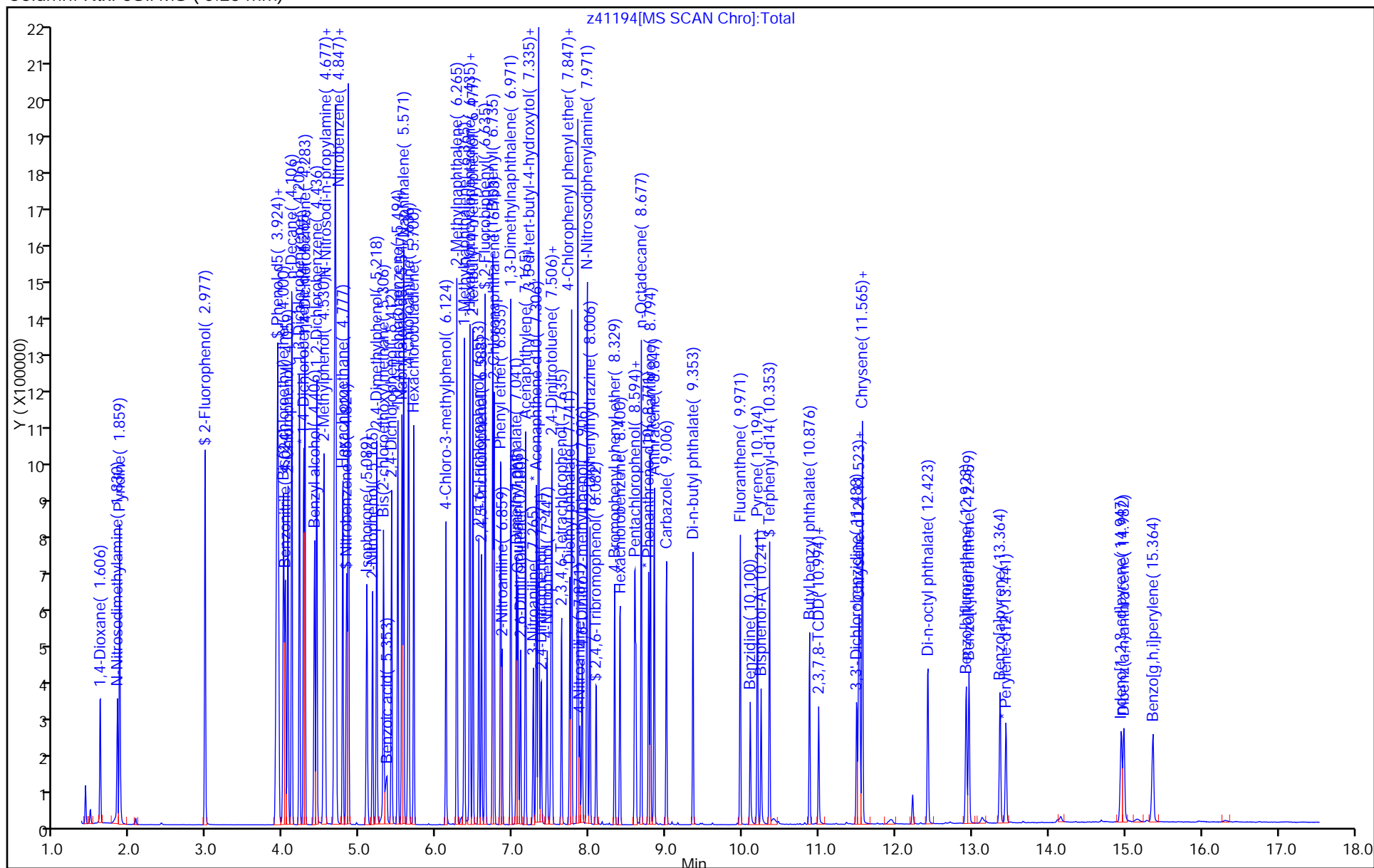
SV_IC_BNA_L6_00017

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41194.D		
Injection Date:	28-Feb-2016 20:42:30	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.: 460-109447-1
SDG No.: _____
Lab Sample ID: CCV 460-353016/3 Calibration Date: 02/28/2016 21:23
Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 17:14
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 19:37
Lab File ID: z41195.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.207	1.057	0.0100	43800	50000	-12.4	20.0
Caprolactam	Ave	0.0929	0.0701	0.0100	37700	50000	-24.6*	20.0
Atrazine	Ave	0.2058	0.1923	0.0100	46700	50000	-6.6	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41195.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 28-Feb-2016 21:23:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037822-003
 Misc. Info.: CCV
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 01-Mar-2016 02:16:10 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: sangfaib

Date: 01-Mar-2016 02:16:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.818	3.818	0.000	96	217871	50.0	43.8	
* 14 1,4-Dichlorobenzene-d4	152	4.259	4.259	0.000	96	164883	40.0	40.0	
* 38 Naphthalene-d8	136	5.542	5.542	0.000	99	542993	40.0	40.0	
42 Caprolactam	113	5.953	5.953	0.000	91	47580	50.0	37.7	
* 65 Acenaphthene-d10	164	7.300	7.300	0.000	92	224314	40.0	40.0	
83 Atrazine	200	8.494	8.494	0.000	95	63055	50.0	46.7	
* 87 Phenanthrene-d10	188	8.771	8.771	0.000	99	262357	40.0	40.0	
* 102 Chrysene-d12	240	11.529	11.529	0.000	99	155971	40.0	40.0	
* 109 Perylene-d12	264	13.441	13.441	0.000	98	133251	40.0	40.0	

Reagents:

SV_IC-S_L6_00015

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41195.D

Injection Date: 28-Feb-2016 21:23:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

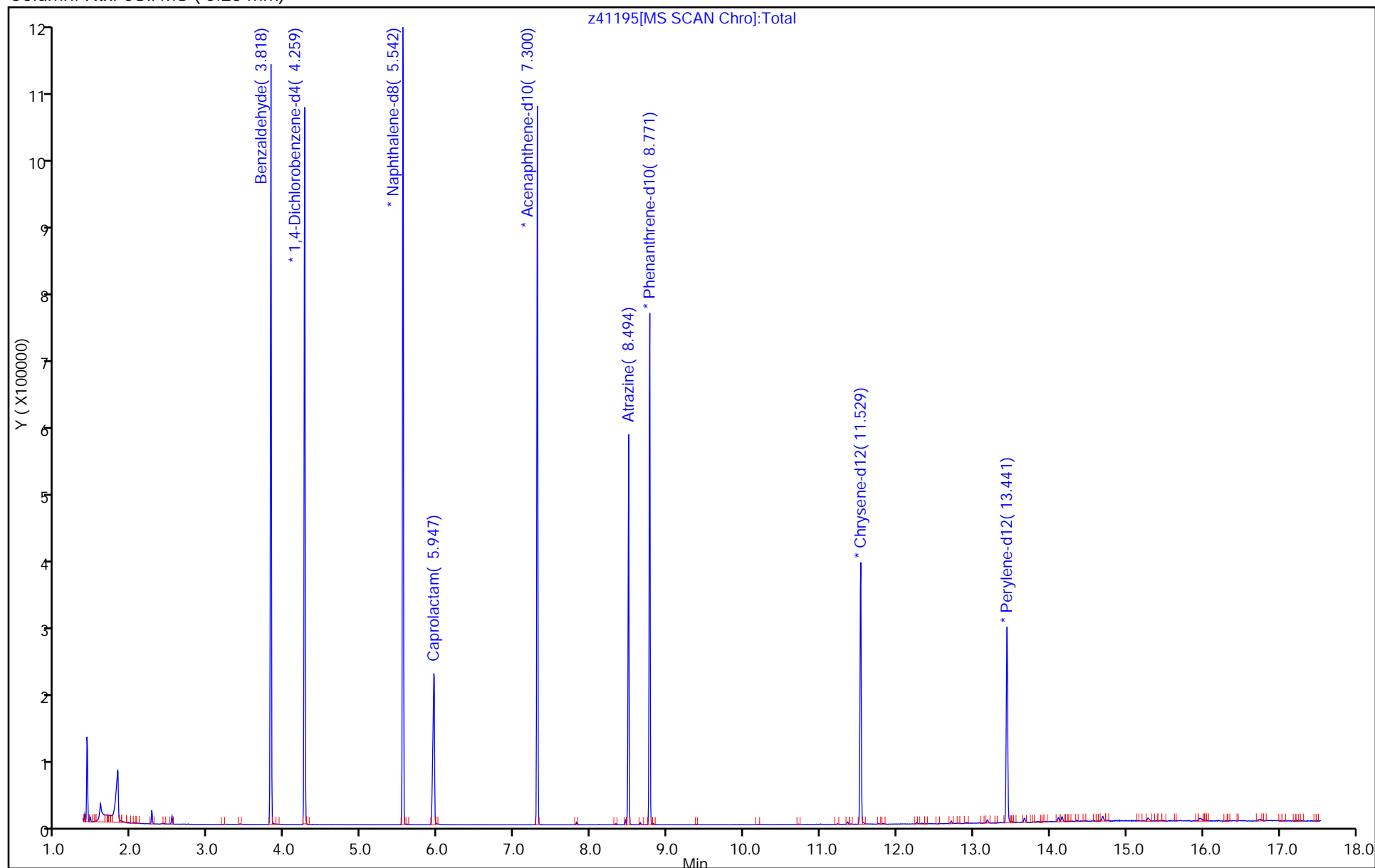
Dil. Factor: 1.0000

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.: 460-109447-1

SDG No.: _____

Lab Sample ID: CCVIS 460-353092/2 Calibration Date: 02/29/2016 11:56

Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51

Lab File ID: z41224.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6148	0.5777	0.0100	47000	50000	-6.0	20.0
N-Nitrosodimethylamine	Ave	0.9064	0.7864		43400	50000	-13.2	20.0
Pyridine	Ave	1.565	1.383		44200	50000	-11.7	20.0
Phenol	Ave	1.700	1.716	0.8000	50500	50000	0.9	20.0
Aniline	Ave	2.122	1.949		45900	50000	-8.2	20.0
Bis(2-chloroethyl)ether	Ave	1.466	1.324	0.7000	45100	50000	-9.7	20.0
2-Chlorophenol	Ave	1.407	1.408	0.8000	50000	50000	0.0	20.0
n-Decane	Ave	2.143	1.102	0.0100	25700	50000	-48.6*	20.0
1,3-Dichlorobenzene	Ave	1.545	1.544		50000	50000	-0.1	20.0
1,4-Dichlorobenzene	Ave	1.538	1.558		50700	50000	1.3	20.0
Benzyl alcohol	Ave	0.8266	0.8151	0.0100	49300	50000	-1.4	20.0
1,2-Dichlorobenzene	Ave	1.446	1.454		50300	50000	0.6	20.0
2-Methylphenol	Ave	1.203	1.138	0.7000	47300	50000	-5.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.550	1.265	0.0100	24800	50000	-50.4*	20.0
Acetophenone	Ave	1.582	1.562	0.0100	49400	50000	-1.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.9535	0.7873	0.5000	41300	50000	-17.4	20.0
3 & 4 Methylphenol	Ave	1.258	1.160		46100	50000	-7.8	20.0
4-Methylphenol	Ave	1.258	1.160	0.6000	46100	50000	-7.8	20.0
Hexachloroethane	Ave	0.6149	0.5996	0.3000	48800	50000	-2.5	20.0
n,n'-Dimethylaniline	Ave	1.965	1.900	0.0100	48300	50000	-3.3	20.0
Nitrobenzene	Ave	0.5276	0.4814	0.2000	45600	50000	-8.8	20.0
Isophorone	Ave	0.6483	0.5670	0.4000	43700	50000	-12.5	20.0
2-Nitrophenol	Ave	0.1942	0.1991	0.1000	51300	50000	2.5	20.0
2,4-Dimethylphenol	Ave	0.3140	0.3099	0.2000	49300	50000	-1.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.4109	0.3881	0.3000	47200	50000	-5.6	20.0
Benzoic acid	Lin		0.1783		48600	50000	-2.8	20.0
2,4-Dichlorophenol	Ave	0.2762	0.2819	0.2000	51000	50000	2.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3156	0.3202		50700	50000	1.5	20.0
Naphthalene	Ave	1.024	1.003	0.7000	49000	50000	-2.1	20.0
4-Chloroaniline	Ave	0.4112	0.3937	0.0100	47900	50000	-4.2	20.0
Hexachlorobutadiene	Ave	0.1662	0.1877	0.0100	56500	50000	12.9	20.0
4-Chloro-3-methylphenol	Ave	0.2569	0.2624		51100	50000	2.1	20.0
2-Methylnaphthalene	Ave	0.6570	0.6527	0.4000	49700	50000	-0.7	20.0
1-Methylnaphthalene	Ave	0.5709	0.5602	0.0100	49100	50000	-1.9	20.0
Hexachlorocyclopentadiene	Lin2		0.3862	0.0500	48700	50000	-2.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5924	0.6407	0.0100	54100	50000	8.2	20.0
2-tertbutyl-4-methylphenol	Ave	0.4116	0.4402	0.0100	53500	50000	7.0	20.0
2,4,6-Trichlorophenol	Ave	0.3973	0.4010	0.2000	50500	50000	0.9	20.0
2,4,5-Trichlorophenol	Ave	0.3935	0.4026	0.2000	51200	50000	2.3	20.0
1,1'-Biphenyl	Ave	1.699	1.632	0.0100	48100	50000	-3.9	20.0
2-Chloronaphthalene	Ave	1.268	1.236	0.8000	48800	50000	-2.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Lab Sample ID: CCVIS 460-353092/2 Calibration Date: 02/29/2016 11:56

Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51

Lab File ID: z41224.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8741	0.8796	0.0100	50300	50000	0.6	20.0
2-Nitroaniline	Ave	0.5057	0.4025	0.0100	39800	50000	-20.4*	20.0
1,3-Dimethylnaphthalene	Ave	1.076	1.048	0.0100	48700	50000	-2.5	20.0
Dimethyl phthalate	Ave	1.239	1.134	0.0100	45800	50000	-8.5	20.0
Coumarin	Ave	0.1781	0.1621	0.0100	45500	50000	-9.0	20.0
2,6-Dinitrotoluene	Ave	0.3003	0.2826	0.2000	47100	50000	-5.9	20.0
Acenaphthylene	Ave	1.937	1.801	0.9000	46500	50000	-7.0	20.0
3-Nitroaniline	Ave	0.3333	0.2848	0.0100	42700	50000	-14.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.179	0.0100	53700	50000	7.3	20.0
Acenaphthene	Ave	1.238	1.083	0.9000	43700	50000	-12.5	20.0
2,4-Dinitrophenol	Qua		0.1654	0.0100	99400	100000	-0.6	20.0
4-Nitrophenol	Ave	0.2263	0.1829	0.0100	80800	100000	-19.2	20.0
2,4-Dinitrotoluene	Ave	0.3644	0.3295	0.2000	45200	50000	-9.6	20.0
Dibenzofuran	Ave	1.668	1.560	0.8000	46800	50000	-6.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2826	0.2938	0.0100	52000	50000	4.0	20.0
Diethyl phthalate	Ave	1.141	1.072	0.0100	47000	50000	-6.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.5687	0.5618	0.4000	49400	50000	-1.2	20.0
Fluorene	Ave	1.281	1.195	0.9000	46700	50000	-6.7	20.0
4-Nitroaniline	Ave	0.3011	0.2506	0.0100	41600	50000	-16.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1280	0.1485	0.0100	116000	100000	16.0	20.0
N-Nitrosodiphenylamine	Ave	0.6498	0.6587	0.0100	101000	100000	1.4	20.0
1,2-Diphenylhydrazine	Ave	0.9470	0.8603	0.0100	45400	50000	-9.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2310	0.2599	0.1000	56300	50000	12.5	20.0
Hexachlorobenzene	Ave	0.2474	0.2896	0.1000	58500	50000	17.1	20.0
Pentachlorophenol	Ave	0.1280	0.1475	0.0500	115000	100000	15.3	20.0
Pentachloronitrobenzene	Ave	0.0846	0.0985	0.0100	58200	50000	16.4	20.0
n-Octadecane	Ave	0.9540	0.7017	0.0100	36800	50000	-26.4*	20.0
Phenanthrene	Ave	1.136	1.146	0.7000	50400	50000	0.9	20.0
Anthracene	Ave	1.150	1.164	0.7000	50600	50000	1.2	20.0
Carbazole	Ave	0.9772	0.9137	0.0100	46800	50000	-6.5	20.0
Di-n-butyl phthalate	Ave	1.145	1.118	0.0100	48800	50000	-2.4	20.0
Fluoranthene	Ave	0.9392	0.9439	0.6000	50300	50000	0.5	20.0
Benidine	Ave	0.4999	0.3630		36300	50000	-27.4*	20.0
Pyrene	Ave	1.751	1.742	0.6000	49700	50000	-0.5	20.0
Bisphenol-A	Qua		0.5389		49300	50000	-1.4	20.0
Butyl benzyl phthalate	Ave	0.6805	0.6444	0.0100	47300	50000	-5.3	20.0
2,3,7,8-TCDD	Ave	0.2083	0.2054	0.0100	493	500	-1.4	20.0
Carbamazepine	Ave	0.4489	0.3111	0.0100	34700	50000	-30.7*	20.0
3,3'-Dichlorobenzidine	Ave	0.4050	0.3962	0.0100	48900	50000	-2.2	20.0
Benzo[a]anthracene	Ave	1.231	1.180	0.8000	47900	50000	-4.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109447-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-353092/2 Calibration Date: 02/29/2016 11:56
 Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 13:38
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 16:51
 Lab File ID: z41224.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.059	1.065	0.7000	50300	50000	0.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9191	0.8518	0.0100	46300	50000	-7.3	20.0
Di-n-octyl phthalate	Ave	1.730	1.649	0.0100	47700	50000	-4.7	20.0
Benzo[b]fluoranthene	Ave	1.194	1.258	0.7000	52700	50000	5.3	20.0
Benzo[k]fluoranthene	Ave	1.274	1.280	0.7000	50200	50000	0.5	20.0
Benzo[a]pyrene	Ave	1.101	1.134	0.7000	51500	50000	3.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8368	0.995	0.5000	59500	50000	18.9	20.0
Dibenz(a,h)anthracene	Ave	0.8753	0.9719	0.4000	55500	50000	11.0	20.0
Benzo[g,h,i]perylene	Ave	0.8962	0.9578	0.5000	53400	50000	6.9	20.0
2-Fluorophenol (Surr)	Ave	1.440	1.433	0.0100	49700	50000	-0.5	20.0
Phenol-d5 (Surr)	Ave	1.693	1.668	0.0100	49300	50000	-1.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4008	0.3902	0.0100	48700	50000	-2.7	20.0
2-Fluorobiphenyl	Ave	1.610	1.606	0.0100	49900	50000	-0.2	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1717	0.2159	0.0100	62900	50000	25.8*	20.0
Terphenyl-d14 (Surr)	Ave	1.198	1.329	0.0100	55500	50000	10.9	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41224.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 29-Feb-2016 11:56:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037846-002
 Misc. Info.: CCVIS
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 15:16:01 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: zhaoc

Date: 29-Feb-2016 12:32:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.589	1.589	0.000	97	135440	50.0	47.0	
2 N-Nitrosodimethylamine	74	1.812	1.812	0.000	96	184385	50.0	43.4	
3 Pyridine	79	1.836	1.836	0.000	92	324243	50.0	44.2	
\$ 4 2-Fluorophenol	112	2.942	2.942	0.000	94	335915	50.0	49.7	
\$ 6 Phenol-d5	99	3.877	3.877	0.000	96	391040	50.0	49.3	
7 Phenol	94	3.895	3.895	0.000	97	402313	50.0	50.5	
8 Aniline	93	3.900	3.900	0.000	94	456878	50.0	45.9	
9 Bis(2-chloroethyl)ether	93	3.965	3.965	0.000	95	310395	50.0	45.1	
10 Benzonitrile	103	3.995	3.995	0.000	0	572452	NC	NC	
11 2-Chlorophenol	128	4.024	4.024	0.000	96	330219	50.0	50.0	
12 n-Decane	43	4.077	4.077	0.000	81	258452	50.0	25.7	
13 1,3-Dichlorobenzene	146	4.171	4.171	0.000	96	361973	50.0	50.0	
* 14 1,4-Dichlorobenzene-d4	152	4.230	4.230	0.000	95	187574	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.247	4.247	0.000	95	365383	50.0	50.7	
16 Benzyl alcohol	108	4.377	4.377	0.000	94	191118	50.0	49.3	
17 1,2-Dichlorobenzene	146	4.400	4.400	0.000	96	340905	50.0	50.3	
18 2-Methylphenol	108	4.495	4.495	0.000	90	266931	50.0	47.3	
19 2,2'-oxybis[1-chloropropan	45	4.506	4.506	0.000	92	296515	50.0	24.8	
20 N-Methylaniline	106	4.630	4.630	0.000	0	439387	NC	NC	
22 Acetophenone	105	4.642	4.642	0.000	95	366326	50.0	49.4	
21 N-Nitrosodi-n-propylamine	70	4.647	4.647	0.000	78	184606	50.0	41.3	
23 3 & 4 Methylphenol	108	4.659	4.659	0.000	86	271993	50.0	46.1	
24 4-Methylphenol	108	4.659	4.659	0.000	90	271993	50.0	46.1	
25 Hexachloroethane	117	4.736	4.736	0.000	97	140577	50.0	48.8	
\$ 26 Nitrobenzene-d5	82	4.795	4.795	0.000	86	312541	50.0	48.7	
27 Nitrobenzene	77	4.818	4.818	0.000	98	385600	50.0	45.6	
28 n,n'-Dimethylaniline	120	4.818	4.818	0.000	97	445505	50.0	48.3	
31 Isophorone	82	5.059	5.059	0.000	98	454216	50.0	43.7	
32 2-Nitrophenol	139	5.130	5.130	0.000	94	159493	50.0	51.3	
33 2,4-Dimethylphenol	122	5.189	5.189	0.000	92	248220	50.0	49.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.277	5.277	0.000	99	310870	50.0	47.2	
35 Benzoic acid	122	5.347	5.347	0.000	85	142833	50.0	48.6	
36 2,4-Dichlorophenol	162	5.377	5.377	0.000	96	225808	50.0	51.0	
37 1,2,4-Trichlorobenzene	180	5.459	5.459	0.000	94	256501	50.0	50.7	
* 38 Naphthalene-d8	136	5.512	5.512	0.000	99	640840	40.0	40.0	
39 Naphthalene	128	5.536	5.536	0.000	100	803475	50.0	49.0	
40 4-Chloroaniline	127	5.594	5.594	0.000	97	315389	50.0	47.9	
41 Hexachlorobutadiene	225	5.665	5.665	0.000	96	150359	50.0	56.5	
43 4-Chloro-3-methylphenol	107	6.089	6.089	0.000	96	210197	50.0	51.1	
44 2-Methylnaphthalene	142	6.230	6.230	0.000	86	522863	50.0	49.7	
45 1-Methylnaphthalene	142	6.330	6.330	0.000	93	448756	50.0	49.1	
46 Hexachlorocyclopentadiene	237	6.394	6.394	0.000	97	134711	50.0	48.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.406	6.406	0.000	98	223466	50.0	54.1	
48 2-tertbutyl-4-methylphenol	149	6.441	6.441	0.000	91	352646	50.0	53.5	
49 2,4,6-Trichlorophenol	196	6.518	6.518	0.000	89	139862	50.0	50.5	
50 2,4,5-Trichlorophenol	196	6.553	6.553	0.000	97	140427	50.0	51.2	
\$ 51 2-Fluorobiphenyl	172	6.600	6.600	0.000	98	560180	50.0	49.9	
52 1,1'-Biphenyl	154	6.700	6.700	0.000	94	569404	50.0	48.1	
53 2-Chloronaphthalene	162	6.718	6.718	0.000	97	431247	50.0	48.8	
54 Phenyl ether	170	6.800	6.800	0.000	84	306804	50.0	50.3	
55 2-Nitroaniline	65	6.824	6.824	0.000	97	140377	50.0	39.8	
57 1,3-Dimethylnaphthalene	156	6.936	6.936	0.000	92	365647	50.0	48.7	
58 Dimethyl phthalate	163	7.012	7.012	0.000	99	395533	50.0	45.8	
59 Coumarin	146	7.030	7.030	0.000	79	129855	50.0	45.5	
60 2,6-Dinitrotoluene	165	7.065	7.065	0.000	96	98567	50.0	47.1	
63 Acenaphthylene	152	7.130	7.130	0.000	98	628194	50.0	46.5	
64 3-Nitroaniline	138	7.230	7.230	0.000	94	99344	50.0	42.7	
* 65 Acenaphthene-d10	164	7.271	7.271	0.000	93	279037	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.300	7.300	0.000	97	411375	50.0	53.7	
67 Acenaphthene	154	7.300	7.300	0.000	94	377813	50.0	43.7	
68 2,4-Dinitrophenol	184	7.336	7.336	0.000	95	115359	100.0	99.4	
69 4-Nitrophenol	65	7.412	7.412	0.000	90	127595	100.0	80.8	
70 2,4-Dinitrotoluene	165	7.465	7.465	0.000	96	114926	50.0	45.2	
71 Dibenzofuran	168	7.471	7.471	0.000	96	544176	50.0	46.8	
72 2,3,4,6-Tetrachlorophenol	232	7.600	7.600	0.000	96	102475	50.0	52.0	
73 Diethyl phthalate	149	7.712	7.712	0.000	99	374068	50.0	47.0	
75 4-Chlorophenyl phenyl ethe	204	7.812	7.812	0.000	79	195967	50.0	49.4	
74 Fluorene	166	7.812	7.812	0.000	95	416861	50.0	46.7	
76 4-Nitroaniline	138	7.841	7.841	0.000	89	87422	50.0	41.6	
77 4,6-Dinitro-2-methylphenol	198	7.871	7.871	0.000	89	129981	100.0	116.0	
78 N-Nitrosodiphenylamine	169	7.935	7.935	0.000	65	576595	100.0	101.4	
79 1,2-Diphenylhydrazine	77	7.971	7.971	0.000	95	376527	50.0	45.4	
\$ 80 2,4,6-Tribromophenol	330	8.053	8.053	0.000	93	75303	50.0	62.9	
81 4-Bromophenyl phenyl ether	248	8.294	8.294	0.000	94	113765	50.0	56.3	
82 Hexachlorobenzene	284	8.359	8.359	0.000	97	126763	50.0	58.5	
84 Pentachlorophenol	266	8.553	8.553	0.000	94	129108	100.0	115.3	
85 Pentachloronitrobenzene	237	8.571	8.571	0.000	91	43091	50.0	58.2	
86 n-Octadecane	57	8.641	8.641	0.000	87	307109	50.0	36.8	
* 87 Phenanthrene-d10	188	8.735	8.735	0.000	99	350124	40.0	40.0	
88 Phenanthrene	178	8.759	8.759	0.000	97	501549	50.0	50.4	
89 Anthracene	178	8.806	8.806	0.000	99	509366	50.0	50.6	
90 Carbazole	167	8.965	8.965	0.000	96	399871	50.0	46.8	

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	9.312	9.312	0.000	99	489411	50.0	48.8	
92 Fluoranthene	202	9.929	9.929	0.000	98	413092	50.0	50.3	
93 Benzidine	184	10.059	10.059	0.000	99	158854	50.0	36.3	
94 Pyrene	202	10.153	10.153	0.000	97	409691	50.0	49.7	
95 Bisphenol-A	213	10.200	10.200	0.000	100	126748	50.0	49.3	
\$ 96 Terphenyl-d14	244	10.312	10.312	0.000	99	312477	50.0	55.5	
97 Butyl benzyl phthalate	149	10.829	10.829	0.000	96	151554	50.0	47.3	
98 2,3,7,8-TCDD	320	10.935	10.935	0.000	87	483	0.5000	0.4928	
99 Carbamazepine	193	10.947	10.947	0.000	92	73174	50.0	34.7	
100 3,3'-Dichlorobenzidine	252	11.441	11.441	0.000	100	93190	50.0	48.9	
101 Benzo[a]anthracene	228	11.471	11.471	0.000	98	277450	50.0	47.9	
* 102 Chrysene-d12	240	11.482	11.482	0.000	99	188152	40.0	40.0	
103 Chrysene	228	11.512	11.512	0.000	99	250581	50.0	50.3	
104 Bis(2-ethylhexyl) phthalat	149	11.518	11.518	0.000	88	200337	50.0	46.3	
105 Di-n-octyl phthalate	149	12.370	12.370	0.000	97	284653	50.0	47.7	
106 Benzo[b]fluoranthene	252	12.865	12.865	0.000	99	217106	50.0	52.7	
107 Benzo[k]fluoranthene	252	12.900	12.900	0.000	99	220951	50.0	50.2	
108 Benzo[a]pyrene	252	13.306	13.306	0.000	97	195736	50.0	51.5	
* 109 Perylene-d12	264	13.382	13.382	0.000	98	138098	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.876	14.876	0.000	99	171799	50.0	59.5	
111 Dibenz(a,h)anthracene	278	14.906	14.906	0.000	97	167776	50.0	55.5	
112 Benzo[g,h,i]perylene	276	15.282	15.282	0.000	99	165345	50.0	53.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

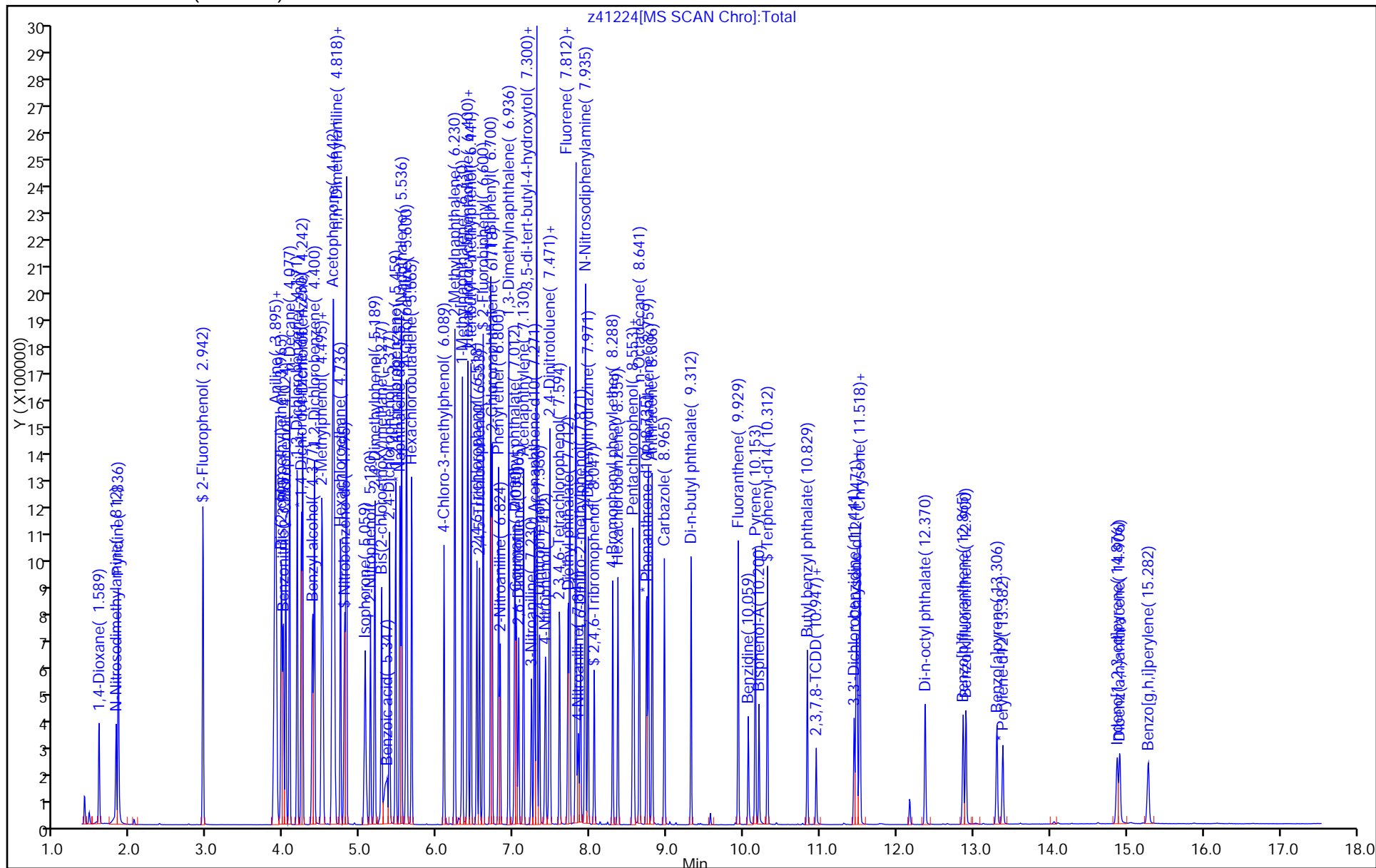
SV_IC_BNA_L6_00017

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160229-37846.b\\z41224.D		
Injection Date:	29-Feb-2016 11:56:30	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.: 460-109447-1
SDG No.: _____
Lab Sample ID: CCV 460-353092/3 Calibration Date: 02/29/2016 12:28
Instrument ID: CBNAMS11 Calib Start Date: 02/23/2016 17:14
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 02/23/2016 19:37
Lab File ID: z41225.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.207	1.082	0.0100	44800	50000	-10.3	20.0
Caprolactam	Ave	0.0929	0.0840	0.0100	45200	50000	-9.5	20.0
Atrazine	Ave	0.2058	0.1967	0.0100	47800	50000	-4.4	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41225.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 29-Feb-2016 12:28:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037846-003
 Misc. Info.: CCV
 Operator ID: Instrument ID: CBNAMS11
 Sublist: chrom-8270_11R_9*sub13
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 15:16:13 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: zhaoc

Date: 29-Feb-2016 13:03:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.783	3.783	0.000	96	288665	50.0	44.8	
* 14 1,4-Dichlorobenzene-d4	152	4.224	4.224	0.000	96	213351	40.0	40.0	
* 38 Naphthalene-d8	136	5.506	5.506	0.000	99	755866	40.0	40.0	
42 Caprolactam	113	5.924	5.924	0.000	91	79405	50.0	45.2	
* 65 Acenaphthene-d10	164	7.265	7.265	0.000	92	355895	40.0	40.0	
83 Atrazine	200	8.459	8.459	0.000	95	116343	50.0	47.8	
* 87 Phenanthrene-d10	188	8.730	8.730	0.000	99	473121	40.0	40.0	
* 102 Chrysene-d12	240	11.476	11.476	0.000	99	240874	40.0	40.0	
* 109 Perylene-d12	264	13.382	13.382	0.000	98	154222	40.0	40.0	

Reagents:

SV_IC-S_L6_00015

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160229-37846.b\\z41225.D

Injection Date: 29-Feb-2016 12:28:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

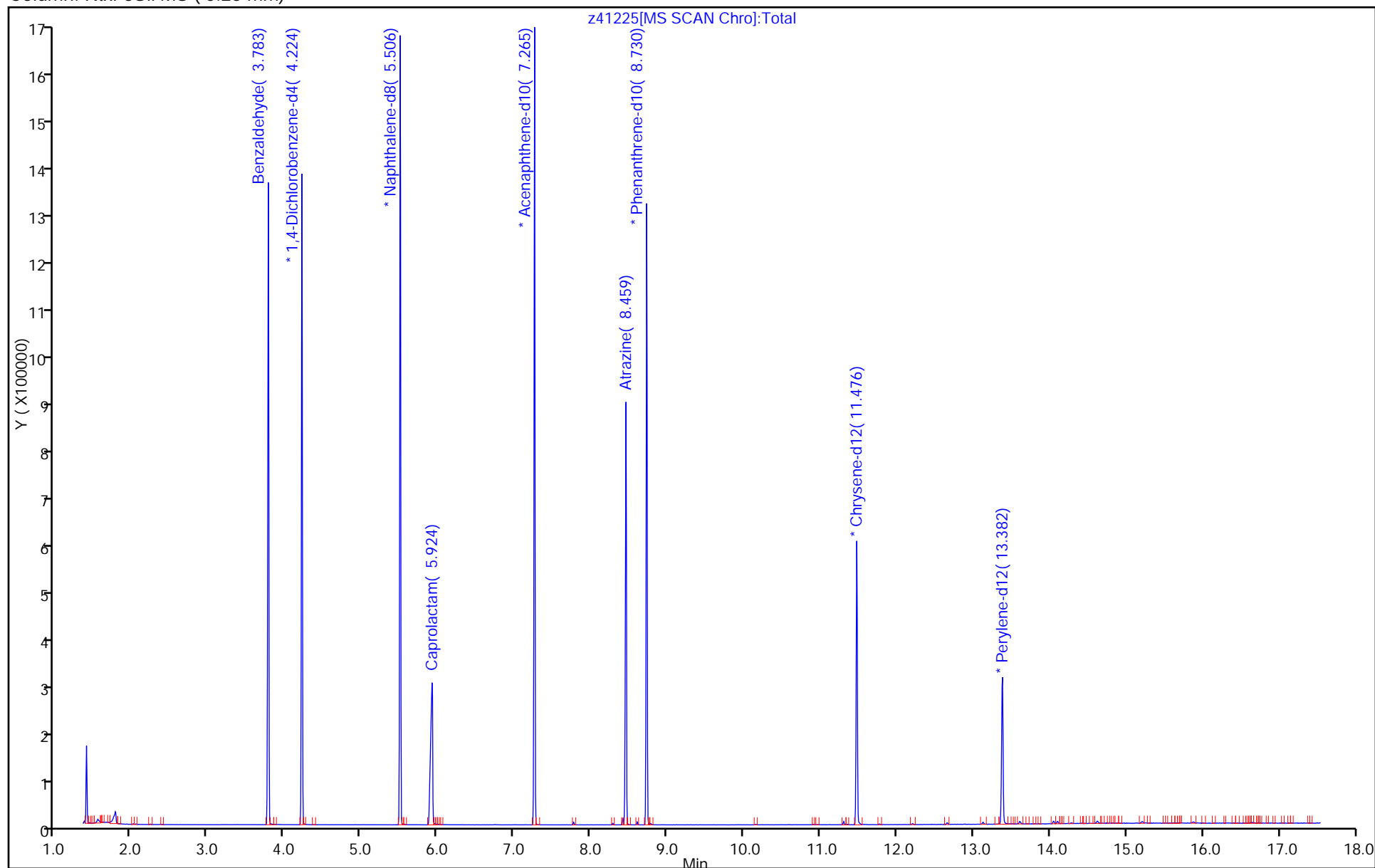
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40936.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 23-Feb-2016 12:54:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037612-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Feb-2016 10:25:31 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: szczecha

Date: 24-Feb-2016 10:25:31

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	5.346	5.346	0.000	93	22489	NR	NR	
56 Benzidine_T	184	7.187	7.187	0.000	100	171813	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	7.428	7.428	0.000	1	117		NR	
126 4,4'-DDD	235	7.869	7.869	0.000	94	1696		NR	
127 4,4'-DDT	235	8.187	8.187	0.000	98	71546	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00014

Amount Added: 1.00

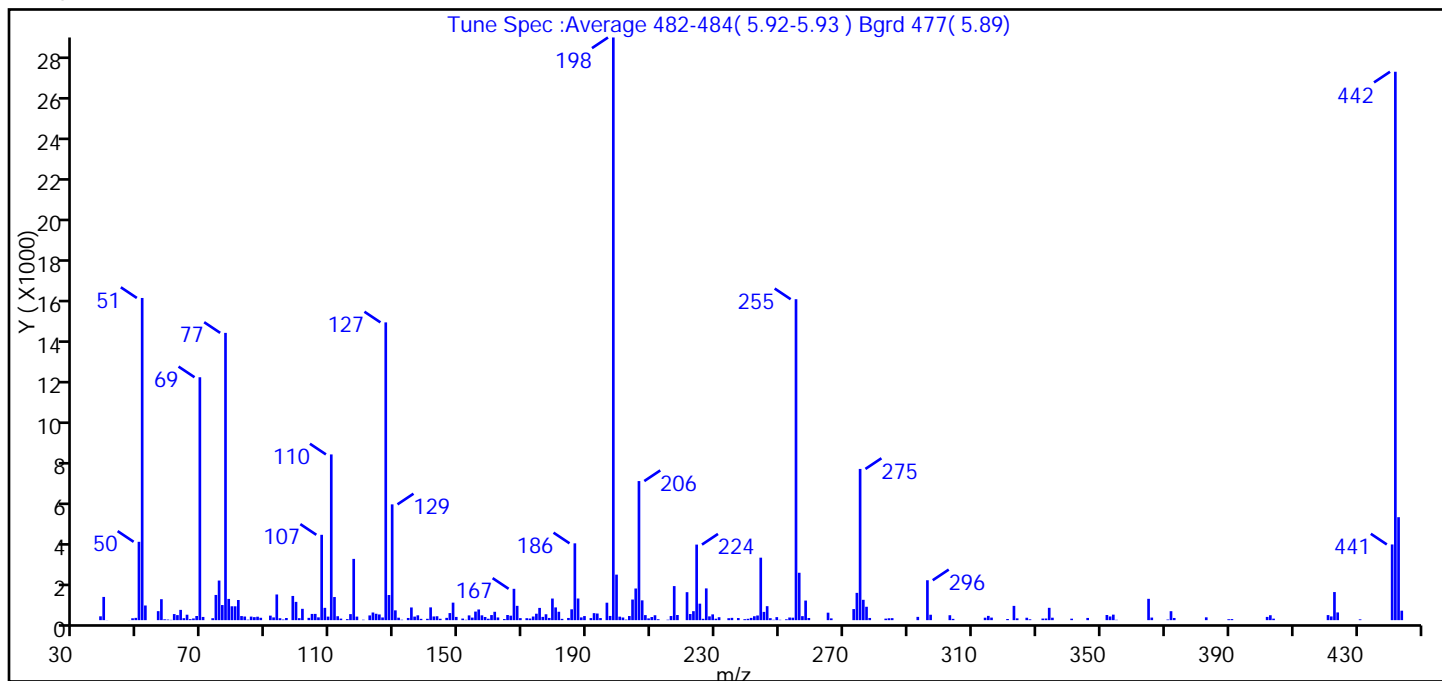
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40936.D
Injection Date: 23-Feb-2016 12:54:30 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	55.3
68	<2% of mass 69	0.7 (1.7)
69	Present	41.7
70	<2% of mass 69	0.5 (1.3)
127	40-60% of mass 198	51.1
197	<1% of mass 198	0.7
199	5-9% of mass 198	7.8
275	10-30% of mass 198	26.0
365	>1% of mass 198	3.7
441	Present but less than mass 443	13.0 (73.5)
442	>40% of mass 198	94.1
443	17-23% of mass 442	17.7 (18.8)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40936.D\8270_11R_9.rsl\spectra.d
Injection Date: 23-Feb-2016 12:54:30
Spectrum: Tune Spec :Average 482-484(5.92-5.93) Bgrd 477(5.89)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 240

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	188	113.00	75	182.00	63	254.00	121
39.00	1138	115.00	50	184.00	107	255.00	15731
40.00	5	116.00	296	185.00	532	256.00	2322
47.00	3	117.00	3003	186.00	3765	257.00	196
48.00	92	118.00	174	187.00	1061	258.00	960
49.00	111	120.00	21	188.00	134	259.00	106
50.00	3840	122.00	231	189.00	200	265.00	366
51.00	15792	123.00	375	191.00	100	266.00	86
52.00	718	124.00	313	192.00	343	273.00	543
56.00	441	125.00	279	193.00	325	274.00	1337
57.00	1027	126.00	132	194.00	102	275.00	7412
58.00	40	127.00	14595	196.00	855	276.00	997
59.00	28	128.00	1231	197.00	206	277.00	656
60.00	15	129.00	5675	198.00	28560	278.00	107
61.00	298	130.00	480	199.00	2231	283.00	74
62.00	247	131.00	120	200.00	171	284.00	92
63.00	503	132.00	20	201.00	130	285.00	98
64.00	96	134.00	107	202.00	27	293.00	160
65.00	266	135.00	622	203.00	202	296.00	1956
66.00	49	136.00	174	204.00	1010	297.00	265
67.00	83	137.00	237	205.00	1551	303.00	241
68.00	203	138.00	64	206.00	6817	304.00	63
69.00	11906	140.00	66	207.00	970	314.00	120
70.00	157	141.00	626	208.00	247	315.00	209
73.00	95	142.00	181	209.00	86	316.00	125
74.00	1235	143.00	191	210.00	153	321.00	56
75.00	1941	144.00	68	211.00	240	323.00	699
76.00	740	146.00	112	212.00	45	324.00	87
77.00	14081	147.00	346	215.00	21	327.00	118
78.00	1041	148.00	858	216.00	202	328.00	41
79.00	680	149.00	158	217.00	1669	332.00	78
80.00	679	151.00	77	218.00	252	333.00	81
81.00	987	152.00	18	221.00	1371	334.00	604

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	200	153.00	233	222.00	300	335.00	119
83.00	178	154.00	125	223.00	440	341.00	72
84.00	24	155.00	420	224.00	3703	346.00	108
85.00	174	156.00	523	225.00	808	352.00	252
86.00	147	157.00	236	226.00	66	353.00	181
87.00	168	158.00	155	227.00	1556	354.00	270
88.00	116	159.00	69	228.00	185	355.00	17
91.00	221	160.00	249	229.00	283	365.00	1045
92.00	134	161.00	410	230.00	70	366.00	126
93.00	1258	162.00	132	231.00	143	371.00	30
94.00	94	164.00	53	234.00	95	372.00	439
95.00	29	165.00	252	235.00	112	373.00	106
96.00	105	166.00	219	237.00	103	383.00	138
98.00	1186	167.00	1536	239.00	47	390.00	45
99.00	895	168.00	701	240.00	66	391.00	52
100.00	98	169.00	99	241.00	110	402.00	158
101.00	555	171.00	95	242.00	192	403.00	241
103.00	112	172.00	79	243.00	228	404.00	73
104.00	304	173.00	178	244.00	3062	421.00	248
105.00	306	174.00	315	245.00	404	422.00	182
106.00	137	175.00	600	246.00	685	423.00	1377
107.00	4183	176.00	160	247.00	96	424.00	378
108.00	603	177.00	289	248.00	17	431.00	39
109.00	173	178.00	108	249.00	148	441.00	3710
110.00	8123	179.00	1059	250.00	17	442.00	26880
111.00	1133	180.00	624	252.00	42	443.00	5046
112.00	192	181.00	411	253.00	129	444.00	464

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40936.D
Injection Date: 23-Feb-2016 12:54:30 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

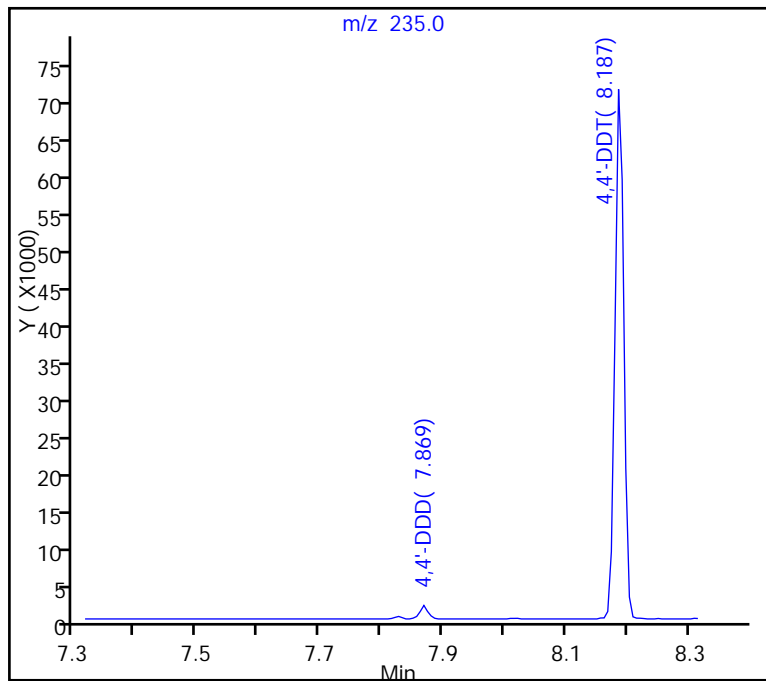
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 71546

126 4,4'-DDD, Area = 1696

125 4,4'-DDE, Area = 117

%Breakdown: 2.47%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40936.D
Injection Date: 23-Feb-2016 12:54:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

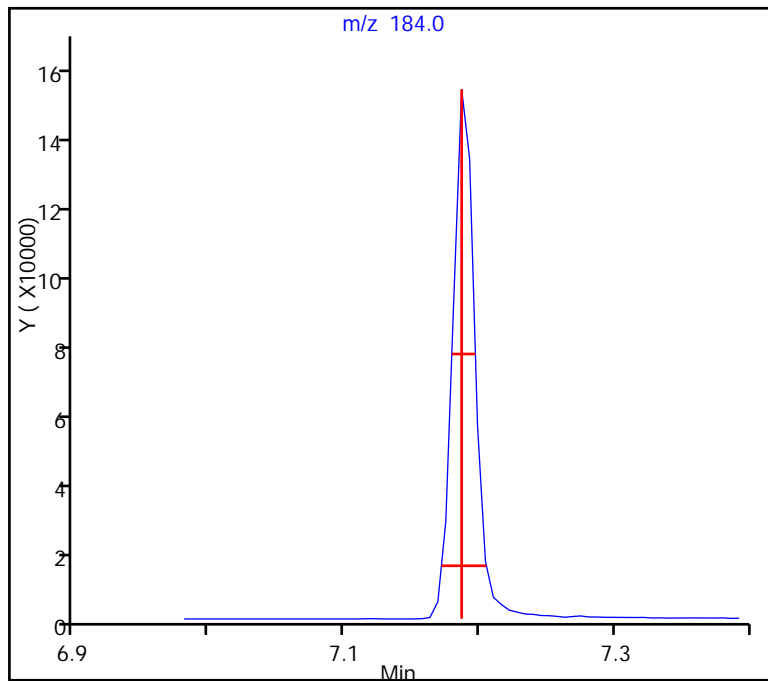
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

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

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40936.D
Injection Date: 23-Feb-2016 12:54:30 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

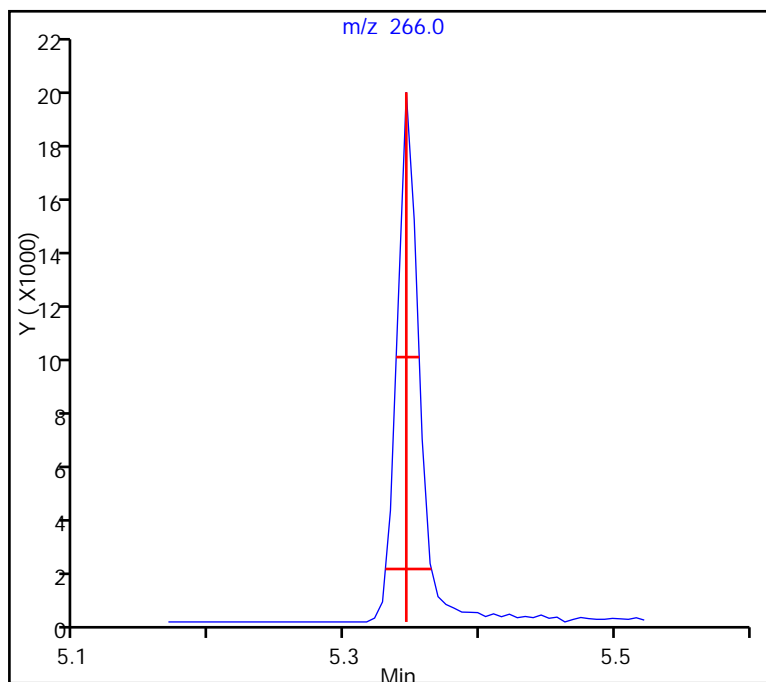
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.019 (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\CBNAMS11\20160228-37822.b\z41193.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 28-Feb-2016 20:16:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037822-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 11:52:30 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: szczecha

Date: 29-Feb-2016 11:52:30

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	5.016	5.016	0.000	94	20189	NR	NR	
56 Benzidine_T	184	6.851	6.851	0.000	99	206599	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.528	7.528	0.000	93	2097		NR	
127 4,4'-DDT	235	7.845	7.845	0.000	98	87146	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00014

Amount Added: 1.00

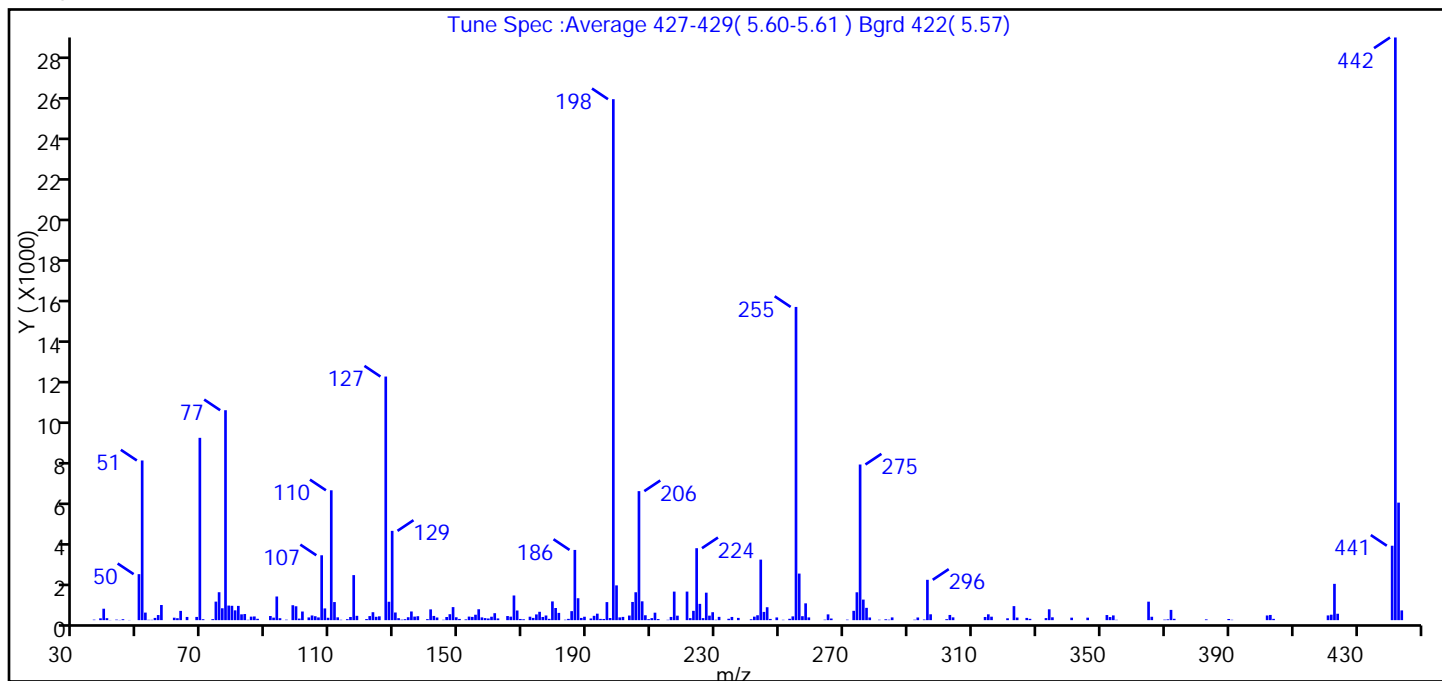
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41193.D
Injection Date: 28-Feb-2016 20:16:30 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	30.6
68	<2% of mass 69	0.6 (1.8)
69	Present	35.0
70	<2% of mass 69	0.2 (0.5)
127	40-60% of mass 198	46.8
197	<1% of mass 198	0.4
199	5-9% of mass 198	6.7
275	10-30% of mass 198	29.9
365	>1% of mass 198	3.5
441	Present but less than mass 443	14.3 (63.3)
442	>40% of mass 198	111.8
443	17-23% of mass 442	22.6 (20.2)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41193.D\8270_11R_9.rsl\spectra.d
Injection Date: 28-Feb-2016 20:16:30
Spectrum: Tune Spec :Average 427-429(5.60-5.61) Bgrd 422(5.57)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	24	115.00	47	186.00	3405	265.00	280
38.00	88	116.00	153	187.00	1063	266.00	78
39.00	554	117.00	2184	188.00	107	271.00	25
40.00	95	118.00	210	189.00	165	273.00	452
41.00	8	121.00	52	191.00	80	274.00	1351
43.00	26	122.00	197	192.00	209	275.00	7547
44.00	9	123.00	385	193.00	314	276.00	997
45.00	45	124.00	162	194.00	61	277.00	597
47.00	8	125.00	186	195.00	57	278.00	129
50.00	2230	127.00	11813	196.00	875	281.00	19
51.00	7743	128.00	892	197.00	103	283.00	42
52.00	366	129.00	4330	198.00	25264	284.00	21
53.00	17	130.00	371	199.00	1686	285.00	133
54.00	17	131.00	96	200.00	134	292.00	22
55.00	108	132.00	24	201.00	157	293.00	129
56.00	247	133.00	46	203.00	223	295.00	30
57.00	734	134.00	141	204.00	882	296.00	1956
61.00	118	135.00	420	205.00	1353	297.00	284
62.00	94	136.00	172	206.00	6256	302.00	47
63.00	449	137.00	191	207.00	913	303.00	252
65.00	155	140.00	49	208.00	237	304.00	136
68.00	156	141.00	522	209.00	48	314.00	153
69.00	8841	142.00	204	210.00	98	315.00	283
70.00	46	143.00	128	211.00	362	316.00	167
73.00	49	145.00	18	212.00	53	321.00	90
74.00	898	146.00	152	215.00	17	323.00	680
75.00	1354	147.00	288	216.00	155	324.00	125
76.00	576	148.00	632	217.00	1384	327.00	108
77.00	10180	149.00	140	218.00	217	328.00	64
78.00	707	150.00	59	221.00	1385	333.00	100
79.00	696	152.00	37	222.00	98	334.00	526
80.00	475	153.00	172	223.00	452	335.00	138
81.00	691	154.00	158	224.00	3489	341.00	120

Report Date: 29-Feb-2016 11:52:32

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41193.D\8270_11R_9.rsl\spectra.d

Injection Date: 28-Feb-2016 20:16:30

Spectrum: Tune Spec :Average 427-429(5.60-5.61) Bgrd 422(5.57)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	282	155.00	263	225.00	789	346.00	120
83.00	296	156.00	528	226.00	98	352.00	247
84.00	17	157.00	134	227.00	1332	353.00	151
85.00	170	158.00	99	228.00	218	354.00	229
86.00	179	159.00	80	229.00	385	355.00	17
87.00	66	160.00	165	230.00	18	365.00	896
91.00	200	161.00	337	231.00	159	366.00	164
92.00	121	162.00	83	234.00	67	370.00	25
93.00	1147	165.00	199	235.00	155	371.00	39
94.00	94	166.00	169	237.00	109	372.00	497
95.00	2	167.00	1196	241.00	42	373.00	65
96.00	23	168.00	468	242.00	169	383.00	38
98.00	724	169.00	57	243.00	237	390.00	56
99.00	673	170.00	43	244.00	2935	391.00	18
100.00	76	172.00	167	245.00	399	402.00	227
101.00	418	173.00	109	246.00	626	403.00	252
103.00	132	174.00	278	247.00	59	404.00	62
104.00	227	175.00	405	249.00	131	421.00	229
105.00	190	176.00	154	251.00	17	422.00	264
106.00	132	177.00	226	253.00	65	423.00	1760
107.00	3146	178.00	63	254.00	183	424.00	310
108.00	569	179.00	908	255.00	15189	441.00	3609
109.00	115	180.00	589	256.00	2258	442.00	28256
110.00	6297	181.00	352	257.00	192	443.00	5699
111.00	877	183.00	21	258.00	815	444.00	473
112.00	136	184.00	62	259.00	133		
113.00	18	185.00	437	264.00	23		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41193.D
Injection Date: 28-Feb-2016 20:16:30 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

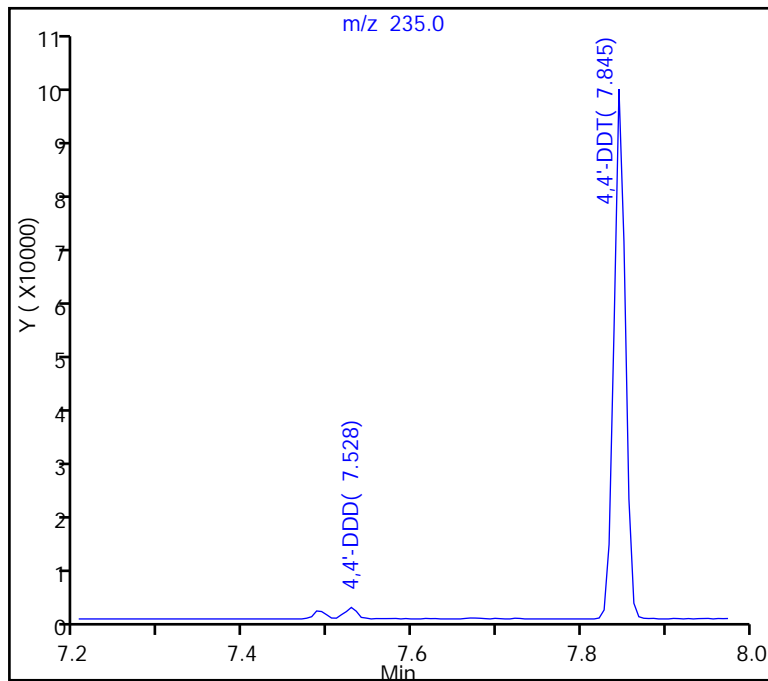
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 87146

126 4,4'-DDD, Area = 2097

125 4,4'-DDE, Area = 0

%Breakdown: 2.35%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41193.D
Injection Date: 28-Feb-2016 20:16:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

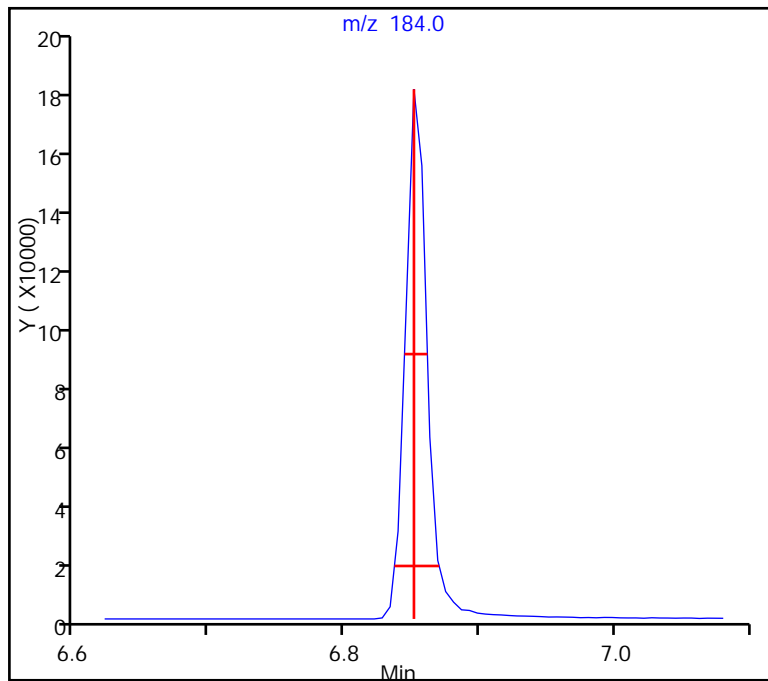
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41193.D

Injection Date: 28-Feb-2016 20:16:30

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 =

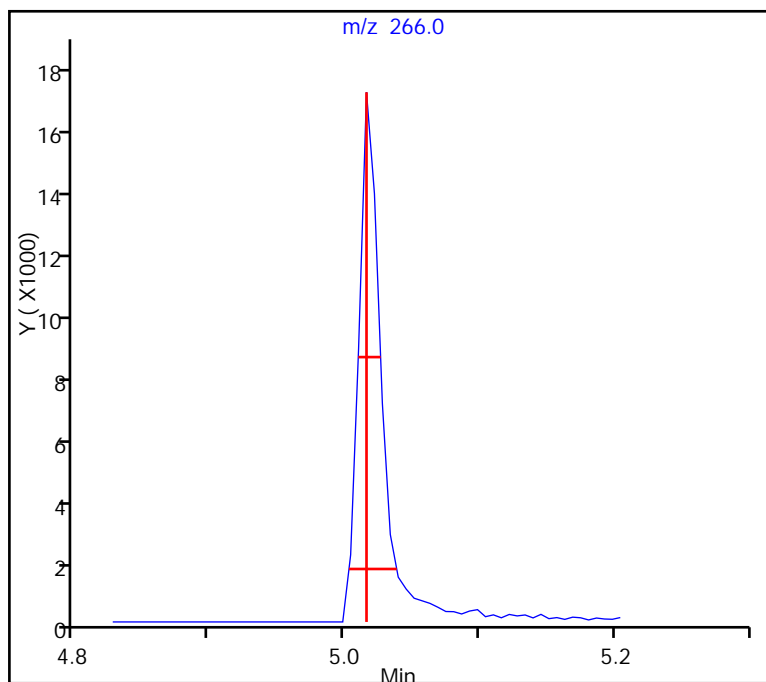
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)

Front Width = 0.013 (min.)

Tailing Factor = 1.7, Max. Tailing < 2.00

Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41223.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 29-Feb-2016 11:32:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037846-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 15:15:52 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: zhaoc

Date: 29-Feb-2016 11:56:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.969	4.969	0.000	94	17444	NR	NR	
56 Benzidine_T	184	6.810	6.810	0.000	99	133897	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	7.051	7.051	0.000	1	283		NR	
126 4,4'-DDD	235	7.481	7.481	0.000	95	2340		NR	M
127 4,4'-DDT	235	7.804	7.804	0.000	99	68099	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SMDFTP_CH_00014

Amount Added: 1.00

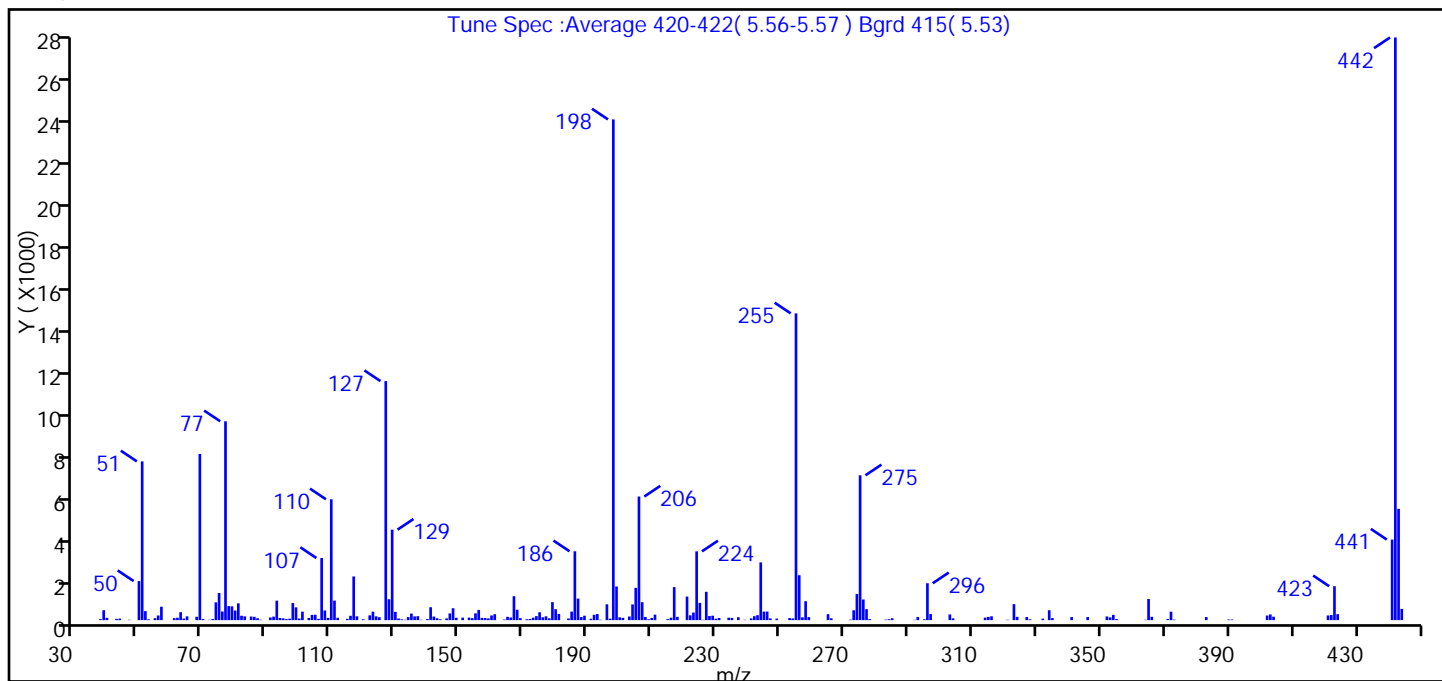
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41223.D
Injection Date: 29-Feb-2016 11:32:30 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	31.7
68	<2% of mass 69	0.7 (2.0)
69	Present	33.2
70	<2% of mass 69	0.2 (0.7)
127	40-60% of mass 198	47.7
197	<1% of mass 198	0.3
199	5-9% of mass 198	6.7
275	10-30% of mass 198	28.9
365	>1% of mass 198	4.2
441	Present but less than mass 443	16.1 (72.4)
442	>40% of mass 198	116.4
443	17-23% of mass 442	22.2 (19.1)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41223.D\8270_11R_9.rsl\spectra.d
Injection Date: 29-Feb-2016 11:32:30
Spectrum: Tune Spec :Average 420-422(5.56-5.57) Bgrd 415(5.53)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 231

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	49	112.00	112	184.00	79	259.00	145
39.00	472	115.00	64	185.00	406	265.00	285
40.00	110	116.00	206	186.00	3268	266.00	87
43.00	61	117.00	2074	187.00	1022	272.00	24
44.00	74	118.00	183	188.00	143	273.00	469
47.00	18	120.00	40	189.00	210	274.00	1244
50.00	1854	122.00	228	191.00	66	275.00	6873
51.00	7534	123.00	402	192.00	252	276.00	982
52.00	428	124.00	181	193.00	291	277.00	523
53.00	41	125.00	139	194.00	19	278.00	49
55.00	94	127.00	11343	196.00	751	283.00	23
56.00	221	128.00	991	197.00	71	284.00	43
57.00	637	129.00	4293	198.00	23760	285.00	89
61.00	96	130.00	393	199.00	1596	292.00	17
62.00	113	131.00	78	200.00	133	293.00	147
63.00	379	132.00	38	201.00	109	295.00	39
64.00	75	133.00	17	203.00	174	296.00	1751
65.00	179	134.00	143	204.00	746	297.00	290
68.00	160	135.00	312	205.00	1532	303.00	271
69.00	7887	136.00	178	206.00	5865	304.00	84
70.00	53	137.00	189	207.00	852	314.00	119
72.00	17	138.00	18	208.00	153	315.00	155
73.00	51	140.00	51	209.00	41	316.00	182
74.00	843	141.00	614	210.00	104	321.00	20
75.00	1288	142.00	170	211.00	261	323.00	760
76.00	409	143.00	90	215.00	48	324.00	157
77.00	9437	144.00	41	216.00	117	327.00	149
78.00	668	146.00	83	217.00	1568	328.00	40
79.00	656	147.00	319	218.00	156	332.00	71
80.00	455	148.00	566	221.00	1118	334.00	471
81.00	796	149.00	113	222.00	229	335.00	97
82.00	208	151.00	119	223.00	360	341.00	143
83.00	178	153.00	120	224.00	3264	346.00	146

Report Date: 29-Feb-2016 15:15:55

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41223.D\8270_11R_9.rsl\spectra.d

Injection Date: 29-Feb-2016 11:32:30

Spectrum: Tune Spec :Average 420-422(5.56-5.57) Bgrd 415(5.53)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 231

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	3	154.00	94	225.00	820	352.00	175
85.00	171	155.00	323	226.00	17	353.00	131
86.00	159	156.00	484	227.00	1345	354.00	251
87.00	93	157.00	108	228.00	196	355.00	52
88.00	19	158.00	102	229.00	211	364.00	17
91.00	126	159.00	83	230.00	68	365.00	1002
92.00	167	160.00	223	231.00	103	366.00	159
93.00	925	161.00	281	234.00	116	371.00	55
94.00	105	164.00	28	235.00	107	372.00	402
95.00	84	165.00	157	237.00	140	373.00	25
96.00	50	166.00	126	239.00	18	383.00	146
97.00	70	167.00	1136	241.00	82	390.00	30
98.00	811	168.00	495	242.00	187	391.00	30
99.00	606	169.00	94	243.00	235	402.00	219
100.00	78	171.00	44	244.00	2739	403.00	270
101.00	402	172.00	55	245.00	404	404.00	164
103.00	103	173.00	119	246.00	406	421.00	222
104.00	249	174.00	191	247.00	83	422.00	244
105.00	256	175.00	374	249.00	73	423.00	1610
106.00	63	176.00	135	253.00	99	424.00	283
107.00	2950	177.00	182	254.00	82	441.00	3823
108.00	457	178.00	85	255.00	14557	442.00	27648
109.00	108	179.00	854	256.00	2131	443.00	5281
110.00	5735	180.00	519	257.00	134	444.00	535
111.00	928	181.00	293	258.00	897		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41223.D
Injection Date: 29-Feb-2016 11:32:30 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

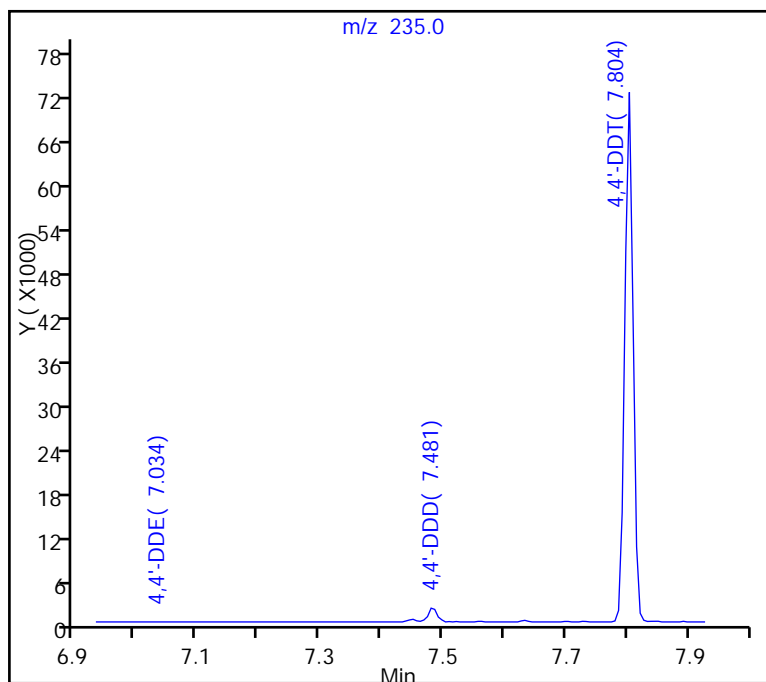
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 68099

126 4,4'-DDD, Area = 2340

125 4,4'-DDE, Area = 283

%Breakdown: 3.71%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41223.D
Injection Date: 29-Feb-2016 11:32:30 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

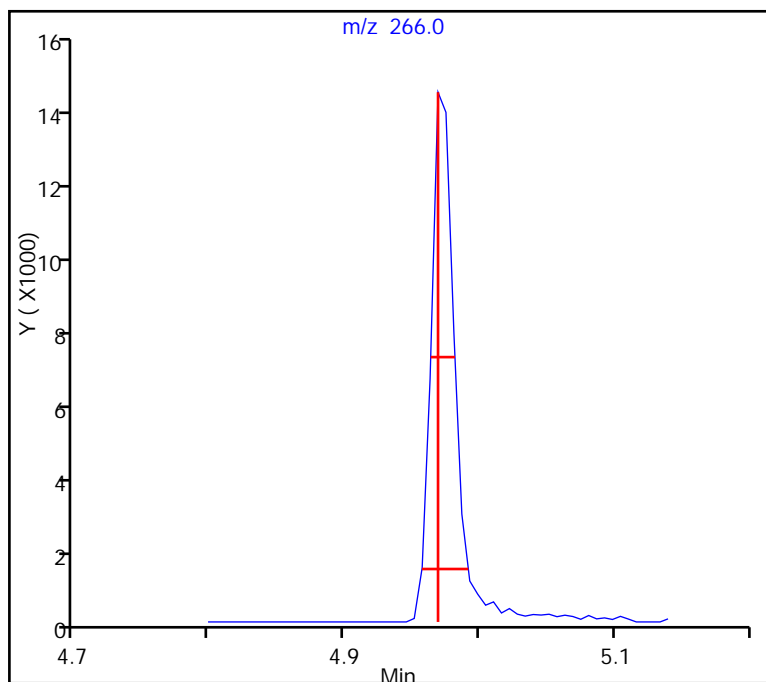
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.022 (min.)

Front Width = 0.012 (min.)

Tailing Factor = 1.9, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41223.D
Injection Date: 29-Feb-2016 11:32:30 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

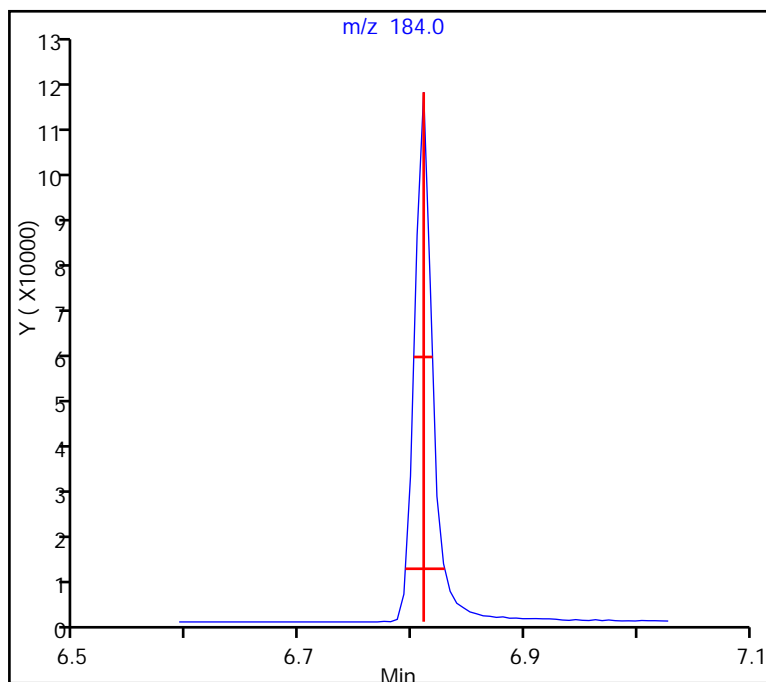
56 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.019 (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>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-352903/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41232.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>02/29/2016 15:26</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>353092</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>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-352903/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41232.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>02/29/2016 15:26</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>353092</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>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-352903/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41232.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>02/29/2016 15:26</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>353092</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		10-95
321-60-8	2-Fluorobiphenyl	69		27-84
367-12-4	2-Fluorophenol (Surr)	66		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	70		28-92
4165-62-2	Phenol-d5 (Surr)	70		22-88
1718-51-0	Terphenyl-d14 (Surr)	86		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41232.D
 Lims ID: MB 460-352903/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 29-Feb-2016 15:26:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037846-010
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 18:42:51 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: bayoumiw

Date: 29-Feb-2016 18:42:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	2.977	2.942	0.035	95	254318	50.0	33.2	
\$ 6 Phenol-d5	99	3.859	3.877	-0.018	85	314102	50.0	34.9	
* 14 1,4-Dichlorobenzene-d4	152	4.224	4.224	0.000	96	212519	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.777	4.795	-0.017	86	281974	50.0	35.2	
* 38 Naphthalene-d8	136	5.506	5.506	0.000	99	798661	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.594	6.600	-0.006	98	551907	50.0	34.5	
* 65 Acenaphthene-d10	164	7.259	7.265	-0.006	93	397028	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.041	8.053	-0.012	93	77362	50.0	45.4	
* 87 Phenanthrene-d10	188	8.730	8.730	0.000	99	555076	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.306	10.312	-0.006	99	377887	50.0	43.0	
* 102 Chrysene-d12	240	11.476	11.476	0.000	99	293522	40.0	40.0	
* 109 Perylene-d12	264	13.376	13.382	-0.006	98	190713	40.0	40.0	

Reagents:

SM_ISTD_00102

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160229-37846.b\\z41232.D

Injection Date: 29-Feb-2016 15:26:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: MB 460-352903/1-A

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

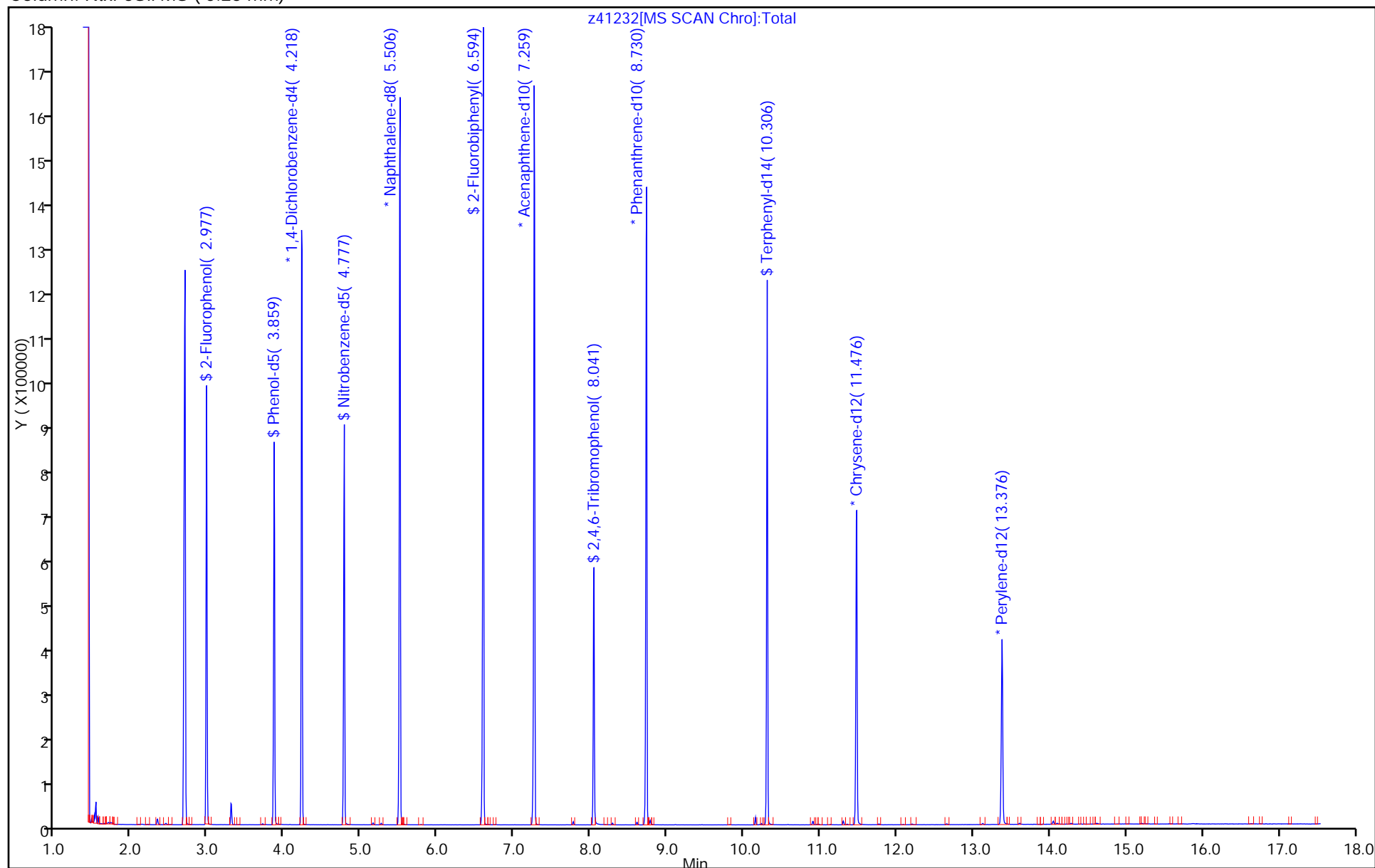
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-352903/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41235.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>02/29/2016 16:41</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353092</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2880		330	28
95-94-3	1,2,4,5-Tetrachlorobenzene	3180		330	25
108-60-1	2,2'-oxybis[1-chloropropane]	1320		330	14
58-90-2	2,3,4,6-Tetrachlorophenol	2960		330	31
95-95-4	2,4,5-Trichlorophenol	2940		330	33
88-06-2	2,4,6-Trichlorophenol	2870		130	9.4
120-83-2	2,4-Dichlorophenol	2880		130	7.8
105-67-9	2,4-Dimethylphenol	2820		330	73
51-28-5	2,4-Dinitrophenol	5460		270	250
121-14-2	2,4-Dinitrotoluene	2730		67	13
606-20-2	2,6-Dinitrotoluene	2870		67	18
91-58-7	2-Chloronaphthalene	2870		330	7.5
95-57-8	2-Chlorophenol	2710		330	8.4
91-57-6	2-Methylnaphthalene	2900		330	7.3
95-48-7	2-Methylphenol	2610		330	14
88-74-4	2-Nitroaniline	2350		330	11
88-75-5	2-Nitrophenol	2980		330	11
91-94-1	3,3'-Dichlorobenzidine	1590		130	37
99-09-2	3-Nitroaniline	1280		330	9.8
534-52-1	4,6-Dinitro-2-methylphenol	6930		270	88
101-55-3	4-Bromophenyl phenyl ether	3690		330	10
59-50-7	4-Chloro-3-methylphenol	3040		330	14
106-47-8	4-Chloroaniline	1080		330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	3020		330	9.9
106-44-5	4-Methylphenol	2610		330	9.0
100-01-6	4-Nitroaniline	2140		330	13
100-02-7	4-Nitrophenol	4870		670	160
83-32-9	Acenaphthene	2610		330	8.0
208-96-8	Acenaphthylene	2820		330	8.5
98-86-2	Acetophenone	2850		330	7.2
120-12-7	Anthracene	3170		330	31
56-55-3	Benzo[a]anthracene	2960		33	28
50-32-8	Benzo[a]pyrene	3270		33	10
205-99-2	Benzo[b]fluoranthene	3250		33	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-352903/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41235.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>02/29/2016 16:41</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353092</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	3650		330	19
207-08-9	Benzo[k]fluoranthene	3050		33	14
111-91-1	Bis(2-chloroethoxy)methane	2870		330	10
111-44-4	Bis(2-chloroethyl)ether	2590		33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	3140		330	13
85-68-7	Butyl benzyl phthalate	3140		330	10
86-74-8	Carbazole	2880		330	8.2
218-01-9	Chrysene	3180		330	9.0
53-70-3	Dibenz(a,h)anthracene	3700		33	17
132-64-9	Dibenzofuran	2840		330	10
84-66-2	Diethyl phthalate	2940		330	9.4
131-11-3	Dimethyl phthalate	2900		330	9.6
84-74-2	Di-n-butyl phthalate	3210		330	9.9
117-84-0	Di-n-octyl phthalate	3250		330	17
206-44-0	Fluoranthene	3100		330	9.8
86-73-7	Fluorene	2830		330	7.2
118-74-1	Hexachlorobenzene	3610		33	13
87-68-3	Hexachlorobutadiene	3300		67	9.3
77-47-4	Hexachlorocyclopentadiene	3130		330	21
67-72-1	Hexachloroethane	2670		33	12
193-39-5	Indeno[1,2,3-cd]pyrene	3930		33	22
78-59-1	Isophorone	2850		130	7.1
91-20-3	Naphthalene	2870		330	8.4
98-95-3	Nitrobenzene	2710		33	10
621-64-7	N-Nitrosodi-n-propylamine	2580		33	11
86-30-6	N-Nitrosodiphenylamine	3260		330	30
87-86-5	Pentachlorophenol	6650		270	40
85-01-8	Phenanthrene	3070		330	8.8
108-95-2	Phenol	2640		330	11
129-00-0	Pyrene	2920		330	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-109447-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-352903/2-A
 Matrix: Solid Lab File ID: z41235.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 02/27/2016 13:26
 Sample wt/vol: 15.0000 (g) Date Analyzed: 02/29/2016 16:41
 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.: 353092 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	101	*	10-95
321-60-8	2-Fluorobiphenyl	83		27-84
367-12-4	2-Fluorophenol (Surr)	72		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	80		28-92
4165-62-2	Phenol-d5 (Surr)	74		22-88
1718-51-0	Terphenyl-d14 (Surr)	95		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41235.D
 Lims ID: LCS 460-352903/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 29-Feb-2016 16:41:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037846-013
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 01-Mar-2016 07:06:12 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: szczecha

Date: 01-Mar-2016 10:07:14

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	1.695	1.589	0.106	97	80031	50.0	25.0	
2 N-Nitrosodimethylamine	74	1.900	1.812	0.088	98	168275	50.0	35.6	
3 Pyridine	79	1.930	1.836	0.094	93	251353	50.0	30.8	
\$ 4 2-Fluorophenol	112	2.977	2.942	0.035	95	270151	50.0	36.0	
\$ 6 Phenol-d5	99	3.877	3.877	0.000	94	325559	50.0	36.9	
7 Phenol	94	3.889	3.895	-0.006	96	351157	50.0	39.7	
8 Aniline	93	3.894	3.900	-0.006	95	298975	50.0	27.1	
9 Bis(2-chloroethyl)ether	93	3.965	3.965	0.000	96	296620	50.0	38.8	
10 Benzonitrile	103	3.994	3.995	-0.001	0	569062	NC	NC	
11 2-Chlorophenol	128	4.024	4.024	0.000	96	297650	50.0	40.6	
12 n-Decane	43	4.071	4.077	-0.006	81	206164	50.0	18.5	
13 1,3-Dichlorobenzene	146	4.171	4.171	0.000	96	333352	50.0	41.4	
* 14 1,4-Dichlorobenzene-d4	152	4.224	4.224	0.000	95	208336	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.241	4.247	-0.006	94	331766	50.0	41.4	
16 Benzyl alcohol	108	4.365	4.377	-0.012	93	181702	50.0	42.2	
17 1,2-Dichlorobenzene	146	4.394	4.400	-0.006	96	314784	50.0	41.8	
18 2-Methylphenol	108	4.488	4.495	-0.007	89	245495	50.0	39.2	
19 2,2'-oxybis[1-chloropropan	45	4.500	4.506	-0.006	91	262366	50.0	19.8	
20 N-Methylaniline	106	4.624	4.630	-0.006	0	445193	NC	NC	
22 Acetophenone	105	4.636	4.642	-0.006	95	352265	50.0	42.8	
21 N-Nitrosodi-n-propylamine	70	4.641	4.647	-0.006	77	192547	50.0	38.8	
23 3 & 4 Methylphenol	108	4.647	4.659	-0.012	89	256697	50.0	39.2	
24 4-Methylphenol	108	4.647	4.659	-0.012	93	256697	50.0	39.2	
25 Hexachloroethane	117	4.730	4.736	-0.006	97	128498	50.0	40.1	
\$ 26 Nitrobenzene-d5	82	4.783	4.795	-0.011	86	286689	50.0	39.8	
27 Nitrobenzene	77	4.806	4.818	-0.012	99	385250	50.0	40.6	
28 n,n'-Dimethylaniline	120	4.812	4.818	-0.006	97	466991	50.0	45.6	
31 Isophorone	82	5.053	5.059	-0.006	98	499254	50.0	42.8	
32 2-Nitrophenol	139	5.124	5.130	-0.006	94	156293	50.0	44.7	
33 2,4-Dimethylphenol	122	5.183	5.189	-0.006	92	238538	50.0	42.3	
34 Bis(2-chloroethoxy)methane	93	5.271	5.277	-0.006	100	318238	50.0	43.1	
35 Benzoic acid	122	5.347	5.347	0.000	84	133304	50.0	40.7	

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	5.377	5.377	0.000	97	214740	50.0	43.2	
37 1,2,4-Trichlorobenzene	180	5.453	5.459	-0.006	95	254668	50.0	44.9	
* 38 Naphthalene-d8	136	5.512	5.506	0.006	99	719309	40.0	40.0	
39 Naphthalene	128	5.530	5.536	-0.006	100	793311	50.0	43.1	
40 4-Chloroaniline	127	5.588	5.594	-0.006	97	119975	50.0	16.2	
41 Hexachlorobutadiene	225	5.665	5.665	0.000	97	148120	50.0	49.5	
43 4-Chloro-3-methylphenol	107	6.088	6.089	-0.001	96	210871	50.0	45.6	
44 2-Methylnaphthalene	142	6.230	6.230	0.000	85	514250	50.0	43.5	
45 1-Methylnaphthalene	142	6.324	6.330	-0.006	93	479103	50.0	46.7	
46 Hexachlorocyclopentadiene	237	6.394	6.394	0.000	97	150268	50.0	46.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.400	6.406	-0.006	98	228560	50.0	47.7	
48 2-tertbutyl-4-methylphenol	149	6.441	6.441	0.000	91	370149	50.0	50.0	
49 2,4,6-Trichlorophenol	196	6.518	6.518	0.000	90	138033	50.0	43.0	
50 2,4,5-Trichlorophenol	196	6.553	6.553	0.000	97	140157	50.0	44.1	
\$ 51 2-Fluorobiphenyl	172	6.594	6.600	-0.006	98	538555	50.0	41.4	
52 1,1'-Biphenyl	154	6.694	6.700	-0.006	95	592479	50.0	43.2	
53 2-Chloronaphthalene	162	6.712	6.718	-0.006	97	441817	50.0	43.1	
54 Phenyl ether	170	6.800	6.800	0.000	83	324991	50.0	46.0	
55 2-Nitroaniline	65	6.818	6.824	-0.006	97	143965	50.0	35.2	
57 1,3-Dimethylnaphthalene	156	6.930	6.936	-0.006	92	395144	50.0	45.4	
58 Dimethyl phthalate	163	7.012	7.012	0.000	99	435527	50.0	43.5	
59 Coumarin	146	7.024	7.030	-0.006	79	145261	50.0	45.3	
60 2,6-Dinitrotoluene	165	7.065	7.065	0.000	94	104510	50.0	43.1	
63 Acenaphthylene	152	7.124	7.130	-0.006	98	663552	50.0	42.4	
64 3-Nitroaniline	138	7.224	7.230	-0.006	94	51691	50.0	19.2	
* 65 Acenaphthene-d10	164	7.265	7.265	0.000	92	323291	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.294	7.300	-0.006	97	435558	50.0	49.0	
67 Acenaphthene	154	7.300	7.300	0.000	94	392212	50.0	39.2	
68 2,4-Dinitrophenol	184	7.335	7.336	-0.001	95	108608	100.0	81.9	
69 4-Nitrophenol	65	7.412	7.412	0.000	90	133596	100.0	73.1	
70 2,4-Dinitrotoluene	165	7.459	7.465	-0.006	96	120514	50.0	40.9	
71 Dibenzofuran	168	7.471	7.471	0.000	95	575092	50.0	42.7	
72 2,3,4,6-Tetrachlorophenol	232	7.594	7.600	-0.006	94	101311	50.0	44.4	
73 Diethyl phthalate	149	7.706	7.712	-0.006	99	406537	50.0	44.1	
75 4-Chlorophenyl phenyl ethe	204	7.806	7.812	-0.006	78	208355	50.0	45.3	
74 Fluorene	166	7.806	7.812	-0.006	95	438911	50.0	42.4	
76 4-Nitroaniline	138	7.835	7.841	-0.006	89	78189	50.0	32.1	
77 4,6-Dinitro-2-methylphenol	198	7.871	7.871	0.000	90	129565	100.0	103.9	
78 N-Nitrosodiphenylamine	169	7.924	7.935	-0.011	64	309361	50.0	48.9	
79 1,2-Diphenylhydrazine	77	7.965	7.971	-0.006	95	414718	50.0	45.0	
\$ 80 2,4,6-Tribromophenol	330	8.047	8.053	-0.006	93	69832	50.0	50.3	
81 4-Bromophenyl phenyl ether	248	8.288	8.294	-0.006	93	124563	50.0	55.3	
82 Hexachlorobenzene	284	8.353	8.359	-0.006	97	130548	50.0	54.2	
84 Pentachlorophenol	266	8.553	8.553	0.000	94	124321	100.0	99.7	
85 Pentachloronitrobenzene	237	8.565	8.571	-0.006	90	48166	50.0	58.4	
86 n-Octadecane	57	8.635	8.641	-0.006	87	316962	50.0	34.1	
* 87 Phenanthrene-d10	188	8.729	8.730	-0.001	99	389704	40.0	40.0	
88 Phenanthrene	178	8.753	8.759	-0.006	97	510356	50.0	46.1	
89 Anthracene	178	8.806	8.806	0.000	99	532240	50.0	47.5	
90 Carbazole	167	8.959	8.965	-0.006	96	411202	50.0	43.2	
91 Di-n-butyl phthalate	149	9.312	9.312	0.000	99	537821	50.0	48.2	
92 Fluoranthene	202	9.923	9.929	-0.006	98	424990	50.0	46.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	10.053	10.059	-0.006	99	91534	50.0	18.8	
94 Pyrene	202	10.147	10.153	-0.006	97	407281	50.0	43.9	
95 Bisphenol-A	213	10.200	10.200	0.000	100	62747	25.0	25.4	
\$ 96 Terphenyl-d14	244	10.306	10.312	-0.006	99	300231	50.0	47.3	
97 Butyl benzyl phthalate	149	10.823	10.829	-0.006	97	170127	50.0	47.2	
99 Carbamazepine	193	10.941	10.947	-0.006	93	116081	50.0	48.8	
100 3,3'-Dichlorobenzidine	252	11.435	11.441	-0.006	99	51099	50.0	23.8	
101 Benzo[a]anthracene	228	11.465	11.471	-0.007	99	290006	50.0	44.4	
* 102 Chrysene-d12	240	11.476	11.476	0.000	99	212054	40.0	40.0	
103 Chrysene	228	11.512	11.512	0.000	99	268222	50.0	47.8	
104 Bis(2-ethylhexyl) phthalat	149	11.512	11.518	-0.006	88	229433	50.0	47.1	
105 Di-n-octyl phthalate	149	12.364	12.370	-0.006	96	337896	50.0	48.7	
106 Benzo[b]fluoranthene	252	12.859	12.865	-0.006	99	233237	50.0	48.7	
107 Benzo[k]fluoranthene	252	12.894	12.900	-0.006	99	233751	50.0	45.8	
108 Benzo[a]pyrene	252	13.300	13.306	-0.006	97	216422	50.0	49.0	
* 109 Perylene-d12	264	13.376	13.382	-0.006	98	160361	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.870	14.876	-0.006	99	197689	50.0	58.9	
111 Dibenz(a,h)anthracene	278	14.900	14.906	-0.006	97	194679	50.0	55.5	
112 Benzo[g,h,i]perylene	276	15.276	15.282	-0.006	98	196873	50.0	54.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00102

Amount Added: 20.00

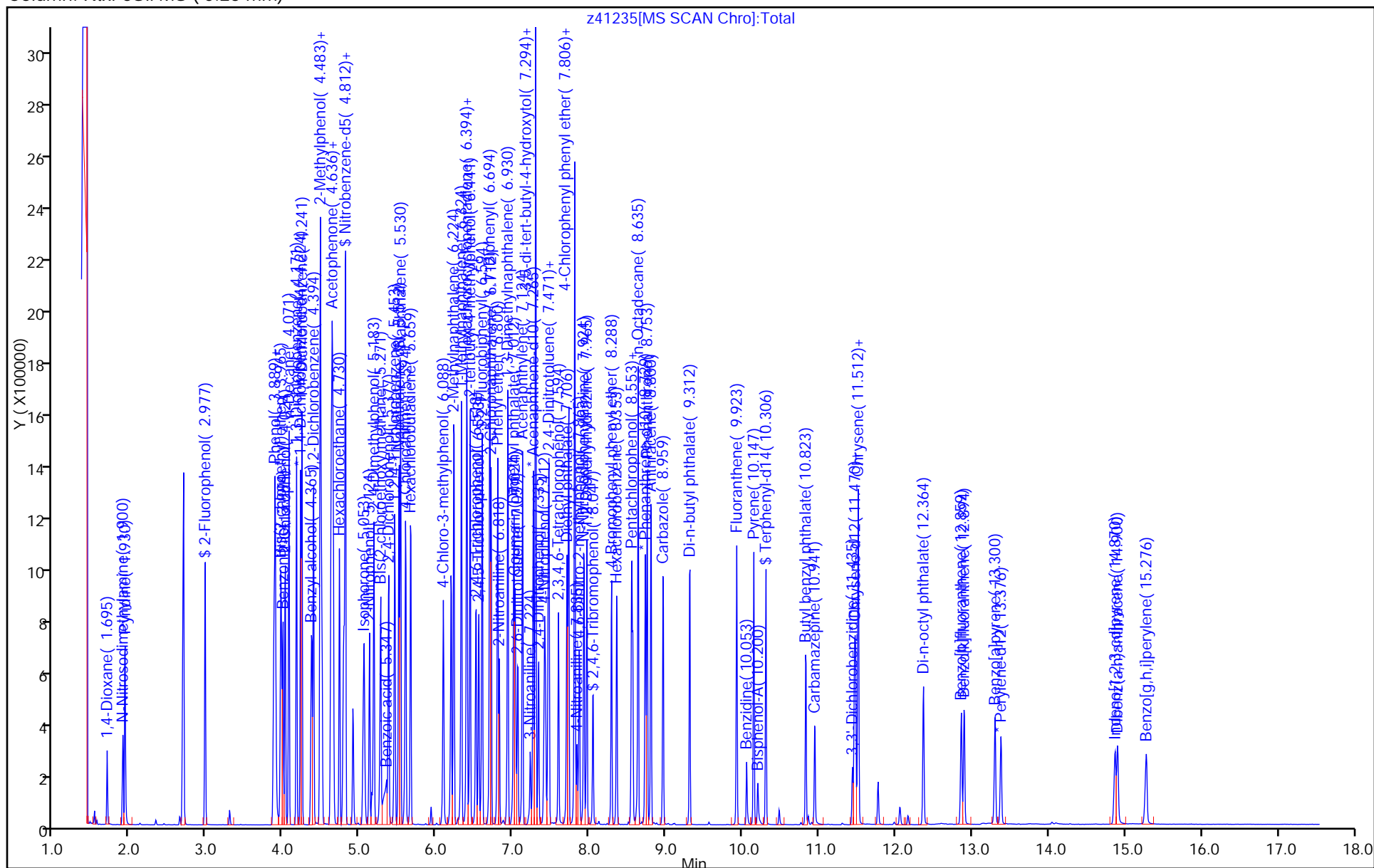
Units: uL

Run Reagent

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41235.D		
Injection Date:	29-Feb-2016 16:41:30	Instrument ID:	CBNAMS11
Lims ID:	LCS 460-352903/2-A		
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)		

Operator ID:
Worklist Smp#: 13

ALS Bottle#: 13



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-109447-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-352903/3-A
 Matrix: Solid Lab File ID: z41234.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 02/27/2016 13:26
 Sample wt/vol: 15.0000 (g) Date Analyzed: 02/29/2016 16:17
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 353092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	7130		130	15
100-52-7	Benzaldehyde	5510		330	25
105-60-2	Caprolactam	6750		330	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102	*	10-95
321-60-8	2-Fluorobiphenyl	86	*	27-84
367-12-4	2-Fluorophenol (Surr)	77		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	85		28-92
4165-62-2	Phenol-d5 (Surr)	79		22-88
1718-51-0	Terphenyl-d14 (Surr)	110		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\z41234.D
 Lims ID: LCS 460-352903/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 29-Feb-2016 16:17:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037846-012
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160229-37846.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 01-Mar-2016 07:06:12 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: szczecha

Date: 01-Mar-2016 10:06:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	2.977	2.942	0.035	94	289552	50.0	38.7	
5 Benzaldehyde	77	3.794	3.783	0.011	96	519042	100.0	82.7	
\$ 6 Phenol-d5	99	3.865	3.877	-0.012	85	348751	50.0	39.6	
* 14 1,4-Dichlorobenzene-d4	152	4.218	4.224	-0.006	96	207900	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.777	4.795	-0.017	86	320466	50.0	42.7	
* 38 Naphthalene-d8	136	5.506	5.506	0.000	99	748877	40.0	40.0	
42 Caprolactam	113	5.947	5.924	0.023	91	176110	100.0	101.2	
\$ 51 2-Fluorobiphenyl	172	6.594	6.600	-0.006	98	613406	50.0	42.9	
* 65 Acenaphthene-d10	164	7.259	7.265	-0.006	92	355054	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.041	8.053	-0.012	92	77825	50.0	51.1	
83 Atrazine	200	8.465	8.459	0.006	95	251339	100.0	107.0	
* 87 Phenanthrene-d10	188	8.729	8.730	-0.001	99	456634	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.306	10.312	-0.006	99	392186	50.0	54.8	
* 102 Chrysene-d12	240	11.476	11.476	0.000	99	238975	40.0	40.0	
* 109 Perylene-d12	264	13.376	13.382	-0.006	98	165916	40.0	40.0	

Reagents:

SM_ISTD_00102 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160229-37846.b\\z41234.D

Injection Date: 29-Feb-2016 16:17:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: LCS 460-352903/3-A

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

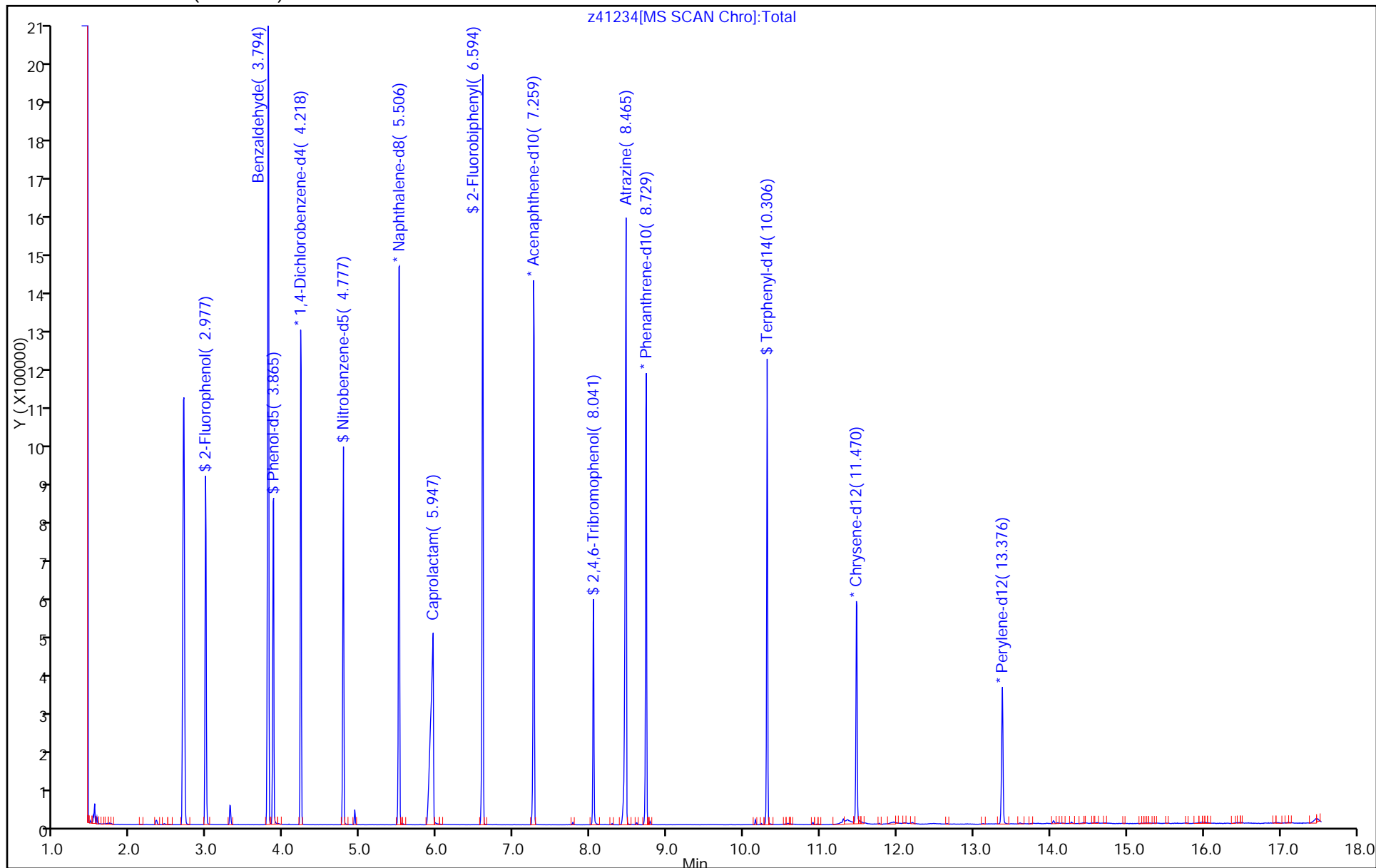
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109399-E-4-A MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41209.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/25/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0367(g)</u>	Date Analyzed: <u>02/29/2016 03:02</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>8.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2450		360	31
95-94-3	1,2,4,5-Tetrachlorobenzene	2740		360	27
108-60-1	2,2'-oxybis[1-chloropropane]	1240		360	15
58-90-2	2,3,4,6-Tetrachlorophenol	1810		360	34
95-95-4	2,4,5-Trichlorophenol	1930		360	36
88-06-2	2,4,6-Trichlorophenol	2170		140	10
120-83-2	2,4-Dichlorophenol	2350		140	8.5
105-67-9	2,4-Dimethylphenol	2510		360	79
51-28-5	2,4-Dinitrophenol	331		290	270
121-14-2	2,4-Dinitrotoluene	2520		73	14
606-20-2	2,6-Dinitrotoluene	2570		73	19
91-58-7	2-Chloronaphthalene	2500		360	8.2
95-57-8	2-Chlorophenol	2380		360	9.2
91-57-6	2-Methylnaphthalene	2690		360	8.0
95-48-7	2-Methylphenol	2360		360	16
88-74-4	2-Nitroaniline	2090		360	12
88-75-5	2-Nitrophenol	1740		360	12
91-94-1	3,3'-Dichlorobenzidine	1810		140	40
99-09-2	3-Nitroaniline	1640		360	11
534-52-1	4,6-Dinitro-2-methylphenol	1180		290	96
101-55-3	4-Bromophenyl phenyl ether	3130		360	11
59-50-7	4-Chloro-3-methylphenol	2710		360	15
106-47-8	4-Chloroaniline	983		360	9.3
7005-72-3	4-Chlorophenyl phenyl ether	2710		360	11
106-44-5	4-Methylphenol	2600		360	9.8
100-01-6	4-Nitroaniline	2000		360	14
100-02-7	4-Nitrophenol	3320		730	170
83-32-9	Acenaphthene	2390		360	8.7
208-96-8	Acenaphthylene	2530		360	9.3
98-86-2	Acetophenone	2700		360	7.8
120-12-7	Anthracene	2810		360	34
1912-24-9	Atrazine	6000		140	16
100-52-7	Benzaldehyde	4290		360	27
56-55-3	Benzo[a]anthracene	2810		36	30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109399-E-4-A MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41209.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/25/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0367(g)</u>	Date Analyzed: <u>02/29/2016 03:02</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>8.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	3000		36	11
205-99-2	Benzo[b]fluoranthene	3130		36	14
191-24-2	Benzo[g,h,i]perylene	3020		360	21
207-08-9	Benzo[k]fluoranthene	2870		36	16
111-91-1	Bis(2-chloroethoxy)methane	2540		360	11
111-44-4	Bis(2-chloroethyl)ether	2310		36	8.5
117-81-7	Bis(2-ethylhexyl) phthalate	2680		360	14
85-68-7	Butyl benzyl phthalate	2730		360	11
105-60-2	Caprolactam	3650		360	26
86-74-8	Carbazole	2510		360	8.9
218-01-9	Chrysene	3010		360	9.8
53-70-3	Dibenz(a,h)anthracene	2970		36	19
132-64-9	Dibenzofuran	2540		360	11
84-66-2	Diethyl phthalate	2690		360	10
131-11-3	Dimethyl phthalate	2630		360	10
84-74-2	Di-n-butyl phthalate	2750		360	11
117-84-0	Di-n-octyl phthalate	2890		360	18
206-44-0	Fluoranthene	3230		360	11
86-73-7	Fluorene	2590		360	7.8
118-74-1	Hexachlorobenzene	3100		36	15
87-68-3	Hexachlorobutadiene	2870		73	10
77-47-4	Hexachlorocyclopentadiene	2490		360	22
67-72-1	Hexachloroethane	2400		36	13
193-39-5	Indeno[1,2,3-cd]pyrene	3320		36	24
78-59-1	Isophorone	2560		140	7.7
91-20-3	Naphthalene	2610		360	9.2
98-95-3	Nitrobenzene	2340		36	11
621-64-7	N-Nitrosodi-n-propylamine	2390		36	12
86-30-6	N-Nitrosodiphenylamine	2770		360	33
87-86-5	Pentachlorophenol	1950		290	44
85-01-8	Phenanthrene	3110		360	9.6
108-95-2	Phenol	2360		360	12
129-00-0	Pyrene	3020		360	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109399-E-4-A MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41209.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/25/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0367(g)</u>	Date Analyzed: <u>02/29/2016 03:02</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>8.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	70		10-95
321-60-8	2-Fluorobiphenyl	66		27-84
367-12-4	2-Fluorophenol (Surr)	57		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	65		28-92
4165-62-2	Phenol-d5 (Surr)	63		22-88
1718-51-0	Terphenyl-d14 (Surr)	78		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41209.D
 Lims ID: 460-109399-E-4-A MS
 Client ID:
 Sample Type: MS
 Inject. Date: 29-Feb-2016 03:02:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037822-017
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 01-Mar-2016 11:23:11 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK030

First Level Reviewer: szczecha

Date: 07-Mar-2016 12:52:12

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	1.707	1.606	0.100	96	66872	50.0	21.7	
2 N-Nitrosodimethylamine	74	1.912	1.830	0.082	97	134981	50.0	29.7	
3 Pyridine	79	1.942	1.859	0.083	92	76061	50.0	9.69	
\$ 4 2-Fluorophenol	112	3.118	2.977	0.141	95	205986	50.0	28.5	
5 Benzaldehyde	77	3.865	3.818	0.047	96	357020	100.0	59.0	
\$ 6 Phenol-d5	99	3.936	3.906	0.030	87	267974	50.0	31.6	
7 Phenol	94	3.948	3.924	0.024	97	277112	50.0	32.5	
8 Aniline	93	3.965	3.936	0.029	97	150847	50.0	14.2	
9 Bis(2-chloroethyl)ether	93	4.024	4.000	0.024	96	233469	50.0	31.8	
10 Benzonitrile	103	4.042	4.024	0.018	0	460800	NC	NC	
11 2-Chlorophenol	128	4.089	4.059	0.030	96	231279	50.0	32.8	
12 n-Decane	43	4.112	4.106	0.006	81	167551	50.0	15.6	
13 1,3-Dichlorobenzene	146	4.224	4.206	0.018	96	261258	50.0	33.7	
* 14 1,4-Dichlorobenzene-d4	152	4.283	4.259	0.024	96	200505	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.295	4.283	0.012	94	265690	50.0	34.5	
16 Benzyl alcohol	108	4.418	4.406	0.012	94	150677	50.0	36.4	
17 1,2-Dichlorobenzene	146	4.448	4.436	0.012	96	251610	50.0	34.7	
18 2-Methylphenol	108	4.536	4.524	0.012	86	196340	50.0	32.6	
19 2,2'-oxybis[1-chloropropan	45	4.553	4.541	0.012	93	218227	50.0	17.1	
20 N-Methylaniline	106	4.671	4.665	0.006	0	339977	NC	NC	
22 Acetophenone	105	4.683	4.677	0.006	93	294918	50.0	37.2	
21 N-Nitrosodi-n-propylamine	70	4.689	4.677	0.012	75	157580	50.0	33.0	
23 3 & 4 Methylphenol	108	4.695	4.689	0.006	97	225635	50.0	35.8	
24 4-Methylphenol	108	4.695	4.689	0.006	94	225635	50.0	35.8	
25 Hexachloroethane	117	4.783	4.771	0.012	97	101743	50.0	33.0	
\$ 26 Nitrobenzene-d5	82	4.836	4.824	0.012	86	239676	50.0	32.5	
27 Nitrobenzene	77	4.853	4.847	0.006	95	312971	50.0	32.2	
28 n,n'-Dimethylaniline	120	4.853	4.847	0.006	93	375056	50.0	38.1	
29 2-Toluidine	107	4.965	4.947	0.018	43	982		NC	
31 Isophorone	82	5.089	5.089	0.001	98	419465	50.0	35.2	
32 2-Nitrophenol	139	5.171	5.165	0.006	95	85390	50.0	23.9	
33 2,4-Dimethylphenol	122	5.224	5.218	0.006	92	199524	50.0	34.6	

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	5.312	5.306	0.006	99	263912	50.0	34.9	
35 Benzoic acid	122	5.383	5.353	0.030	2	144	50.0	1.64	
36 2,4-Dichlorophenol	162	5.418	5.412	0.006	97	164546	50.0	32.4	
37 1,2,4-Trichlorobenzene	180	5.494	5.494	0.000	95	206268	50.0	35.5	
* 38 Naphthalene-d8	136	5.553	5.542	0.011	99	735699	40.0	40.0	
39 Naphthalene	128	5.571	5.571	0.000	100	675960	50.0	35.9	
40 4-Chloroaniline	127	5.630	5.630	0.000	96	102301	50.0	13.5	
41 Hexachlorobutadiene	225	5.706	5.700	0.006	96	120893	50.0	39.5	
42 Caprolactam	113	5.994	5.953	0.041	91	85755	100.0	50.2	M
43 4-Chloro-3-methylphenol	107	6.142	6.124	0.018	97	176019	50.0	37.3	
44 2-Methylnaphthalene	142	6.271	6.265	0.006	86	447510	50.0	37.0	
45 1-Methylnaphthalene	142	6.365	6.365	0.000	93	414971	50.0	39.5	
46 Hexachlorocyclopentadiene	237	6.436	6.430	0.006	97	118353	50.0	34.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.441	6.441	0.000	97	196854	50.0	37.7	
48 2-tertbutyl-4-methylphenol	149	6.483	6.477	0.006	91	314487	50.0	41.5	
49 2,4,6-Trichlorophenol	196	6.559	6.553	0.006	90	104797	50.0	29.9	
50 2,4,5-Trichlorophenol	196	6.600	6.588	0.012	97	92300	50.0	26.6	
\$ 51 2-Fluorobiphenyl	172	6.636	6.635	0.001	98	469394	50.0	33.0	
52 1,1'-Biphenyl	154	6.736	6.735	0.001	95	506386	50.0	33.8	
53 2-Chloronaphthalene	162	6.753	6.753	0.000	97	384302	50.0	34.3	
54 Phenyl ether	170	6.841	6.841	0.000	83	281355	50.0	36.5	
55 2-Nitroaniline	65	6.859	6.859	0.000	96	128226	50.0	28.7	
57 1,3-Dimethylnaphthalene	156	6.977	6.971	0.006	92	353066	50.0	37.2	
58 Dimethyl phthalate	163	7.047	7.041	0.006	99	396277	50.0	36.2	
59 Coumarin	146	7.065	7.059	0.006	79	133753	50.0	40.8	
60 2,6-Dinitrotoluene	165	7.100	7.100	0.000	94	93876	50.0	35.4	
61 1-Naphthylamine	143	7.130	7.151	-0.021	62	254		NC	
62 2-Naphthylamine	143	7.206	7.151	0.055	14	202		NC	
63 Acenaphthylene	152	7.165	7.165	0.000	98	594450	50.0	34.8	
64 3-Nitroaniline	138	7.265	7.265	0.000	95	66552	50.0	22.6	
* 65 Acenaphthene-d10	164	7.306	7.300	0.006	92	352967	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.336	7.330	0.006	97	372600	50.0	38.4	
67 Acenaphthene	154	7.341	7.335	0.006	94	359942	50.0	32.9	
68 2,4-Dinitrophenol	184	7.371	7.371	0.000	95	4568	100.0	4.55	
69 4-Nitrophenol	65	7.447	7.447	0.000	89	91375	100.0	45.8	
70 2,4-Dinitrotoluene	165	7.500	7.494	0.006	96	111351	50.0	34.6	
71 Dibenzofuran	168	7.512	7.506	0.006	96	514422	50.0	34.9	
72 2,3,4,6-Tetrachlorophenol	232	7.636	7.635	0.001	95	62138	50.0	24.9	
73 Diethyl phthalate	149	7.741	7.741	0.000	99	372219	50.0	37.0	
75 4-Chlorophenyl phenyl ethe	204	7.847	7.847	0.000	78	187356	50.0	37.3	
74 Fluorene	166	7.847	7.847	0.000	96	403550	50.0	35.7	
76 4-Nitroaniline	138	7.877	7.871	0.006	89	73090	50.0	27.5	
77 4,6-Dinitro-2-methylphenol	198	7.906	7.906	0.000	89	23336	100.0	16.2	
78 N-Nitrosodiphenylamine	169	7.965	7.971	-0.006	65	278766	50.0	38.1	
79 1,2-Diphenylhydrazine	77	8.006	8.006	0.000	95	378996	50.0	35.6	
\$ 80 2,4,6-Tribromophenol	330	8.088	8.088	0.000	93	53123	50.0	35.1	
81 4-Bromophenyl phenyl ether	248	8.330	8.329	0.001	92	112082	50.0	43.1	
82 Hexachlorobenzene	284	8.400	8.400	0.000	96	118849	50.0	42.7	
83 Atrazine	200	8.506	8.494	0.012	95	191148	100.0	82.6	
84 Pentachlorophenol	266	8.594	8.594	0.000	94	38606	100.0	26.8	
85 Pentachloronitrobenzene	237	8.606	8.606	0.000	90	42376	50.0	44.5	
86 n-Octadecane	57	8.677	8.677	0.001	87	289058	50.0	26.9	

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	8.771	8.771	0.000	99	450038	40.0	40.0	
88 Phenanthrene	178	8.800	8.794	0.006	97	547407	50.0	42.8	
89 Anthracene	178	8.847	8.847	0.000	98	501133	50.0	38.7	
90 Carbazole	167	9.006	9.006	0.000	96	380611	50.0	34.6	
91 Di-n-butyl phthalate	149	9.353	9.353	0.000	99	487627	50.0	37.8	
92 Fluoranthene	202	9.971	9.971	0.000	98	469870	50.0	44.5	
93 Benzidine	184	10.094	10.100	-0.006	98	2684	50.0	0.4772	
94 Pyrene	202	10.194	10.194	0.000	98	442488	50.0	41.6	
95 Bisphenol-A	213	10.241	10.241	0.000	100	55062	25.0	20.9	
\$ 96 Terphenyl-d14	244	10.353	10.353	0.000	99	284733	50.0	39.1	
97 Butyl benzyl phthalate	149	10.876	10.876	0.000	96	155389	50.0	37.6	
99 Carbamazepine	193	10.994	10.994	0.000	93	83023	50.0	30.5	
100 3,3'-Dichlorobenzidine	252	11.488	11.488	0.000	100	61136	50.0	24.9	
101 Benzo[a]anthracene	228	11.518	11.518	0.000	98	289382	50.0	38.7	
* 102 Chrysene-d12	240	11.535	11.529	0.006	99	242925	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.565	11.565	0.000	88	205737	50.0	36.9	
103 Chrysene	228	11.565	11.565	0.000	99	266745	50.0	41.5	
105 Di-n-octyl phthalate	149	12.423	12.423	0.000	97	301596	50.0	39.9	
106 Benzo[b]fluoranthene	252	12.923	12.923	0.000	99	225151	50.0	43.1	
107 Benzo[k]fluoranthene	252	12.959	12.959	0.000	99	220413	50.0	39.5	
108 Benzo[a]pyrene	252	13.365	13.364	0.001	97	198633	50.0	41.2	
* 109 Perylene-d12	264	13.447	13.441	0.006	98	175005	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.947	14.947	0.000	99	167219	50.0	45.7	
111 Dibenz(a,h)anthracene	278	14.982	14.982	0.000	97	156666	50.0	40.9	
112 Benzo[g,h,i]perylene	276	15.364	15.364	0.000	98	163049	50.0	41.6	
S 119 Total Cresols	1				0			68.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00102

Amount Added: 20.00

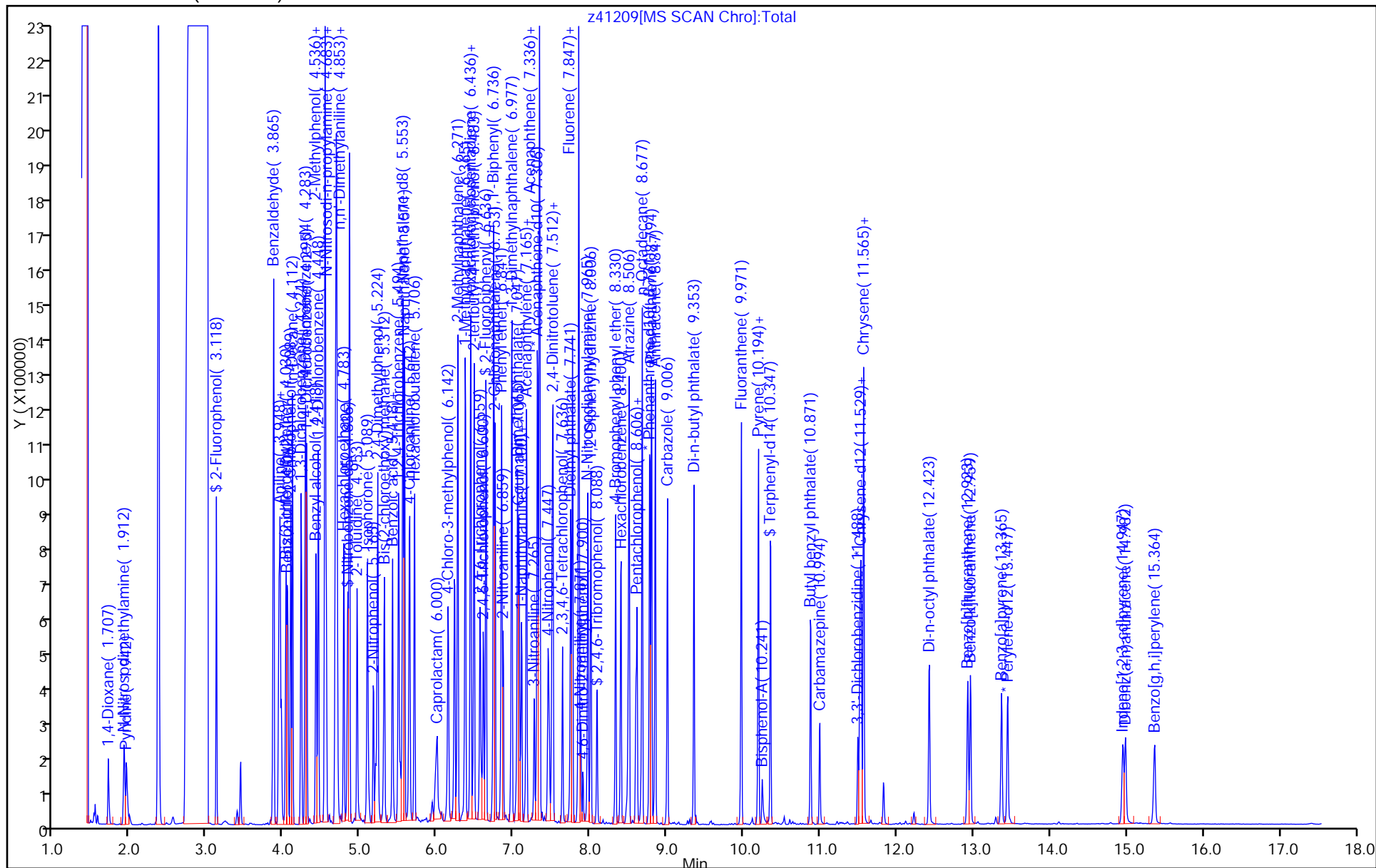
Units: uL

Run Reagent

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41209.D		
Injection Date:	29-Feb-2016 03:02:30	Instrument ID:	CBNAMS11
Lims ID:	460-109399-E-4-A MS		
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)		

Operator ID:
Worklist Smp#: 17

ALS Bottle#: 17



TestAmerica Edison

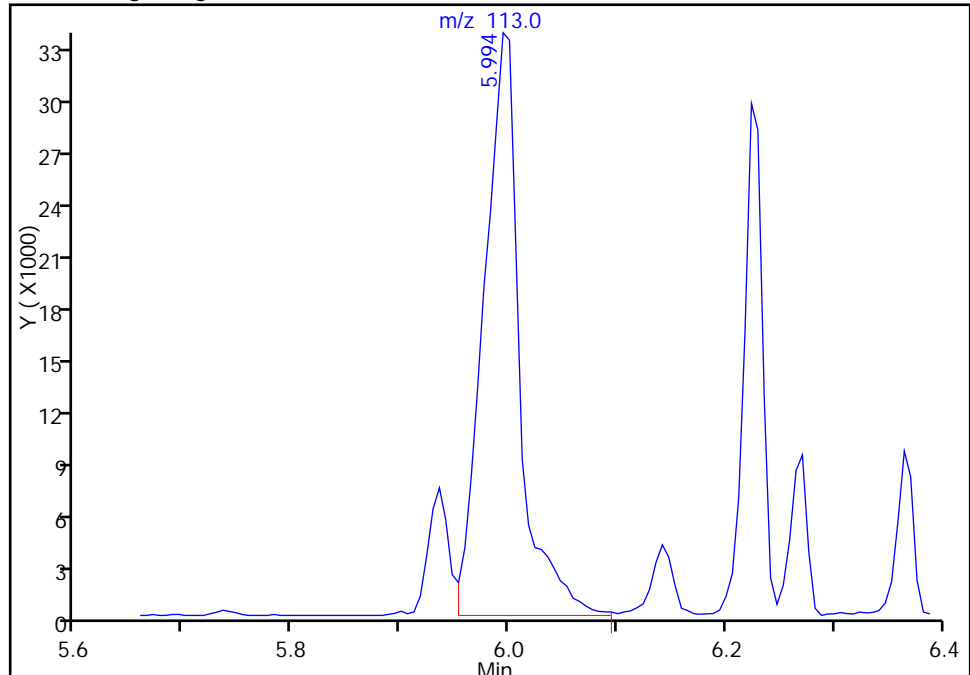
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Injection Date: 29-Feb-2016 03:02:30 Instrument ID: CBNAMS11
Lims ID: 460-109399-E-4-A MS
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 17 Worklist Smp#: 17
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

42 Caprolactam, CAS: 105-60-2

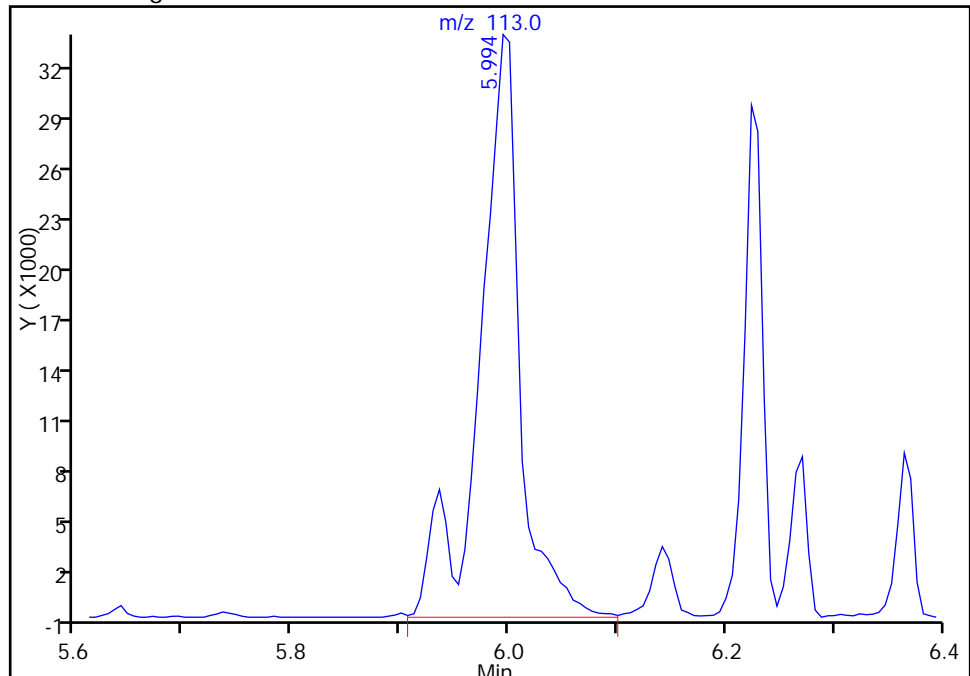
RT: 5.99
Area: 76595
Amount: 44.822318
Amount Units: ug/ml

Processing Integration Results



RT: 5.99
Area: 85755
Amount: 50.182621
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 29-Feb-2016 12:04:46
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109399-E-4-B MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41210.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/25/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0335(g)</u>	Date Analyzed: <u>02/29/2016 03:25</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: <u>8.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	3160		360	31
95-94-3	1,2,4,5-Tetrachlorobenzene	3470		360	27
108-60-1	2,2'-oxybis[1-chloropropane]	1530		360	15
58-90-2	2,3,4,6-Tetrachlorophenol	2280		360	34
95-95-4	2,4,5-Trichlorophenol	2490		360	36
88-06-2	2,4,6-Trichlorophenol	2740		140	10
120-83-2	2,4-Dichlorophenol	3030		140	8.5
105-67-9	2,4-Dimethylphenol	3220		360	79
51-28-5	2,4-Dinitrophenol	392		290	270
121-14-2	2,4-Dinitrotoluene	3420		73	14
606-20-2	2,6-Dinitrotoluene	3440		73	19
91-58-7	2-Chloronaphthalene	3180		360	8.2
95-57-8	2-Chlorophenol	2990		360	9.2
91-57-6	2-Methylnaphthalene	3480		360	8.0
95-48-7	2-Methylphenol	3100		360	16
88-74-4	2-Nitroaniline	2760		360	12
88-75-5	2-Nitrophenol	2100		360	12
91-94-1	3,3'-Dichlorobenzidine	2340		140	40
99-09-2	3-Nitroaniline	2250		360	11
534-52-1	4,6-Dinitro-2-methylphenol	1370		290	96
101-55-3	4-Bromophenyl phenyl ether	4040		360	11
59-50-7	4-Chloro-3-methylphenol	3570		360	15
106-47-8	4-Chloroaniline	1380		360	9.3
7005-72-3	4-Chlorophenyl phenyl ether	3530		360	11
106-44-5	4-Methylphenol	3360		360	9.8
100-01-6	4-Nitroaniline	2780		360	14
100-02-7	4-Nitrophenol	4460		730	170
83-32-9	Acenaphthene	3070		360	8.7
208-96-8	Acenaphthylene	3250		360	9.3
98-86-2	Acetophenone	3480		360	7.8
120-12-7	Anthracene	3670		360	34
1912-24-9	Atrazine	7950		140	16
100-52-7	Benzaldehyde	5360		360	27
56-55-3	Benzo[a]anthracene	3560		36	30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109399-E-4-B MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z41210.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/25/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>02/27/2016 13:26</u>
Sample wt/vol: <u>15.0335(g)</u>	Date Analyzed: <u>02/29/2016 03:25</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: <u>8.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>353016</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	3820		36	11
205-99-2	Benzo[b]fluoranthene	3980		36	14
191-24-2	Benzo[g,h,i]perylene	3790		360	21
207-08-9	Benzo[k]fluoranthene	3820		36	16
111-91-1	Bis(2-chloroethoxy)methane	3290		360	11
111-44-4	Bis(2-chloroethyl)ether	3060		36	8.5
117-81-7	Bis(2-ethylhexyl) phthalate	3550		360	14
85-68-7	Butyl benzyl phthalate	3620		360	11
105-60-2	Caprolactam	4430		360	26
86-74-8	Carbazole	3340		360	8.9
218-01-9	Chrysene	3760		360	9.8
53-70-3	Dibenz(a,h)anthracene	3890		36	19
132-64-9	Dibenzofuran	3290		360	11
84-66-2	Diethyl phthalate	3590		360	10
131-11-3	Dimethyl phthalate	3450		360	10
84-74-2	Di-n-butyl phthalate	3680		360	11
117-84-0	Di-n-octyl phthalate	3960		360	18
206-44-0	Fluoranthene	4180		360	11
86-73-7	Fluorene	3380		360	7.8
118-74-1	Hexachlorobenzene	4070		36	15
87-68-3	Hexachlorobutadiene	3690		73	10
77-47-4	Hexachlorocyclopentadiene	3190		360	22
67-72-1	Hexachloroethane	3080		36	13
193-39-5	Indeno[1,2,3-cd]pyrene	4170		36	24
78-59-1	Isophorone	3340		140	7.7
91-20-3	Naphthalene	3320		360	9.2
98-95-3	Nitrobenzene	2990		36	11
621-64-7	N-Nitrosodi-n-propylamine	3120		36	12
86-30-6	N-Nitrosodiphenylamine	3550		360	33
87-86-5	Pentachlorophenol	2430		290	44
85-01-8	Phenanthrene	3930		360	9.6
108-95-2	Phenol	3060		360	12
129-00-0	Pyrene	3820		360	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-109447-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: 460-109399-E-4-B MSD
Matrix: Solid Lab File ID: z41210.D
Analysis Method: 8270D Date Collected: 02/25/2016 11:50
Extract. Method: 3546 Date Extracted: 02/27/2016 13:26
Sample wt/vol: 15.0335(g) Date Analyzed: 02/29/2016 03:25
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 8.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 353016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	93		10-95
321-60-8	2-Fluorobiphenyl	84		27-84
367-12-4	2-Fluorophenol (Surr)	73		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	82		28-92
4165-62-2	Phenol-d5 (Surr)	81		22-88
1718-51-0	Terphenyl-d14 (Surr)	103		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41210.D
 Lims ID: 460-109399-E-4-B MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 29-Feb-2016 03:25:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0037822-018
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Feb-2016 12:05:39 Calib Date: 23-Feb-2016 19:37:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20160223-37612.b\z40952.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: szczech

Date: 29-Feb-2016 12:05:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.707	1.606	0.101	97	77190	50.0	26.4	
2 N-Nitrosodimethylamine	74	1.918	1.830	0.088	96	163301	50.0	37.8	
3 Pyridine	79	1.948	1.859	0.089	92	77689	50.0	10.4	
\$ 4 2-Fluorophenol	112	3.171	2.977	0.194	95	249031	50.0	36.3	
5 Benzaldehyde	77	3.883	3.818	0.065	97	424522	100.0	73.8	
\$ 6 Phenol-d5	99	3.953	3.906	0.047	88	327068	50.0	40.5	
7 Phenol	94	3.965	3.924	0.041	97	341146	50.0	42.1	
8 Aniline	93	3.983	3.936	0.047	99	194311	50.0	19.2	
9 Bis(2-chloroethyl)ether	93	4.042	4.000	0.042	96	293926	50.0	42.1	
10 Benzonitrile	103	4.059	4.024	0.035	0	565974	NC	NC	
11 2-Chlorophenol	128	4.106	4.059	0.047	96	276266	50.0	41.2	
12 n-Decane	43	4.118	4.106	0.012	83	185143	50.0	18.1	
13 1,3-Dichlorobenzene	146	4.230	4.206	0.024	96	320986	50.0	43.6	
* 14 1,4-Dichlorobenzene-d4	152	4.289	4.259	0.030	95	190574	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.306	4.283	0.023	94	323843	50.0	44.2	
16 Benzyl alcohol	108	4.430	4.406	0.024	94	186481	50.0	47.4	
17 1,2-Dichlorobenzene	146	4.459	4.436	0.023	96	306959	50.0	44.6	
18 2-Methylphenol	108	4.548	4.524	0.024	89	244977	50.0	42.7	
19 2,2'-oxybis[1-chloropropan	45	4.559	4.541	0.018	92	256172	50.0	21.1	
20 N-Methylaniline	106	4.683	4.665	0.018	0	415262	NC	NC	
22 Acetophenone	105	4.695	4.677	0.018	93	360902	50.0	47.9	
21 N-Nitrosodi-n-propylamine	70	4.695	4.677	0.018	74	194789	50.0	42.9	
23 3 & 4 Methylphenol	108	4.706	4.689	0.017	96	277482	50.0	46.3	
24 4-Methylphenol	108	4.706	4.689	0.017	93	277482	50.0	46.3	
25 Hexachloroethane	117	4.783	4.771	0.012	97	124341	50.0	42.4	
\$ 26 Nitrobenzene-d5	82	4.842	4.824	0.018	86	289042	50.0	40.8	
27 Nitrobenzene	77	4.865	4.847	0.018	94	383832	50.0	41.1	
28 n,n'-Dimethylaniline	120	4.865	4.847	0.018	91	456845	50.0	48.8	
29 2-Toluidine	107	4.965	4.947	0.018	41	1590		NC	
31 Isophorone	82	5.095	5.089	0.007	98	527771	50.0	46.0	
32 2-Nitrophenol	139	5.171	5.165	0.006	94	99280	50.0	28.9	
33 2,4-Dimethylphenol	122	5.230	5.218	0.012	92	245939	50.0	44.3	

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	5.312	5.306	0.006	99	329210	50.0	45.3	
35 Benzoic acid	122	5.336	5.353	-0.017	1	125	50.0	1.64	
36 2,4-Dichlorophenol	162	5.424	5.412	0.012	97	203982	50.0	41.7	
37 1,2,4-Trichlorobenzene	180	5.500	5.494	0.006	95	257466	50.0	46.1	
* 38 Naphthalene-d8	136	5.553	5.542	0.011	99	707516	40.0	40.0	
39 Naphthalene	128	5.577	5.571	0.006	100	828439	50.0	45.7	
40 4-Chloroaniline	127	5.636	5.630	0.006	96	137837	50.0	19.0	
41 Hexachlorobutadiene	225	5.706	5.700	0.006	96	149473	50.0	50.8	
42 Caprolactam	113	6.012	5.953	0.059	90	100251	100.0	61.0	M
43 4-Chloro-3-methylphenol	107	6.147	6.124	0.023	96	222956	50.0	49.1	
44 2-Methylnaphthalene	142	6.271	6.265	0.006	86	557202	50.0	47.9	
45 1-Methylnaphthalene	142	6.371	6.365	0.006	93	513245	50.0	50.8	
46 Hexachlorocyclopentadiene	237	6.436	6.430	0.006	97	150316	50.0	43.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.442	6.441	0.001	97	244987	50.0	47.8	
48 2-tertbutyl-4-methylphenol	149	6.483	6.477	0.006	91	399249	50.0	54.8	
49 2,4,6-Trichlorophenol	196	6.565	6.553	0.012	91	129574	50.0	37.7	
50 2,4,5-Trichlorophenol	196	6.606	6.588	0.018	98	116579	50.0	34.2	
\$ 51 2-Fluorobiphenyl	172	6.642	6.635	0.007	98	586912	50.0	42.1	
52 1,1'-Biphenyl	154	6.742	6.735	0.007	95	639161	50.0	43.5	
53 2-Chloronaphthalene	162	6.759	6.753	0.006	96	479719	50.0	43.7	
54 Phenyl ether	170	6.842	6.841	0.001	82	354267	50.0	46.8	
55 2-Nitroaniline	65	6.865	6.859	0.006	96	166186	50.0	38.0	
57 1,3-Dimethylnaphthalene	156	6.977	6.971	0.006	92	435916	50.0	46.8	
58 Dimethyl phthalate	163	7.053	7.041	0.012	99	508855	50.0	47.5	
59 Coumarin	146	7.071	7.059	0.012	79	172948	50.0	54.9	
60 2,6-Dinitrotoluene	165	7.106	7.100	0.006	94	122864	50.0	47.3	
61 1-Naphthylamine	143	7.083	7.151	-0.068	47	173		NC	
62 2-Naphthylamine	143	7.212	7.151	0.061	57	313		NC	
63 Acenaphthylene	152	7.171	7.165	0.006	98	749176	50.0	44.7	
64 3-Nitroaniline	138	7.271	7.265	0.006	95	89486	50.0	31.0	
* 65 Acenaphthene-d10	164	7.312	7.300	0.012	91	346205	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.336	7.330	0.006	96	477006	50.0	50.1	
67 Acenaphthene	154	7.341	7.335	0.006	94	453056	50.0	42.3	
68 2,4-Dinitrophenol	184	7.371	7.371	0.000	93	5641	100.0	5.40	
69 4-Nitrophenol	65	7.453	7.447	0.006	89	120135	100.0	61.3	
70 2,4-Dinitrotoluene	165	7.500	7.494	0.006	96	148456	50.0	47.1	
71 Dibenzofuran	168	7.512	7.506	0.006	95	652957	50.0	45.2	
72 2,3,4,6-Tetrachlorophenol	232	7.636	7.635	0.001	94	76776	50.0	31.4	
73 Diethyl phthalate	149	7.747	7.741	0.006	99	488103	50.0	49.4	
75 4-Chlorophenyl phenyl ethe	204	7.847	7.847	0.000	87	239213	50.0	48.6	
74 Fluorene	166	7.853	7.847	0.006	96	514948	50.0	46.5	
76 4-Nitroaniline	138	7.877	7.871	0.006	90	99856	50.0	38.3	
77 4,6-Dinitro-2-methylphenol	198	7.906	7.906	0.000	89	27709	100.0	18.9	
78 N-Nitrosodiphenylamine	169	7.971	7.971	0.000	65	364121	50.0	48.9	
79 1,2-Diphenylhydrazine	77	8.006	8.006	0.000	95	490022	50.0	45.1	
\$ 80 2,4,6-Tribromophenol	330	8.088	8.088	0.000	93	68975	50.0	46.4	
81 4-Bromophenyl phenyl ether	248	8.330	8.329	0.001	92	147189	50.0	55.6	
82 Hexachlorobenzene	284	8.400	8.400	0.000	96	159076	50.0	56.1	
83 Atrazine	200	8.512	8.494	0.018	95	258386	100.0	109.5	
84 Pentachlorophenol	266	8.594	8.594	0.000	94	49157	100.0	33.5	
85 Pentachloronitrobenzene	237	8.612	8.606	0.006	91	56471	50.0	58.2	
86 n-Octadecane	57	8.677	8.677	0.001	87	360252	50.0	32.9	

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	8.777	8.771	0.006	99	458784	40.0	40.0	
88 Phenanthrene	178	8.800	8.794	0.006	97	705034	50.0	54.1	
89 Anthracene	178	8.847	8.847	0.000	99	666554	50.0	50.5	
90 Carbazole	167	9.006	9.006	0.000	96	515101	50.0	46.0	
91 Di-n-butyl phthalate	149	9.353	9.353	0.000	99	664915	50.0	50.6	
92 Fluoranthene	202	9.971	9.971	0.000	98	619249	50.0	57.5	
94 Pyrene	202	10.194	10.194	0.000	97	576608	50.0	52.5	
95 Bisphenol-A	213	10.241	10.241	0.000	99	71082	25.0	24.6	
\$ 96 Terphenyl-d14	244	10.353	10.353	0.000	99	385736	50.0	51.4	
97 Butyl benzyl phthalate	149	10.877	10.876	0.001	96	212628	50.0	49.9	
99 Carbamazepine	193	10.994	10.994	0.000	92	112201	50.0	39.9	
100 3,3'-Dichlorobenzidine	252	11.488	11.488	0.000	99	81899	50.0	32.3	
101 Benzo[a]anthracene	228	11.518	11.518	0.000	99	377684	50.0	48.9	
* 102 Chrysene-d12	240	11.535	11.529	0.006	99	250682	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.565	11.565	0.000	88	281252	50.0	48.8	
103 Chrysene	228	11.565	11.565	0.000	99	343561	50.0	51.8	
105 Di-n-octyl phthalate	149	12.424	12.423	0.001	96	403189	50.0	54.5	
106 Benzo[b]fluoranthene	252	12.923	12.923	0.000	99	280040	50.0	54.8	
107 Benzo[k]fluoranthene	252	12.965	12.959	0.006	99	286823	50.0	52.6	
108 Benzo[a]pyrene	252	13.371	13.364	0.006	97	247366	50.0	52.5	
* 109 Perylene-d12	264	13.447	13.441	0.006	98	171090	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.953	14.947	0.006	99	205528	50.0	57.4	
111 Dibenz(a,h)anthracene	278	14.988	14.982	0.006	98	200530	50.0	53.6	
112 Benzo[g,h,i]perylene	276	15.364	15.364	0.000	98	199764	50.0	52.1	
S 119 Total Cresols	1				0			89.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00102

Amount Added: 20.00

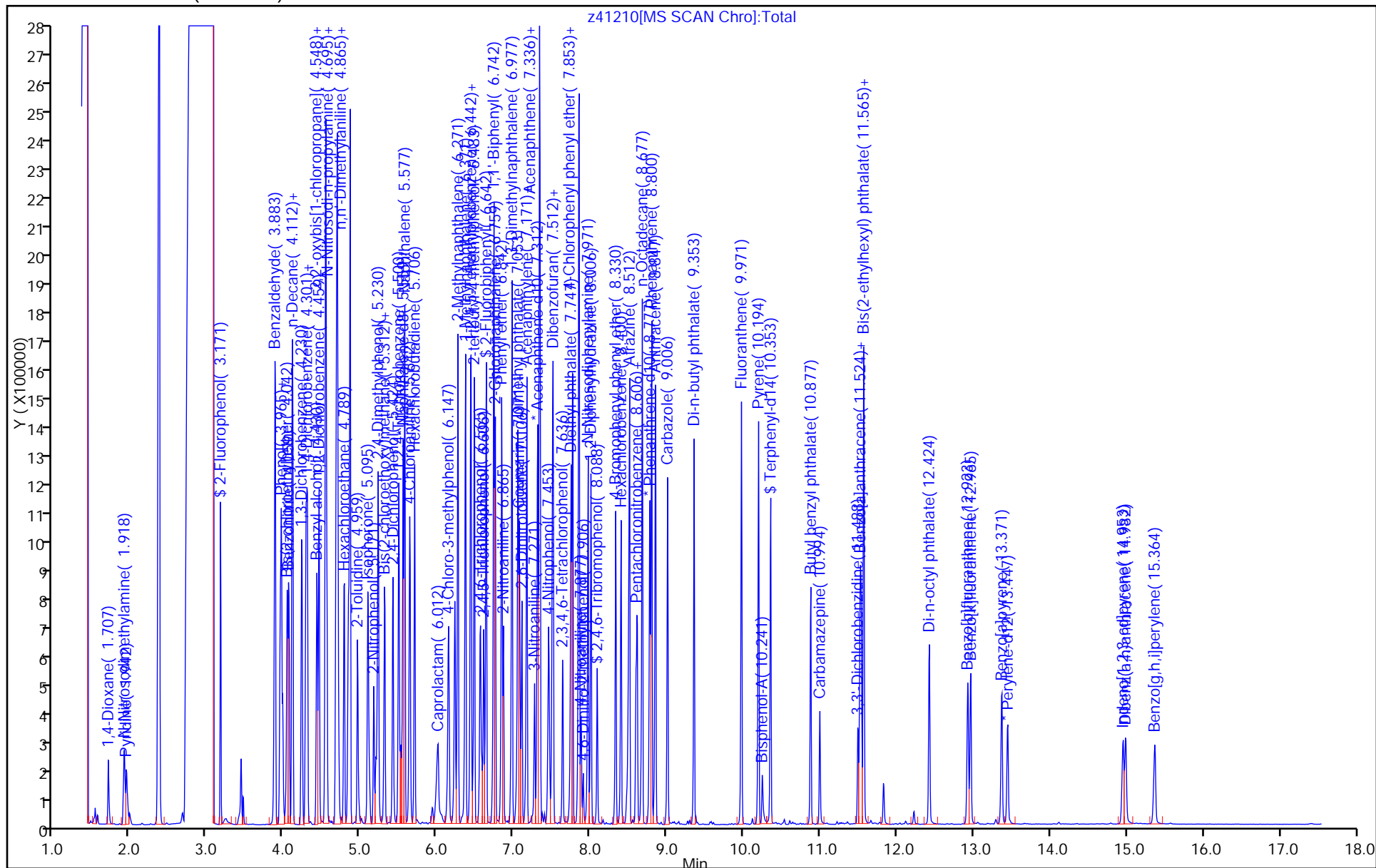
Units: uL

Run Reagent

Data File:	\\ChromNA\Edison\ChromData\CBNAMS11\20160228-37822.b\z41210.D		
Injection Date:	29-Feb-2016 03:25:30	Instrument ID:	CBNAMS11
Lims ID:	460-109399-E-4-B MSD		
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)		

Operator ID:
Worklist Smp#: 18

ALS Bottle#: 18



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20160228-37822.b\\z41210.D

Injection Date: 29-Feb-2016 03:25:30

Instrument ID: CBNAMS11

Lims ID: 460-109399-E-4-B MSD

Client ID:

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

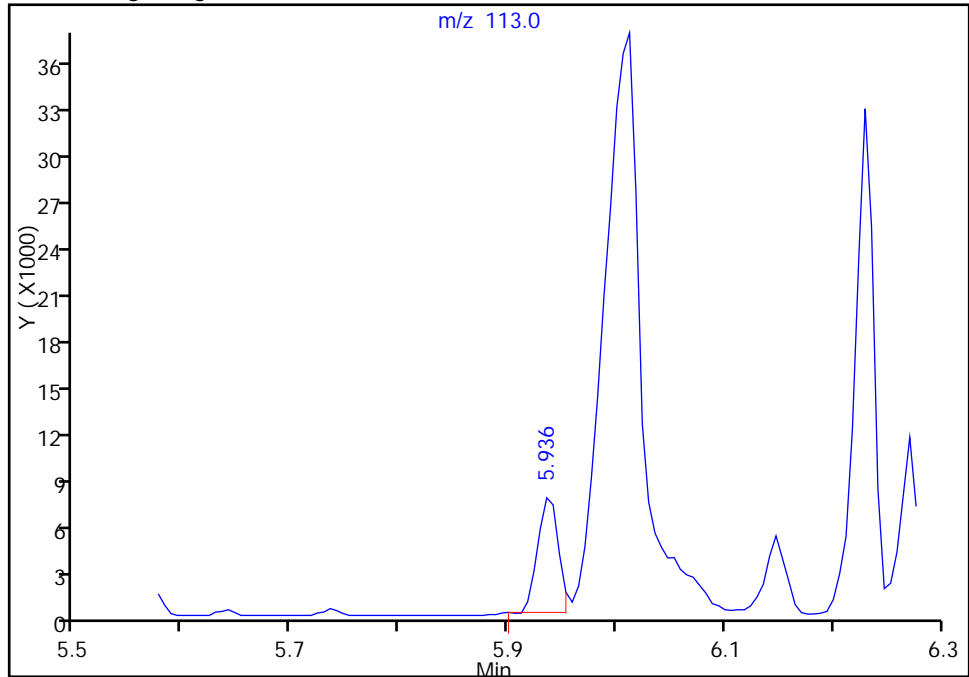
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

42 Caprolactam, CAS: 105-60-2

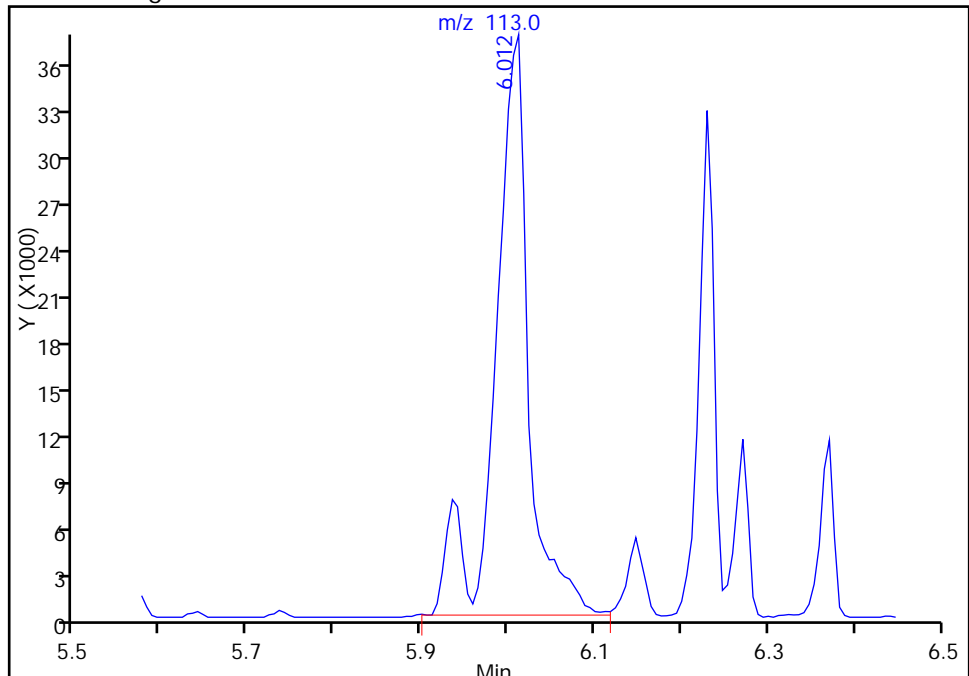
RT: 5.94
Area: 9812
Amount: 5.970564
Amount Units: ug/ml

Processing Integration Results



RT: 6.01
Area: 100251
Amount: 61.002342
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 29-Feb-2016 12:05:39

Audit Action: Manually Integrated

Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-109447-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 02/23/2016 12:54Analysis Batch Number: 351930End Date: 02/24/2016 00:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-351930/1		02/23/2016 12:54	1	z40936.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-351930/2		02/23/2016 13:38	1	z40937.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-351930/3 IC		02/23/2016 14:04	1	z40938.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-351930/4 IC		02/23/2016 14:28	1	z40939.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-351930/5 IC		02/23/2016 14:51	1	z40940.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-351930/6 IC		02/23/2016 15:15	1	z40941.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-351930/7 IC		02/23/2016 15:38	1	z40942.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-351930/8 IC		02/23/2016 16:02	1	z40943.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-351930/9 IC		02/23/2016 16:25	1	z40944.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-351930/10 IC		02/23/2016 16:51	1	z40945.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-351930/11 IC		02/23/2016 17:14	1	z40946.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-351930/12 IC		02/23/2016 17:38	1	z40947.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-351930/13 IC		02/23/2016 18:01	1	z40948.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-351930/14 IC		02/23/2016 18:25	1	z40949.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-351930/15 IC		02/23/2016 18:48	1	z40950.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-351930/16 IC		02/23/2016 19:13	1	z40951.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-351930/17 IC		02/23/2016 19:37	1	z40952.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-351930/18		02/23/2016 20:03	1	z40953.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-351930/19		02/23/2016 20:26	1	z40954.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 20:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 21:14	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 21:37	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 22:01	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 22:24	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 22:48	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 23:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 23:35	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/23/2016 23:59	20		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/24/2016 00:22	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-109447-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 02/28/2016 20:16Analysis Batch Number: 353016End Date: 02/29/2016 08:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-353016/1		02/28/2016 20:16	1	z41193.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-353016/2		02/28/2016 20:42	1	z41194.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-353016/3		02/28/2016 21:23	1	z41195.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/28/2016 23:29	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/28/2016 23:53	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 01:51	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 02:14	1		Rtxi-5Sil MS 0.25 (mm)
460-109399-E-4-A MS		02/29/2016 03:02	1	z41209.D	Rtxi-5Sil MS 0.25 (mm)
460-109399-E-4-B MSD		02/29/2016 03:25	1	z41210.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 04:36	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 05:00	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 05:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 05:48	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 06:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 06:35	1		Rtxi-5Sil MS 0.25 (mm)
460-109447-1		02/29/2016 07:01	1	z41219.D	Rtxi-5Sil MS 0.25 (mm)
460-109447-2		02/29/2016 07:24	1	z41220.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 07:48	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 08:13	2		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-109447-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 02/29/2016 11:32Analysis Batch Number: 353092End Date: 02/29/2016 22:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-353092/1		02/29/2016 11:32	1	z41223.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-353092/2		02/29/2016 11:56	1	z41224.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-353092/3		02/29/2016 12:28	1	z41225.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 13:23	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 13:47	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 14:12	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 14:36	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 15:00	1		Rtxi-5Sil MS 0.25 (mm)
MB 460-352903/1-A		02/29/2016 15:26	1	z41232.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 15:49	10		Rtxi-5Sil MS 0.25 (mm)
LCS 460-352903/3-A		02/29/2016 16:17	1	z41234.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-352903/2-A		02/29/2016 16:41	1	z41235.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 17:05	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 17:28	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 17:52	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 18:16	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 18:39	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 19:03	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 19:26	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 19:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 20:13	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 20:37	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 21:00	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 21:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 21:47	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 22:35	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		02/29/2016 22:58	5		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Batch Number: 352903 Batch Start Date: 02/27/16 13:25 Batch Analyst: Barthelus, Guyrlande RBatch 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 460-352903/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-352903/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
LCS 460-352903/3		3546, 8270D		15.0000 g	1 mL	50 uL		500 uL	
460-109399-E-4 MS		3546, 8270D	T	15.0367 g	1 mL	50 uL	500 uL	500 uL	
460-109399-E-4 MSD		3546, 8270D	T	15.0335 g	1 mL	50 uL	500 uL	500 uL	
460-109447-A-1	A1	3546, 8270D	T	15.0541 g	1 mL			500 uL	
460-109447-A-2	A2	3546, 8270D	T	15.0604 g	1 mL			500 uL	

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D
Final Concentrator Volume	1 mL
MeCL2 ID	132641
MeCl2 / Acetone ID	116983
Na2SO4 ID	151191 (SILICA SAND LOT# 132456)
Person's name who did the prep	GB
Analyst ID - Spike Analyst	GB
Analyst ID - Spike Witness Analyst	GB
Water Bath Temperature	38c (38c UNCORRECTED)

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-109447-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID

A1

A2

Lab Sample ID

460-109447-1

460-109447-2

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>A1</u>	Lab Sample ID: <u>460-109447-1</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>02/26/2016 11:45</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>02/26/2016 17:40</u>
% Solids: <u>94.2</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3610	31.7	16.3	mg/Kg			4	6010C
7440-36-0	Antimony	3.2	3.2	1.3	mg/Kg	U		4	6010C
7440-38-2	Arsenic	1.2	2.4	0.78	mg/Kg	J		4	6010C
7440-39-3	Barium	104	31.7	1.1	mg/Kg			4	6010C
7440-41-7	Beryllium	0.32	0.32	0.27	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.63	0.63	0.33	mg/Kg	U		4	6010C
7440-70-2	Calcium	407	792	46.9	mg/Kg	J		4	6010C
7440-47-3	Chromium	6.1	1.6	0.77	mg/Kg			4	6010C
7440-48-4	Cobalt	2.3	7.9	0.91	mg/Kg	J		4	6010C
7440-50-8	Copper	5.9	4.0	1.0	mg/Kg			4	6010C
7439-89-6	Iron	6490	23.8	17.9	mg/Kg			4	6010C
7439-92-1	Lead	913	1.6	0.62	mg/Kg			4	6010C
7439-95-4	Magnesium	552	792	39.5	mg/Kg	J		4	6010C
7439-96-5	Manganese	162	2.4	0.83	mg/Kg			4	6010C
7440-02-0	Nickel	8.6	6.3	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	195	792	24.0	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.2	3.2	1.1	mg/Kg	U		4	6010C
7440-22-4	Silver	1.6	1.6	0.28	mg/Kg	U		4	6010C
7440-23-5	Sodium	792	792	53.7	mg/Kg	U		4	6010C
7440-28-0	Thallium	3.2	3.2	1.4	mg/Kg	U		4	6010C
7440-62-2	Vanadium	6.7	7.9	0.79	mg/Kg	J		4	6010C
7440-66-6	Zinc	44.5	4.8	1.2	mg/Kg			4	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>A2</u>	Lab Sample ID: <u>460-109447-2</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109447-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>02/26/2016 11:50</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>02/26/2016 17:40</u>
% Solids: <u>92.7</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4240	35.4	18.2	mg/Kg			4	6010C
7440-36-0	Antimony	3.5	3.5	1.4	mg/Kg	U		4	6010C
7440-38-2	Arsenic	1.5	2.7	0.87	mg/Kg	J		4	6010C
7440-39-3	Barium	24.2	35.4	1.3	mg/Kg	J		4	6010C
7440-41-7	Beryllium	0.35	0.35	0.30	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.71	0.71	0.37	mg/Kg	U		4	6010C
7440-70-2	Calcium	747	885	52.4	mg/Kg	J		4	6010C
7440-47-3	Chromium	7.3	1.8	0.86	mg/Kg			4	6010C
7440-48-4	Cobalt	3.2	8.8	1.0	mg/Kg	J		4	6010C
7440-50-8	Copper	8.1	4.4	1.1	mg/Kg			4	6010C
7439-89-6	Iron	8430	26.5	20.0	mg/Kg			4	6010C
7439-92-1	Lead	18.1	1.8	0.69	mg/Kg			4	6010C
7439-95-4	Magnesium	709	885	44.1	mg/Kg	J		4	6010C
7439-96-5	Manganese	278	2.7	0.93	mg/Kg			4	6010C
7440-02-0	Nickel	13.5	7.1	1.3	mg/Kg			4	6010C
7440-09-7	Potassium	181	885	26.8	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.5	3.5	1.2	mg/Kg	U		4	6010C
7440-22-4	Silver	1.8	1.8	0.31	mg/Kg	U		4	6010C
7440-23-5	Sodium	885	885	59.9	mg/Kg	U		4	6010C
7440-28-0	Thallium	3.5	3.5	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	7.5	8.8	0.88	mg/Kg	J		4	6010C
7440-66-6	Zinc	25.6	5.3	1.3	mg/Kg			4	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00150 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00150

Analyte	ICV 460-352913/7 02/27/2016 12:02				CCV 460-352913/20 02/27/2016 12:51				CCV 460-352913/33 02/27/2016 13:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124700		125000	100	125800		125000	101	122500		125000	98
Antimony	987.0		1000	99	997.0		1000	100	981.9		1000	98
Arsenic	2508		2500	100	2533		2500	101	2494		2500	100
Barium	10110		10000	101	10180		10000	102	9948		10000	99
Beryllium	1014		1000	101	1023		1000	102	995.9		1000	100
Cadmium	1263		1250	101	1279		1250	102	1249		1250	100
Calcium	126700		125000	101	128600		125000	103	124300		125000	99
Chromium	5059		5000	101	5130		5000	103	4961		5000	99
Cobalt	2514		2500	101	2544		2500	102	2487		2500	99
Copper	12420		12500	99	12530		12500	100	12240		12500	98
Iron	101800		100000	102	103200		100000	103	100000		100000	100
Lead	7585		7500	101	7686		7500	102	7513		7500	100
Magnesium	126300		125000	101	127500		125000	102	123200		125000	99
Manganese	5140		5000	103	5214		5000	104	5066		5000	101
Nickel	2526		2500	101	2560		2500	102	2502		2500	100
Potassium	50070		50000	100	50520		50000	101	49330		50000	99
Selenium	2496		2500	100	2534		2500	101	2483		2500	99
Silver	1240		1250	99	1252		1250	100	1218		1250	97
Sodium	125300		125000	100	127700		125000	102	124700		125000	100
Thallium	2551		2500	102	2583		2500	103	2545		2500	102
Vanadium	2503		2500	100	2536		2500	101	2463		2500	99
Zinc	2543		2500	102	2593		2500	104	2520		2500	101

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00150 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00150

Analyte	CCV 460-352913/46 02/27/2016 14:30											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	121000		125000	97								
Antimony	980.4		1000	98								
Arsenic	2487		2500	99								
Barium	9870		10000	99								
Beryllium	986.7		1000	99								
Cadmium	1237		1250	99								
Calcium	122100		125000	98								
Chromium	4882		5000	98								
Cobalt	2472		2500	99								
Copper	12210		12500	98								
Iron	98660		100000	99								
Lead	7462		7500	99								
Magnesium	121000		125000	97								
Manganese	5004		5000	100								
Nickel	2488		2500	100								
Potassium	48820		50000	98								
Selenium	2480		2500	99								
Silver	1208		1250	97								
Sodium	122700		125000	98								
Thallium	2543		2500	102								
Vanadium	2435		2500	97								
Zinc	2498		2500	100								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-109447-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

Analyte	ICVL 460-352913/9 02/27/2016 12:10				CCVL 460-352913/22 02/27/2016 12:59				CCVL 460-352913/35 02/27/2016 13:48			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	188.7	J	200	94	186.4	J	200	93	190.5	J	200	95
Antimony	17.58	J	20.0	88	17.12	J	20.0	86	17.03	J	20.0	85
Arsenic	15.13		15.0	101	16.90		15.0	113	14.77	J	15.0	98
Barium	187.4	J	200	94	188.1	J	200	94	185.0	J	200	93
Beryllium	1.87	J	2.00	93	1.82	J	2.00	91	1.88	J	2.00	94
Cadmium	3.83	J	4.00	96	3.82	J	4.00	95	3.74	J	4.00	93
Calcium	4590	J	5000	92	4613	J	5000	92	4492	J	5000	90
Chromium	10.18		10.0	102	10.22		10.0	102	9.73	J	10.0	97
Cobalt	47.15	J	50.0	94	47.52	J	50.0	95	46.77	J	50.0	94
Copper	22.12	J	25.0	88	21.89	J	25.0	88	21.51	J	25.0	86
Iron	158.6		150	106	161.6		150	108	156.2		150	104
Lead	10.96		10.0	110	11.25		10.0	113	9.60	J	10.0	96
Magnesium	4614	J	5000	92	4617	J	5000	92	4462	J	5000	89
Manganese	14.89	J	15.0	99	15.01		15.0	100	14.86	J	15.0	99
Nickel	38.35	J	40.0	96	39.11	J	40.0	98	38.84	J	40.0	97
Potassium	4478	J	5000	90	4512	J	5000	90	4442	J	5000	89
Selenium	18.98	J	20.0	95	21.78		20.0	109	19.84	J	20.0	99
Silver	8.76	J	10.0	88	8.54	J	10.0	85	8.48	J	10.0	85
Sodium	4576	J	5000	92	4591	J	5000	92	4546	J	5000	91
Thallium	19.87	J	20.0	99	19.32	J	20.0	97	19.13	J	20.0	96
Vanadium	45.79	J	50.0	92	46.41	J	50.0	93	45.69	J	50.0	91
Zinc	29.74	J	30.0	99	29.89	J	30.0	100	29.72	J	30.0	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.: 460-109447-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

Analyte	CCVL 460-352913/48 02/27/2016 14:37											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	190.7	J	200	95								
Antimony	18.74	J	20.0	94								
Arsenic	17.96		15.0	120								
Barium	189.3	J	200	95								
Beryllium	1.82	J	2.00	91								
Cadmium	3.85	J	4.00	96								
Calcium	4523	J	5000	90								
Chromium	9.50	J	10.0	95								
Cobalt	48.02	J	50.0	96								
Copper	22.22	J	25.0	89								
Iron	161.9		150	108								
Lead	10.59		10.0	106								
Magnesium	4496	J	5000	90								
Manganese	15.00		15.0	100								
Nickel	38.96	J	40.0	97								
Potassium	4570	J	5000	91								
Selenium	21.58		20.0	108								
Silver	8.80	J	10.0	88								
Sodium	4679	J	5000	94								
Thallium	18.67	J	20.0	93								
Vanadium	45.97	J	50.0	92								
Zinc	30.37		30.0	101								

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-352913/8 02/27/2016 12:06		CCB 460-352913/21 02/27/2016 12:55		CCB 460-352913/34 02/27/2016 13:44		CCB 460-352913/47 02/27/2016 14:33	
		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.: 460-109447-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-352810/1-A ^2
 Instrument Code: ICP5 Batch No.: 352913

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.: 460-109447-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-352913/10 Instrument ID: ICP5
 Lab File ID: 02272016.asc ICS Source: ME_ICSA_Duo_00067
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	497900	100
Antimony		-1.57	
Arsenic		-1.98	
Barium		-0.599	
Beryllium		-0.107	
Cadmium		0.113	
Calcium	500000	497800	100
Chromium		-1.17	
Cobalt		-3.08	
Copper		-2.18	
Iron	200000	195900	98
Lead		-1.52	
Magnesium	500000	510300	102
Manganese		-0.965	
Nickel		-0.136	
Potassium		21.1	
Selenium		1.30	
Silver		-2.91	
Sodium		26.7	
Thallium		-1.21	
Vanadium		-1.99	
Zinc		-1.77	
<i>Boron</i>		<i>-4.93</i>	
<i>Molybdenum</i>		<i>0.883</i>	
<i>Strontium</i>		<i>-1.01</i>	
<i>Tin</i>		<i>-1.80</i>	
<i>Titanium</i>		<i>-2.50</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.: 460-109447-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-352913/11 Instrument ID: ICP5
 Lab File ID: 02272016.asc ICS Source: ME_ICSAB_DUO_00083
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	494700	99
Antimony	100	99.1	99
Arsenic	100	96.7	97
Barium	100	102	102
Beryllium	100	99.4	99
Cadmium	100	98.1	98
Calcium	500000	487700	98
Chromium	100	99.0	99
Cobalt	100	94.8	95
Copper	100	104	104
Iron	200000	193300	97
Lead	100	99.9	100
Magnesium	500000	501000	100
Manganese	100	103	103
Nickel	100	99.4	99
Potassium	10000	10160	102
Selenium	100	99.2	99
Silver	100	102	102
Sodium	10000	10390	104
Thallium	100	97.2	97
Vanadium	100	98.0	98
Zinc	100	96.7	97
<i>Boron</i>	<i>100</i>	<i>96.3</i>	<i>96</i>
<i>Molybdenum</i>	<i>100</i>	<i>95.7</i>	<i>96</i>
<i>Strontium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Tin</i>	<i>100</i>	<i>96.4</i>	<i>96</i>
<i>Titanium</i>	<i>100</i>	<i>101</i>	<i>101</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: 460-109370-C-1-D MS ^4

Lab Name: TestAmerica Edison

Job No.: 460-109447-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 87.2

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10260	6020	191	2224	75-125	4	6010C
Antimony	18.51	3.6 U	47.8	39	75-125	N	6010C
Arsenic	188.6	4.3	191	96	75-125		6010C
Barium	267.5	62.8	191	107	75-125		6010C
Beryllium	5.66	0.68	4.78	104	75-125		6010C
Cadmium	4.73	0.72 U	4.78	99	75-125		6010C
Calcium	3105	1100	1910	105	75-125		6010C
Chromium	29.44	10.0	19.1	102	75-125		6010C
Cobalt	53.67	6.3 J	47.8	99	75-125		6010C
Copper	42.30	16.9	23.9	106	75-125		6010C
Iron	10840	9550	95.5	1349	75-125	4	6010C
Lead	72.36	18.5	47.8	113	75-125		6010C
Magnesium	3525	1920	1910	84	75-125		6010C
Manganese	439.5	346	47.8	197	75-125	4	6010C
Nickel	57.99	10.6	47.8	99	75-125		6010C
Potassium	2161	326 J	1910	96	75-125		6010C
Selenium	180.3	3.6 U	191	94	75-125		6010C
Silver	4.19	1.8 U	4.78	88	75-125		6010C
Sodium	2322	411 J	1910	100	75-125		6010C
Thallium	197.0	3.6 U	191	103	75-125		6010C
Vanadium	60.70	10.6	47.8	105	75-125		6010C
Zinc	88.79	36.4	47.8	110	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____

Lab ID: 460-109370-C-1-B PDS ^4

Lab Name: TestAmerica Edison

Job No.: 460-109447-1

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	6333	6020	361	NC	80-120		6010C
Antimony	85.23	3.6 U	90.3	94	80-120		6010C
Arsenic	346.6	4.3	361	95	80-120		6010C
Barium	417.4	62.8	361	98	80-120		6010C
Beryllium	9.80	0.68	9.03	101	80-120		6010C
Cadmium	8.87	0.72 U	9.03	98	80-120		6010C
Calcium	4616	1100	3610	97	80-120		6010C
Chromium	47.07	10.0	36.1	103	80-120		6010C
Cobalt	95.61	6.3 J	90.3	99	80-120		6010C
Copper	60.90	16.9	45.1	97	80-120		6010C
Iron	9679	9550	181	NC	80-120		6010C
Lead	108.5	18.5	90.3	100	80-120		6010C
Magnesium	5344	1920	3610	95	80-120		6010C
Manganese	433.5	346	90.3	97	80-120		6010C
Nickel	101.6	10.6	90.3	101	80-120		6010C
Potassium	3566	326 J	3610	90	80-120		6010C
Selenium	339.6	3.6 U	361	94	80-120		6010C
Silver	8.98	1.8 U	9.03	100	80-120		6010C
Sodium	3948	411 J	3610	98	80-120		6010C
Thallium	369.9	3.6 U	361	102	80-120		6010C
Vanadium	100.0	10.6	90.3	99	80-120		6010C
Zinc	127.3	36.4	90.3	101	80-120		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-109370-C-1-C DU ^4
 Lab Name: TestAmerica Edison Job No.: 460-109447-1
 SDG No.: _____
 % Solids for Sample: 87.2 % Solids for Duplicate: 87.2
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	35.8	6020	6760	12		6010C
Antimony	3.6	3.6 U	3.6 U	NC		6010C
Arsenic	2.7	4.3	11.43	91	*	6010C
Barium	35.8	62.8	74.86	18		6010C
Beryllium	0.36	0.68	0.781	14		6010C
Cadmium	0.72	0.72 U	0.72 U	NC		6010C
Calcium	896	1100	1027	7		6010C
Chromium	1.8	10.0	8.78	13		6010C
Cobalt	9.0	6.3 J	6.10 J	4		6010C
Copper	4.5	16.9	20.47	19		6010C
Iron	26.9	9550	10210	7		6010C
Lead	1.8	18.5	34.41	60	*	6010C
Magnesium	896	1920	1521	23		6010C
Manganese	2.7	346	409.0	17		6010C
Nickel	7.2	10.6	9.12	15		6010C
Potassium	896	326 J	351.6 J	8		6010C
Selenium	3.6	3.6 U	3.6 U	NC		6010C
Silver	1.8	1.8 U	1.8 U	NC		6010C
Sodium	896	411 J	461.4 J	12		6010C
Thallium	3.6	3.6 U	3.6 U	NC		6010C
Vanadium	9.0	10.6	10.93	3		6010C
Zinc	5.4	36.4	41.68	14		6010C

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-352810/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-109447-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00006

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	7930	7018		88.5	50.2	150.1		6010C
Antimony	105	57.86		55.1	0.1	201.0		6010C
Arsenic	98.5	96.12		97.6	77.8	122.8		6010C
Barium	308	312.6		101.5	82.5	117.5		6010C
Beryllium	66.0	66.54		100.8	83.0	116.8		6010C
Cadmium	146	150.6		103.1	82.9	117.8		6010C
Calcium	6610	6434		97.3	83.7	116.2		6010C
Chromium	182	183.6		100.9	79.7	120.3		6010C
Cobalt	162	167.7		103.5	83.3	116.0		6010C
Copper	106	103.4		97.5	81.5	118.9		6010C
Iron	14400	13900		96.6	44.1	155.6		6010C
Lead	130	130.3		100.3	82.3	117.7		6010C
Magnesium	2640	2456		93.0	75.8	124.6		6010C
Manganese	410	418.6		102.1	81.2	119.0		6010C
Nickel	149	158.7		106.5	82.6	117.4		6010C
Potassium	2550	2340		91.8	69.0	130.6		6010C
Selenium	154	149.2		96.9	77.9	122.1		6010C
Silver	40.9	37.18		90.9	75.1	124.7		6010C
Sodium	2480	2564		103.4	70.6	129.0		6010C
Thallium	175	190.1		108.7	78.3	121.1		6010C
Vanadium	96.7	95.18		98.4	77.2	123.1		6010C
Zinc	191	197.5		103.4	83.2	116.8		6010C

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-109370-C-1-B SD ^20

SDG No: _____

Lab Name: TestAmerica Edison

Job No: 460-109447-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	6020		5902		1.9		6010C
Antimony	3.6	U	18.1	U	NC		6010C
Arsenic	4.3		4.80	J	NC		6010C
Barium	62.8		61.14	J	NC		6010C
Beryllium	0.68		1.8	U	NC		6010C
Cadmium	0.72	U	3.6	U	NC		6010C
Calcium	1100		1062	J	NC		6010C
Chromium	10.0		10.57		NC		6010C
Cobalt	6.3	J	6.27	J	NC		6010C
Copper	16.9		16.25	J	NC		6010C
Iron	9550		9641		0.95		6010C
Lead	18.5		18.51		NC		6010C
Magnesium	1920		1915	J	NC		6010C
Manganese	346		342.2		0.97		6010C
Nickel	10.6		10.44	J	NC		6010C
Potassium	326	J	322.7	J	NC		6010C
Selenium	3.6	U	18.1	U	NC		6010C
Silver	1.8	U	9.0	U	NC		6010C
Sodium	411	J	408.4	J	NC		6010C
Thallium	3.6	U	18.1	U	NC		6010C
Vanadium	10.6		10.59	J	NC		6010C
Zinc	36.4		36.12		NC		6010C

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-109447-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP5
 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: 460-109447-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP5
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.: 460-109447-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-352810/1-A ^2	02/26/2016 22:00	352810	1.00		50
LCSSRM 460-352810/2-A ^4	02/26/2016 22:00	352810	1.00		50
460-109370-C-1-C DU ^4	02/26/2016 22:00	352810	1.28		50
460-109370-C-1-D MS ^4	02/26/2016 22:00	352810	1.20		50
460-109447-1	02/26/2016 22:00	352810	1.34		50
460-109447-2	02/26/2016 22:00	352810	1.22		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

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 460-352913/1	1		11:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			11:44																				
ZZZZZZ			11:48																				
ZZZZZZ			11:51																				
ZZZZZZ			11:55																				
ZZZZZZ			11:58																				
ICV 460-352913/7	1		12:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-352913/8	1		12:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICVL 460-352913/9	1		12:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-352913/10	1		12:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-352913/11	1		12:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			12:22																				
ZZZZZZ			12:26																				
460-109370-C-1-B PDS ^4	4	T	12:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-109370-C-1-D MS ^4	4	T	12:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-109370-C-1-C DU ^4	4	T	12:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			12:40																				
460-109370-C-1-B SD ^20	20	T	12:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-352810/2-A ^4	4	T	12:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-352913/20	1		12:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-352913/21	1		12:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-352913/22	1		12:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-352810/1-A ^2	2	T	13:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:14																				
ZZZZZZ			13:18																				
ZZZZZZ			13:21																				
ZZZZZZ			13:25																				
ZZZZZZ			13:29																				
ZZZZZZ			13:33																				
ZZZZZZ			13:37																				
CCV 460-352913/33	1		13:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-352913/34	1		13:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-352913/35	1		13:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			13:52																				
ZZZZZZ			13:56																				
460-109447-1	4	T	13:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-109447-2	4	T	14:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			14:07																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

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			14:11																				
ZZZZZZ			14:15																				
ZZZZZZ			14:18																				
ZZZZZZ			14:22																				
ZZZZZZ			14:26																				
CCV 460-352913/46	1		14:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-352913/47	1		14:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-352913/48	1		14:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			14:41																				
ZZZZZZ			14:45																				
ZZZZZZ			14:49																				
ZZZZZZ			14:53																				
ZZZZZZ			14:57																				
ZZZZZZ			15:00																				
ZZZZZZ			15:04																				
ZZZZZZ			15:08																				
ZZZZZZ			15:12																				
ZZZZZZ			15:16																				
CCV 460-352913/59			15:20																				
CCB 460-352913/60			15:23																				
CCVL 460-352913/61			15:27																				
ZZZZZZ			15:31																				
ZZZZZZ			15:35																				
ZZZZZZ			15:38																				
ZZZZZZ			15:42																				
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
ZZZZZZ			15:53																				
ZZZZZZ			15:57																				
ZZZZZZ			16:01																				
ZZZZZZ			16:04																				
CCV 460-352913/72			16:08																				
CCB 460-352913/73			16:12																				
CCVL 460-352913/74			16:16																				
ZZZZZZ			16:20																				
ZZZZZZ			16:24																				
ZZZZZZ			16:28																				
ZZZZZZ			16:32																				
ZZZZZZ			16:35																				
ZZZZZZ			16:39																				
ZZZZZZ			16:43																				
ZZZZZZ			16:47																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

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			16:50																			
ZZZZZZ			16:54																			
CCV 460-352913/85			16:58																			
CCB 460-352913/86			17:01																			
CCVL 460-352913/87			17:05																			
ZZZZZZ			17:09																			
ZZZZZZ			17:13																			
ZZZZZZ			17:17																			
ZZZZZZ			17:21																			
ZZZZZZ			17:24																			
ZZZZZZ			17:28																			
ZZZZZZ			17:32																			
ZZZZZZ			17:36																			
ZZZZZZ			17:40																			
ZZZZZZ			17:44																			
CCV 460-352913/98			17:47																			
CCB 460-352913/99			17:51																			
CCVL 460-352913/100			17:55																			
ZZZZZZ			17:58																			
ZZZZZZ			18:02																			
ZZZZZZ			18:07																			
ZZZZZZ			18:10																			
ZZZZZZ			18:14																			
ZZZZZZ			18:17																			
ZZZZZZ			18:21																			
ZZZZZZ			18:25																			
ZZZZZZ			18:29																			
ZZZZZZ			18:32																			
CCV 460-352913/111			18:36																			
CCB 460-352913/112			18:39																			
CCVL 460-352913/113			18:43																			
ZZZZZZ			18:47																			
ZZZZZZ			18:51																			
ZZZZZZ			18:54																			
ZZZZZZ			18:58																			
ZZZZZZ			19:02																			
ZZZZZZ			19:05																			
ZZZZZZ			19:09																			
ZZZZZZ			19:13																			
ZZZZZZ			19:16																			
ZZZZZZ			19:20																			
CCV 460-352913/124			19:24																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

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
CCB 460-352913/125			19:27																				
CCVL 460-352913/126			19:31																				
ZZZZZZ			19:35																				
ZZZZZZ			19:38																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:49																				
ZZZZZZ			19:53																				
ZZZZZZ			19:57																				
ZZZZZZ			20:00																				
ZZZZZZ			20:04																				
ZZZZZZ			20:07																				
CCV 460-352913/137			20:11																				
CCB 460-352913/138			20:14																				
CCVL 460-352913/139			20:18																				
ZZZZZZ			20:22																				
ZZZZZZ			20:26																				
ZZZZZZ			20:29																				
ZZZZZZ			20:33																				
ZZZZZZ			20:37																				
ZZZZZZ			20:41																				
ZZZZZZ			20:45																				
ZZZZZZ			20:49																				
ZZZZZZ			20:53																				
ZZZZZZ			20:57																				
CCV 460-352913/150			21:01																				
CCB 460-352913/151			21:04																				
CCVL 460-352913/152			21:08																				
ZZZZZZ			21:12																				
ZZZZZZ			21:15																				
ZZZZZZ			21:19																				
ZZZZZZ			21:23																				
ZZZZZZ			21:26																				
ZZZZZZ			21:30																				
ZZZZZZ			21:34																				
ZZZZZZ			21:38																				
ZZZZZZ			21:41																				
ZZZZZZ			21:45																				
CCV 460-352913/163			21:49																				
CCB 460-352913/164			21:52																				
CCVL 460-352913/165			21:56																				
ZZZZZZ			22:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

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			22:03																			
ZZZZZZ			22:07																			
ZZZZZZ			22:11																			
ZZZZZZ			22:14																			
ZZZZZZ			22:18																			
ZZZZZZ			22:21																			
ZZZZZZ			22:25																			
CCV 460-352913/174			22:29																			
CCB 460-352913/175			22:32																			
CCVL 460-352913/176			22:36																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-352913/1	1		11:40	X	X																
ZZZZZZ			11:44																		
ZZZZZZ			11:48																		
ZZZZZZ			11:51																		
ZZZZZZ			11:55																		
ZZZZZZ			11:58																		
ICV 460-352913/7	1		12:02	X	X																
ICB 460-352913/8	1		12:06	X	X																
ICVL 460-352913/9	1		12:10	X	X																
ICSA 460-352913/10	1		12:14	X	X																
ICSAB 460-352913/11	1		12:18	X	X																
ZZZZZZ			12:22																		
ZZZZZZ			12:26																		
460-109370-C-1-B PDS ^4	4	T	12:29	X	X																
460-109370-C-1-D MS ^4	4	T	12:33	X	X																
460-109370-C-1-C DU ^4	4	T	12:37	X	X																
ZZZZZZ			12:40																		
460-109370-C-1-B SD ^20	20	T	12:44	X	X																
LCSSRM 460-352810/2-A ^4	4	T	12:48	X	X																
CCV 460-352913/20	1		12:51	X	X																
CCB 460-352913/21	1		12:55	X	X																
CCVL 460-352913/22	1		12:59	X	X																
MB 460-352810/1-A ^2	2	T	13:03	X	X																
ZZZZZZ			13:07																		
ZZZZZZ			13:10																		
ZZZZZZ			13:14																		
ZZZZZZ			13:18																		
ZZZZZZ			13:21																		
ZZZZZZ			13:25																		
ZZZZZZ			13:29																		
ZZZZZZ			13:33																		
ZZZZZZ			13:37																		
CCV 460-352913/33	1		13:41	X	X																
CCB 460-352913/34	1		13:44	X	X																
CCVL 460-352913/35	1		13:48	X	X																
ZZZZZZ			13:52																		
ZZZZZZ			13:56																		
460-109447-1	4	T	13:59	X	X																
460-109447-2	4	T	14:03	X	X																
ZZZZZZ			14:07																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			14:11																		
ZZZZZZ			14:15																		
ZZZZZZ			14:18																		
ZZZZZZ			14:22																		
ZZZZZZ			14:26																		
CCV 460-352913/46	1		14:30	X	X																
CCB 460-352913/47	1		14:33	X	X																
CCVL 460-352913/48	1		14:37	X	X																
ZZZZZZ			14:41																		
ZZZZZZ			14:45																		
ZZZZZZ			14:49																		
ZZZZZZ			14:53																		
ZZZZZZ			14:57																		
ZZZZZZ			15:00																		
ZZZZZZ			15:04																		
ZZZZZZ			15:08																		
ZZZZZZ			15:12																		
ZZZZZZ			15:16																		
CCV 460-352913/59			15:20																		
CCB 460-352913/60			15:23																		
CCVL 460-352913/61			15:27																		
ZZZZZZ			15:31																		
ZZZZZZ			15:35																		
ZZZZZZ			15:38																		
ZZZZZZ			15:42																		
ZZZZZZ			15:46																		
ZZZZZZ			15:49																		
ZZZZZZ			15:53																		
ZZZZZZ			15:57																		
ZZZZZZ			16:01																		
ZZZZZZ			16:04																		
CCV 460-352913/72			16:08																		
CCB 460-352913/73			16:12																		
CCVL 460-352913/74			16:16																		
ZZZZZZ			16:20																		
ZZZZZZ			16:24																		
ZZZZZZ			16:28																		
ZZZZZZ			16:32																		
ZZZZZZ			16:35																		
ZZZZZZ			16:39																		
ZZZZZZ			16:43																		
ZZZZZZ			16:47																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			16:50																		
ZZZZZZ			16:54																		
CCV 460-352913/85			16:58																		
CCB 460-352913/86			17:01																		
CCVL 460-352913/87			17:05																		
ZZZZZZ			17:09																		
ZZZZZZ			17:13																		
ZZZZZZ			17:17																		
ZZZZZZ			17:21																		
ZZZZZZ			17:24																		
ZZZZZZ			17:28																		
ZZZZZZ			17:32																		
ZZZZZZ			17:36																		
ZZZZZZ			17:40																		
ZZZZZZ			17:44																		
CCV 460-352913/98			17:47																		
CCB 460-352913/99			17:51																		
CCVL 460-352913/100			17:55																		
ZZZZZZ			17:58																		
ZZZZZZ			18:02																		
ZZZZZZ			18:07																		
ZZZZZZ			18:10																		
ZZZZZZ			18:14																		
ZZZZZZ			18:17																		
ZZZZZZ			18:21																		
ZZZZZZ			18:25																		
ZZZZZZ			18:29																		
ZZZZZZ			18:32																		
CCV 460-352913/111			18:36																		
CCB 460-352913/112			18:39																		
CCVL 460-352913/113			18:43																		
ZZZZZZ			18:47																		
ZZZZZZ			18:51																		
ZZZZZZ			18:54																		
ZZZZZZ			18:58																		
ZZZZZZ			19:02																		
ZZZZZZ			19:05																		
ZZZZZZ			19:09																		
ZZZZZZ			19:13																		
ZZZZZZ			19:16																		
ZZZZZZ			19:20																		
CCV 460-352913/124			19:24																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCB 460-352913/125			19:27																		
CCVL 460-352913/126			19:31																		
ZZZZZZ			19:35																		
ZZZZZZ			19:38																		
ZZZZZZ			19:42																		
ZZZZZZ			19:46																		
ZZZZZZ			19:49																		
ZZZZZZ			19:53																		
ZZZZZZ			19:57																		
ZZZZZZ			20:00																		
ZZZZZZ			20:04																		
ZZZZZZ			20:07																		
CCV 460-352913/137			20:11																		
CCB 460-352913/138			20:14																		
CCVL 460-352913/139			20:18																		
ZZZZZZ			20:22																		
ZZZZZZ			20:26																		
ZZZZZZ			20:29																		
ZZZZZZ			20:33																		
ZZZZZZ			20:37																		
ZZZZZZ			20:41																		
ZZZZZZ			20:45																		
ZZZZZZ			20:49																		
ZZZZZZ			20:53																		
ZZZZZZ			20:57																		
CCV 460-352913/150			21:01																		
CCB 460-352913/151			21:04																		
CCVL 460-352913/152			21:08																		
ZZZZZZ			21:12																		
ZZZZZZ			21:15																		
ZZZZZZ			21:19																		
ZZZZZZ			21:23																		
ZZZZZZ			21:26																		
ZZZZZZ			21:30																		
ZZZZZZ			21:34																		
ZZZZZZ			21:38																		
ZZZZZZ			21:41																		
ZZZZZZ			21:45																		
CCV 460-352913/163			21:49																		
CCB 460-352913/164			21:52																		
CCVL 460-352913/165			21:56																		
ZZZZZZ			22:00																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109447-1

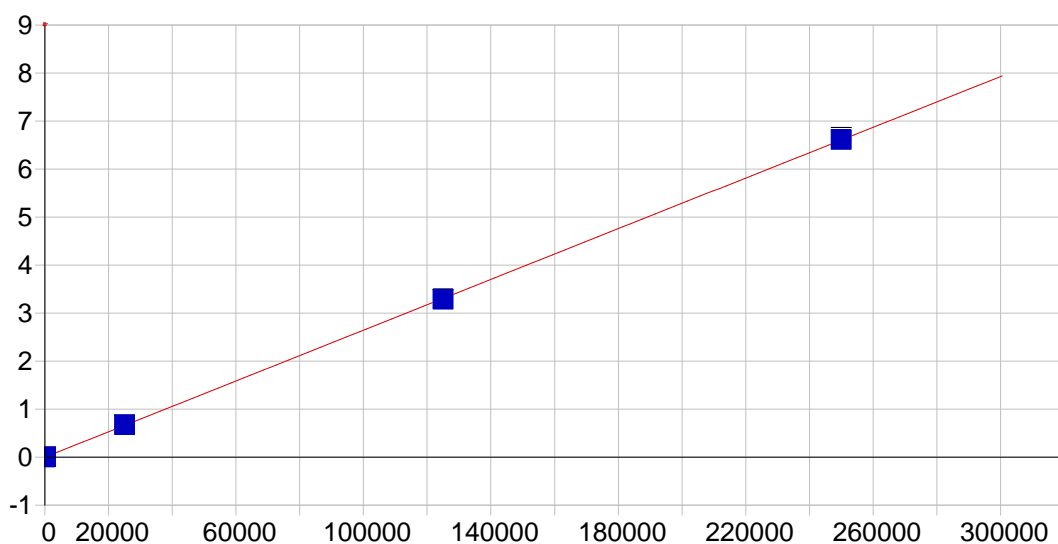
SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 02/27/2016 11:40 End Date: 02/27/2016 22:36

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			22:03																		
ZZZZZZ			22:07																		
ZZZZZZ			22:11																		
ZZZZZZ			22:14																		
ZZZZZZ			22:18																		
ZZZZZZ			22:21																		
ZZZZZZ			22:25																		
CCV 460-352913/174			22:29																		
CCB 460-352913/175			22:32																		
CCVL 460-352913/176			22:36																		

Prep Types
T = Total/NA

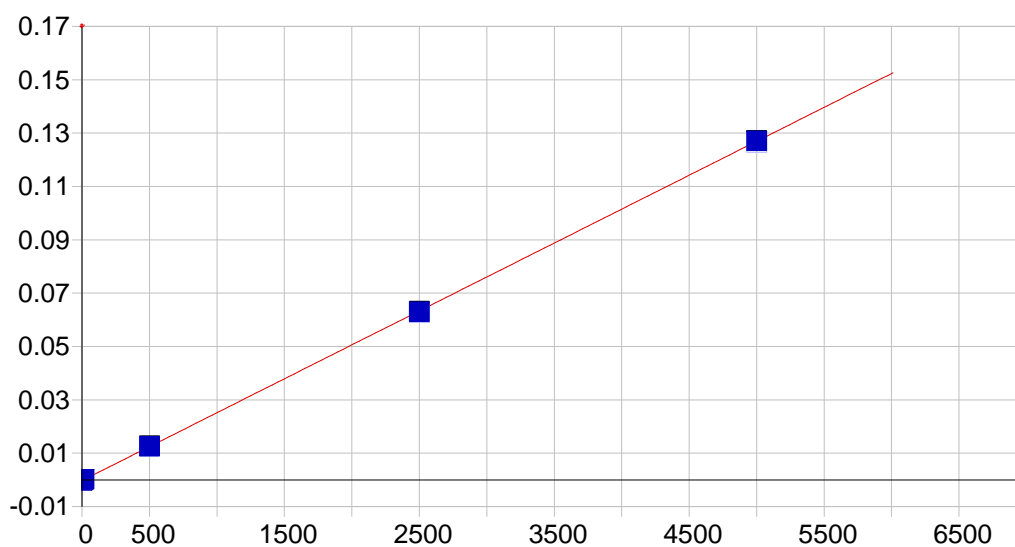


AI 396.152 { 85}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

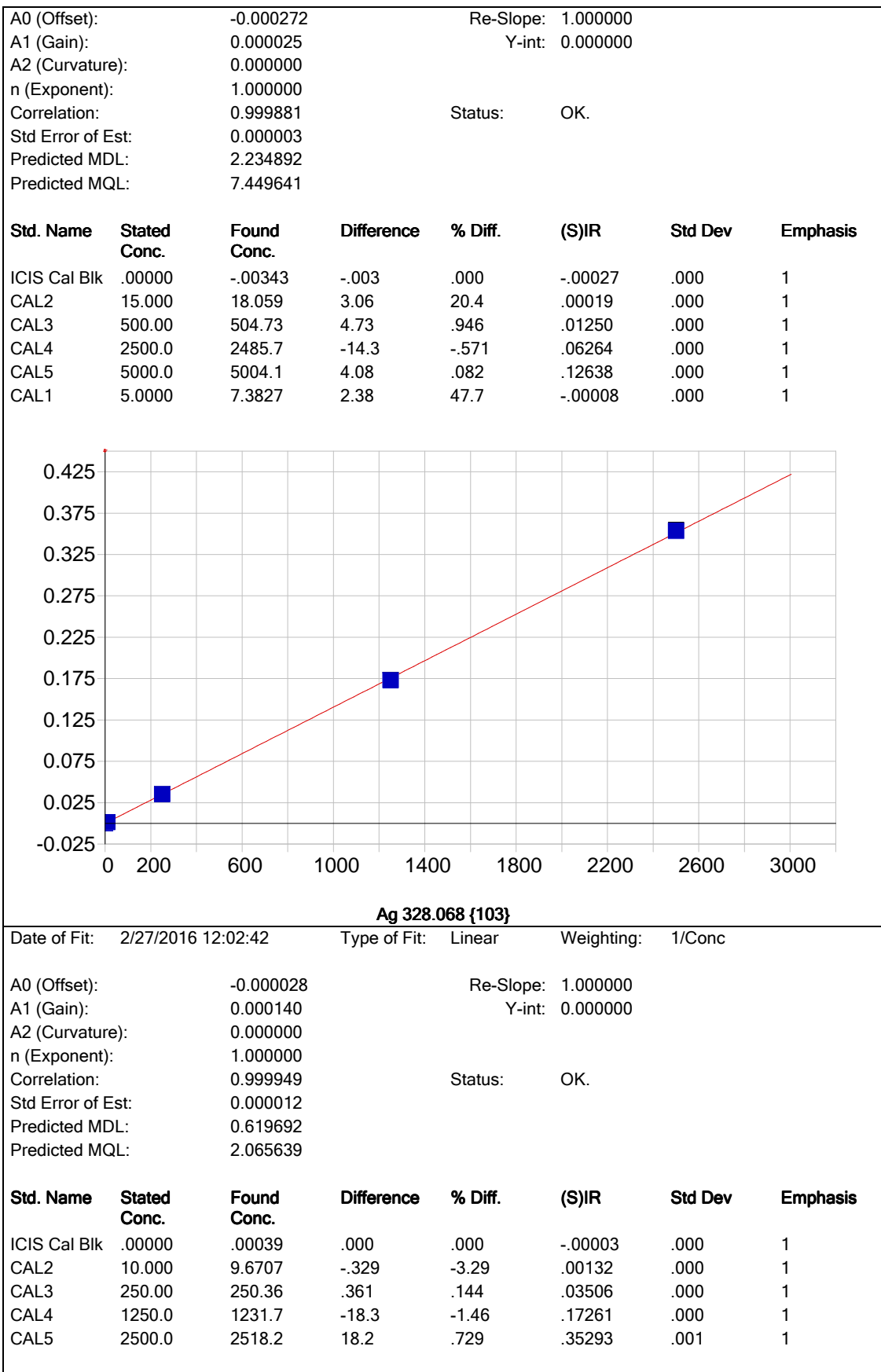
A0 (Offset): -0.001055 Re-Slope: 1.000000
 A1 (Gain): 0.000026 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999977 Status: OK.
 Std Error of Est: 0.000065
 Predicted MDL: 13.080231
 Predicted MQL: 43.600769

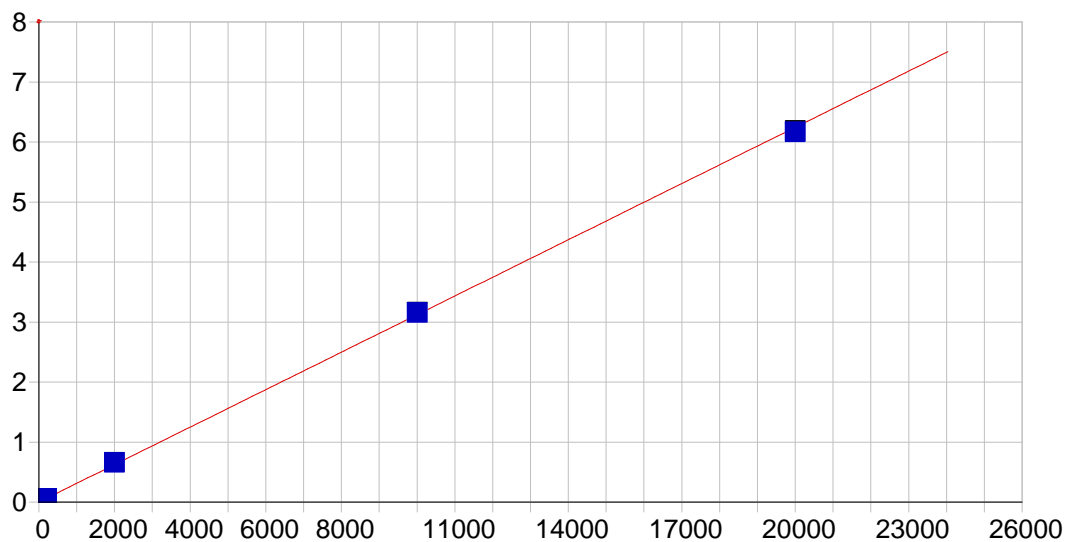
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01778	-.018	.000	-.00106	.000	1
CAL2	200.00	214.19	14.2	7.10	.00462	.000	1
CAL3	25000.	25577.	577.	2.31	.67556	.001	1
CAL4	125000.	124300.	-696.	-.557	3.2874	.005	1
CAL5	250000.	250100.	105.	.042	6.6153	.048	1



As 189.042 {478}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc



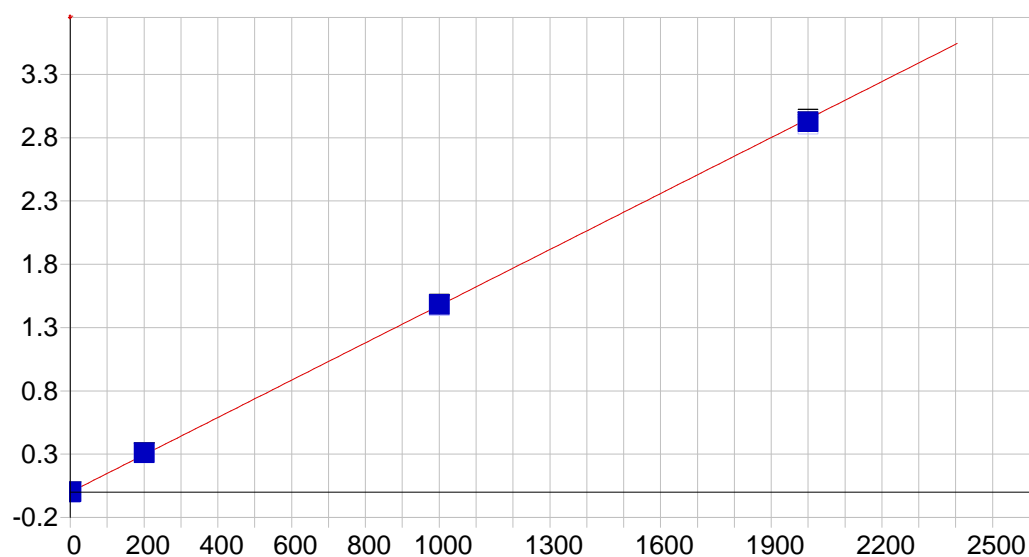


Ba 233.527 {445}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000066 Re-Slope: 1.000000
 A1 (Gain): 0.000312 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999828 Status: OK.
 Std Error of Est: 0.000598
 Predicted MDL: 0.212931
 Predicted MQL: 0.709768

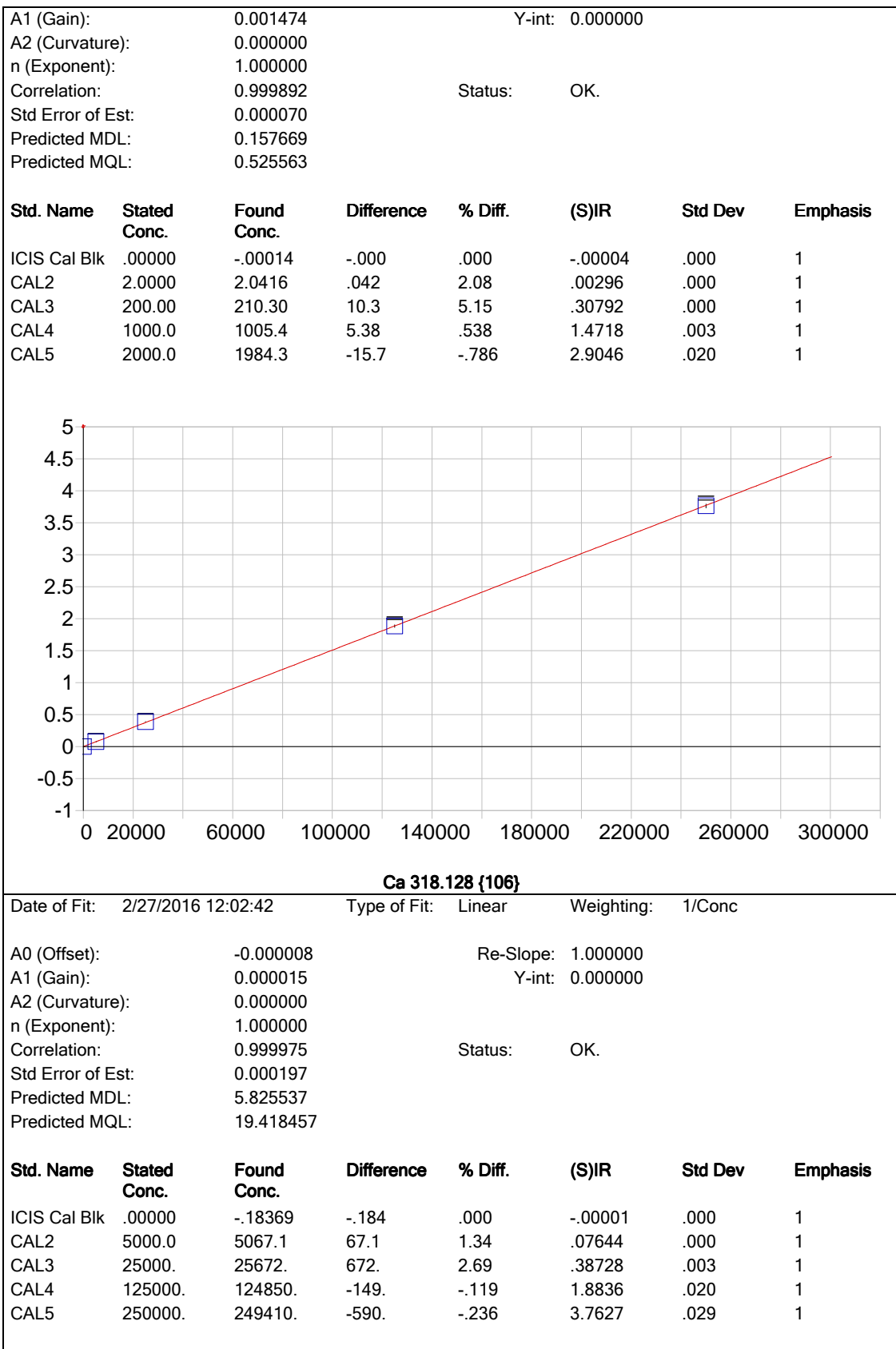
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01924	-.019	.000	.00006	.000	1
CAL2	200.00	207.90	7.90	3.95	.06495	.000	1
CAL3	2000.0	2113.9	114.	5.70	.65930	.001	1
CAL4	10000.	10117.	117.	1.17	3.1550	.002	1
CAL5	20000.	19761.	-239.	-1.20	6.1621	.018	1

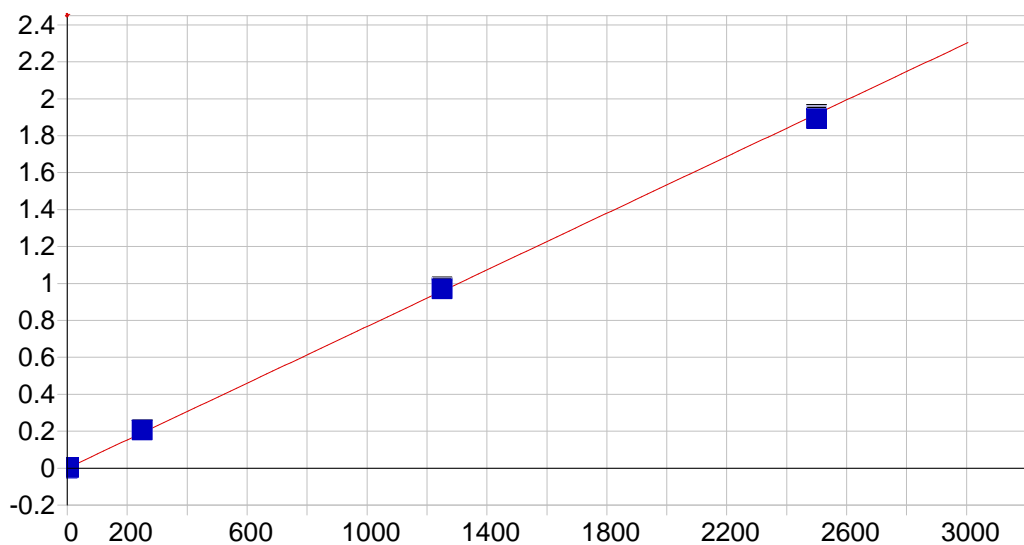


Be 313.042 {108}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000043 Re-Slope: 1.000000



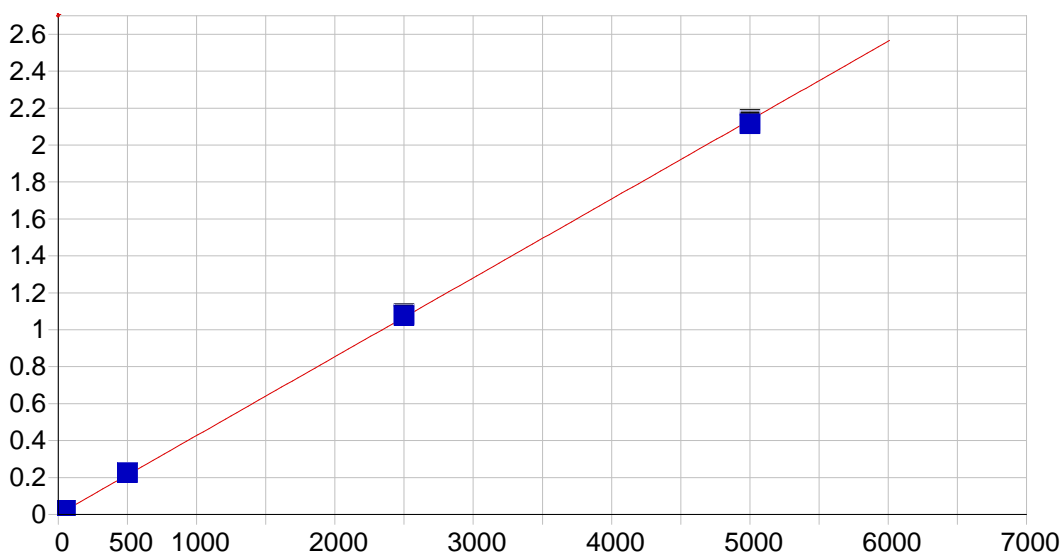


Cd 226.502 {449}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000314 Re-Slope: 1.000000
 A1 (Gain): 0.000767 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999773 Status: OK.
 Std Error of Est: 0.000085
 Predicted MDL: 0.130642
 Predicted MQL: 0.435475

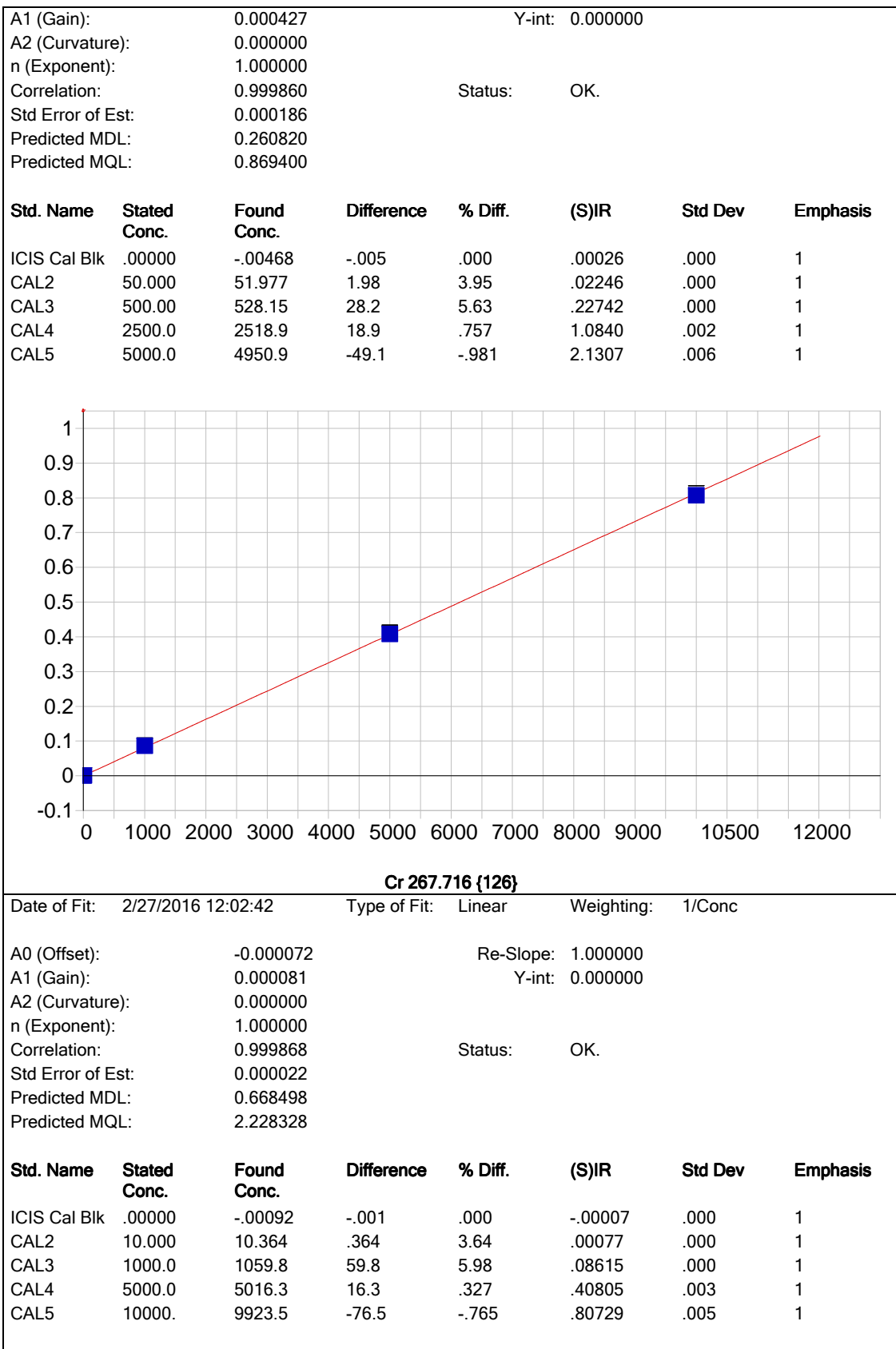
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00046	-.000	.000	-.00031	.000	1
CAL2	4.0000	4.1811	.181	4.53	.00290	.000	1
CAL3	250.00	267.87	17.9	7.15	.20662	.000	1
CAL4	1250.0	1263.8	13.8	1.11	.97643	.004	1
CAL5	2500.0	2468.1	-31.9	-1.28	1.9075	.006	1

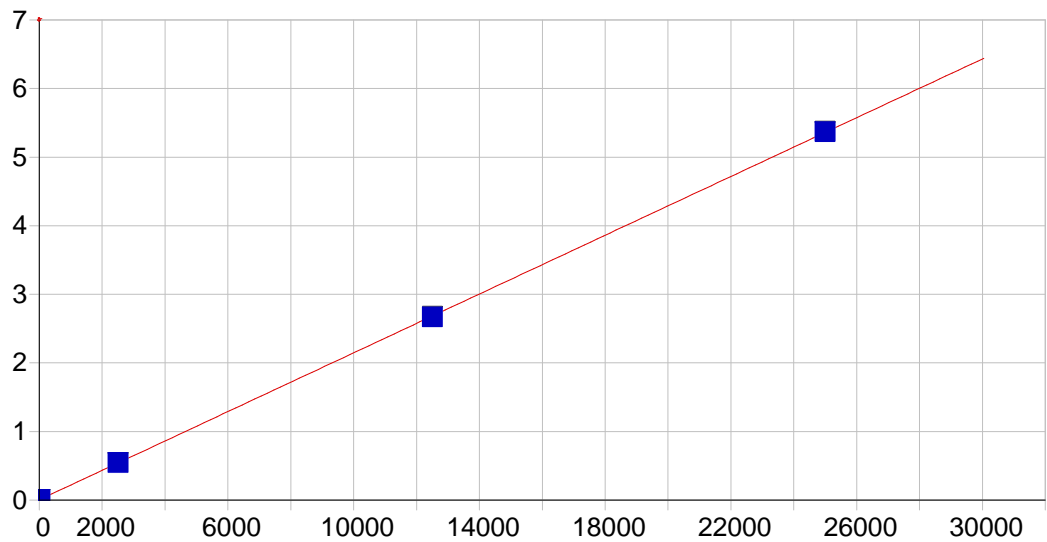


Co 228.616 {447}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000260 Re-Slope: 1.000000



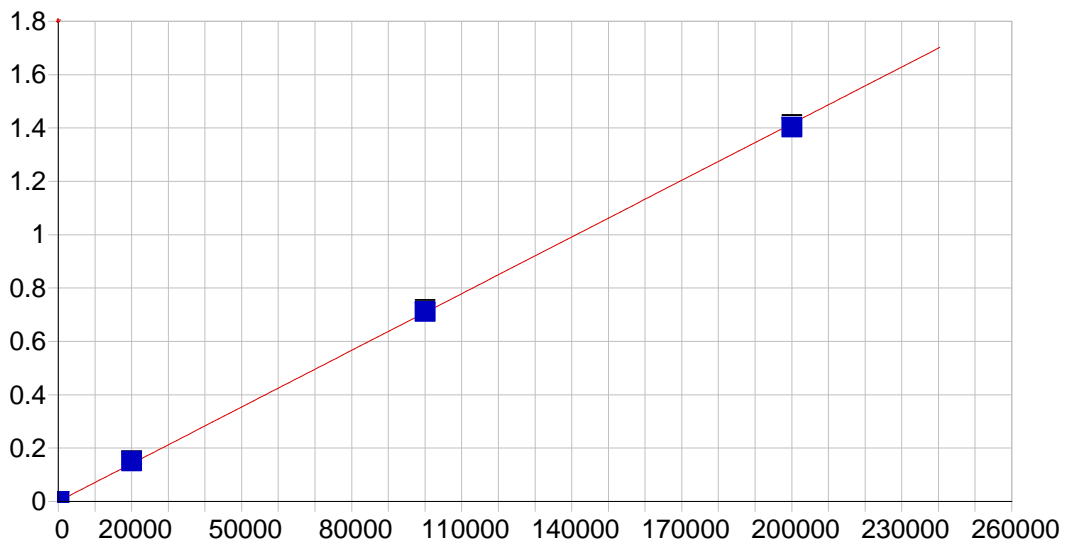


Cu 324.754 {104}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004771 Re-Slope: 1.000000
 A1 (Gain): 0.000214 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000031
 Predicted MDL: 0.390726
 Predicted MQL: 1.302421

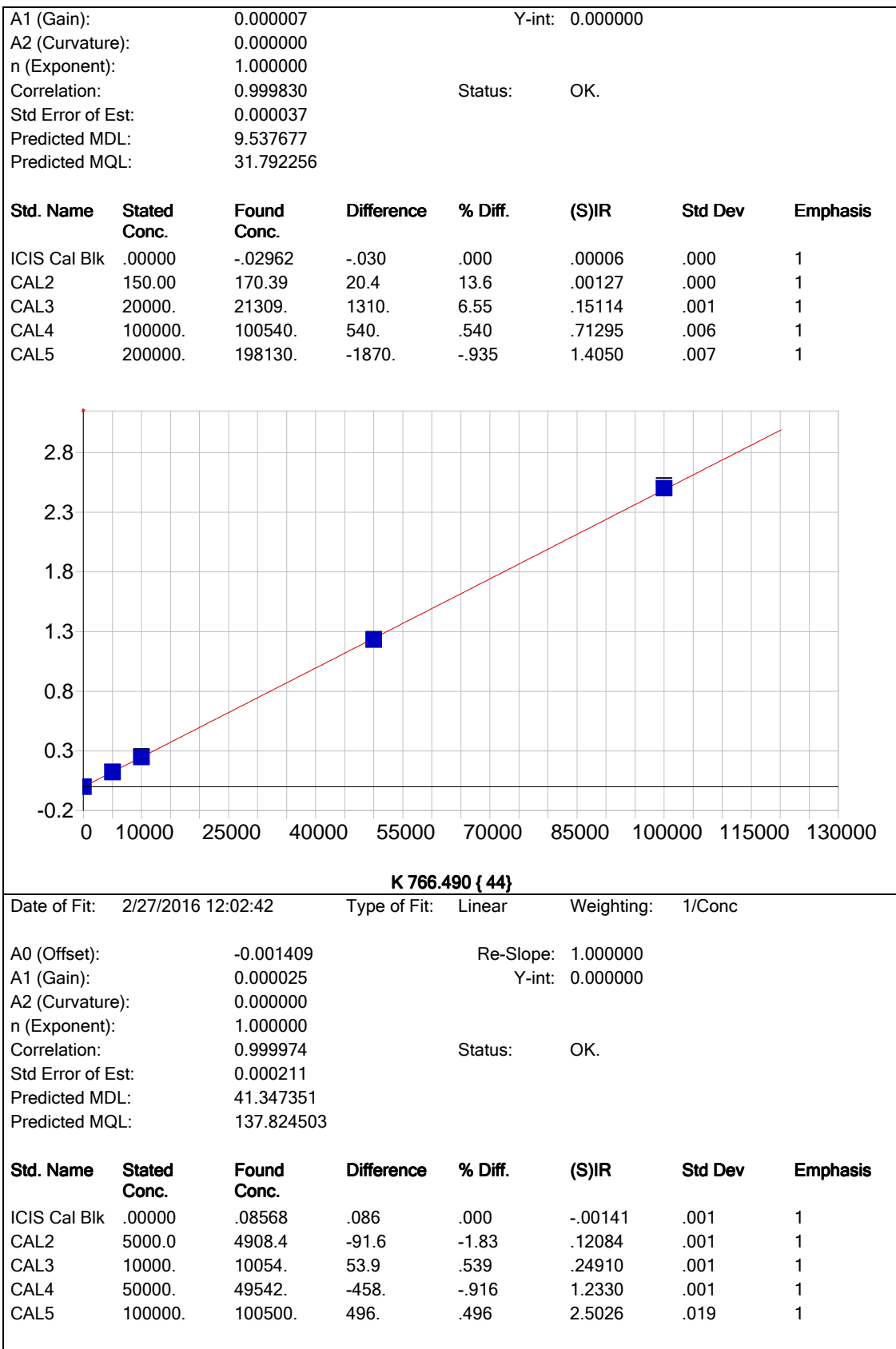
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00004	-.000	.000	.00477	.000	1
CAL2	25.000	24.953	-.047	-.190	.01011	.000	1
CAL3	2500.0	2516.3	16.3	.654	.54361	.002	1
CAL4	12500.	12438.	-62.4	-.499	2.6681	.010	1
CAL5	25000.	25046.	46.1	.184	5.3681	.007	1

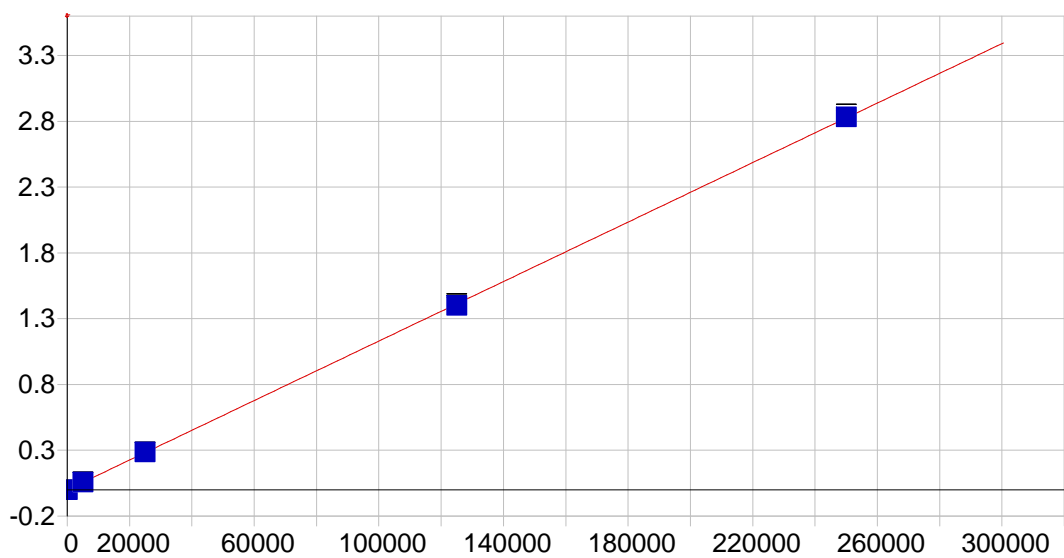


Fe 271.441 {124}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000055 Re-Slope: 1.000000



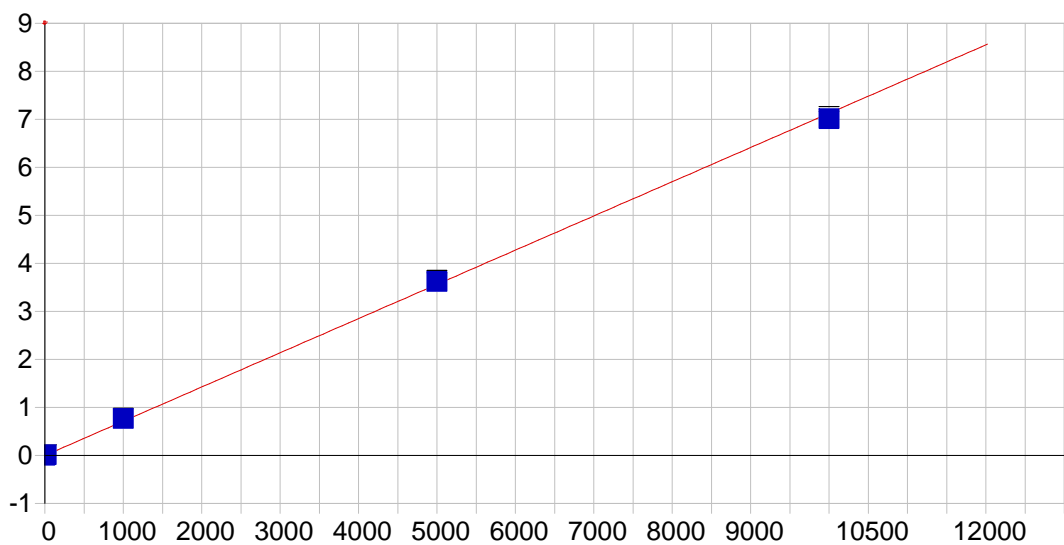


Mg 279.079 {121}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000026 Re-Slope: 1.000000
 A1 (Gain): 0.000011 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999981 Status: OK.
 Std Error of Est: 0.000129
 Predicted MDL: 5.460758
 Predicted MQL: 18.202527

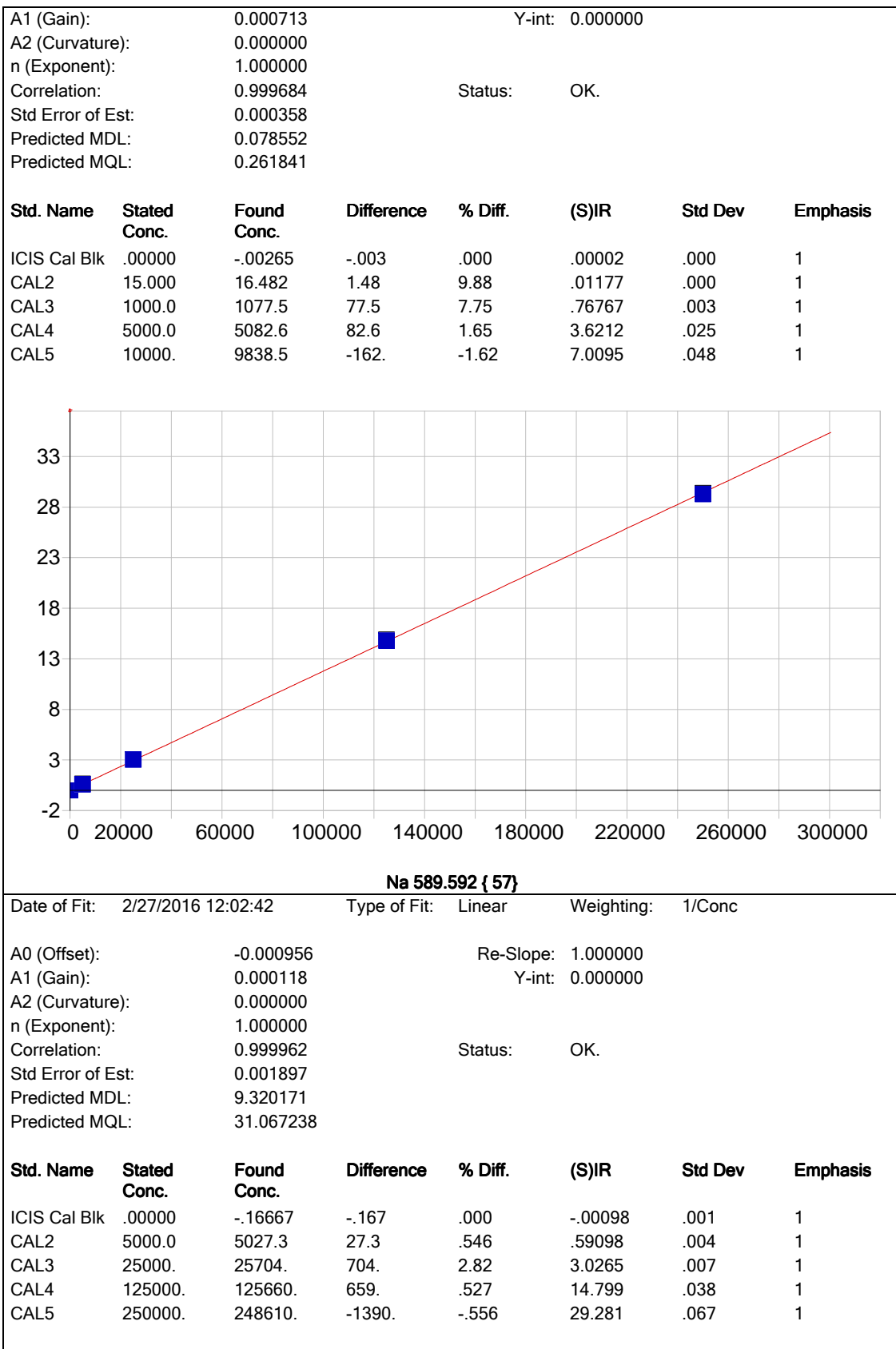
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.14271	-.143	.000	-.00003	.000	1
CAL2	5000.0	5116.8	117.	2.34	.05781	.000	1
CAL3	25000.	25271.	271.	1.08	.28542	.002	1
CAL4	125000.	123980.	-1020.	-.819	1.4003	.014	1
CAL5	250000.	250640.	637.	.255	2.8311	.023	1

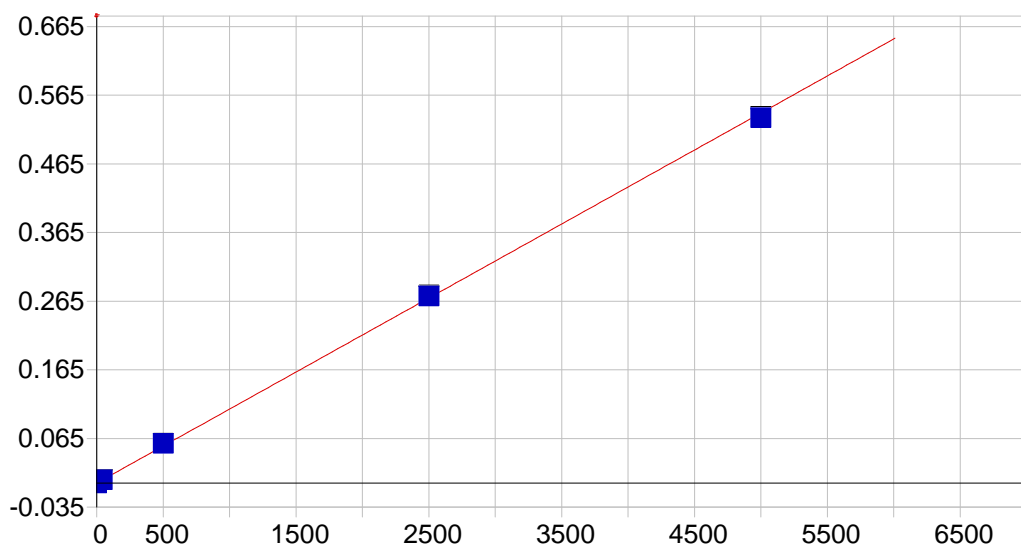


Mn 257.610 {131}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000023 Re-Slope: 1.000000



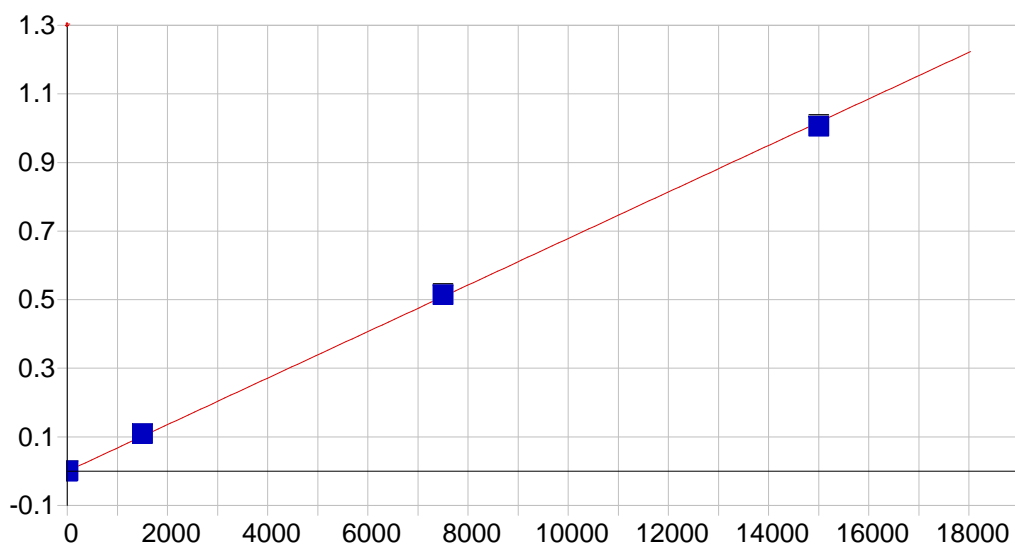


Ni 231.604 {446}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000040 Re-Slope: 1.000000
 A1 (Gain): 0.000108 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999746 Status: OK.
 Std Error of Est: 0.000056
 Predicted MDL: 0.708851
 Predicted MQL: 2.362838

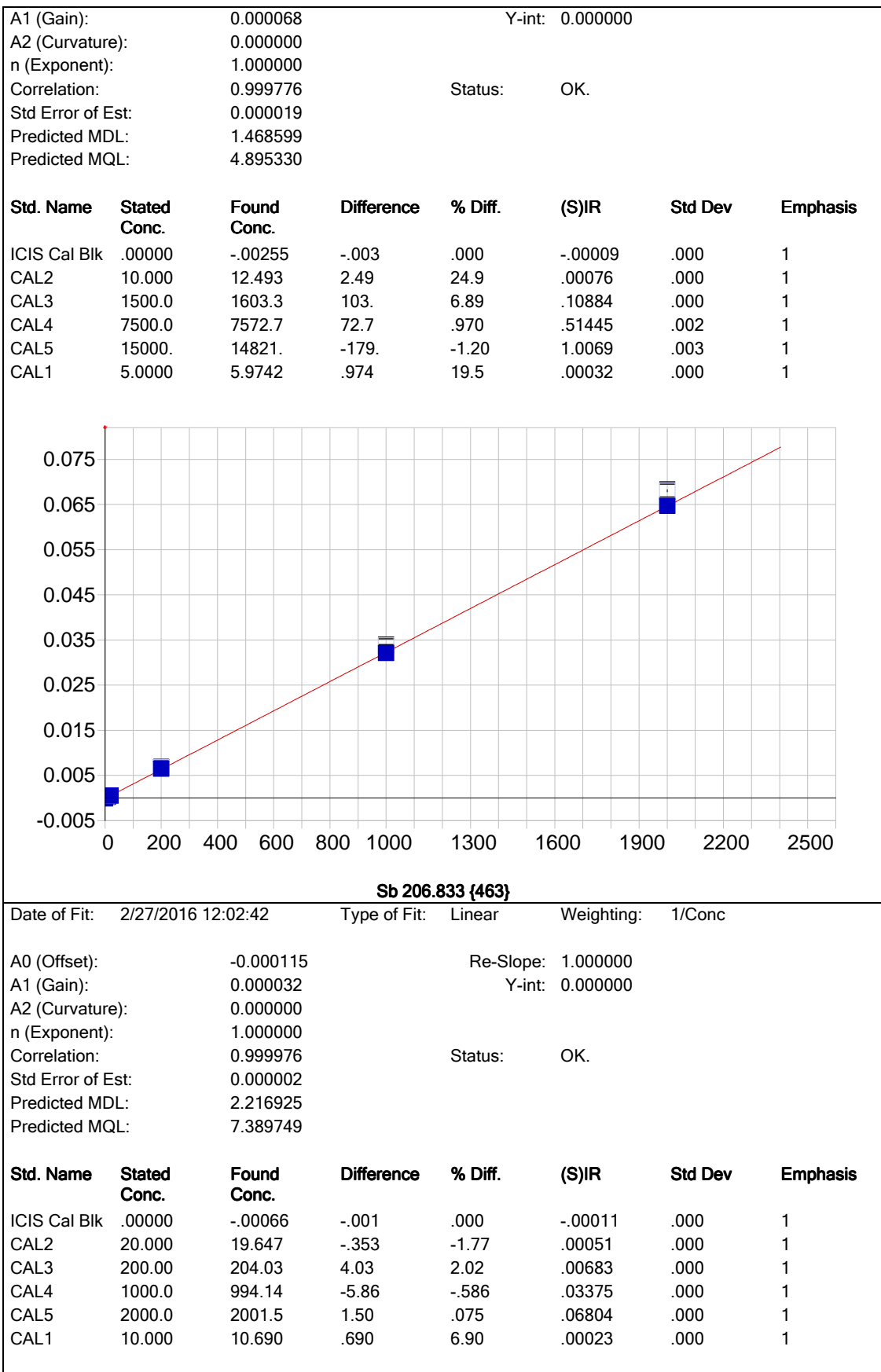
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00534	-.005	.000	-.00004	.000	1
CAL2	40.000	42.472	2.47	6.18	.00454	.000	1
CAL3	500.00	537.00	37.0	7.40	.05793	.000	1
CAL4	2500.0	2527.4	27.4	1.10	.27282	.001	1
CAL5	5000.0	4933.1	-66.9	-1.34	.53254	.002	1

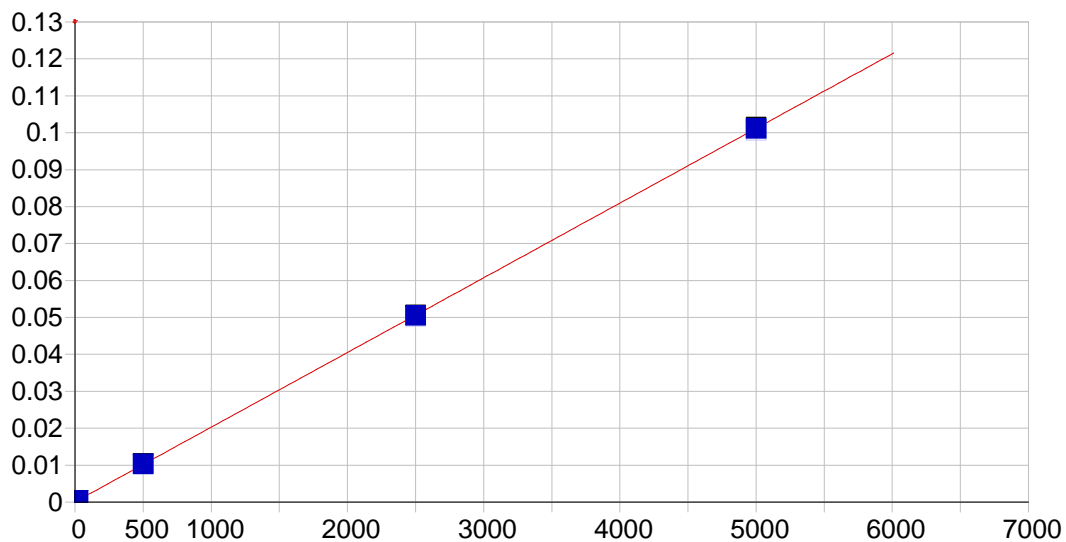


Pb 220.353 {453}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000088 Re-Slope: 1.000000



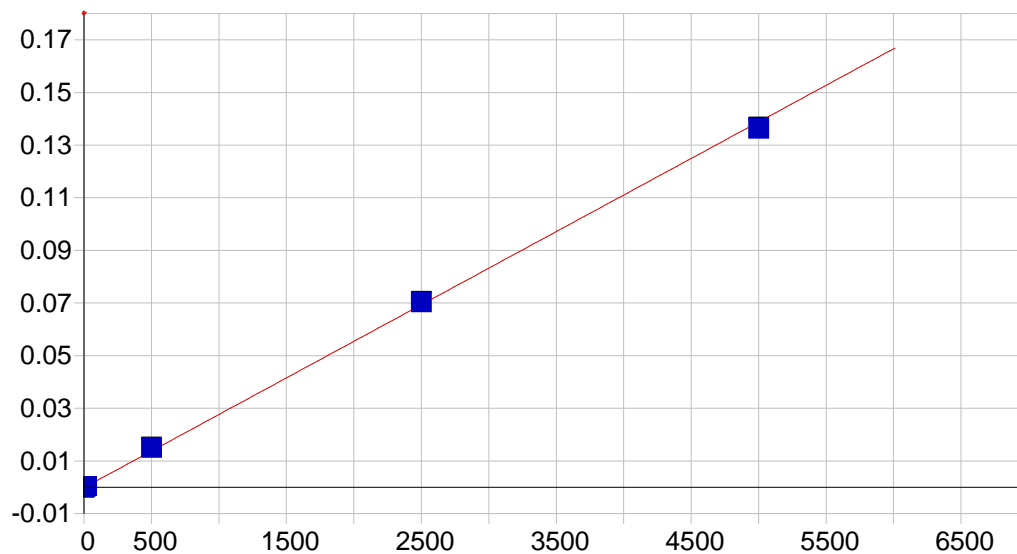


Se 196.090 {472}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

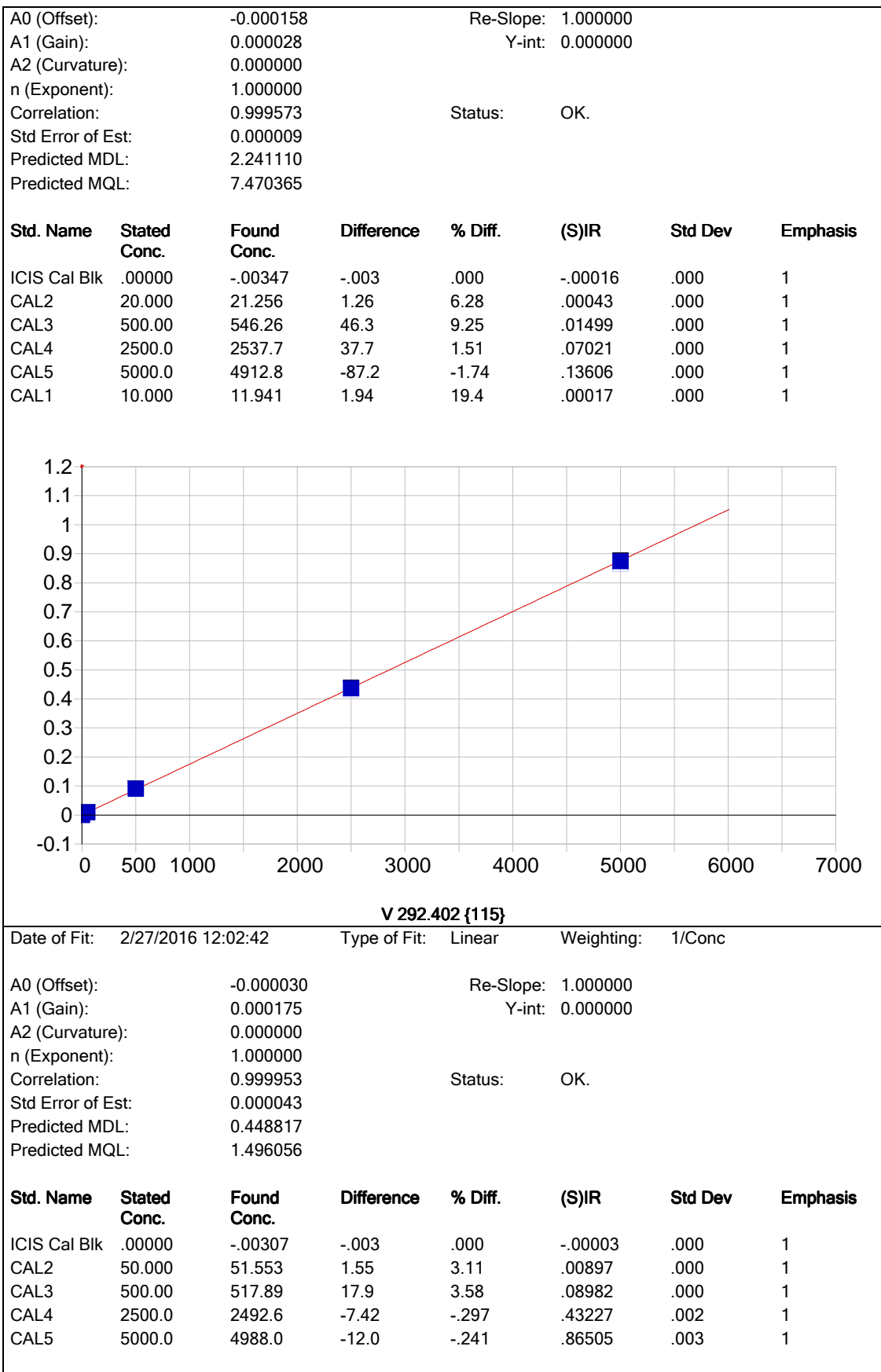
A0 (Offset): 0.000066 Re-Slope: 1.000000
 A1 (Gain): 0.000020 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999965 Status: OK.
 Std Error of Est: 0.000001
 Predicted MDL: 3.091984
 Predicted MQL: 10.306614

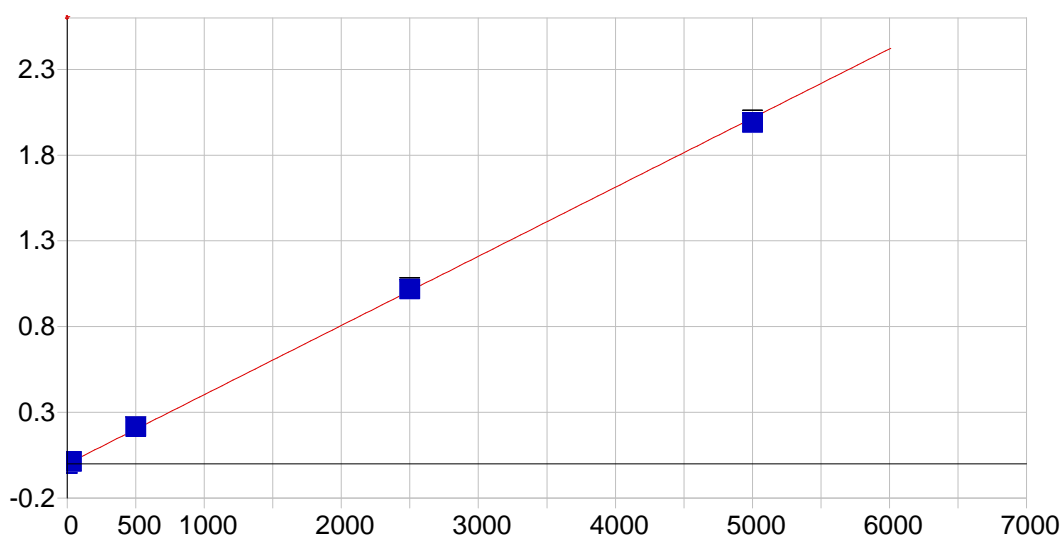
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00152	-.002	.000	.00007	.000	1
CAL2	20.000	19.798	-.202	-1.01	.00047	.000	1
CAL3	500.00	506.51	6.51	1.30	.01026	.000	1
CAL4	2500.0	2495.4	-4.55	-.182	.05029	.000	1
CAL5	5000.0	4996.7	-3.28	-.066	.10063	.000	1
CAL1	5.0000	6.5216	1.52	30.4	.00020	.000	1



TI 190.856 {477}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc



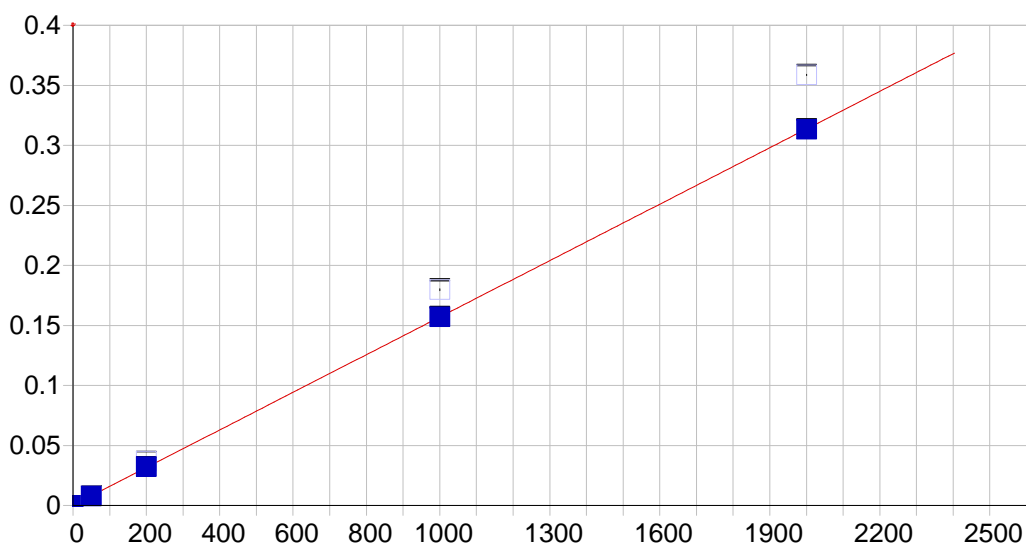


Zn 206.200 {463}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000031 Re-Slope: 1.000000
 A1 (Gain): 0.000403 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999742 Status: OK.
 Std Error of Est: 0.000183
 Predicted MDL: 0.191316
 Predicted MQL: 0.637721

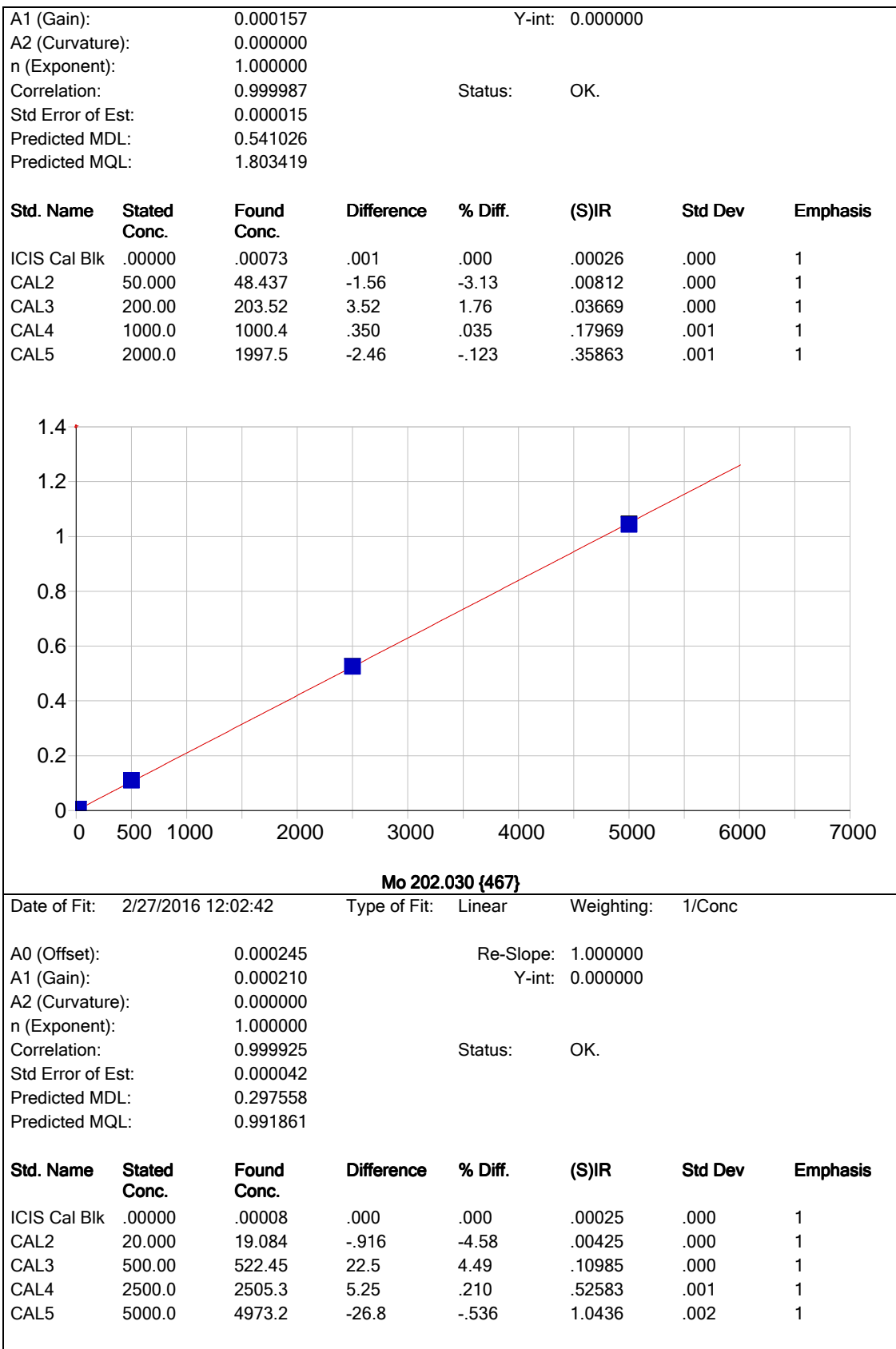
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00537	-.005	.000	-.00003	.000	1
CAL2	30.000	33.282	3.28	10.9	.01339	.000	1
CAL3	500.00	536.16	36.2	7.23	.21595	.000	1
CAL4	2500.0	2526.6	26.6	1.06	1.0177	.010	1
CAL5	5000.0	4934.0	-66.0	-1.32	1.9873	.015	1

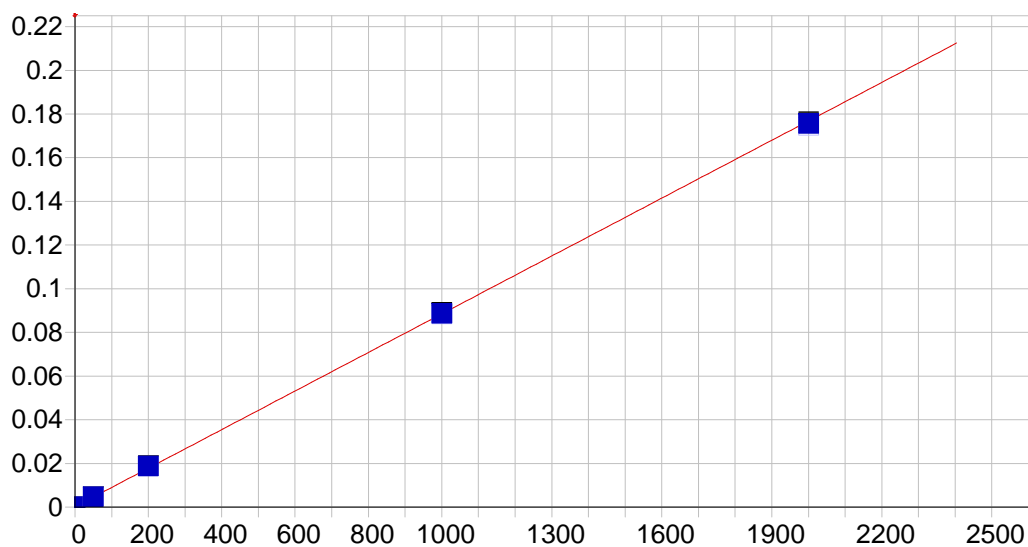


B 208.959 {461}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000257 Re-Slope: 1.000000



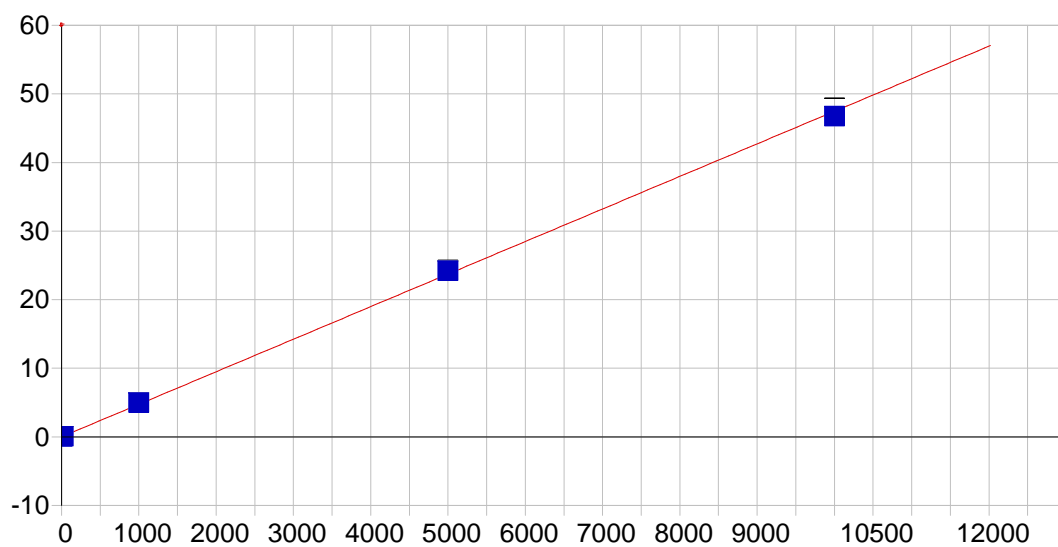


Sn 189.989 {477}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000153 Re-Slope: 1.000000
 A1 (Gain): 0.000088 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999890 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 0.692871
 Predicted MQL: 2.309568

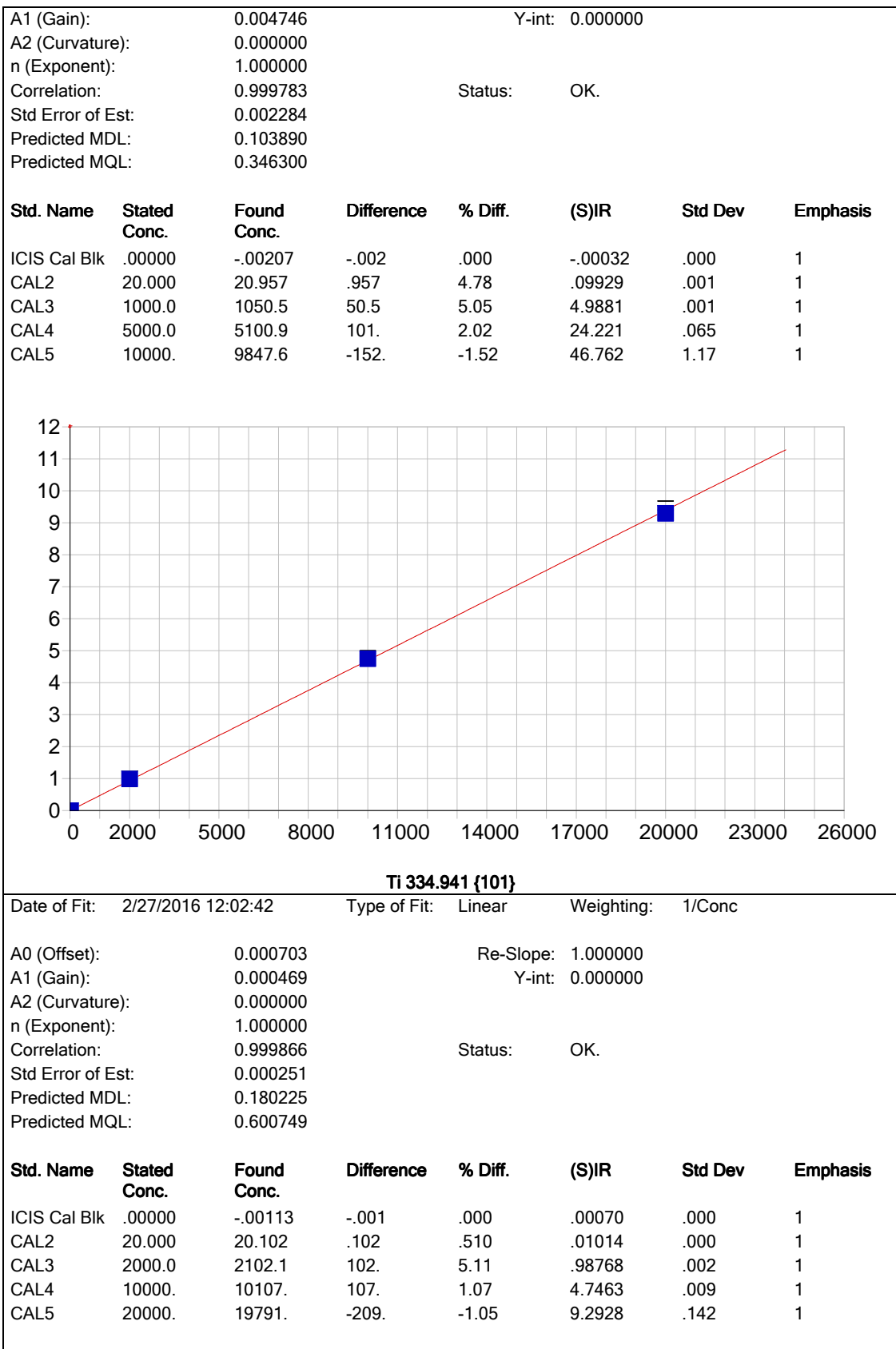
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00311	-.003	.000	.00015	.000	1
CAL2	50.000	50.601	.601	1.20	.00462	.000	1
CAL3	200.00	210.87	10.9	5.44	.01870	.000	1
CAL4	1000.0	1002.9	2.92	.292	.08836	.000	1
CAL5	2000.0	1985.6	-14.4	-.720	.17477	.001	1

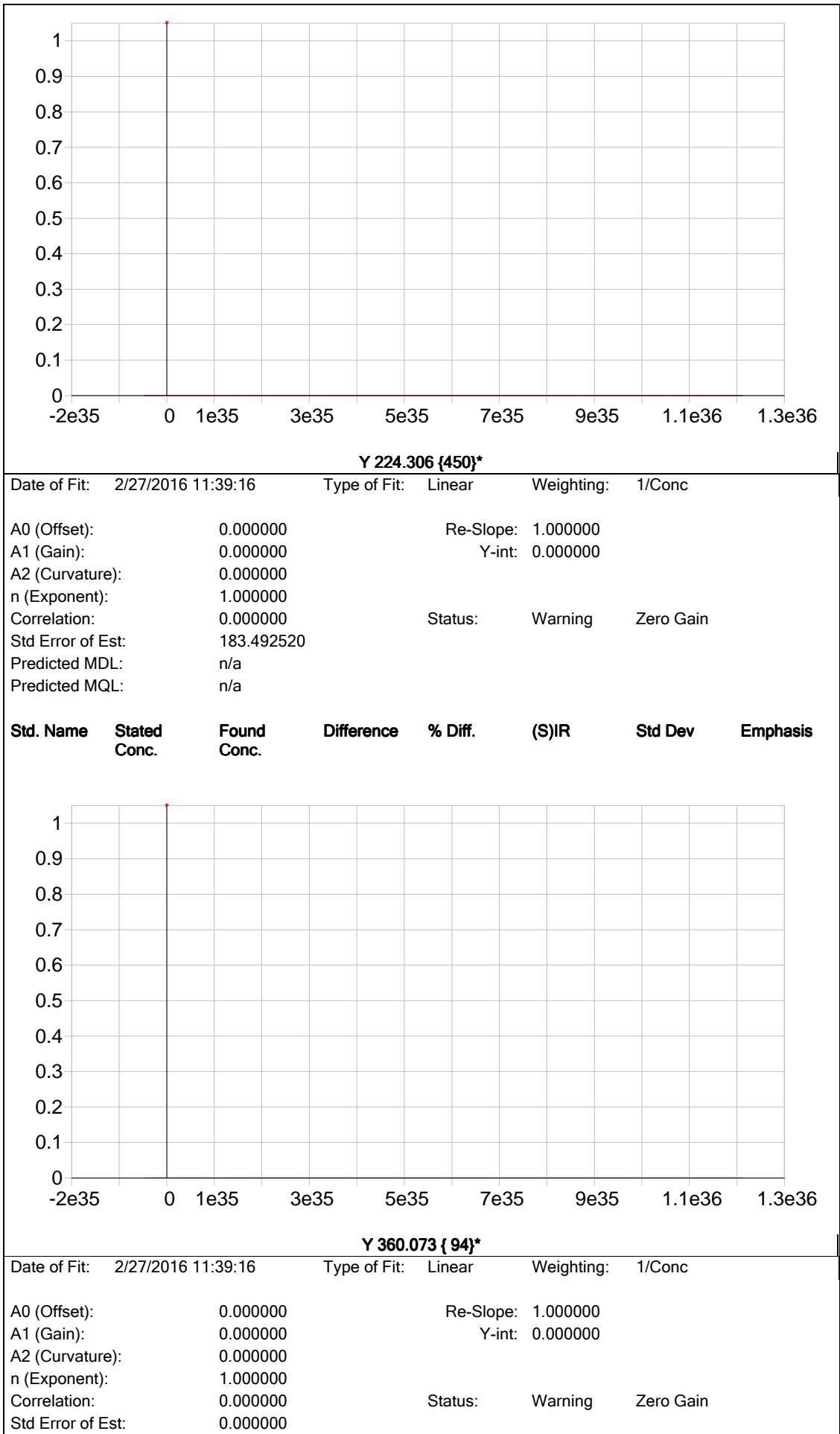


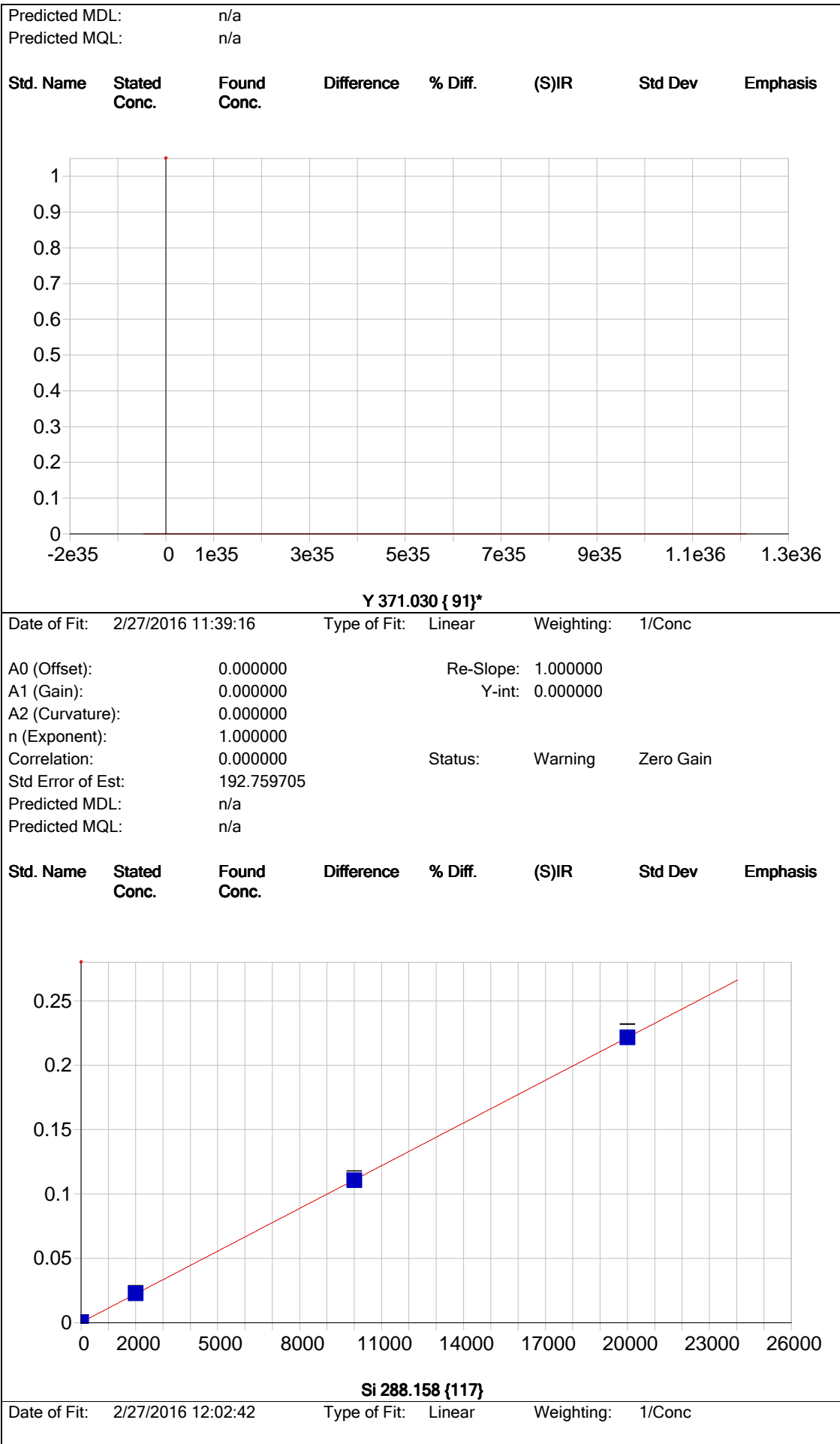
Sr 407.771 {83}

Date of Fit: 2/27/2016 12:02:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000311 Re-Slope: 1.000000







A0 (Offset):	0.000301	Re-Slope:	1.000000
A1 (Gain):	0.000011	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999992	Status:	OK.
Std Error of Est:	0.000015		
Predicted MDL:	19.452002		
Predicted MQL:	64.840006		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02362	-.024	.000	.00030	.000	1
CAL5	20000.	19996.	-3.67	-.018	.22115	.005	1
CAL3	2000.0	2029.1	29.1	1.45	.02271	.000	1
CAL4	10000.	9974.6	-25.4	-.254	.11046	.002	1

Sample Name: 460-109277-b-5-c@4 Acquired: 2/27/2016 16:20:38 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13520.	6.530	-.6189	40.17	.4279	1003.
Stddev	88.	.482	.7832	.15	.0174	8.
%RSD	.6521	7.386	126.5	.3689	4.056	.8157
#1	13420.	6.866	-.7111	40.00	.4422	996.7
#2	13560.	6.746	-1.352	40.27	.4328	1001.
#3	13570.	5.977	.2063	40.25	.4086	1013.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2844	3.350	21.54	6.081	12060.	740.5
Stddev	.2177	.117	.36	.599	129.	20.6
%RSD	76.56	3.484	1.664	9.846	1.067	2.783
#1	-.0442	3.346	21.96	6.505	11930.	760.3
#2	-.3400	3.469	21.33	6.342	12070.	719.1
#3	-.4688	3.236	21.34	5.396	12190.	742.1

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	533.9	34.86	107.1	6.949	15.27	.6554
Stddev	6.1	.19	10.1	.392	.86	.8991
%RSD	1.141	.5336	9.377	5.638	5.617	137.2
#1	529.3	34.76	109.4	7.113	16.02	1.264
#2	531.6	34.75	115.9	6.502	15.46	-.3773
#3	540.8	35.08	96.16	7.232	14.34	1.080

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

Sample Name: 460-109277-b-5-c@4 Acquired: 2/27/2016 16:20:38 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.527	1.088	25.36	33.37	2.385	.6316
Stddev	2.194	1.770	.29	.17	.137	.2878
%RSD	143.7	162.7	1.134	.5243	5.756	45.57
#1	2.377	-.6314	25.15	33.23	2.477	.5315
#2	3.169	.9905	25.24	33.31	2.451	.4072
#3	-.9652	2.906	25.69	33.56	2.228	.9561

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2425	9.339	191.5	955.0
Stddev	.7434	.048	1.5	12.8
%RSD	306.5	.5101	.7737	1.344
#1	-.0535	9.286	189.9	940.2
#2	-.3072	9.354	191.7	962.4
#3	1.088	9.378	192.9	962.5

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	9635.8	54041.	10206.
Stddev	39.8	315.	122.
%RSD	.41306	.58262	1.1962
#1	9590.2	53682.	10118.
#2	9654.0	54269.	10155.
#3	9663.3	54173.	10345.

Sample Name: 460-109277-b-7-c@4 Acquired: 2/27/2016 16:24:25 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2881.	1.578	-.5330	12.84	.0893	105.0
Stddev	10.	2.500	.2890	.01	.0838	3.3
%RSD	.3562	158.4	54.21	.0648	93.86	3.123
#1	2888.	1.418	-.7071	12.84	-.0015	101.5
#2	2869.	4.154	-.6924	12.84	.1637	105.5
#3	2885.	-.8378	-.1994	12.83	.1056	108.0

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1395	.6359	6.613	1.305	3717.	160.5
Stddev	.0746	.0692	.217	.209	9.	18.3
%RSD	53.48	10.88	3.283	15.99	.2499	11.39
#1	-.1603	.5692	6.365	1.306	3706.	181.5
#2	-.0567	.7073	6.709	1.514	3722.	151.5
#3	-.2014	.6311	6.766	1.096	3723.	148.4

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	150.9	16.68	154.0	3.042	12.13	1.615
Stddev	4.4	.09	11.4	.152	1.84	3.747
%RSD	2.889	.5611	7.388	4.997	15.18	232.0
#1	153.1	16.61	163.8	2.880	12.96	5.365
#2	153.7	16.78	156.7	3.063	10.02	1.609
#3	145.9	16.64	141.5	3.182	13.40	-2.129

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

Sample Name: 460-109277-b-7-c@4 Acquired: 2/27/2016 16:24:25 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.229	.2625	6.395	14.67	1.114	-.0448
Stddev	1.100	.9379	.172	.05	.335	.2312
%RSD	49.37	357.2	2.689	.3737	30.03	516.0
#1	1.009	1.343	6.269	14.70	.9773	-.3099
#2	3.146	-.2124	6.591	14.70	.8691	.1150
#3	2.532	-.3428	6.324	14.61	1.495	.0605

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4301	1.752	128.2	563.2
Stddev	.2838	.058	.3	23.5
%RSD	65.98	3.333	.2065	4.180
#1	.4725	1.719	127.9	548.8
#2	.6902	1.717	128.3	590.3
#3	.1275	1.819	128.4	550.4

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	9622.7	54114.	10214.
Stddev	19.3	413.	65.
%RSD	.20048	.76329	.63653
#1	9602.0	53784.	10282.
#2	9640.2	53981.	10206.
#3	9625.8	54577.	10153.

Sample Name: 460-109277-a-9-c@4 Acquired: 2/27/2016 16:28:17 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9876.	5.005	-.3044	64.42	.5080	1133.
Stddev	31.	2.209	.1832	.42	.1318	9.
%RSD	.3093	44.14	60.16	.6462	25.94	.7763
#1	9858.	5.125	-.0936	64.83	.5767	1123.
#2	9858.	2.739	-.3957	64.42	.3561	1139.
#3	9911.	7.152	-.4240	63.99	.5912	1136.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1067	1.057	14.28	3.203	10380.	277.8
Stddev	.0963	.224	.30	.163	18.	13.7
%RSD	90.19	21.17	2.091	5.077	.1729	4.912
#1	.0035	1.291	14.46	3.192	10360.	282.8
#2	-.1498	1.036	13.94	3.047	10400.	262.4
#3	-.1740	.8446	14.45	3.372	10380.	288.3

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	605.0	73.21	211.8	4.490	11.77	.2939
Stddev	4.7	.11	2.0	.505	.56	.9641
%RSD	.7741	.1517	.9304	11.26	4.764	328.0
#1	607.5	73.13	214.1	3.978	11.36	-.0519
#2	599.6	73.16	210.6	4.989	12.41	-.4496
#3	607.9	73.33	210.7	4.502	11.56	1.383

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

Sample Name: 460-109277-a-9-c@4 Acquired: 2/27/2016 16:28:17 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.821	-.3164	19.26	20.66	.9543	.3800
Stddev	3.084	1.078	.16	.04	.1287	.2390
%RSD	169.4	340.6	.8169	.1836	13.49	62.90
#1	1.244	.7574	19.42	20.70	.8239	.2207
#2	5.152	-.3084	19.27	20.66	1.081	.2646
#3	-.9340	-1.398	19.10	20.63	.9575	.6549

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0126	9.647	187.2	898.6
Stddev	.5809	.058	.3	6.5
%RSD	4614.	.5964	.1743	.7265
#1	.1390	9.585	186.8	891.2
#2	.5199	9.660	187.4	903.8
#3	-.6211	9.698	187.2	900.6

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	9694.2	54849.	10460.
Stddev	28.9	38.	166.
%RSD	.29852	.06899	1.5911
#1	9674.9	54820.	10332.
#2	9680.2	54892.	10648.
#3	9727.5	54835.	10401.

Sample Name: 460-109277-a-11-c@4 Acquired: 2/27/2016 16:32:07 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2520.	3.240	-.2826	12.28	.1616	79.20
Stddev	7.	1.119	.3367	.24	.1097	1.06
%RSD	.2670	34.54	119.1	1.937	67.88	1.336
#1	2528.	3.712	-.6706	12.04	.0659	77.98
#2	2519.	1.962	-.0673	12.29	.1375	79.90
#3	2514.	4.046	-.1100	12.51	.2813	79.72

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1578	.4286	7.142	.6725	4184.	113.9
Stddev	.1190	.2856	.140	.2127	12.	11.4
%RSD	75.43	66.63	1.955	31.63	.2768	9.968
#1	-.0731	.6704	7.193	.6172	4172.	127.0
#2	-.1064	.5020	6.985	.4929	4185.	107.5
#3	-.2939	.1135	7.250	.9075	4195.	107.2

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	136.8	14.48	276.8	.9789	8.981	1.563
Stddev	7.7	.16	2.4	.6314	.373	.792
%RSD	5.633	1.072	.8737	64.50	4.151	50.70
#1	144.7	14.33	274.1	1.004	8.979	2.346
#2	136.5	14.64	277.8	.3355	9.355	.7613
#3	129.3	14.46	278.6	1.598	8.609	1.581

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

Sample Name: 460-109277-a-11-c@4 Acquired: 2/27/2016 16:32:07 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.584	1.365	7.330	6.004	.7032	-.1866
Stddev	1.916	1.700	.089	.155	.1263	.0876
%RSD	121.0	124.5	1.215	2.580	17.97	46.94
#1	3.792	2.216	7.268	5.826	.7783	-.0960
#2	.5991	-.5918	7.432	6.082	.5573	-.1928
#3	.3608	2.472	7.291	6.105	.7739	-.2709

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7812	3.107	184.2	683.9
Stddev	.3093	.095	.6	16.1
%RSD	39.60	3.044	.3079	2.350
#1	-1.138	3.051	183.7	674.3
#2	-.5984	3.216	184.8	702.5
#3	-.6069	3.055	184.1	675.0

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	9558.6	53456.	9974.0
Stddev	60.5	335.	104.8
%RSD	.63326	.62753	1.0512
#1	9515.8	53070.	9983.8
#2	9532.2	53667.	10074.
#3	9627.9	53633.	9864.6

Sample Name: 460-109301-g-1-a@4 Acquired: 2/27/2016 16:35:59 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15400.	6.499	-7703	113.7	1.415	4567.
Stddev	69.	2.314	.4481	.9	.176	60.
%RSD	.4449	35.61	58.17	.7935	12.45	1.309
#1	15400.	3.920	-.5599	113.5	1.349	4598.
#2	15330.	8.393	-.4662	114.7	1.615	4498.
#3	15470.	7.184	-1.285	113.0	1.282	4605.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3425	22.69	47.68	61.80	39800.	4222.
Stddev	.0374	.18	.40	.52	321.	16.
%RSD	10.92	.8074	.8428	.8377	.8065	.3860
#1	-.3840	22.83	47.79	61.23	39950.	4231.
#2	-.3322	22.76	47.24	62.25	39430.	4203.
#3	-.3113	22.48	48.02	61.90	40010.	4232.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12100.	1470.	474.8	122.3	16.82	1.436
Stddev	131.	11.	6.1	1.7	1.19	1.374
%RSD	1.086	.7457	1.278	1.404	7.098	95.70
#1	12170.	1477.	480.7	124.3	17.23	2.937
#2	11950.	1458.	468.6	121.4	17.75	1.132
#3	12180.	1476.	474.9	121.2	15.47	.2388

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

Sample Name: 460-109301-g-1-a@4 Acquired: 2/27/2016 16:35:59 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.594	-.6882	79.99	97.13	3.415	.3278
Stddev	2.108	.4383	.03	.40	.090	.2829
%RSD	132.2	63.68	.0403	.4084	2.636	86.28
#1	-3.890	-.7273	79.99	96.93	3.388	.0653
#2	.2527	-1.106	79.97	96.87	3.342	.2907
#3	-1.146	-.2317	80.03	97.58	3.516	.6274

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7940	20.00	986.9	608.7
Stddev	.2321	.05	1.2	16.4
%RSD	29.24	.2622	.1192	2.691
#1	-.9966	20.03	987.7	589.8
#2	-.5407	20.03	985.5	617.5
#3	-.8447	19.94	987.4	618.7

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	9651.6	54530.	10285.
Stddev	62.5	1156.	266.
%RSD	.64804	2.1191	2.5821
#1	9628.2	53640.	10156.
#2	9722.4	55836.	10591.
#3	9604.1	54113.	10109.

Sample Name: 460-109301-g-2-b@4 Acquired: 2/27/2016 16:39:43 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25390.	12.43	-.2433	230.4	2.057	15040.
Stddev	41.	1.95	.4054	.4	.029	66.
%RSD	.1628	15.73	166.6	.1834	1.385	.4398
#1	25410.	13.02	.1835	230.0	2.024	15120.
#2	25340.	10.24	-.2902	230.4	2.070	14990.
#3	25420.	14.01	-.6233	230.8	2.076	15010.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3414	26.82	85.04	452.2	59250.	5680.
Stddev	.1161	.26	.29	.5	166.	14.
%RSD	34.00	.9648	.3391	.1176	.2798	.2383
#1	-.3929	26.66	85.17	451.7	59440.	5695.
#2	-.2085	27.12	84.71	452.4	59110.	5676.
#3	-.4228	26.68	85.24	452.7	59220.	5669.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11870.	1280.	969.8	146.4	274.7	2.207
Stddev	28.	3.	4.6	.5	1.1	2.331
%RSD	.2365	.2575	.4724	.3164	.4047	105.6
#1	11900.	1284.	965.3	146.0	273.7	2.041
#2	11850.	1277.	974.4	146.9	275.9	-.0357
#3	11850.	1279.	969.6	146.3	274.5	4.617

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

Sample Name: 460-109301-g-2-b@4 Acquired: 2/27/2016 16:39:43 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8033	1.561	87.85	2166.	6.771	3.587
Stddev	1.396	1.077	.72	2.	.282	.163
%RSD	173.8	68.94	.8156	.1078	4.170	4.541
#1	-.4548	.6600	87.72	2168.	6.555	3.400
#2	.5595	1.271	88.62	2167.	7.090	3.699
#3	2.305	2.753	87.20	2164.	6.666	3.661

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.611	84.38	1621.	922.7
Stddev	.836	.33	1.	29.1
%RSD	8.701	.3878	.0517	3.157
#1	10.38	84.09	1621.	890.1
#2	8.718	84.32	1620.	931.6
#3	9.739	84.73	1622.	946.3

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	9760.6	54894.	10572.
Stddev	20.3	504.	226.
%RSD	.20746	.91761	2.1346
#1	9737.4	54313.	10319.
#2	9769.9	55202.	10752.
#3	9774.6	55168.	10644.

Sample Name: pds 460-109408-a-1-a Acquired: 2/27/2016 16:43:27 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2073.	2105.	56.19	2053.	51.15	95160.
Stddev	26.	7.	.51	5.	.37	996.
%RSD	1.244	.3439	.9158	.2220	.7262	1.046

#1	2081.	2113.	55.87	2049.	50.94	94880.
#2	2094.	2100.	55.93	2058.	51.57	96260.
#3	2045.	2101.	56.79	2053.	50.92	94330.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.73	506.1	206.1	262.9	1081.	57130.
Stddev	.24	1.0	3.5	2.1	12.	366.
%RSD	.4795	.2021	1.699	.8089	1.153	.6411

#1	49.94	507.3	203.7	260.7	1072.	56810.
#2	49.79	505.5	210.1	263.1	1095.	57530.
#3	49.47	505.5	204.6	265.0	1077.	57060.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127200.	524.4	F 1087000.	511.4	497.9	510.6
Stddev	1118.	3.3	105100.	1.1	2.3	3.8
%RSD	.8784	.6234	9.675	.2177	.4671	.7472

#1	126700.	523.2	1204000.	510.9	500.6	513.4
#2	128500.	528.1	1053000.	512.7	496.8	506.3
#3	126500.	522.0	1002000.	510.7	496.3	512.1

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

Sample Name: pds 460-109408-a-1-a Acquired: 2/27/2016 16:43:27 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2108.	1998.	524.5	536.5	1050.	493.8
Stddev	12.	14.	5.1	3.2	7.	1.0
%RSD	.5547	.7231	.9687	.5964	.6444	.2066
#1	2104.	2003.	520.1	540.1	1047.	494.0
#2	2099.	1982.	530.1	535.6	1046.	492.7
#3	2121.	2009.	523.2	533.9	1058.	494.7

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	511.9	1596.	522.1	1822.
Stddev	2.8	4.	1.5	36.
%RSD	.5377	.2443	.2878	1.954
#1	513.5	1592.	521.1	1798.
#2	508.7	1598.	523.8	1806.
#3	513.5	1599.	521.3	1863.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8851.7	47982.	9731.6
Stddev	13.8	552.	249.6
%RSD	.15594	1.1512	2.5653
#1	8841.9	48323.	9869.3
#2	8867.5	47345.	9443.5
#3	8845.7	48278.	9882.1

Sample Name: 460-109408-a-1-c.ms Acquired: 2/27/2016 16:47:07 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2065.	2115.	51.34	2072.	51.35	99530.
Stddev	10.	5.	.73	2.	.22	515.
%RSD	.4633	.2599	1.415	.0987	.4287	.5179

#1	2076.	2110.	50.93	2071.	51.38	100100.
#2	2063.	2114.	52.18	2074.	51.54	99350.
#3	2057.	2121.	50.91	2070.	51.11	99130.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.02	509.9	206.3	264.6	1083.	59870.
Stddev	.25	.9	1.5	2.2	5.	23.
%RSD	.4986	.1738	.7427	.8128	.4990	.0390

#1	50.11	509.6	207.2	262.7	1083.	59860.
#2	50.21	510.9	207.3	266.9	1088.	59870.
#3	49.74	509.3	204.6	264.1	1078.	59900.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	133100.	526.7	F 1053000.	515.2	502.2	526.3
Stddev	757.	1.3	47910.	1.2	2.9	7.2
%RSD	.5689	.2535	4.548	.2356	.5861	1.364

#1	133900.	528.2	1106000.	515.7	505.3	519.5
#2	132800.	526.4	1013000.	516.2	501.9	533.8
#3	132500.	525.6	1041000.	513.9	499.5	525.6

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

Sample Name: 460-109408-a-1-c ms Acquired: 2/27/2016 16:47:07 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2122.	2008.	525.4	539.0	1088.	499.3
Stddev	21.	15.	2.9	4.6	10.	3.5
%RSD	.9878	.7595	.5566	.8498	.9238	.6972
#1	2098.	1990.	526.3	543.7	1077.	495.4
#2	2136.	2018.	527.8	538.5	1093.	502.0
#3	2131.	2014.	522.1	534.6	1095.	500.4

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	511.6	1670.	524.1	2173.
Stddev	1.4	2.	.8	751.
%RSD	.2651	.1178	.1608	34.55
#1	511.0	1668.	523.2	1678.
#2	513.1	1672.	524.0	3037.
#3	510.6	1671.	524.9	1804.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8743.8	47729.	9756.3
Stddev	41.3	361.	217.6
%RSD	.47189	.75660	2.2299
#1	8696.5	47312.	9515.4
#2	8772.1	47952.	9815.1
#3	8762.9	47921.	9938.4

Sample Name: 460-109408-a-1-b du Acquired: 2/27/2016 16:50:47 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72.73	4.857	-1.1614	60.13	-.0833	78950.
Stddev	5.86	1.327	.6192	.40	.0984	531.
%RSD	8.061	27.33	383.7	.6723	118.0	.6728

#1	69.05	6.316	-.7451	60.46	-.0298	79010.
#2	79.49	4.533	-.2270	60.24	-.0234	79450.
#3	69.65	3.722	.4880	59.68	-.1969	78390.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0787	5.109	.2289	1.458	35.54	40280.
Stddev	.0695	.213	.4845	.192	6.67	104.
%RSD	88.21	4.173	211.7	13.17	18.77	.2580

#1	.0538	4.963	.2718	1.257	34.01	40180.
#2	.0252	5.011	-.2756	1.477	29.77	40280.
#3	.1572	5.354	.6905	1.640	42.85	40390.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	112100.	3.842	F 1027000.	5.606	.1859	2.998
Stddev	644.	.080	40360.	.228	.7185	2.246
%RSD	.5743	2.069	3.928	4.070	386.5	74.93

#1	112000.	3.920	1073000.	5.742	-.0731	1.741
#2	112800.	3.843	995500.	5.343	.9980	1.662
#3	111500.	3.762	1014000.	5.735	-.3672	5.592

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

Sample Name: 460-109408-a-1-b du Acquired: 2/27/2016 16:50:47 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.79	.8300	6.275	14.35	576.4	7.905
Stddev	.84	1.668	.303	.26	.9	.012
%RSD	7.809	201.0	4.832	1.827	.1561	.1533
#1	10.00	-.2631	6.543	14.64	575.8	7.917
#2	10.70	2.750	5.946	14.25	577.5	7.906
#3	11.68	.0031	6.337	14.15	576.1	7.893

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1988	1154.	2.668	1716.
Stddev	.6333	1.	.063	24.
%RSD	318.6	.0728	2.359	1.414
#1	-.7576	1154.	2.740	1696.
#2	-.3279	1155.	2.623	1743.
#3	.4892	1154.	2.641	1710.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8786.9	48022.	9781.5
Stddev	42.5	371.	156.4
%RSD	.48369	.77286	1.5985
#1	8754.5	48009.	9635.6
#2	8771.2	47658.	9946.6
#3	8835.0	48400.	9762.2

Sample Name: lcs 460-352761/2-a Acquired: 2/27/2016 16:54:47 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1902.	1927.	46.09	1960.	49.80	19190.
Stddev	15.	4.	.48	5.	.31	123.
%RSD	.7803	.2253	1.048	.2511	.6318	.6420

#1	1918.	1924.	45.63	1955.	50.16	19250.
#2	1900.	1925.	46.06	1962.	49.68	19270.
#3	1888.	1932.	46.59	1964.	49.56	19050.

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	49.56	495.8	201.3	237.1	1029.	17900.
Stddev	.14	1.1	2.9	1.2	3.	103.
%RSD	.2864	.2165	1.446	.5060	.3165	.5743

#1	49.42	495.3	199.3	236.2	1026.	18010.
#2	49.70	497.0	204.6	238.5	1033.	17870.
#3	49.56	495.0	200.0	236.7	1029.	17810.

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	18520.	509.8	19320.	508.4	503.0	486.8
Stddev	82.	2.1	57.	.6	.6	2.0
%RSD	.4433	.4150	.2967	.1169	.1134	.4112

#1	18520.	510.5	19370.	508.1	502.4	488.8
#2	18610.	511.4	19340.	509.1	503.6	486.7
#3	18440.	507.4	19260.	508.0	503.0	484.8

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

Sample Name: lcs 460-352761/2-a Acquired: 2/27/2016 16:54:47 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1932.	2102.	496.7	507.9	489.0	473.1
Stddev	2.	3.	4.2	1.5	1.0	.3
%RSD	.0798	.1330	.8528	.2973	.1995	.0658

#1	1931.	2104.	495.6	506.1	487.9	473.1
#2	1934.	2104.	501.4	508.6	489.3	472.8
#3	1932.	2099.	493.1	508.9	489.7	473.4

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	503.1	490.7	498.7	121.9
Stddev	2.5	.8	.5	7.6
%RSD	.4975	.1672	.0948	6.235

#1	500.5	490.7	499.2	117.0
#2	505.5	490.0	498.4	118.0
#3	503.2	491.6	498.4	130.7

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	9589.5	53122.	10381.
Stddev	17.5	519.	318.
%RSD	.18220	.97690	3.0632

#1	9608.5	53065.	10112.
#2	9574.1	52634.	10298.
#3	9585.8	53667.	10732.

Sample Name: CCV Acquired: 2/27/2016 16:58:21 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124100.	2532.	1242.	10110.	1009.	124700.
Stddev	188.	6.	1.	7.	3.	938.
%RSD	.1512	.2483	.1080	.0701	.2655	.7527

#1	123900.	2528.	1242.	10100.	1010.	125700.
#2	124000.	2529.	1244.	10120.	1006.	124300.
#3	124300.	2539.	1241.	10110.	1011.	124000.

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	1263.	2532.	4994.	12560.	100700.	50180.
Stddev	3.	3.	28.	48.	617.	157.
%RSD	.2055	.1251	.5524	.3842	.6122	.3132

#1	1265.	2530.	5026.	12500.	101400.	50040.
#2	1264.	2536.	4981.	12580.	100500.	50140.
#3	1260.	2532.	4975.	12600.	100300.	50350.

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	123300.	5116.	125200.	2547.	7629.	1004.
Stddev	834.	22.	287.	3.	17.	8.
%RSD	.6763	.4227	.2294	.1208	.2170	.8423

#1	124200.	5141.	125400.	2547.	7637.	995.8
#2	123000.	5106.	124900.	2550.	7640.	1013.
#3	122600.	5101.	125300.	2544.	7610.	1004.

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

Sample Name: CCV Acquired: 2/27/2016 16:58:21 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2525.	2605.	2492.	2548.	1004.	2471.
Stddev	2.	6.	7.	16.	5.	4.
%RSD	.0628	.2145	.2612	.6457	.5258	.1795

#1	2526.	2598.	2499.	2563.	998.1	2467.
#2	2525.	2607.	2488.	2550.	1006.	2476.
#3	2523.	2609.	2488.	2530.	1008.	2472.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1008.	5073.	10160.	9834.
Stddev	1.	8.	11.	55.
%RSD	.1428	.1640	.1040	.5614

#1	1009.	5065.	10170.	9831.
#2	1006.	5072.	10160.	9780.
#3	1008.	5082.	10150.	9890.

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	9090.8	50844.	9870.6
Stddev	51.5	595.	65.3
%RSD	.56620	1.1701	.66194

#1	9032.2	50159.	9796.2
#2	9111.6	51143.	9896.8
#3	9128.7	51230.	9918.7

Sample Name: CCB Acquired: 2/27/2016 17:01:49 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.966	2.301	-.3059	.2502	-.0597	-25.77
Stddev	13.96	1.929	.2653	.0874	.1361	3.18
%RSD	281.0	83.81	86.71	34.93	227.8	12.33
#1	1.494	.6232	-.1640	.3505	.0359	-22.11
#2	-6.928	1.873	-.6120	.1900	.0005	-27.72
#3	20.33	4.408	-.1418	.2102	-.2155	-27.49

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0424	.1065	.3630	-.4119	10.44	76.42
Stddev	.1081	.2279	.3978	.5911	1.97	13.71
%RSD	255.1	214.0	109.6	143.5	18.86	17.94
#1	-.0810	.0003	.5245	.1878	12.62	92.16
#2	.1205	.3681	-.0902	-.9940	8.790	69.98
#3	.0877	-.0490	.6545	-.4294	9.918	67.12

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.244	.1795	142.2	.0145	.4405	1.540
Stddev	4.319	.1014	27.3	.1420	1.672	1.817
%RSD	192.5	56.52	19.22	980.1	379.6	117.9
#1	6.122	.2890	172.7	-.0632	1.585	.6560
#2	-2.410	.1606	133.8	.1783	-1.478	.3351
#3	3.020	.0888	120.0	-.0717	1.214	3.630

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

Sample Name: CCB Acquired: 2/27/2016 17:01:49 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.714	-.1952	.0525	.1422	3.114	1.423
Stddev	1.300	.2433	.2770	.1303	1.072	.279
%RSD	22.76	124.7	527.3	91.63	34.44	19.63
#1	4.227	-.4401	.3539	.1023	4.168	1.579
#2	6.635	-.1920	-.0054	.0365	3.150	1.100
#3	6.280	.0465	-.1909	.2878	2.024	1.589

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2122	.1133	1.075	10.15
Stddev	.2805	.0452	.251	25.70
%RSD	132.2	39.92	23.31	253.2
#1	.1447	.0938	.8106	23.49
#2	.5203	.0811	1.107	-19.47
#3	-.0284	.1650	1.309	26.44

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	9620.0	53355.	9984.0
Stddev	145.7	951.	260.3
%RSD	1.5144	1.7821	2.6073
#1	9455.5	52912.	10168.
#2	9671.7	52707.	9686.2
#3	9732.7	54447.	10097.

Sample Name: CCVL Acquired: 2/27/2016 17:05:43 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	183.1	15.08	8.193	186.5	1.814	4465.
Stddev	13.4	1.21	.309	.6	.071	34.
%RSD	7.324	8.005	3.776	.2984	3.891	.7651

#1	189.6	14.00	7.865	185.9	1.799	4440.
#2	167.7	14.85	8.480	186.5	1.751	4504.
#3	192.1	16.38	8.234	187.1	1.890	4453.

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	3.804	47.35	9.646	22.42	155.8	4514.
Stddev	.046	.07	.457	.20	9.1	23.
%RSD	1.215	.1473	4.742	.9109	5.816	.5151

#1	3.751	47.30	9.381	22.66	157.2	4503.
#2	3.829	47.31	9.382	22.29	164.1	4541.
#3	3.832	47.43	10.17	22.31	146.1	4498.

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	4466.	14.80	4633.	38.49	10.53	19.06
Stddev	32.	.05	22.	.70	.99	.52
%RSD	.7087	.3192	.4645	1.823	9.411	2.715

#1	4434.	14.80	4627.	39.03	9.532	19.62
#2	4497.	14.85	4657.	38.75	10.54	18.60
#3	4468.	14.75	4615.	37.70	11.51	18.95

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

Sample Name: CCVL Acquired: 2/27/2016 17:05:43 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.99	19.12	45.42	30.61	45.44	17.56
Stddev	.95	1.22	.33	.27	.34	.30
%RSD	4.529	6.386	.7216	.8947	.7577	1.689
#1	21.26	19.22	45.08	30.50	45.82	17.31
#2	21.77	17.86	45.73	30.92	45.37	17.49
#3	19.93	20.30	45.43	30.40	45.14	17.89

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	45.52	18.74	18.30	F 6.139
Stddev	.46	.10	.24	15.36
%RSD	1.021	.5287	1.286	250.2
#1	45.00	18.68	18.17	-2.155
#2	45.90	18.69	18.16	23.86
#3	45.67	18.86	18.57	-3.289

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	9730.2	54086.	10259.
Stddev	52.5	534.	301.
%RSD	.53953	.98812	2.9381
#1	9694.5	54244.	10279.
#2	9705.6	53491.	9947.4
#3	9790.4	54525.	10549.

Sample Name: mb 460-352761/1-a Acquired: 2/27/2016 17:09:35 Type: QC

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2779	1.654	.1201	-.0001	-.0756	-31.55
Stddev	5.177	1.078	.3684	.0964	.0592	3.73
%RSD	1863.	65.19	306.6	102300.	78.42	11.83

#1	.6681	2.108	.2219	.1067	-.1324	-27.87
#2	-5.083	2.431	.4270	-.0264	-.0142	-35.33
#3	5.248	.4229	-.2884	-.0806	-.0800	-31.46

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0076	-.0654	.7676	-.2131	4.480	27.84
Stddev	.0593	.0933	.1705	.1391	2.656	36.69
%RSD	783.9	142.6	22.21	65.27	59.27	131.8

#1	-.0457	.0058	.9135	-.3134	3.933	-14.50
#2	-.0377	-.0310	.5802	-.2717	7.367	50.25
#3	.0607	-.1711	.8091	-.0543	2.141	47.78

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.711	-.0312	62.24	.0873	.7694	2.090
Stddev	2.813	.0347	5.36	.3333	1.189	1.165
%RSD	164.4	111.0	8.619	381.8	154.5	55.73

#1	4.687	-.0238	56.87	.3701	1.639	2.229
#2	-.9039	-.0009	67.60	-.2802	1.254	3.180
#3	1.350	-.0690	62.23	.1721	-.5850	.8621

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

Sample Name: mb 460-352761/1-a Acquired: 2/27/2016 17:09:35 Type: QC

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.225	.6844	.1806	-.0675	1.091	-.4021
Stddev	2.155	3.210	.1647	.1807	.724	.5435
%RSD	66.83	469.1	91.15	267.6	66.38	135.2

#1	2.558	4.390	.3138	.1400	1.885	-.6059
#2	1.482	-1.094	-.0035	-.1527	.9207	.2139
#3	5.635	-1.243	.2315	-.1900	.4669	-.8141

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3016	.0074	-1.076	9.691
Stddev	.4262	.0456	.082	11.01
%RSD	141.3	618.8	7.636	113.6

#1	.0140	-.0177	-1.105	9.411
#2	-.1324	.0600	-.9833	-1.177
#3	-.7865	-.0202	-1.140	20.84

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9620.3	53881.	10060.
Stddev	27.5	307.	549.
%RSD	.28548	.56929	5.4564

#1	9634.1	53664.	10585.
#2	9638.2	53747.	9489.8
#3	9588.7	54232.	10104.

Sample Name: 460-109408-a-1-a Acquired: 2/27/2016 17:13:26 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75.62	5.016	-6.401	57.81	-0.0223	77020.
Stddev	10.72	1.555	.5357	.43	.0404	585.
%RSD	14.18	30.99	83.70	.7475	181.3	.7597

#1	81.94	5.237	-0.0489	57.37	-0.0029	77300.
#2	63.23	6.449	-7.780	57.82	.0048	77420.
#3	81.67	3.363	-1.093	58.23	-0.0687	76350.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0758	5.145	.2830	1.795	34.68	38720.
Stddev	.1050	.207	.1957	.276	9.85	149.
%RSD	138.6	4.017	69.17	15.39	28.41	.3842

#1	.0936	5.199	.4261	1.872	32.81	38550.
#2	-.0370	4.916	.0599	1.488	45.33	38790.
#3	.1707	5.318	.3629	2.024	25.89	38820.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	109800.	3.966	F 1064000.	6.149	1.375	5.024
Stddev	810.	.085	104900.	.331	.557	.695
%RSD	.7378	2.150	9.858	5.377	40.53	13.84

#1	110100.	4.024	1185000.	6.046	1.198	4.416
#2	110400.	4.006	1009000.	5.881	1.999	5.782
#3	108900.	3.868	998100.	6.518	.9277	4.873

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

Sample Name: 460-109408-a-1-a Acquired: 2/27/2016 17:13:26 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.675	-5.522	6.545	14.19	554.0	7.227
Stddev	.921	2.199	.470	.14	1.9	.153
%RSD	10.61	398.1	7.186	.9814	.3396	2.119
#1	9.574	-1.210	6.046	14.12	553.0	7.085
#2	8.717	-2.347	6.611	14.35	552.9	7.389
#3	7.734	1.900	6.980	14.10	556.2	7.206

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9140	1119.	2.540	1617.
Stddev	.6556	2.	.036	42.
%RSD	71.73	.2132	1.403	2.585
#1	-.1580	1117.	2.556	1568.
#2	-1.257	1122.	2.564	1641.
#3	-1.327	1118.	2.499	1641.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8783.9	47549.	9763.1
Stddev	8.3	417.	258.2
%RSD	.09448	.87789	2.6446
#1	8775.4	47361.	9465.0
#2	8784.4	47259.	9915.1
#3	8792.0	48028.	9909.3

Sample Name: sd 460-109408-a-1-a@ Acquired: 2/27/2016 17:17:23 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.91	3.703	-.3901	11.48	.0221	14910.
Stddev	6.90	.554	.1314	.24	.0124	146.
%RSD	27.70	14.96	33.68	2.132	55.97	.9796
#1	27.41	3.892	-.4857	11.62	.0177	14750.
#2	30.20	3.079	-.2403	11.19	.0125	14920.
#3	17.11	4.138	-.4442	11.61	.0361	15040.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0314	1.156	.3143	.0889	-1.912	7456.
Stddev	.1082	.142	.9138	.4248	4.774	45.
%RSD	345.1	12.28	290.8	477.9	249.7	.6064
#1	.0649	1.307	-.0605	-.3495	3.571	7437.
#2	-.0105	1.135	-.3526	.1175	-5.149	7508.
#3	-.1485	1.025	1.356	.4987	-4.157	7423.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21120.	.8531	245800.	1.293	1.497	.7544
Stddev	206.	.0413	653.	.683	.859	2.189
%RSD	.9773	4.844	.2658	52.80	57.40	290.2
#1	20890.	.8056	245100.	.5063	1.457	1.451
#2	21160.	.8731	246200.	1.644	2.376	2.510
#3	21300.	.8806	246200.	1.730	.6587	-1.698

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

Sample Name: sd 460-109408-a-1-a@ Acquired: 2/27/2016 17:17:23 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.199	1.928	1.088	2.862	109.1	1.027
Stddev	1.640	3.982	.307	.119	1.5	.137
%RSD	74.55	206.5	28.25	4.161	1.388	13.34
#1	1.191	-1.746	.8426	2.740	109.8	1.090
#2	4.091	6.159	.9881	2.978	110.1	.8701
#3	1.316	1.371	1.432	2.869	107.3	1.122

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7482	220.3	.2291	314.6
Stddev	.4175	.1	.1565	17.4
%RSD	55.81	.0661	68.31	5.537
#1	-1.044	220.5	.1021	316.9
#2	-.9296	220.2	.1813	330.8
#3	-.2706	220.3	.4039	296.2

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	9344.0	52146.	10154.
Stddev	56.7	543.	102.
%RSD	.60711	1.0405	1.0059
#1	9375.7	52761.	10257.
#2	9377.7	51943.	10053.
#3	9278.5	51735.	10153.

Sample Name: 460-108533-e-1-c Acquired: 2/27/2016 17:21:11 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	114.4	3.311	-6980	57.27	.0507	3962.
Stddev	13.5	.640	.1671	.03	.1085	30.
%RSD	11.81	19.33	23.95	.0604	214.0	.7457

#1	116.5	2.960	-.6958	57.26	-.0735	3927.
#2	99.99	4.050	-.5320	57.31	.1271	3980.
#3	126.8	2.924	-.8662	57.24	.0984	3977.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0844	.3338	2.955	32.55	3321.	274.1
Stddev	.0858	.1777	.245	.17	15.	20.5
%RSD	101.7	53.24	8.277	.5100	.4614	7.468

#1	-.0489	.3994	2.816	32.64	3304.	281.0
#2	-.0219	.1326	3.237	32.36	3325.	290.2
#3	-.1822	.4694	2.811	32.66	3334.	251.0

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	280.3	49.24	3504.	2.377	2.968	-2.033
Stddev	5.9	.33	14.	.532	1.623	1.597
%RSD	2.119	.6787	.3881	22.40	54.68	78.56

#1	274.2	48.89	3519.	1.795	3.249	-.1926
#2	286.1	49.26	3501.	2.839	1.223	-3.056
#3	280.5	49.56	3492.	2.496	4.433	-2.850

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

Sample Name: 460-108533-e-1-c Acquired: 2/27/2016 17:21:11 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.235	-.1594	.2264	797.7	9.411	-.4348
Stddev	.762	1.258	.5107	7.1	.210	.1259
%RSD	34.11	789.6	225.6	.8859	2.228	28.97
#1	2.940	1.268	.0766	789.6	9.265	-.4779
#2	2.338	-.6375	.7952	802.5	9.652	-.2930
#3	1.426	-1.109	-.1926	801.0	9.317	-.5335

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0102	21.92	3.006	243.1
Stddev	.6518	.25	.168	11.5
%RSD	6421.	1.119	5.597	4.715
#1	-.2115	21.68	2.819	251.1
#2	.7438	21.90	3.145	248.3
#3	-.5019	22.17	3.054	230.0

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	9678.3	54000.	10034.
Stddev	81.4	455.	82.
%RSD	.84125	.84336	.82207
#1	9771.5	54488.	9997.5
#2	9641.6	53586.	10128.
#3	9621.6	53927.	9975.6

Sample Name: 460-108567-d-1-c Acquired: 2/27/2016 17:24:58 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43920.	18.42	-.3223	236.8	12.60	F 250200.
Stddev	115.	2.00	.5042	.3	.20	979.
%RSD	.2626	10.86	156.4	.1138	1.593	.3913
#1	43850.	17.55	.2559	236.9	12.37	249500.
#2	43860.	17.00	-.6705	237.1	12.70	251300.
#3	44060.	20.71	-.5523	236.6	12.73	249700.

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	4.018	149.4	37.87	294.9	19220.	18940.
Stddev	.052	.3	.45	.7	50.	14.
%RSD	1.291	.1824	1.195	.2457	.2606	.0748
#1	4.024	149.6	37.90	294.4	19180.	18940.
#2	4.066	149.1	37.40	294.5	19280.	18930.
#3	3.963	149.4	38.30	295.7	19210.	18960.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29740.	F 14780.	57970.	141.6	18.27	-8.609
Stddev	101.	129.	89.	.3	1.04	1.034
%RSD	.3387	.8696	.1540	.1870	5.723	12.01
#1	29650.	14660.	58040.	141.5	19.36	-7.616
#2	29850.	14920.	57870.	141.4	17.28	-8.531
#3	29720.	14750.	58000.	141.9	18.16	-9.681

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-108567-d-1-c Acquired: 2/27/2016 17:24:58 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.719	-2.470	93.06	2524.	24.96	-2.167
Stddev	1.715	2.509	.26	12.	.48	.059
%RSD	36.34	101.6	.2782	.4943	1.912	2.705
#1	-3.251	.2298	92.76	2523.	24.96	-2.119
#2	-6.603	-4.731	93.16	2537.	24.48	-2.232
#3	-4.301	-2.909	93.25	2512.	25.43	-2.150

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-5561	804.6	182.0	F 51360.
Stddev	.8205	.6	.5	422.
%RSD	147.6	.0714	.2782	.8226
#1	-1.296	804.0	181.5	51080.
#2	-.6989	804.6	182.4	51840.
#3	.3265	805.2	182.2	51150.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11156.	61869.	11890.
Stddev	52.	417.	85.
%RSD	.46706	.67462	.71090
#1	11206.	62292.	11896.
#2	11102.	61457.	11971.
#3	11159.	61858.	11802.

Sample Name: 460-109400-j-3-a Acquired: 2/27/2016 17:28:46 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	108.7	1.697	-.4061	89.24	-.0435	102900.
Stddev	12.3	.790	.1163	.24	.0346	1280.
%RSD	11.30	46.57	28.64	.2677	79.58	1.244

#1	96.68	2.246	-.3733	89.13	-.0832	103400.
#2	108.3	.7913	-.5354	89.07	-.0195	103800.
#3	121.2	2.054	-.3098	89.51	-.0278	101400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5161	.5158	.9628	19.37	231.9	1373.
Stddev	.0183	.0547	.4634	.14	4.6	43.
%RSD	3.549	10.60	48.14	.7353	1.994	3.145

#1	.4972	.5005	.6424	19.21	227.5	1417.
#2	.5338	.4704	.7517	19.40	236.7	1370.
#3	.5171	.5765	1.494	19.49	231.3	1331.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7339.	153.8	42550.	10.89	.6772	4.281
Stddev	72.	.9	117.	.41	.4346	.292
%RSD	.9768	.5529	.2737	3.789	64.18	6.815

#1	7338.	154.2	42630.	11.12	.7102	3.959
#2	7412.	154.4	42590.	11.13	1.094	4.527
#3	7269.	152.8	42420.	10.41	.2271	4.358

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

Sample Name: 460-109400-j-3-a Acquired: 2/27/2016 17:28:46 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.256	-.7594	1.784	260.8	72.41	4.405
Stddev	.823	.8039	.237	2.5	.24	.372
%RSD	25.28	105.9	13.27	.9565	.3296	8.449
#1	2.312	-1.242	2.018	262.2	72.29	3.975
#2	3.629	-1.205	1.789	262.3	72.69	4.624
#3	3.826	.1686	1.544	257.9	72.27	4.616

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5501	500.2	4.705	7175.
Stddev	1.236	.6	.079	175.
%RSD	224.6	.1285	1.670	2.443
#1	-1.761	499.5	4.687	7008.
#2	.7087	500.4	4.792	7159.
#3	-.5979	500.7	4.638	7357.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9386.3	52637.	10053.
Stddev	106.0	838.	322.
%RSD	1.1292	1.5920	3.1999
#1	9300.2	52093.	9815.8
#2	9353.9	52215.	9923.1
#3	9504.6	53602.	10419.

Sample Name: 460-109400-j-4-a Acquired: 2/27/2016 17:32:32 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67.46	5.199	.2007	153.6	-.0341	129000.
Stddev	7.21	1.081	.2711	.3	.1240	1325.
%RSD	10.68	20.80	135.1	.2210	364.1	1.027

#1	75.56	4.845	-.0651	153.3	-.1735	130000.
#2	61.74	6.413	.4768	153.6	.0072	127500.
#3	65.09	4.340	.1903	154.0	.0641	129700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2124	3.558	-.0162	7.793	2383.	11020.
Stddev	.1126	.282	.4552	.238	20.	93.
%RSD	53.04	7.937	2802.	3.057	.8402	.8392

#1	.3364	3.839	-.1173	7.800	2374.	10990.
#2	.1842	3.275	.4809	8.027	2370.	10950.
#3	.1165	3.559	-.4124	7.551	2406.	11130.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39440.	3437.	98630.	14.29	-2.245	-1.161
Stddev	343.	19.	436.	.74	1.475	1.771
%RSD	.8692	.5530	.4425	5.185	65.70	152.5

#1	39660.	3448.	98970.	15.09	-1.675	.2679
#2	39040.	3415.	98130.	14.16	-3.920	-3.142
#3	39610.	3448.	98770.	13.63	-1.140	-.6086

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

Sample Name: 460-109400-j-4-a Acquired: 2/27/2016 17:32:32 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.473	-1.369	.8790	4.212	85.24	-.7337
Stddev	2.357	2.002	.2309	.249	.54	.2171
%RSD	160.1	146.2	26.27	5.919	.6293	29.59

#1	2.799	-2.175	1.124	4.023	85.64	-.7714
#2	-1.249	-2.843	.6646	4.495	84.63	-.9295
#3	2.867	.9098	.8489	4.119	85.43	-.5002

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2050	490.3	2.976	8897.
Stddev	.3011	1.4	.053	204.
%RSD	146.9	.2872	1.783	2.287

#1	.0381	488.9	3.034	8693.
#2	-.5418	490.3	2.930	9100.
#3	-.1112	491.7	2.964	8898.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9232.7	51242.	9787.9
Stddev	13.7	677.	260.0
%RSD	.14806	1.3214	2.6568

#1	9234.7	50773.	9566.6
#2	9245.2	52018.	10074.
#3	9218.1	50934.	9722.8

Sample Name: 460-109400-j-5-a Acquired: 2/27/2016 17:36:18 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.86	6.702	-7.274	273.0	-0.0720	140400.
Stddev	8.01	1.802	.1888	1.3	.0750	1540.
%RSD	25.15	26.89	25.95	.4752	104.2	1.097

#1	24.60	5.740	-.8227	272.9	.0146	138700.
#2	30.52	5.584	-.8496	274.4	-.1148	141800.
#3	40.45	8.781	-.5100	271.8	-.1158	140600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1470	.5485	-.0344	-.1145	42980.	10430.
Stddev	.0104	.0386	.3001	.2997	363.	93.
%RSD	7.109	7.030	871.2	261.9	.8456	.8918

#1	-.1515	.5769	-.1913	.0695	42610.	10320.
#2	-.1544	.5640	-.2236	.0475	43330.	10500.
#3	-.1350	.5046	.3115	-.4603	43000.	10460.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10820.	2126.	F 362700.	1.751	-1.993	1.591
Stddev	95.	14.	4714.	.346	.781	1.942
%RSD	.8794	.6659	1.300	19.78	39.20	122.1

#1	10740.	2112.	366500.	1.778	-2.465	1.929
#2	10920.	2140.	364200.	1.392	-1.091	3.341
#3	10800.	2127.	357500.	2.083	-2.423	-.4984

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

Sample Name: 460-109400-j-5-a Acquired: 2/27/2016 17:36:18 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2351	1.424	.0436	2.605	122.0	-.4496
Stddev	1.501	1.248	.1467	.051	.2	.1423
%RSD	638.5	87.58	336.7	1.940	.1956	31.65
#1	-1.189	2.856	.1003	2.547	122.0	-.2886
#2	.0921	.5703	.1534	2.638	121.8	-.5586
#3	1.803	.8469	-.1230	2.630	122.2	-.5015

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7576	930.3	1.374	6450.
Stddev	.6941	1.4	.215	73.
%RSD	91.62	.1493	15.67	1.129
#1	-.0906	928.7	1.485	6387.
#2	-.7061	930.7	1.511	6434.
#3	-1.476	931.4	1.126	6530.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9163.5	50834.	9785.8
Stddev	26.3	603.	119.4
%RSD	.28689	1.1865	1.2205
#1	9192.4	51392.	9735.8
#2	9141.0	50194.	9699.5
#3	9157.0	50916.	9922.1

Sample Name: 460-109400-j-8-a Acquired: 2/27/2016 17:40:12 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	193.9	38.80	-.2575	197.7	-.0573	192400.
Stddev	9.4	2.19	.8423	.6	.0596	2346.
%RSD	4.829	5.633	327.1	.3230	103.9	1.219

#1	200.5	40.60	.2495	197.0	-.1005	192900.
#2	183.2	36.37	.2078	198.3	.0106	194400.
#3	198.0	39.44	-1.230	197.7	-.0821	189800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1322	.5009	.8986	.0530	30220.	69330.
Stddev	.0432	.1716	.7044	.2984	267.	579.
%RSD	32.72	34.26	78.38	562.7	.8832	.8354

#1	-.0862	.3881	.8951	.3116	30330.	69240.
#2	-.1383	.6984	.1961	.1211	30410.	69950.
#3	-.1720	.4162	1.605	-.2736	29910.	68800.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37630.	8215.	241300.	76.47	-4.676	-.2079
Stddev	396.	66.	1329.	.38	.464	1.628
%RSD	1.053	.7988	.5510	.4936	9.912	783.2

#1	37670.	8242.	242000.	76.04	-4.955	1.636
#2	38010.	8262.	242000.	76.69	-4.931	-.8115
#3	37220.	8140.	239700.	76.69	-4.141	-1.448

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

Sample Name: 460-109400-j-8-a Acquired: 2/27/2016 17:40:12 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4127	.2530	4.211	4.057	106.7	-1.158
Stddev	1.671	3.065	.608	.150	.9	.357
%RSD	404.9	1212.	14.44	3.693	.8383	30.84
#1	1.499	3.372	3.975	4.083	105.8	-1.450
#2	-1.144	-2.755	3.755	4.193	106.5	-1.263
#3	-1.593	.1413	4.901	3.896	107.6	-.7597

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8079	538.0	6.804	11090.
Stddev	1.192	.6	.422	256.
%RSD	147.6	.1174	6.207	2.309
#1	.1890	537.7	6.501	11170.
#2	-.4843	537.6	7.286	10810.
#3	-2.128	538.7	6.624	11300.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9140.7	50784.	10035.
Stddev	126.1	970.	503.
%RSD	1.3794	1.9097	5.0116
#1	9032.0	50340.	10044.
#2	9111.1	50116.	9527.4
#3	9279.0	51897.	10533.

Sample Name: 460-109400-j-9-a Acquired: 2/27/2016 17:44:02 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73.61	2.231	-4.908	208.6	.0035	99510.
Stddev	5.84	.684	.5306	.5	.1097	704.
%RSD	7.927	30.65	108.1	.2607	3109.	.7072

#1	71.86	2.763	-.9798	209.1	-.1101	99120.
#2	68.85	1.460	.0733	208.5	.1088	99090.
#3	80.12	2.472	-.5661	208.1	.0119	100300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1016	4.617	.2574	.5646	2461.	7875.
Stddev	.0658	.137	.3991	.4073	21.	45.
%RSD	64.72	2.975	155.0	72.15	.8655	.5772

#1	.1114	4.608	.5073	.7017	2443.	7822.
#2	.1620	4.759	-.2029	.8857	2455.	7903.
#3	.0315	4.484	.4678	.1064	2484.	7898.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16530.	1789.	171800.	2.630	-.1310	.0146
Stddev	82.	8.	408.	.302	1.030	.6385
%RSD	.4948	.4262	.2372	11.50	786.5	4368.

#1	16510.	1785.	172200.	2.856	-1.263	.5376
#2	16460.	1784.	171400.	2.286	.1176	-.6970
#3	16620.	1798.	171700.	2.746	.7521	.2033

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

Sample Name: 460-109400-j-9-a Acquired: 2/27/2016 17:44:02 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.732	.7580	.1882	3.331	58.69	-.7553
Stddev	1.430	.4437	.3759	.105	.34	.2682
%RSD	82.54	58.53	199.8	3.145	.5820	35.52
#1	2.383	.9545	.1495	3.364	58.98	-.7911
#2	.0928	1.070	-.1670	3.415	58.31	-1.004
#3	2.721	.2501	.5819	3.214	58.78	-.4709

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8526	490.9	3.666	4098.
Stddev	.3316	1.3	.122	93.
%RSD	38.90	.2656	3.323	2.262
#1	-1.232	489.7	3.806	4042.
#2	-.6200	492.3	3.614	4205.
#3	-.7054	490.8	3.580	4047.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9340.0	52319.	10083.
Stddev	53.8	496.	236.
%RSD	.57643	.94855	2.3355
#1	9398.6	52436.	10054.
#2	9292.7	52747.	10332.
#3	9328.8	51775.	9864.2

Sample Name: CCV Acquired: 2/27/2016 17:47:48 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	2519.	1239.	10070.	1003.	125200.
Stddev	424.	8.	3.	18.	3.	658.
%RSD	.3422	.3295	.2232	.1755	.3103	.5259

#1	123600.	2512.	1240.	10050.	1001.	125100.
#2	123500.	2517.	1236.	10070.	1000.	124500.
#3	124300.	2528.	1242.	10090.	1006.	125800.

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	1258.	2516.	5008.	12470.	100900.	50090.
Stddev	3.	3.	14.	7.	346.	109.
%RSD	.2252	.1278	.2841	.0535	.3431	.2181

#1	1255.	2513.	5008.	12470.	100800.	50050.
#2	1259.	2516.	4994.	12470.	100500.	50010.
#3	1260.	2519.	5022.	12460.	101200.	50210.

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	123700.	5109.	124900.	2532.	7582.	997.1
Stddev	638.	16.	463.	4.	20.	2.4
%RSD	.5157	.3157	.3705	.1538	.2698	.2380

#1	123700.	5107.	125300.	2528.	7568.	999.5
#2	123100.	5095.	124400.	2532.	7574.	997.0
#3	124400.	5127.	125100.	2536.	7606.	994.7

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

Sample Name: CCV Acquired: 2/27/2016 17:47:48 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2504.	2589.	2493.	2536.	995.9	2460.
Stddev	2.	10.	8.	7.	1.9	2.
%RSD	.0960	.3808	.3277	.2817	.1876	.0729

#1	2505.	2580.	2488.	2528.	993.9	2458.
#2	2506.	2600.	2488.	2539.	996.4	2461.
#3	2501.	2589.	2502.	2542.	997.5	2461.

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	1004.	5063.	10130.	9715.
Stddev	1.	13.	16.	197.
%RSD	.0730	.2551	.1599	2.025

#1	1004.	5049.	10130.	9518.
#2	1005.	5068.	10110.	9911.
#3	1004.	5074.	10150.	9715.

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	9125.0	50494.	9785.1
Stddev	11.5	199.	182.1
%RSD	.12597	.39479	1.8607

#1	9138.1	50387.	9630.8
#2	9116.7	50724.	9985.9
#3	9120.3	50371.	9738.5

Sample Name: CCB Acquired: 2/27/2016 17:51:13 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.38	3.090	-.2345	.1464	-.0823	-23.81
Stddev	18.63	.807	.1528	.1479	.1857	3.70
%RSD	113.7	26.11	65.16	101.0	225.7	15.52

#1	37.86	3.197	-.0719	.2584	.1320	-19.84
#2	4.662	2.235	-.3751	.2019	-.1827	-24.46
#3	6.619	3.837	-.2563	-.0212	-.1961	-27.15

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0295	.0768	.3677	-.2865	15.06	66.05
Stddev	.0375	.2050	.4447	.2190	7.14	23.78
%RSD	126.8	266.9	121.0	76.44	47.43	36.01

#1	-.0320	-.0469	.8812	-.0535	7.076	75.22
#2	.0091	.3135	.1126	-.4881	17.26	39.05
#3	-.0657	-.0361	.1092	-.3178	20.84	83.88

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.168	.2063	139.2	.5739	1.010	2.531
Stddev	1.812	.0832	42.3	.2716	1.493	1.340
%RSD	83.57	40.32	30.39	47.32	147.9	52.95

#1	.0761	.3023	187.7	.8760	2.698	4.005
#2	3.242	.1604	119.9	.4958	.4658	2.198
#3	3.185	.1562	110.0	.3499	-.1350	1.389

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

Sample Name: CCB Acquired: 2/27/2016 17:51:13 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.278	1.161	.2144	.1945	2.209	1.406
Stddev	2.180	1.965	.1684	.1836	.708	.128
%RSD	41.30	169.2	78.55	94.39	32.06	9.121
#1	5.300	3.248	.2528	.4002	3.027	1.258
#2	3.088	-.6525	.0301	.0472	1.797	1.478
#3	7.447	.8874	.3603	.1361	1.803	1.482

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8177	.5169	.9687	20.21
Stddev	.3882	.6203	.1412	13.03
%RSD	47.47	120.0	14.57	64.44
#1	-.3752	1.233	.8119	6.345
#2	-1.101	.1402	1.008	32.19
#3	-.9772	.1776	1.086	22.10

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	9609.7	53378.	9783.5
Stddev	97.0	201.	198.9
%RSD	1.0090	.37662	2.0333
#1	9591.7	53279.	9635.2
#2	9523.0	53247.	10010.
#3	9714.4	53610.	9705.7

Sample Name: CCVL Acquired: 2/27/2016 17:55:04 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	199.2	14.44	8.391	187.2	1.815	4536.
Stddev	10.6	.81	.373	.9	.125	21.
%RSD	5.330	5.611	4.449	.4750	6.857	.4531
#1	204.0	15.10	8.496	187.9	1.674	4520.
#2	206.6	13.54	7.977	187.5	1.908	4529.
#3	187.0	14.68	8.701	186.2	1.865	4559.

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	3.702	47.37	10.04	22.31	174.7	4547.
Stddev	.074	.15	.47	.07	2.7	24.
%RSD	1.999	.3142	4.705	.3184	1.543	.5315
#1	3.631	47.46	9.491	22.31	173.8	4552.
#2	3.696	47.20	10.30	22.37	172.6	4568.
#3	3.779	47.46	10.32	22.23	177.8	4521.

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	4493.	14.89	4669.	38.83	11.77	20.63
Stddev	34.	.05	3.	.72	1.58	.87
%RSD	.7668	.3495	.0638	1.858	13.41	4.239
#1	4453.	14.90	4670.	39.64	13.26	19.63
#2	4517.	14.94	4671.	38.55	11.94	21.18
#3	4508.	14.83	4666.	38.28	10.11	21.10

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

Sample Name: CCVL Acquired: 2/27/2016 17:55:04 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.57	19.96	46.16	30.99	44.15	17.42
Stddev	.86	2.47	.58	.12	.15	.14
%RSD	4.180	12.39	1.257	.3827	.3312	.7774
#1	19.93	22.75	46.13	30.90	43.98	17.26
#2	20.24	18.01	45.60	30.95	44.20	17.52
#3	21.55	19.13	46.76	31.13	44.26	17.47

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	45.60	18.80	18.57	F 8.860
Stddev	.77	.15	.17	16.14
%RSD	1.684	.7793	.8955	182.1
#1	45.88	18.87	18.49	18.51
#2	44.73	18.89	18.76	17.83
#3	46.19	18.63	18.45	-9.769

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	9654.8	53456.	10019.
Stddev	38.7	127.	69.
%RSD	.40066	.23804	.69159
#1	9634.6	53571.	9963.9
#2	9699.4	53478.	9996.8
#3	9630.4	53320.	10097.

Sample Name: 460-109400-j-10-a Acquired: 2/27/2016 17:58:50 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55.12	32.78	.0601	63.50	-.0121	217100.
Stddev	10.99	3.12	.3487	.55	.1232	1303.
%RSD	19.94	9.532	579.9	.8692	1020.	.6003
#1	49.72	32.68	.4046	63.73	.1302	218600.
#2	47.88	29.70	.0685	63.91	-.0838	216000.
#3	67.77	35.95	-.2927	62.88	-.0826	216800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0015	.0551	.5243	-.1047	53940.	89100.
Stddev	.0656	.1245	.3160	.2635	308.	258.
%RSD	4242.	225.8	60.28	251.7	.5710	.2899
#1	-.0716	.1515	.4792	.0279	54300.	88920.
#2	.0086	-.0854	.2332	-.4081	53750.	88980.
#3	.0584	.0993	.8604	.0662	53780.	89400.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43830.	F 12290.	F 307600.	66.93	-6.542	-1.950
Stddev	244.	116.	5637.	.22	1.073	2.174
%RSD	.5576	.9434	1.832	.3348	16.40	111.5
#1	44090.	12420.	302200.	66.98	-7.602	-4.457
#2	43620.	12210.	313400.	66.69	-5.457	-.5766
#3	43770.	12240.	307200.	67.13	-6.568	-.8163

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-109400-j-10-a Acquired: 2/27/2016 17:58:50 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.445	.3838	4.747	1.949	105.8	-1.589
Stddev	3.157	2.010	.323	.189	1.1	.064
%RSD	57.98	523.5	6.809	9.700	1.035	4.029
#1	-4.549	-1.864	4.420	2.032	106.9	-1.536
#2	-2.833	1.009	5.066	1.733	105.6	-1.660
#3	-8.953	2.007	4.754	2.082	104.7	-1.570

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-6181	560.7	1.512	10420.
Stddev	.4913	1.4	.183	133.
%RSD	79.48	.2529	12.13	1.272
#1	-.0562	560.1	1.300	10320.
#2	-.8316	562.4	1.620	10570.
#3	-.9665	559.8	1.616	10370.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9043.2	50388.	10032.
Stddev	17.9	561.	166.
%RSD	.19781	1.1139	1.6564
#1	9037.3	49757.	10015.
#2	9063.3	50830.	10206.
#3	9029.1	50579.	9875.0

Sample Name: 460-109400-j-11-a Acquired: 2/27/2016 18:02:56 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.16	31.97	-5668	69.34	-.0918	209500.
Stddev	8.98	.79	.3023	.19	.1225	288.
%RSD	15.72	2.459	53.34	.2697	133.5	.1373
#1	63.04	31.41	-.4984	69.55	-.0913	209800.
#2	61.61	31.62	-.8975	69.27	-.2145	209300.
#3	46.82	32.87	-.3046	69.19	.0305	209400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0493	.0293	.6242	.5981	51460.	87310.
Stddev	.1015	.2194	.0625	.1404	83.	102.
%RSD	206.0	748.1	10.02	23.47	.1619	.1171
#1	.1505	.1831	.5700	.7418	51550.	87200.
#2	-.0525	.1269	.6100	.5910	51450.	87410.
#3	.0498	-.2220	.6926	.4614	51380.	87320.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42050.	F 11760.	F 291600.	65.82	-7.095	-2.082
Stddev	58.	32.	5375.	.24	.613	1.144
%RSD	.1374	.2756	1.844	.3656	8.642	54.94
#1	42120.	11760.	290100.	65.69	-7.295	-.8357
#2	42010.	11790.	297500.	66.10	-7.582	-3.083
#3	42030.	11730.	287100.	65.68	-6.406	-2.326

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-109400-j-11-a Acquired: 2/27/2016 18:02:56 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.968	2.062	4.529	2.531	102.3	-1.599
Stddev	1.375	.709	.119	.178	.5	.030
%RSD	23.04	34.41	2.629	7.048	.5161	1.901
#1	-7.252	2.877	4.426	2.449	102.9	-1.564
#2	-6.135	1.582	4.501	2.736	101.8	-1.612
#3	-4.517	1.727	4.659	2.408	102.3	-1.621

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.002	545.8	1.374	10110.
Stddev	.436	.5	.193	63.
%RSD	43.48	.0996	14.05	.6240
#1	-1.102	545.4	1.166	10100.
#2	-.5251	546.4	1.410	10180.
#3	-1.379	545.6	1.547	10050.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9066.9	50732.	10007.
Stddev	21.9	147.	8.
%RSD	.24177	.28887	.07675
#1	9042.7	50581.	10015.
#2	9085.3	50874.	9999.7
#3	9072.9	50741.	10005.

Sample Name: 460-109443-e-1-a@10 Acquired: 2/27/2016 18:07:00 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27510.	136.0	-8116	1090.	1.828	39410.
Stddev	29.	.8	.1051	2.	.083	312.
%RSD	.1045	.5839	12.95	.1745	4.522	.7920

#1	27480.	136.0	-.9108	1089.	1.799	39550.
#2	27540.	136.8	-.8226	1093.	1.764	39630.
#3	27500.	135.2	-.7015	1089.	1.921	39060.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.098	363.9	240.5	2750.	F 209200.	4888.
Stddev	.170	1.1	1.4	4.	1211.	28.
%RSD	15.47	.3102	.5895	.1485	.5788	.5680

#1	-1.050	362.9	241.5	2745.	209400.	4905.
#2	-1.287	365.1	241.1	2750.	210200.	4902.
#3	-.9579	363.7	238.8	2754.	207800.	4856.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13730.	1506.	4961.	226.6	1008.	84.37
Stddev	100.	8.	29.	.6	5.	3.26
%RSD	.7302	.5290	.5765	.2548	.4480	3.867

#1	13790.	1508.	4988.	227.2	1005.	81.34
#2	13790.	1513.	4963.	226.4	1013.	87.83
#3	13620.	1498.	4931.	226.1	1006.	83.95

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

Sample Name: 460-109443-e-1-a@10 Acquired: 2/27/2016 18:07:00 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.508	4.518	78.99	F 8968.	42.15	37.12
Stddev	3.813	1.844	.39	63.	.81	.14
%RSD	84.57	40.82	.4924	.6978	1.921	.3644
#1	-5.900	2.533	79.26	8968.	41.71	37.14
#2	-7.429	6.180	79.18	9030.	41.65	36.97
#3	-.1954	4.842	78.55	8905.	43.08	37.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	670.2	192.5	1022.	818.2
Stddev	.3	.1	2.	15.8
%RSD	.0518	.0448	.1741	1.931
#1	670.4	192.5	1020.	813.2
#2	670.3	192.4	1024.	835.9
#3	669.8	192.6	1021.	805.6

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	9495.8	52970.	10082.
Stddev	75.1	811.	115.
%RSD	.79062	1.5319	1.1371
#1	9462.3	52406.	9975.9
#2	9443.4	52604.	10068.
#3	9581.8	53900.	10204.

Sample Name: 460-109445-e-2-a@20 Acquired: 2/27/2016 18:10:36 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6644.	162.4	1.943	388.5	8.600	87780.
Stddev	38.	.8	.561	.5	.125	1260.
%RSD	.5728	.4883	28.88	.1209	1.453	1.435
#1	6600.	161.6	1.891	389.0	8.592	86330.
#2	6664.	162.5	2.529	388.5	8.729	88470.
#3	6668.	163.1	1.410	388.0	8.479	88550.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8587	6.812	15.19	143.9	105300.	1266.
Stddev	.1219	.127	.21	.9	1069.	34.
%RSD	14.19	1.865	1.409	.6263	1.016	2.672
#1	.9922	6.875	14.95	144.9	104000.	1243.
#2	.8307	6.665	15.26	143.1	105800.	1305.
#3	.7533	6.895	15.36	143.8	105900.	1250.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41130.	F 49420.	680.2	21.28	7.681	-8.076
Stddev	620.	814.	5.2	.43	2.441	.858
%RSD	1.508	1.648	.7659	2.018	31.78	10.62
#1	40410.	48480.	674.5	20.99	7.692	-7.097
#2	41470.	49920.	684.7	21.08	5.235	-8.431
#3	41510.	49860.	681.3	21.77	10.12	-8.699

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-109445-e-2-a@20 Acquired: 2/27/2016 18:10:36 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.581	11.39	14.92	F 39610.	30.39	-7.025
Stddev	3.200	2.52	.51	203.	.55	.021
%RSD	33.40	22.13	3.443	.5115	1.820	.2982

#1	-6.221	12.75	15.07	39460.	30.26	-7.048
#2	-12.59	12.94	14.35	39840.	31.00	-7.008
#3	-9.928	8.481	15.35	39540.	29.92	-7.018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8616	387.0	419.1	399.7
Stddev	.1895	.3	1.4	22.2
%RSD	22.00	.0655	.3278	5.562

#1	.9440	386.9	417.6	402.6
#2	.6449	386.9	419.5	420.4
#3	.9961	387.3	420.2	376.2

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	9527.4	53233.	10235.
Stddev	30.7	840.	187.
%RSD	.32236	1.5785	1.8257

#1	9543.3	54202.	10419.
#2	9492.0	52799.	10241.
#3	9546.9	52698.	10045.

Sample Name: pds 460-109332-b-3-a Acquired: 2/27/2016 18:14:27 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5318.	1913.	51.40	2020.	51.21	20230.
Stddev	25.	8.	.52	2.	.06	111.
%RSD	.4748	.4234	1.012	.0839	.1255	.5474
#1	5302.	1905.	51.84	2020.	51.22	20180.
#2	5305.	1921.	50.83	2021.	51.14	20160.
#3	5347.	1915.	51.54	2018.	51.26	20360.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.22	508.9	217.8	255.8	10640.	18620.
Stddev	.13	.2	1.8	1.1	48.	83.
%RSD	.2567	.0429	.8069	.4258	.4553	.4471
#1	50.19	508.6	216.6	257.0	10630.	18570.
#2	50.36	508.9	217.1	255.5	10590.	18570.
#3	50.11	509.0	219.9	254.9	10690.	18720.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19790.	750.4	20090.	521.9	515.3	477.4
Stddev	59.	2.7	46.	3.0	.4	2.3
%RSD	.3006	.3542	.2289	.5702	.0701	.4854
#1	19770.	749.9	20080.	521.1	515.7	480.1
#2	19730.	748.1	20050.	525.2	515.2	476.5
#3	19850.	753.3	20140.	519.4	515.0	475.7

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

Sample Name: pds 460-109332-b-3-a Acquired: 2/27/2016 18:14:27 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1932.	2129.	517.6	530.6	498.3	485.7
Stddev	4.	3.	2.2	.9	1.4	.4
%RSD	.1889	.1503	.4320	.1775	.2888	.0780
#1	1936.	2127.	516.2	531.4	498.5	485.5
#2	1933.	2132.	516.4	529.6	499.7	486.2
#3	1929.	2126.	520.2	530.9	496.8	485.6

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	514.5	509.0	702.4	840.8
Stddev	1.4	1.0	1.2	19.6
%RSD	.2636	.2005	.1757	2.332
#1	513.5	509.8	702.0	818.2
#2	513.9	507.8	701.5	852.5
#3	516.0	509.3	703.8	851.7

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	9483.8	52447.	10030.
Stddev	43.1	459.	102.
%RSD	.45397	.87562	1.0203
#1	9434.2	52048.	9951.1
#2	9510.4	52949.	10145.
#3	9506.9	52343.	9992.3

Sample Name: 460-109332-b-3-c ms Acquired: 2/27/2016 18:17:55 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9964.	943.4	22.46	1011.	25.24	10130.
Stddev	43.	4.1	.36	2.	.08	53.
%RSD	.4304	.4305	1.585	.1652	.3029	.5271
#1	9915.	941.9	22.87	1011.	25.15	10060.
#2	9994.	940.3	22.28	1010.	25.26	10150.
#3	9983.	948.0	22.22	1013.	25.30	10160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.56	257.4	116.6	185.4	19090.	9444.
Stddev	.25	2.2	.4	.4	74.	59.
%RSD	1.023	.8377	.3786	.1939	.3902	.6289
#1	24.30	254.9	116.1	185.2	19020.	9382.
#2	24.80	258.1	117.0	185.8	19080.	9500.
#3	24.58	259.0	116.8	185.1	19170.	9449.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11550.	717.2	9822.	267.8	264.4	224.3
Stddev	65.	1.6	29.	2.2	.9	3.1
%RSD	.5653	.2173	.2949	.8052	.3549	1.374
#1	11490.	715.4	9792.	265.3	263.6	225.5
#2	11550.	717.7	9849.	268.7	264.2	220.8
#3	11620.	718.4	9824.	269.3	265.5	226.6

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

Sample Name: 460-109332-b-3-c ms Acquired: 2/27/2016 18:17:55 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	936.3	1036.	264.4	285.4	237.2	234.2
Stddev	2.6	6.	1.8	2.7	2.1	.9
%RSD	.2775	.5738	.6989	.9374	.9020	.3902
#1	938.3	1030.	262.8	282.6	237.6	233.7
#2	933.4	1036.	264.1	287.9	234.9	233.5
#3	937.3	1042.	266.4	285.7	239.2	235.2

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	249.4	254.1	357.9	1258.
Stddev	.7	.3	.6	14.
%RSD	.2771	.1019	.1613	1.126
#1	248.7	254.4	357.8	1258.
#2	250.0	254.0	357.4	1272.
#3	249.4	253.9	358.5	1244.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9578.6	53490.	10110.
Stddev	60.2	111.	181.
%RSD	.62883	.20814	1.7903
#1	9614.8	53574.	10293.
#2	9509.1	53364.	9931.1
#3	9612.0	53533.	10107.

Sample Name: 460-109332-b-3-b du Acquired: 2/27/2016 18:21:32 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3639.	7.587	-6765	11.91	.2957	457.9
Stddev	14.	1.053	.4155	.32	.1090	4.9
%RSD	.3712	13.88	61.43	2.704	36.87	1.063
#1	3624.	8.776	-.2226	12.11	.3753	453.9
#2	3642.	7.215	-.7686	12.09	.3403	463.3
#3	3650.	6.771	-1.038	11.54	.1714	456.5

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	-.2312	3.217	10.65	11.84	10490.	355.7
Stddev	.0949	.404	.19	.21	36.	34.4
%RSD	41.02	12.55	1.805	1.799	.3386	9.676
#1	-.3408	3.409	10.52	11.95	10450.	366.0
#2	-.1789	3.489	10.87	11.97	10510.	383.9
#3	-.1741	2.753	10.56	11.59	10520.	317.4

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	1050.	209.5	77.58	5.587	7.998	3.174
Stddev	9.	.4	5.15	.867	.887	.693
%RSD	.8598	.2083	6.640	15.52	11.09	21.83
#1	1041.	209.0	79.44	5.557	8.225	3.406
#2	1049.	209.5	71.76	6.468	7.020	2.395
#3	1059.	209.9	81.55	4.735	8.750	3.722

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

Sample Name: 460-109332-b-3-b du Acquired: 2/27/2016 18:21:32 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.234	1.367	13.72	17.15	2.875	-.1996
Stddev	.447	.964	.21	.08	.235	.1156
%RSD	13.81	70.49	1.547	.4402	8.167	57.92
#1	3.143	2.427	13.76	17.14	2.889	-.1666
#2	2.840	.5446	13.50	17.23	2.633	-.1041
#3	3.720	1.129	13.92	17.08	3.102	-.3281

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.229	2.987	159.9	566.3
Stddev	.428	.011	.4	5.1
%RSD	13.27	.3502	.2270	.9003
#1	3.652	2.996	159.5	567.3
#2	2.795	2.989	159.9	570.7
#3	3.239	2.976	160.3	560.7

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	9574.3	53019.	9856.7
Stddev	45.4	150.	52.6
%RSD	.47463	.28211	.53414
#1	9561.0	53181.	9914.1
#2	9537.0	52988.	9845.4
#3	9624.9	52887.	9810.6

Sample Name: 460-109332-b-3-a@4 Acquired: 2/27/2016 18:25:19 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3363.	4.428	-.5454	13.88	.2295	582.4
Stddev	4.	.870	.0916	.16	.1693	3.1
%RSD	.1274	19.64	16.79	1.140	73.77	.5395
#1	3359.	4.169	-.4527	13.81	.0396	579.0
#2	3362.	3.717	-.6359	14.07	.3647	583.0
#3	3367.	5.398	-.5477	13.77	.2843	585.2

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2188	2.959	10.23	9.007	9838.	318.8
Stddev	.1948	.264	.42	.365	35.	20.3
%RSD	89.03	8.910	4.109	4.050	.3529	6.358
#1	-.3429	3.182	9.745	8.957	9801.	300.4
#2	-.3192	3.026	10.44	9.394	9870.	340.5
#3	.0057	2.668	10.50	8.669	9843.	315.5

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	829.5	234.3	73.67	4.762	5.882	2.674
Stddev	.8	.4	4.81	.368	.612	.953
%RSD	.1018	.1884	6.532	7.726	10.41	35.64
#1	828.6	234.0	78.99	4.422	6.576	3.170
#2	829.7	234.8	69.63	5.152	5.419	3.276
#3	830.3	234.0	72.39	4.712	5.651	1.575

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

Sample Name: 460-109332-b-3-a@4 Acquired: 2/27/2016 18:25:19 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.887	-1.1050	12.21	15.19	5.075	-.3380
Stddev	1.674	3.211	.82	.10	.311	.2616
%RSD	58.00	3060.	6.725	.6773	6.125	77.40
#1	4.759	-1.694	11.35	15.11	4.934	-.1404
#2	2.369	-2.212	12.98	15.31	4.860	-.6347
#3	1.532	3.591	12.29	15.15	5.431	-.2389

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.819	3.151	194.0	723.2
Stddev	.144	.141	.9	9.0
%RSD	5.105	4.485	.4826	1.247
#1	2.656	3.077	193.0	722.5
#2	2.928	3.314	194.2	732.6
#3	2.873	3.062	194.8	714.6

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	9667.4	53381.	10065.
Stddev	63.6	460.	55.
%RSD	.65783	.86127	.54193
#1	9614.0	53094.	10023.
#2	9650.4	53137.	10127.
#3	9737.8	53911.	10045.

Sample Name: sd 460-109332-b-3-a Acquired: 2/27/2016 18:29:07 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	650.9	3.545	-1.1397	2.677	-.0580	101.7
Stddev	6.5	1.844	.0943	.107	.0421	5.0
%RSD	1.006	52.03	67.45	3.999	72.52	4.898
#1	644.2	3.982	-.0569	2.668	-.0095	97.37
#2	657.3	1.521	-.1200	2.575	-.0846	107.2
#3	651.0	5.131	-.2423	2.788	-.0800	100.7

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	-.1119	.6322	2.490	1.253	1908.	74.07
Stddev	.0570	.0779	.250	.638	11.	22.50
%RSD	50.97	12.33	10.04	50.91	.5991	30.38
#1	-.0832	.7054	2.735	.5776	1901.	99.52
#2	-.0750	.6407	2.501	1.336	1921.	65.84
#3	-.1776	.5503	2.235	1.845	1902.	56.84

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	164.3	46.25	54.46	.5922	.5381	.2466
Stddev	3.9	.22	5.90	.6985	.6045	1.807
%RSD	2.360	.4655	10.83	117.9	112.3	732.8
#1	160.7	46.08	60.97	-.1520	.4961	1.925
#2	168.4	46.49	52.96	.6952	-.0444	.4807
#3	163.7	46.18	49.46	1.234	1.162	-1.666

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

Sample Name: sd 460-109332-b-3-a Acquired: 2/27/2016 18:29:07 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2553	-.3594	2.223	3.316	.7837	-.5770
Stddev	1.687	.5735	.214	.108	.3047	.3302
%RSD	660.7	159.5	9.605	3.250	38.87	57.23
#1	-.4337	-1.014	2.278	3.376	1.106	-.6283
#2	-.9778	-.1215	2.403	3.381	.5004	-.8786
#3	2.177	.0568	1.987	3.192	.7448	-.2241

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1010	.6483	36.26	154.3
Stddev	.1228	.0437	.39	15.7
%RSD	121.5	6.736	1.079	10.19
#1	-.0406	.6155	35.88	140.5
#2	.1655	.6978	36.66	151.0
#3	.1782	.6314	36.24	171.4

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	9698.0	53334.	9905.1
Stddev	30.7	295.	59.1
%RSD	.31610	.55265	.59712
#1	9731.0	53562.	9837.6
#2	9692.4	53001.	9929.7
#3	9670.4	53440.	9948.0

Sample Name: lcssrm 460-352643/2- Acquired: 2/27/2016 18:32:55 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33850.	511.6	202.4	1631.	347.0	33140.
Stddev	63.	1.4	1.1	2.	.5	56.
%RSD	.1850	.2753	.5632	.1147	.1569	.1680

#1	33770.	512.8	202.2	1632.	346.4	33110.
#2	33870.	511.9	201.4	1629.	347.4	33120.
#3	33890.	510.1	203.6	1632.	347.2	33210.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	788.6	887.7	962.8	557.9	63640.	12110.
Stddev	.4	.7	3.3	1.2	90.	27.
%RSD	.0545	.0785	.3474	.2153	.1409	.2198

#1	788.2	888.3	962.0	557.9	63650.	12110.
#2	788.6	887.8	959.9	559.1	63550.	12080.
#3	789.1	886.9	966.5	556.7	63730.	12130.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12510.	2266.	13550.	835.2	695.5	257.9
Stddev	54.	4.	31.	1.0	.6	1.9
%RSD	.4285	.1733	.2304	.1236	.0884	.7503

#1	12520.	2265.	13540.	835.9	695.9	259.0
#2	12450.	2263.	13590.	835.8	694.8	259.0
#3	12560.	2270.	13530.	834.0	695.7	255.7

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

Sample Name: lcssrm 460-352643/2- Acquired: 2/27/2016 18:32:55 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	784.2	1018.	476.3	1018.	685.7	831.9
Stddev	4.7	7.	.6	2.	.6	1.7
%RSD	.5984	.6476	.1168	.1687	.0912	.2082
#1	788.4	1020.	475.8	1020.	685.9	833.8
#2	785.0	1011.	476.1	1018.	686.1	831.4
#3	779.1	1024.	476.9	1016.	684.9	830.4

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	532.8	440.0	1835.	1983.
Stddev	.7	.9	1.	9.
%RSD	.1229	.2016	.0614	.4735
#1	533.6	440.4	1836.	1976.
#2	532.3	440.5	1836.	1994.
#3	532.6	439.0	1834.	1979.

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	9605.8	52960.	10178.
Stddev	58.2	409.	36.
%RSD	.60572	.77221	.35750
#1	9549.0	52532.	10158.
#2	9603.0	53347.	10220.
#3	9665.3	53001.	10155.

Sample Name: CCV Acquired: 2/27/2016 18:36:25 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124100.	2537.	1239.	10130.	1002.	124800.
Stddev	631.	5.	3.	3.	4.	1375.
%RSD	.5087	.1917	.2615	.0249	.3859	1.102

#1	124500.	2541.	1239.	10130.	1006.	125100.
#2	123400.	2531.	1236.	10130.	998.0	123300.
#3	124500.	2538.	1242.	10130.	1003.	126000.

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	1266.	2532.	5002.	12500.	100900.	50350.
Stddev	5.	1.	45.	18.	917.	247.
%RSD	.3556	.0575	.9017	.1458	.9086	.4904

#1	1261.	2532.	5007.	12500.	100900.	50510.
#2	1267.	2531.	4954.	12520.	99990.	50070.
#3	1270.	2534.	5044.	12480.	101800.	50470.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	5113.	127000.	2549.	7623.	1008.
Stddev	1400.	37.	721.	5.	22.	8.
%RSD	1.132	.7303	.5680	.1766	.2888	.7648

#1	123900.	5118.	127700.	2547.	7602.	1016.
#2	122100.	5074.	126300.	2546.	7622.	1006.
#3	124900.	5148.	126800.	2554.	7646.	1001.

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

Sample Name: CCV Acquired: 2/27/2016 18:36:25 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2529.	2583.	2498.	2537.	1004.	2469.
Stddev	10.	6.	13.	21.	4.	4.
%RSD	.4128	.2445	.5265	.8298	.3587	.1822

#1	2540.	2577.	2495.	2514.	1008.	2472.
#2	2519.	2583.	2487.	2540.	1003.	2470.
#3	2528.	2589.	2513.	2556.	1001.	2463.

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	1003.	5081.	10150.	9656.
Stddev	3.	11.	29.	300.
%RSD	.3415	.2215	.2846	3.102

#1	1000.	5068.	10150.	9381.
#2	1001.	5087.	10120.	9975.
#3	1006.	5087.	10180.	9611.

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	9211.3	51116.	9842.6
Stddev	67.9	698.	346.0
%RSD	.73753	1.3648	3.5158

#1	9288.5	50980.	9586.6
#2	9185.0	51871.	10236.
#3	9160.5	50495.	9704.9

Sample Name: CCB Acquired: 2/27/2016 18:39:49 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.027	2.580	-.3070	.1275	-.0616	-14.08
Stddev	7.205	1.975	.2873	.2086	.0769	6.82
%RSD	701.6	76.58	93.58	163.6	124.7	48.44

#1	.2043	.3085	-.4696	.3478	.0271	-7.250
#2	8.609	3.530	-.4761	.1016	-.1070	-14.09
#3	-5.732	3.900	.0247	-.0670	-.1050	-20.89

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0513	-.1896	.6439	-.2085	9.617	40.99
Stddev	.0510	.1349	.3970	.1677	4.240	7.94
%RSD	99.32	71.15	61.65	80.44	44.09	19.37

#1	-.0828	-.3387	.5186	-.3660	13.27	40.45
#2	-.0786	-.0760	.3247	-.2273	10.61	49.19
#3	.0075	-.1542	1.088	-.0322	4.969	33.34

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	-3.298	.1717	67.12	-.0473	.9775	1.805
Stddev	.984	.0832	13.80	.2386	.6246	.352
%RSD	29.84	48.42	20.55	505.0	63.90	19.49

#1	-4.260	.2608	83.02	-.0492	.5404	1.627
#2	-2.293	.1583	58.27	-.2849	1.693	1.577
#3	-3.340	.0961	60.08	.1924	.6992	2.210

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

Sample Name: CCB Acquired: 2/27/2016 18:39:49 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.788	-.0018	.0653	.0401	2.930	1.565
Stddev	.702	.8158	.3157	.0120	.879	.243
%RSD	12.12	45180.	483.9	29.90	30.00	15.53
#1	6.141	-.8487	.3597	.0263	3.942	1.328
#2	6.242	.7787	.1042	.0463	2.352	1.814
#3	4.980	.0645	-.2682	.0479	2.497	1.553

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7106	.0681	.7803	10.02
Stddev	.1361	.0417	.4592	4.50
%RSD	19.16	61.19	58.85	44.87
#1	-.6174	.0297	.2626	4.830
#2	-.6476	.1124	.9400	12.59
#3	-.8669	.0622	1.138	12.64

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	9639.2	53517.	10059.
Stddev	15.8	197.	84.
%RSD	.16410	.36724	.83732
#1	9621.1	53400.	10145.
#2	9645.6	53407.	10055.
#3	9650.8	53744.	9976.5

Sample Name: CCVL Acquired: 2/27/2016 18:43:40 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	190.7	16.42	8.209	188.1	1.918	4565.
Stddev	6.0	.71	.062	.4	.111	31.
%RSD	3.134	4.308	.7508	.2083	5.787	.6731

#1	192.5	16.55	8.250	188.1	1.815	4530.
#2	195.5	15.66	8.138	187.6	1.904	4589.
#3	184.0	17.05	8.238	188.4	2.036	4575.

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	3.862	47.54	9.810	22.61	159.5	4476.
Stddev	.048	.23	.682	.32	6.4	26.
%RSD	1.231	.4876	6.956	1.394	4.037	.5911

#1	3.911	47.81	9.279	22.29	156.1	4497.
#2	3.859	47.41	9.571	22.92	155.4	4486.
#3	3.816	47.40	10.58	22.62	166.9	4447.

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	4543.	14.99	4673.	39.05	9.824	19.62
Stddev	44.	.13	10.	.87	1.312	1.16
%RSD	.9660	.8771	.2067	2.227	13.35	5.914

#1	4493.	14.85	4662.	38.60	10.64	19.37
#2	4566.	15.02	4676.	40.05	8.311	18.61
#3	4571.	15.11	4681.	38.50	10.52	20.89

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

Sample Name: CCVL Acquired: 2/27/2016 18:43:40 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.26	20.36	46.10	31.04	44.97	17.46
Stddev	2.49	1.90	.15	.24	.30	.21
%RSD	12.28	9.344	.3250	.7598	.6678	1.177

#1	20.95	18.16	45.94	31.28	45.02	17.25
#2	17.50	21.41	46.13	31.05	45.25	17.46
#3	22.33	21.50	46.24	30.80	44.65	17.66

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.25	18.88	18.53	F 21.62
Stddev	1.08	.04	.40	12.57
%RSD	2.340	.2156	2.137	58.12

#1	47.48	18.84	18.11	35.49
#2	45.79	18.92	18.90	10.98
#3	45.47	18.88	18.58	18.41

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9640.2	53126.	9880.9
Stddev	34.6	448.	272.0
%RSD	.35889	.84272	2.7523

#1	9665.1	53631.	10192.
#2	9600.7	52778.	9690.3
#3	9654.8	52969.	9760.1

Sample Name: mb 460-352643/1-a@2 Acquired: 2/27/2016 18:47:27 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.803	3.095	-3.958	-1.976	.0565	-20.44
Stddev	8.641	.393	.5206	.1193	.0647	1.87
%RSD	127.0	12.68	131.5	60.37	114.5	9.166
#1	5.890	3.525	.1756	-.2462	.0342	-22.54
#2	-1.344	3.003	-.5199	-.0617	.1294	-18.95
#3	15.86	2.756	-.8431	-.2850	.0059	-19.83

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0521	.0816	-.0135	-.6798	-3.183	26.49
Stddev	.0549	.1486	.0437	.1051	7.228	16.24
%RSD	105.2	182.1	322.6	15.47	227.1	61.29
#1	-.0045	-.0395	.0210	-.5983	-4.401	15.73
#2	-.0397	.2475	-.0626	-.6426	-9.725	45.17
#3	-.1122	.0368	.0010	-.7985	4.576	18.58

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.847	.0317	43.57	-.1357	.9904	-1.554
Stddev	3.772	.0762	8.41	.4698	1.111	2.358
%RSD	132.5	240.6	19.29	346.2	112.1	151.7
#1	-1.902	-.0514	52.53	-.2653	2.169	-3.201
#2	.3628	.0983	35.86	-.5270	-.0359	-2.609
#3	-7.002	.0480	42.32	.3853	.8377	1.147

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

Sample Name: mb 460-352643/1-a@2 Acquired: 2/27/2016 18:47:27 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.043	-.1418	-.2283	.0744	.8002	-.1647
Stddev	.555	.8565	.4792	.0842	.3099	.1472
%RSD	13.72	604.0	209.9	113.2	38.72	89.41
#1	4.519	-1.094	-.7725	.1683	1.027	-.0781
#2	3.434	.1030	.1302	.0491	.9267	-.3347
#3	4.178	.5656	-.0424	.0057	.4471	-.0812

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2618	-.0330	-1.030	26.71
Stddev	.3950	.0852	.066	5.82
%RSD	150.8	258.1	6.377	21.78
#1	-.6033	-.0052	-1.069	31.49
#2	-.3530	.0348	-1.066	28.40
#3	.1707	-.1286	-.9541	20.23

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	9668.5	53896.	10128.
Stddev	70.4	688.	209.
%RSD	.72795	1.2761	2.0660
#1	9591.3	53560.	10023.
#2	9685.0	53440.	9992.1
#3	9729.2	54687.	10369.

Sample Name: 460-109319-e-1-a@4 Acquired: 2/27/2016 18:51:18 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45030.	6.328	-1.779	574.6	4.309	111600.
Stddev	192.	3.033	.272	.5	.077	466.
%RSD	.4269	47.93	15.27	.0786	1.777	.4172

#1	44820.	5.033	-1.749	574.6	4.327	111200.
#2	45200.	9.793	-1.523	575.0	4.376	111500.
#3	45070.	4.157	-2.064	574.1	4.226	112100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1451	51.83	78.59	86.11	79370.	10910.
Stddev	.0980	.29	.47	.53	199.	5.
%RSD	67.57	.5522	.5932	.6179	.2500	.0492

#1	-.0324	51.58	78.06	86.50	79240.	10900.
#2	-.2105	52.14	78.89	85.51	79270.	10910.
#3	-.1924	51.76	78.83	86.32	79600.	10900.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39030.	2801.	4405.	111.7	41.45	2.528
Stddev	235.	7.	10.	.6	.86	.791
%RSD	.6029	.2401	.2170	.5549	2.071	31.29

#1	38800.	2796.	4398.	111.3	40.51	2.603
#2	39020.	2800.	4401.	112.4	42.19	3.278
#3	39270.	2809.	4416.	111.4	41.64	1.702

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

Sample Name: 460-109319-e-1-a@4 Acquired: 2/27/2016 18:51:18 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3708	.9150	89.53	313.1	45.64	.6499
Stddev	2.782	1.629	.48	1.0	.35	.1510
%RSD	750.2	178.0	.5384	.3099	.7596	23.24
#1	3.535	2.626	89.36	312.2	45.88	.7462
#2	-1.689	-.6166	89.16	312.9	45.80	.4759
#3	-.7335	.7353	90.08	314.1	45.24	.7277

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.869	146.0	1149.	1595.
Stddev	.093	.3	1.	22.
%RSD	4.964	.2095	.1092	1.349
#1	1.956	145.8	1147.	1573.
#2	1.880	145.9	1149.	1616.
#3	1.772	146.4	1150.	1594.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9561.7	52846.	10356.
Stddev	34.9	146.	16.
%RSD	.36507	.27697	.15511
#1	9555.4	52797.	10337.
#2	9599.4	53011.	10363.
#3	9530.4	52730.	10367.

Sample Name: 460-109313-a-2-e@4 Acquired: 2/27/2016 18:54:58 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34580.	19.07	.7431	621.5	1.849	24410.
Stddev	145.	.74	.2382	.7	.077	204.
%RSD	.4195	3.902	32.06	.1135	4.159	.8369
#1	34420.	19.27	.4696	621.9	1.914	24170.
#2	34700.	18.25	.8546	622.0	1.764	24530.
#3	34620.	19.70	.9051	620.7	1.868	24530.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.262	35.03	104.3	423.8	106000.	3170.
Stddev	.082	.10	.3	.5	634.	7.
%RSD	3.627	.2935	.3317	.1208	.5983	.2345
#1	2.355	34.96	104.1	423.3	105200.	3164.
#2	2.201	35.15	104.7	424.3	106400.	3178.
#3	2.230	34.98	104.2	423.6	106300.	3169.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15190.	1513.	1777.	80.73	927.8	8.763
Stddev	145.	8.	1.	.60	2.4	1.055
%RSD	.9564	.5152	.0811	.7400	.2535	12.04
#1	15040.	1504.	1779.	81.21	925.1	9.625
#2	15320.	1519.	1776.	80.92	929.0	9.077
#3	15220.	1516.	1777.	80.06	929.3	7.586

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

Sample Name: 460-109313-a-2-e@4 Acquired: 2/27/2016 18:54:58 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.920	.3237	149.3	1056.	175.9	5.182
Stddev	4.351	1.447	.6	4.	.7	.130
%RSD	226.6	447.1	.4246	.3780	.4036	2.502
#1	6.899	-1.026	148.6	1052.	175.5	5.167
#2	-1.146	1.852	149.5	1056.	176.7	5.060
#3	.0065	.1456	149.8	1060.	175.4	5.318

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	146.6	103.4	1295.	1110.
Stddev	.1	.2	3.	24.
%RSD	.0450	.1955	.2266	2.157
#1	146.5	103.3	1291.	1108.
#2	146.5	103.6	1297.	1087.
#3	146.6	103.2	1295.	1134.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9611.7	53315.	10155.
Stddev	25.1	204.	105.
%RSD	.26100	.38313	1.0387
#1	9586.6	53515.	10087.
#2	9636.8	53107.	10102.
#3	9611.7	53322.	10277.

Sample Name: 460-109268-e-1-b@4 Acquired: 2/27/2016 18:58:36 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36070.	25.94	.5036	487.9	2.503	123400.
Stddev	134.	2.06	.8623	.5	.024	930.
%RSD	.3701	7.954	171.2	.0990	.9583	.7542
#1	36140.	26.76	-.4856	487.3	2.504	123900.
#2	36160.	27.48	.8997	488.0	2.526	123900.
#3	35920.	23.60	1.097	488.3	2.478	122300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2623	26.65	81.19	178.7	67440.	3421.
Stddev	.1266	.26	.31	2.0	396.	54.
%RSD	48.25	.9934	.3841	1.093	.5871	1.567
#1	.1219	26.35	81.47	180.7	67730.	3371.
#2	.3675	26.78	81.25	178.5	67600.	3478.
#3	.2977	26.84	80.86	176.8	66990.	3414.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20340.	1019.	578.6	46.16	743.6	4.086
Stddev	147.	5.	6.3	.84	2.1	3.903
%RSD	.7218	.4505	1.095	1.810	.2843	95.52
#1	20430.	1021.	577.4	45.21	742.9	7.468
#2	20410.	1021.	573.0	46.55	742.0	4.975
#3	20170.	1013.	585.5	46.74	746.0	-.1846

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

Sample Name: 460-109268-e-1-b@4 Acquired: 2/27/2016 18:58:36 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3590	.4924	104.4	253.9	8.523	2.463
Stddev	2.476	.6684	.8	1.0	.100	.203
%RSD	689.7	135.8	.7341	.3877	1.167	8.242
#1	2.751	1.254	105.1	254.2	8.429	2.262
#2	-2.194	.0057	104.6	252.7	8.514	2.459
#3	.5195	.2170	103.6	254.6	8.627	2.668

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.42	282.0	753.2	1199.
Stddev	.54	.7	2.5	5.
%RSD	1.147	.2352	.3376	.4381
#1	46.97	281.4	754.1	1193.
#2	47.26	282.7	755.2	1199.
#3	48.02	281.9	750.3	1204.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9537.8	53103.	10369.
Stddev	41.6	562.	252.
%RSD	.43595	1.0587	2.4345
#1	9495.7	52582.	10146.
#2	9578.8	53028.	10318.
#3	9539.0	53699.	10643.

Sample Name: 460-109268-e-2-b@4 Acquired: 2/27/2016 19:02:16 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37480.	26.59	.1153	507.4	2.378	82200.
Stddev	60.	3.78	.3363	1.0	.167	963.
%RSD	.1593	14.20	291.6	.1966	7.033	1.171
#1	37450.	22.44	.2285	507.9	2.537	81100.
#2	37550.	29.82	.3804	508.0	2.204	82630.
#3	37450.	27.52	-.2630	506.3	2.394	82870.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0537	26.86	86.22	165.7	68200.	3650.
Stddev	.0379	.15	1.35	.8	521.	32.
%RSD	70.48	.5412	1.563	.4727	.7634	.8699
#1	.0421	26.99	84.67	166.6	67610.	3687.
#2	.0231	26.70	87.11	165.5	68390.	3637.
#3	.0960	26.89	86.88	165.1	68590.	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	11190.	1042.	698.4	48.10	819.4	3.885
Stddev	110.	7.	5.7	.61	2.3	2.607
%RSD	.9842	.6978	.8126	1.276	.2758	67.10
#1	11060.	1034.	697.3	47.97	821.9	5.255
#2	11230.	1045.	704.6	48.77	818.7	5.521
#3	11270.	1048.	693.4	47.56	817.6	.8786

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

Sample Name: 460-109268-e-2-b@4 Acquired: 2/27/2016 19:02:16 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1591	1.370	107.8	293.1	8.287	2.206
Stddev	.6293	.643	.8	.6	.411	.102
%RSD	395.5	46.93	.7114	.2193	4.959	4.642
#1	-.2927	1.969	107.2	292.8	8.657	2.132
#2	.5263	.6904	107.5	292.7	7.845	2.162
#3	-.7109	1.451	108.6	293.9	8.358	2.323

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	38.75	316.0	767.7	1345.
Stddev	.48	1.1	2.1	24.
%RSD	1.229	.3460	.2750	1.780
#1	39.30	317.2	765.2	1368.
#2	38.52	315.8	769.2	1320.
#3	38.44	315.0	768.6	1347.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9611.4	53155.	10219.
Stddev	48.1	600.	161.
%RSD	.50035	1.1289	1.5761
#1	9577.3	53832.	10403.
#2	9666.4	52943.	10107.
#3	9590.5	52689.	10145.

Sample Name: 460-109268-e-3-b@4 Acquired: 2/27/2016 19:05:56 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29150.	20.59	-7665	410.0	2.007	70030.
Stddev	110.	1.00	.1210	.5	.061	652.
%RSD	.3770	4.846	15.79	.1202	3.048	.9306
#1	29020.	19.79	-.9056	409.4	2.063	69290.
#2	29190.	20.27	-.7078	410.0	2.016	70260.
#3	29230.	21.71	-.6860	410.4	1.942	70530.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0256	21.38	105.1	115.6	87190.	3337.
Stddev	.1748	.11	.7	.4	587.	43.
%RSD	682.6	.5294	.6236	.3371	.6731	1.296
#1	.1328	21.44	104.6	116.0	86520.	3308.
#2	.0035	21.45	105.0	115.6	87440.	3316.
#3	-.2132	21.25	105.9	115.2	87620.	3386.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13300.	855.9	712.1	38.93	761.8	4.333
Stddev	95.	4.7	4.9	.79	1.0	.762
%RSD	.7152	.5521	.6823	2.039	.1282	17.59
#1	13190.	850.5	714.5	38.22	760.7	5.106
#2	13370.	857.9	715.3	38.78	762.2	4.310
#3	13340.	859.3	706.5	39.78	762.5	3.582

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

Sample Name: 460-109268-e-3-b@4 Acquired: 2/27/2016 19:05:56 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.066	1.627	92.84	348.0	10.92	2.273
Stddev	2.854	2.290	1.08	1.8	.31	.629
%RSD	267.6	140.8	1.160	.5287	2.811	27.69
#1	-2.781	-.9230	91.89	345.9	11.22	2.448
#2	2.228	3.508	92.63	349.4	10.94	1.575
#3	-2.646	2.296	94.01	348.6	10.61	2.796

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	34.40	314.8	732.5	1316.
Stddev	.78	.6	.8	20.
%RSD	2.258	.1797	.1158	1.543
#1	33.55	314.3	731.7	1321.
#2	35.08	315.4	732.4	1334.
#3	34.58	314.7	733.4	1294.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9611.1	53767.	10300.
Stddev	19.4	377.	79.
%RSD	.20193	.70023	.77160
#1	9633.5	54172.	10381.
#2	9599.8	53701.	10222.
#3	9600.1	53428.	10296.

Sample Name: 460-109268-e-4-b@4 Acquired: 2/27/2016 19:09:35 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33970.	14.51	-1.497	196.3	3.754	74890.
Stddev	62.	1.80	.097	.4	.086	255.
%RSD	.1816	12.43	6.472	.2190	2.290	.3403
#1	33890.	15.92	-1.390	196.7	3.822	74620.
#2	34000.	15.12	-1.579	195.9	3.657	74940.
#3	34000.	12.47	-1.522	196.3	3.784	75120.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3749	38.98	119.8	76.95	109500.	3646.
Stddev	.0783	.16	.9	.76	303.	15.
%RSD	20.89	.3978	.7621	.9924	.2764	.3986
#1	-.3760	38.88	118.7	76.15	109100.	3630.
#2	-.4526	39.16	120.2	77.66	109500.	3658.
#3	-.2960	38.89	120.4	77.05	109700.	3651.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20000.	869.0	852.1	62.17	195.2	4.557
Stddev	54.	1.5	5.5	.21	3.2	.319
%RSD	.2680	.1759	.6466	.3383	1.635	6.993
#1	19950.	867.2	850.0	62.37	192.5	4.283
#2	20000.	869.8	858.4	62.18	198.7	4.907
#3	20050.	870.0	848.0	61.95	194.3	4.483

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

Sample Name: 460-109268-e-4-b@4 Acquired: 2/27/2016 19:09:35 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.006	2.352	98.50	233.0	13.20	1.916
Stddev	1.649	1.280	.83	1.0	.25	.217
%RSD	82.22	54.43	.8376	.4487	1.883	11.34
#1	-3.711	2.711	97.61	232.2	13.01	1.831
#2	-1.889	3.414	98.67	234.2	13.11	1.754
#3	-4.185	.9306	99.23	232.8	13.48	2.163

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.732	421.2	890.4	2627.
Stddev	.208	.7	2.4	47.
%RSD	5.562	.1564	.2746	1.805
#1	3.941	421.6	887.7	2666.
#2	3.730	421.5	892.4	2639.
#3	3.525	420.4	891.0	2574.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9485.2	52347.	9962.7
Stddev	27.3	115.	89.1
%RSD	.28745	.21992	.89419
#1	9503.3	52223.	9930.5
#2	9453.9	52451.	10063.
#3	9498.5	52365.	9894.2

Sample Name: 460-109268-e-5-b@4 Acquired: 2/27/2016 19:13:15 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40050.	35.26	.7941	410.0	2.849	64430.
Stddev	64.	2.25	.2060	.4	.084	507.
%RSD	.1589	6.378	25.95	.1066	2.934	.7877
#1	40030.	37.34	1.032	410.5	2.944	63900.
#2	40000.	32.88	.6635	409.7	2.787	64490.
#3	40120.	35.57	.6871	409.9	2.816	64910.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4552	28.22	97.41	104.6	71420.	4902.
Stddev	.2393	.12	1.05	1.0	331.	98.
%RSD	52.56	.4122	1.083	.9500	.4635	1.995
#1	.4706	28.27	96.46	105.2	71060.	4826.
#2	.6865	28.08	98.55	105.0	71490.	5012.
#3	.2087	28.30	97.24	103.4	71710.	4867.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18620.	997.1	901.4	57.83	687.0	2.350
Stddev	136.	4.9	2.9	.24	2.6	.317
%RSD	.7286	.4900	.3222	.4191	.3836	13.47
#1	18470.	991.7	903.0	57.61	684.4	2.301
#2	18640.	998.3	903.2	57.79	689.7	2.688
#3	18740.	1001.	898.1	58.09	687.1	2.061

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

Sample Name: 460-109268-e-5-b@4 Acquired: 2/27/2016 19:13:15 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.166	1.182	114.1	626.4	14.38	2.243
Stddev	1.525	1.674	.3	4.3	.15	.307
%RSD	130.8	141.7	.2966	.6871	1.040	13.67
#1	.2149	.7499	113.7	621.5	14.20	2.118
#2	-.9106	-.2343	114.1	628.2	14.44	2.592
#3	-2.803	3.029	114.4	629.5	14.48	2.019

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	29.58	326.2	1058.	2104.
Stddev	.38	.4	2.	53.
%RSD	1.294	.1080	.1664	2.540
#1	29.31	326.0	1056.	2104.
#2	29.41	326.0	1059.	2158.
#3	30.02	326.6	1059.	2051.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9565.0	53311.	10039.
Stddev	15.5	177.	149.
%RSD	.16229	.33202	1.4805
#1	9582.9	53467.	9921.0
#2	9555.9	53348.	10206.
#3	9556.1	53119.	9990.0

Sample Name: 460-109268-e-6-b@4 Acquired: 2/27/2016 19:16:54 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23440.	14.72	8.321	401.0	1.557	188400.
Stddev	80.	1.06	.878	1.2	.095	565.
%RSD	.3423	7.174	10.55	.2996	6.123	.2997
#1	23350.	13.68	9.262	399.7	1.663	188700.
#2	23490.	14.70	8.181	401.4	1.479	188700.
#3	23490.	15.79	7.522	402.0	1.529	187800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.600	15.51	54.44	92.08	49760.	5839.
Stddev	.015	.11	.46	.08	114.	36.
%RSD	.2739	.6771	.8367	.0893	.2295	.6185
#1	5.583	15.47	54.19	92.14	49870.	5822.
#2	5.613	15.42	54.16	91.99	49760.	5880.
#3	5.603	15.62	54.96	92.12	49650.	5813.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33770.	1020.	1200.	33.10	618.4	3.404
Stddev	131.	2.	5.	1.12	1.6	2.684
%RSD	.3890	.1880	.4414	3.388	.2523	78.86
#1	33860.	1023.	1198.	33.90	616.8	1.585
#2	33840.	1020.	1195.	31.82	618.7	2.139
#3	33620.	1019.	1206.	33.57	619.9	6.487

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

Sample Name: 460-109268-e-6-b@4 Acquired: 2/27/2016 19:16:54 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3986	.4032	69.21	830.4	21.08	2.035
Stddev	.5936	2.623	.33	1.3	.30	.176
%RSD	148.9	650.6	.4839	.1535	1.434	8.666
#1	1.076	3.411	69.59	831.1	21.08	1.939
#2	-.0319	-1.406	69.05	831.2	20.77	1.927
#3	.1519	-.7961	68.98	828.9	21.37	2.238

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	45.94	1090.	1034.	1766.
Stddev	.15	2.	1.	7.
%RSD	.3273	.1417	.0660	.3697
#1	46.07	1090.	1034.	1770.
#2	45.78	1089.	1034.	1770.
#3	45.97	1092.	1033.	1759.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9338.3	51833.	9857.7
Stddev	45.9	480.	34.8
%RSD	.49203	.92674	.35351
#1	9285.2	51354.	9825.8
#2	9364.3	51831.	9852.4
#3	9365.3	52315.	9894.9

Sample Name: 460-109268-e-7-b@4 Acquired: 2/27/2016 19:20:33 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19040.	15.54	1.157	454.2	1.222	F 329500.
Stddev	19.	.89	.667	1.1	.090	2615.
%RSD	.1014	5.717	57.62	.2530	7.356	.7935

#1	19040.	14.59	.9520	454.8	1.252	331500.
#2	19060.	16.36	1.902	454.9	1.121	326600.
#3	19020.	15.68	.6172	452.9	1.293	330400.

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	2.719	13.14	54.46	109.4	34580.	3353.
Stddev	.141	.14	.88	1.4	227.	32.
%RSD	5.191	1.033	1.612	1.249	.6569	.9669

#1	2.594	13.02	55.47	108.0	34730.	3382.
#2	2.872	13.12	53.85	110.7	34320.	3318.
#3	2.691	13.29	54.07	109.5	34690.	3359.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35480.	597.3	1490.	31.40	489.0	.4106
Stddev	279.	3.1	10.	.79	1.9	.2801
%RSD	.7865	.5210	.7035	2.521	.3896	68.22

#1	35690.	600.1	1501.	31.54	487.0	.0871
#2	35160.	593.9	1490.	30.54	490.8	.5716
#3	35580.	597.8	1480.	32.11	489.3	.5731

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

Sample Name: 460-109268-e-7-b@4 Acquired: 2/27/2016 19:20:33 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.203	-1.300	65.47	1105.	44.24	1.595
Stddev	1.241	3.456	.55	5.	.80	.152
%RSD	103.2	265.7	.8373	.4389	1.812	9.506
#1	-2.552	-.0176	66.08	1103.	44.51	1.461
#2	-.9473	1.330	65.01	1101.	44.88	1.760
#3	-.1093	-5.214	65.32	1110.	43.34	1.564

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	21.78	2290.	687.1	3364.
Stddev	.83	5.	.4	35.
%RSD	3.792	.1970	.0617	1.029
#1	21.40	2286.	687.6	3339.
#2	21.21	2295.	686.7	3403.
#3	22.73	2290.	687.0	3349.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9251.5	52373.	10289.
Stddev	26.1	818.	210.
%RSD	.28178	1.5622	2.0409
#1	9233.1	51445.	10071.
#2	9281.3	52989.	10490.
#3	9240.0	52685.	10304.

Sample Name: CCV Acquired: 2/27/2016 19:24:14 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125900.	2509.	1248.	10150.	1016.	127500.
Stddev	344.	7.	3.	6.	3.	180.
%RSD	.2731	.2814	.2639	.0619	.3235	.1413

#1	126200.	2516.	1251.	10140.	1018.	127700.
#2	126100.	2510.	1245.	10140.	1016.	127300.
#3	125500.	2502.	1249.	10150.	1012.	127500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1269.	2530.	5084.	12460.	102500.	51090.
Stddev	3.	5.	5.	14.	23.	132.
%RSD	.2266	.1811	.0896	.1158	.0223	.2579

#1	1269.	2527.	5089.	12450.	102500.	51160.
#2	1266.	2527.	5084.	12450.	102400.	51160.
#3	1272.	2535.	5080.	12480.	102500.	50930.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127000.	5189.	128700.	2546.	7640.	991.1
Stddev	129.	5.	482.	1.	14.	3.9
%RSD	.1012	.0910	.3741	.0522	.1851	.3932

#1	127200.	5185.	129200.	2546.	7634.	993.0
#2	127000.	5189.	128800.	2545.	7629.	993.6
#3	127000.	5194.	128200.	2547.	7656.	986.6

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

Sample Name: CCV Acquired: 2/27/2016 19:24:14 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2498.	2593.	2515.	2577.	991.8	2474.
Stddev	11.	6.	3.	12.	4.0	3.
%RSD	.4331	.2200	.1133	.4679	.4045	.1070

#1	2488.	2587.	2518.	2580.	987.9	2473.
#2	2510.	2599.	2515.	2564.	995.9	2477.
#3	2497.	2593.	2513.	2587.	991.4	2472.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1010.	5128.	10230.	9532.
Stddev	2.	9.	14.	132.
%RSD	.1687	.1796	.1328	1.381

#1	1012.	5121.	10220.	9404.
#2	1009.	5138.	10230.	9524.
#3	1010.	5124.	10250.	9667.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9033.5	49435.	9425.5
Stddev	46.3	161.	160.1
%RSD	.51277	.32655	1.6989

#1	9042.2	49537.	9251.3
#2	9074.8	49518.	9458.9
#3	8983.4	49249.	9566.3

Sample Name: CCB Acquired: 2/27/2016 19:27:38 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.958	3.309	-.2305	.1824	-.0198	-17.26
Stddev	4.841	1.193	.2202	.3984	.1048	1.37
%RSD	97.64	36.07	95.53	218.5	528.4	7.923
#1	7.460	4.687	-.0546	.6252	.0609	-17.69
#2	8.037	2.634	-.4775	.0689	.0178	-18.36
#3	-.6218	2.606	-.1595	-.1470	-.1382	-15.73

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	.0248	.1942	.3208	-.1488	7.275	4.543
Stddev	.0870	.2138	.1662	.2324	3.628	10.39
%RSD	350.0	110.1	51.80	156.2	49.86	228.7
#1	.0855	.0521	.3329	-.3456	11.38	14.59
#2	.0639	.0905	.1489	.1076	5.970	5.193
#3	-.0748	.4402	.4805	-.2083	4.481	-6.158

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8018	.2604	48.48	.0643	.9221	2.011
Stddev	4.665	.0891	7.74	.6385	.4190	.874
%RSD	581.8	34.22	15.96	992.3	45.45	43.44
#1	5.034	.3602	56.28	-.5970	1.355	1.198
#2	1.572	.1888	40.81	.1128	.5188	1.900
#3	-4.201	.2322	48.34	.6772	.8921	2.934

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

Sample Name: CCB Acquired: 2/27/2016 19:27:38 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.831	-.4660	-.1929	.0919	2.009	1.441
Stddev	2.198	.3191	.3103	.1994	.727	.076
%RSD	77.65	68.48	160.9	217.0	36.20	5.264
#1	5.359	-.5870	-.2300	-.1366	2.730	1.519
#2	1.764	-.1041	-.4829	.1818	2.020	1.437
#3	1.370	-.7068	.1343	.2304	1.276	1.367

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5752	.1032	.9840	9.556
Stddev	.2309	.1639	.2930	14.84
%RSD	40.15	158.8	29.78	155.3
#1	-.4736	.2189	.6716	16.80
#2	-.4125	.1749	1.028	-7.517
#3	-.8395	-.0843	1.253	19.38

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	9661.9	53551.	9866.3
Stddev	117.9	843.	178.9
%RSD	1.2206	1.5741	1.8138
#1	9552.5	53646.	9939.9
#2	9646.3	52664.	9662.3
#3	9786.8	54342.	9996.7

Sample Name: CCVL Acquired: 2/27/2016 19:31:28 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	193.8	15.96	8.416	188.2	1.899	4541.
Stddev	7.5	.37	.184	.0	.020	36.
%RSD	3.892	2.317	2.185	.0247	1.044	.7963

#1	190.7	16.34	8.345	188.3	1.915	4505.
#2	202.4	15.95	8.625	188.2	1.877	4539.
#3	188.3	15.60	8.278	188.2	1.905	4578.

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	3.770	47.43	10.04	22.50	164.5	4526.
Stddev	.165	.01	.03	.47	2.1	23.
%RSD	4.374	.0288	.3307	2.084	1.295	.5104

#1	3.920	47.44	10.01	21.98	166.9	4548.
#2	3.796	47.42	10.07	22.63	163.4	4502.
#3	3.593	47.42	10.05	22.89	163.1	4529.

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	4536.	14.92	4636.	38.78	11.28	18.35
Stddev	45.	.15	17.	.25	.71	.84
%RSD	1.002	1.022	.3636	.6451	6.297	4.566

#1	4489.	14.75	4621.	38.65	11.59	17.73
#2	4537.	14.98	4632.	39.06	11.77	19.31
#3	4580.	15.03	4654.	38.61	10.46	18.02

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

Sample Name: CCVL Acquired: 2/27/2016 19:31:28 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.61	19.99	45.94	30.87	44.35	17.38
Stddev	1.33	.45	.79	.18	.35	.09
%RSD	6.776	2.271	1.713	.5679	.7935	.5140

#1	20.81	19.83	45.43	30.71	44.62	17.28
#2	18.18	20.50	45.55	31.06	44.48	17.41
#3	19.82	19.64	46.85	30.83	43.95	17.46

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	45.19	18.95	18.40	F 11.65
Stddev	.59	.16	.27	5.27
%RSD	1.312	.8357	1.492	45.22

#1	44.99	18.78	18.15	12.19
#2	44.72	18.98	18.34	16.62
#3	45.85	19.09	18.69	6.131

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	9709.8	53567.	10097.
Stddev	22.9	341.	73.
%RSD	.23588	.63650	.72168

#1	9734.8	53960.	10156.
#2	9689.9	53373.	10016.
#3	9704.8	53366.	10120.

Sample Name: 460-109268-e-8-b@4 Acquired: 2/27/2016 19:35:15 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39470.	23.89	-9704	377.3	2.712	102100.
Stddev	171.	1.22	.1570	.6	.101	261.
%RSD	.4322	5.090	16.18	.1640	3.729	.2557
#1	39290.	25.19	-1.076	377.7	2.658	101800.
#2	39490.	22.78	-1.046	377.6	2.650	102300.
#3	39620.	23.71	-.7898	376.6	2.829	102200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4065	31.08	92.94	103.8	99120.	4507.
Stddev	.0728	.61	.15	.3	130.	24.
%RSD	17.91	1.956	.1645	.3330	.1308	.5224
#1	.3900	31.25	92.76	103.9	98970.	4503.
#2	.4861	31.59	93.03	103.4	99220.	4486.
#3	.3433	30.41	93.02	104.1	99170.	4532.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23870.	1174.	1054.	56.81	402.8	5.808
Stddev	30.	1.	4.	.36	.6	.521
%RSD	.1267	.0834	.3948	.6310	.1593	8.976
#1	23840.	1173.	1053.	57.07	402.2	6.402
#2	23900.	1175.	1050.	56.97	403.5	5.426
#3	23870.	1174.	1058.	56.40	402.8	5.597

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

Sample Name: 460-109268-e-8-b@4 Acquired: 2/27/2016 19:35:15 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.008	.0633	105.9	721.9	11.92	3.374
Stddev	3.648	1.299	.6	3.9	.64	.140
%RSD	361.9	2052.	.5596	.5347	5.378	4.154
#1	-3.786	1.059	106.4	724.1	11.19	3.229
#2	3.123	-1.406	105.2	724.1	12.38	3.383
#3	-2.361	.5372	106.2	717.4	12.18	3.509

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	44.94	585.1	872.2	1374.
Stddev	.59	.9	.5	9.
%RSD	1.302	.1590	.0554	.6201
#1	44.72	584.6	872.2	1370.
#2	45.61	584.5	871.7	1384.
#3	44.50	586.2	872.7	1369.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9360.9	51172.	9703.6
Stddev	75.5	399.	16.0
%RSD	.80675	.77995	.16472
#1	9300.9	50777.	9694.0
#2	9336.1	51164.	9694.8
#3	9445.7	51575.	9722.1

Sample Name: 460-109268-e-9-b@4 Acquired: 2/27/2016 19:38:54 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15730.	11.61	.6707	436.1	.8922	F 253600.
Stddev	54.	1.53	.4844	.5	.0425	1218.
%RSD	.3416	13.21	72.22	.1102	4.760	.4803
#1	15720.	10.98	.2492	435.6	.9313	255000.
#2	15790.	13.36	.5630	436.6	.8984	252900.
#3	15680.	10.49	1.200	436.0	.8470	252800.
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	3.116	12.17	184.8	125.7	42590.	3114.
Stddev	.162	.27	1.1	.6	192.	22.
%RSD	5.206	2.223	.6140	.5012	.4514	.7004
#1	2.962	12.48	186.1	125.1	42810.	3099.
#2	3.101	12.06	184.0	126.3	42510.	3139.
#3	3.285	11.98	184.2	125.7	42460.	3105.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28720.	579.8	1367.	257.7	570.1	2.628
Stddev	111.	1.3	11.	.7	.6	.763
%RSD	.3875	.2255	.7714	.2565	.1119	29.05
#1	28850.	581.1	1355.	258.2	570.3	1.780
#2	28660.	578.5	1374.	257.0	569.3	3.262
#3	28650.	579.8	1372.	258.0	570.5	2.841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109268-e-9-b@4 Acquired: 2/27/2016 19:38:54 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.726	-.0293	56.69	968.5	31.83	27.49
Stddev	2.469	.7993	.40	7.6	.47	.17
%RSD	143.1	2727.	.7002	.7861	1.463	.6162
#1	-0.7285	-0.9378	56.97	968.5	32.02	27.35
#2	1.697	.5663	56.24	960.8	31.30	27.45
#3	4.209	.2835	56.87	976.0	32.17	27.68

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	40.55	1766.	578.6	2438.
Stddev	.19	4.	1.0	7.
%RSD	.4754	.2347	.1775	.2963
#1	40.77	1763.	579.8	2440.
#2	40.42	1771.	577.9	2445.
#3	40.46	1765.	578.1	2430.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9296.5	52910.	10399.
Stddev	59.9	613.	213.
%RSD	.64432	1.1580	2.0469
#1	9238.5	52204.	10157.
#2	9358.1	53232.	10482.
#3	9292.8	53295.	10557.

Sample Name: 460-109268-e-10-b@4 Acquired: 2/27/2016 19:42:33 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29330.	13.07	-1.563	108.6	3.078	3295.
Stddev	42.	2.35	.308	.2	.108	17.
%RSD	.1439	17.96	19.69	.1799	3.520	.5160

#1	29290.	14.69	-1.732	108.8	3.195	3312.
#2	29370.	14.15	-1.748	108.4	3.057	3296.
#3	29330.	10.38	-1.207	108.5	2.982	3278.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2882	67.64	86.84	68.13	76380.	3412.
Stddev	.0769	.16	.20	.78	261.	9.
%RSD	26.67	.2301	.2270	1.145	.3423	.2703

#1	-.3676	67.46	86.87	67.47	76570.	3402.
#2	-.2142	67.76	87.02	68.99	76480.	3415.
#3	-.2829	67.69	86.63	67.93	76080.	3420.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8654.	641.4	506.4	52.55	37.02	4.140
Stddev	34.	2.1	6.6	.29	1.00	3.965
%RSD	.3958	.3258	1.304	.5538	2.702	95.77

#1	8668.	643.2	503.8	52.36	37.41	3.961
#2	8680.	641.8	514.0	52.41	35.88	8.192
#3	8615.	639.1	501.6	52.89	37.77	.2678

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

Sample Name: 460-109268-e-10-b@4 Acquired: 2/27/2016 19:42:33 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5991	2.515	96.85	179.9	1.973	2.678
Stddev	1.265	1.941	.18	.1	.221	.359
%RSD	211.2	77.17	.1854	.0697	11.21	13.40
#1	-1.577	3.460	97.05	179.9	1.939	2.987
#2	.8297	.2827	96.70	179.9	1.771	2.284
#3	-1.050	3.803	96.80	179.7	2.209	2.761

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5578	59.38	576.8	821.0
Stddev	.1904	.13	1.3	27.6
%RSD	34.13	.2188	.2207	3.358
#1	-4.131	59.42	578.1	795.6
#2	-.7735	59.23	576.7	816.9
#3	-.4869	59.48	575.6	850.3

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	9851.8	54574.	10326.
Stddev	60.5	817.	188.
%RSD	.61392	1.4974	1.8168
#1	9787.5	53764.	10136.
#2	9860.1	54561.	10332.
#3	9907.6	55398.	10511.

Sample Name: 460-109252-a-5-b@4 Acquired: 2/27/2016 19:46:15 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45950.	40.17	-.5184	1189.	3.359	121300.
Stddev	57.	2.08	.1618	1.	.095	600.
%RSD	.1241	5.184	31.21	.1158	2.816	.4943

#1	45900.	38.71	-.5836	1190.	3.285	121300.
#2	45930.	39.25	-.6375	1189.	3.465	122000.
#3	46010.	42.56	-.3342	1187.	3.326	120800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.510	54.57	97.48	440.7	92270.	5946.
Stddev	.085	.30	1.00	2.1	480.	14.
%RSD	.8933	.5510	1.030	.4764	.5205	.2316

#1	9.515	54.81	97.03	439.3	92170.	5932.
#2	9.422	54.67	98.63	439.6	92790.	5946.
#3	9.592	54.24	96.78	443.1	91840.	5960.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23100.	2207.	1144.	82.90	2172.	9.634
Stddev	99.	8.	4.	.22	6.	2.774
%RSD	.4291	.3821	.3087	.2601	.2764	28.79

#1	23090.	2206.	1148.	82.79	2174.	12.75
#2	23210.	2216.	1142.	83.15	2176.	7.429
#3	23010.	2199.	1142.	82.77	2165.	8.724

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

Sample Name: 460-109252-a-5-b@4 Acquired: 2/27/2016 19:46:15 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2697	.6079	120.5	1751.	29.79	5.095
Stddev	3.627	1.023	.7	11.	.29	.309
%RSD	1345.	168.3	.6188	.6158	.9868	6.062
#1	3.909	-5.734	120.0	1760.	30.10	4.898
#2	-2.116	1.177	121.4	1754.	29.76	5.451
#3	-2.602	1.220	120.3	1739.	29.52	4.936

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	96.98	806.4	1071.	1424.
Stddev	1.32	1.2	3.	1.
%RSD	1.359	.1545	.3247	.0707
#1	98.08	805.4	1068.	1423.
#2	95.52	806.0	1075.	1424.
#3	97.33	807.8	1069.	1425.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9538.5	52860.	10189.
Stddev	43.7	525.	117.
%RSD	.45851	.99272	1.1483
#1	9490.2	52588.	10056.
#2	9549.8	52527.	10233.
#3	9575.4	53465.	10277.

Sample Name: 460-109252-a-6-b@4 Acquired: 2/27/2016 19:49:53 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46220.	49.62	-2.128	103.4	2.822	1435.
Stddev	57.	2.07	.134	.2	.152	3.
%RSD	.1237	4.165	6.302	.1640	5.371	.1849
#1	46170.	49.02	-2.233	103.2	2.728	1438.
#2	46230.	51.92	-1.977	103.3	2.997	1434.
#3	46280.	47.92	-2.174	103.6	2.742	1433.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.039	17.14	172.0	30.19	154200.	3088.
Stddev	.164	.11	.8	.14	104.	26.
%RSD	15.80	.6644	.4479	.4745	.0673	.8532
#1	-.9797	17.01	172.4	30.03	154100.	3109.
#2	-.9121	17.21	172.5	30.31	154300.	3059.
#3	-1.224	17.20	171.1	30.24	154100.	3097.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3760.	445.6	267.3	28.24	46.34	5.782
Stddev	14.	.4	2.7	.17	1.96	1.299
%RSD	.3743	.0920	.9915	.6054	4.227	22.46
#1	3777.	445.4	269.5	28.18	48.49	4.943
#2	3752.	446.1	264.4	28.11	45.89	5.125
#3	3752.	445.3	268.2	28.43	44.66	7.278

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

Sample Name: 460-109252-a-6-b@4 Acquired: 2/27/2016 19:49:53 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.853	3.214	176.4	93.18	6.277	2.936
Stddev	1.718	1.123	.4	.48	.979	.128
%RSD	44.58	34.92	.2486	.5198	15.59	4.364
#1	-5.022	4.503	175.9	92.89	6.296	3.082
#2	-1.881	2.450	176.8	92.91	5.289	2.887
#3	-4.656	2.689	176.4	93.74	7.246	2.840

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2269	18.56	521.2	938.1
Stddev	.6905	.20	1.7	29.3
%RSD	304.4	1.083	.3260	3.122
#1	.8066	18.60	519.3	904.6
#2	-.5371	18.34	522.7	958.7
#3	.4111	18.74	521.5	951.0

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	9711.1	54062.	10380.
Stddev	37.1	636.	184.
%RSD	.38222	1.1764	1.7760
#1	9671.0	53369.	10168.
#2	9744.2	54197.	10468.
#3	9718.1	54619.	10504.

Sample Name: 460-109252-a-7-b@4 Acquired: 2/27/2016 19:53:34 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33120.	42.25	-.2907	865.0	2.807	52950.
Stddev	12.	.94	.2137	1.6	.071	180.
%RSD	.0353	2.214	73.54	.1872	2.514	.3404
#1	33130.	41.74	-.4393	866.8	2.781	53000.
#2	33110.	43.33	-.3869	864.2	2.753	52750.
#3	33130.	41.67	-.0457	863.9	2.887	53100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.576	50.46	80.98	506.0	77360.	3640.
Stddev	.123	.12	.77	3.0	175.	16.
%RSD	3.425	.2452	.9533	.6021	.2262	.4356
#1	3.572	50.40	80.15	502.7	77330.	3646.
#2	3.700	50.61	81.67	508.6	77210.	3652.
#3	3.455	50.39	81.12	506.9	77550.	3622.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10710.	1039.	823.3	83.84	1756.	4.770
Stddev	31.	2.	4.1	.30	8.	2.089
%RSD	.2902	.2339	.5007	.3574	.4433	43.80
#1	10730.	1039.	823.6	83.79	1748.	2.409
#2	10680.	1036.	827.2	83.58	1759.	6.378
#3	10730.	1041.	819.0	84.17	1763.	5.525

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

Sample Name: 460-109252-a-7-b@4 Acquired: 2/27/2016 19:53:34 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.296	-.0275	114.1	1444.	25.48	9.262
Stddev	4.709	.3200	.5	9.	.44	.402
%RSD	109.6	1165.	.4571	.6354	1.712	4.340
#1	4.395	-.2381	113.8	1433.	25.96	9.062
#2	-.4613	-.1850	113.8	1449.	25.37	9.724
#3	8.956	.3407	114.7	1449.	25.11	8.999

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	68.95	804.3	792.8	1325.
Stddev	.47	.7	.5	24.
%RSD	.6864	.0892	.0619	1.778
#1	69.08	803.7	792.9	1299.
#2	69.34	805.1	793.3	1344.
#3	68.42	804.1	792.3	1333.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9616.5	53515.	10280.
Stddev	41.2	425.	255.
%RSD	.42881	.79468	2.4787
#1	9663.7	53069.	10000.
#2	9587.5	53916.	10499.
#3	9598.3	53559.	10342.

Sample Name: 460-109252-a-8-b@4 Acquired: 2/27/2016 19:57:14 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37370.	56.21	-6582	5246.	3.335	71750.
Stddev	97.	1.20	.4728	10.	.147	415.
%RSD	.2607	2.137	71.82	.1973	4.400	.5776
#1	37260.	54.93	-1.138	5250.	3.505	72120.
#2	37430.	56.39	-.6446	5254.	3.248	71830.
#3	37420.	57.31	-.1924	5235.	3.253	71300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.047	47.12	167.8	608.2	166200.	4650.
Stddev	.081	.40	1.0	1.1	835.	16.
%RSD	1.339	.8413	.5891	.1855	.5024	.3350
#1	6.021	47.52	168.6	607.0	166900.	4633.
#2	6.137	47.12	166.7	609.2	166400.	4651.
#3	5.981	46.73	168.2	608.3	165300.	4664.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15100.	1781.	881.6	104.2	4226.	17.03
Stddev	58.	8.	6.2	.9	11.	2.89
%RSD	.3869	.4255	.6987	.8434	.2598	16.98
#1	15160.	1787.	877.8	103.3	4234.	19.06
#2	15090.	1783.	888.7	105.1	4230.	13.72
#3	15050.	1772.	878.3	104.2	4213.	18.29

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

Sample Name: 460-109252-a-8-b@4 Acquired: 2/27/2016 19:57:14 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.066	3.258	159.3	2253.	85.92	10.78
Stddev	3.713	2.611	1.2	3.	.51	.44
%RSD	179.7	80.15	.7478	.1407	.5911	4.064
#1	3.011	5.516	160.0	2257.	85.46	11.22
#2	5.216	3.859	160.1	2252.	85.84	10.34
#3	-2.028	.3984	158.0	2251.	86.47	10.78

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 2542.	670.0	1034.	1321.
Stddev	6.	1.4	2.	30.
%RSD	.2429	.2158	.2062	2.305
#1	2542.	669.1	1035.	1286.
#2	2548.	669.3	1036.	1333.
#3	2535.	671.7	1032.	1343.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9672.3	53727.	10497.
Stddev	45.2	686.	109.
%RSD	.46716	1.2764	1.0418
#1	9620.2	52988.	10442.
#2	9695.3	53849.	10425.
#3	9701.4	54343.	10622.

Sample Name: 460-109372-e-4-a@5 Acquired: 2/27/2016 20:00:49 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82980.	26.33	-2.473	933.0	6.274	56930.
Stddev	292.	2.23	.286	1.6	.182	175.
%RSD	.3516	8.448	11.56	.1670	2.901	.3074
#1	82720.	28.69	-2.743	932.1	6.178	56790.
#2	82920.	24.27	-2.504	932.2	6.484	56860.
#3	83290.	26.04	-2.173	934.8	6.161	57120.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9765	122.3	380.3	313.4	189200.	20430.
Stddev	.1764	.7	1.1	1.3	292.	69.
%RSD	18.07	.5730	.3015	.4084	.1542	.3393
#1	1.180	121.6	379.8	314.7	188900.	20360.
#2	.8740	122.2	379.4	312.2	189300.	20430.
#3	.8752	123.0	381.6	313.3	189500.	20500.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105700.	7129.	12200.	884.0	345.8	2.838
Stddev	320.	17.	22.	2.7	1.5	1.550
%RSD	.3022	.2370	.1764	.3075	.4193	54.61
#1	105500.	7115.	12180.	886.0	346.9	1.075
#2	105600.	7124.	12210.	880.9	344.1	3.983
#3	106100.	7148.	12220.	885.2	346.3	3.457

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

Sample Name: 460-109372-e-4-a@5 Acquired: 2/27/2016 20:00:49 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.559	2.595	225.0	664.0	57.88	21.46
Stddev	2.522	.840	.4	1.8	.25	.39
%RSD	38.45	32.37	.1955	.2696	.4329	1.795
#1	-9.011	3.472	225.5	664.3	57.59	21.72
#2	-3.972	2.515	224.6	662.1	58.06	21.01
#3	-6.694	1.798	225.0	665.6	57.98	21.64

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.424	196.8	3855.	15190.
Stddev	.500	.3	2.	184.
%RSD	35.09	.1448	.0513	1.210
#1	1.212	196.7	3854.	15360.
#2	1.066	197.2	3854.	15220.
#3	1.995	196.7	3858.	14990.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9817.9	54383.	10219.
Stddev	34.9	288.	158.
%RSD	.35516	.53023	1.5437
#1	9814.7	54615.	10347.
#2	9854.3	54474.	10267.
#3	9784.8	54060.	10043.

Sample Name: pds 460-109304-a-1-a Acquired: 2/27/2016 20:04:24 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2089.	2144.	56.76	2133.	53.45	79670.
Stddev	17.	5.	1.57	3.	.16	351.
%RSD	.8181	.2231	2.770	.1528	.2975	.4407
#1	2076.	2143.	55.17	2132.	53.50	79990.
#2	2109.	2139.	56.80	2130.	53.27	79720.
#3	2084.	2149.	58.31	2136.	53.58	79290.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.37	529.6	217.5	272.6	1594.	22340.
Stddev	.17	.2	.5	2.7	13.	21.
%RSD	.3148	.0354	.2119	.9882	.8190	.0954
#1	53.42	529.5	217.1	269.5	1602.	22360.
#2	53.18	529.5	217.4	274.1	1603.	22320.
#3	53.50	529.8	218.0	274.3	1579.	22340.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27370.	556.1	231000.	544.4	539.3	501.9
Stddev	133.	1.8	1597.	1.3	1.1	.8
%RSD	.4853	.3185	.6914	.2316	.1988	.1631
#1	27510.	557.9	232700.	545.6	538.1	502.4
#2	27360.	555.9	230700.	543.1	539.9	502.4
#3	27240.	554.4	229500.	544.4	540.0	501.0

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

Sample Name: pds 460-109304-a-1-a Acquired: 2/27/2016 20:04:24 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2239.	2204.	536.2	586.5	562.9	508.0
Stddev	4.	6.	2.3	1.1	2.2	1.6
%RSD	.1674	.2579	.4351	.1921	.3970	.3169
#1	2235.	2209.	534.9	587.7	561.6	506.5
#2	2243.	2205.	538.9	585.6	565.5	509.7
#3	2239.	2198.	534.8	586.1	561.6	507.7

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	538.3	681.1	538.4	2764.
Stddev	2.7	1.5	.3	30.
%RSD	.5062	.2208	.0503	1.070
#1	537.3	679.4	538.2	2734.
#2	541.4	681.9	538.3	2763.
#3	536.2	682.2	538.7	2793.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9628.0	52784.	10153.
Stddev	65.9	127.	113.
%RSD	.68404	.24010	1.1138
#1	9685.3	52927.	10023.
#2	9642.5	52740.	10209.
#3	9556.1	52686.	10228.

Sample Name: lcs 460-352767/2-a Acquired: 2/27/2016 20:07:51 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1981.	1981.	49.12	2007.	51.16	20220.
Stddev	14.	10.	.73	3.	.15	96.
%RSD	.6838	.5137	1.483	.1617	.2905	.4738
#1	1978.	1973.	49.57	2005.	51.30	20330.
#2	1996.	1993.	49.52	2006.	51.16	20150.
#3	1969.	1979.	48.28	2011.	51.00	20180.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.79	507.5	210.1	245.0	1081.	18750.
Stddev	.08	.5	3.0	2.3	9.	12.
%RSD	.1488	.0889	1.447	.9529	.8166	.0619
#1	51.72	507.0	210.5	245.8	1072.	18740.
#2	51.78	507.8	212.9	246.8	1090.	18760.
#3	51.87	507.8	206.9	242.3	1080.	18740.

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	20080.	529.6	20370.	524.0	521.6	473.8
Stddev	91.	.6	15.	.9	.6	.5
%RSD	.4531	.1105	.0739	.1646	.1103	.0975
#1	20190.	530.2	20360.	523.7	521.1	474.3
#2	20040.	529.0	20360.	525.0	522.2	473.8
#3	20020.	529.5	20390.	523.4	521.4	473.3

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

Sample Name: lcs 460-352767/2-a Acquired: 2/27/2016 20:07:51 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2097.	2167.	510.3	539.6	503.7	477.0
Stddev	5.	12.	.6	1.9	3.2	2.0
%RSD	.2173	.5566	.1121	.3428	.6443	.4221

#1	2100.	2166.	510.9	541.0	500.9	476.7
#2	2092.	2156.	509.9	540.2	502.9	475.1
#3	2099.	2180.	509.9	537.5	507.2	479.1

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	517.5	508.0	509.5	61.70
Stddev	2.1	1.0	.5	12.72
%RSD	.4083	.2006	.0962	20.61

#1	518.7	507.9	509.0	47.21
#2	515.1	509.1	509.5	66.86
#3	518.7	507.1	510.0	71.02

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	9730.0	52997.	9930.1
Stddev	24.8	66.	136.3
%RSD	.25459	.12382	1.3723

#1	9701.5	53049.	9994.5
#2	9746.2	53019.	10022.
#3	9742.2	52923.	9773.6

Sample Name: CCV Acquired: 2/27/2016 20:11:19 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124700.	2526.	1250.	10170.	1005.	125100.
Stddev	595.	6.	4.	4.	4.	502.
%RSD	.4772	.2225	.3004	.0413	.3782	.4008

#1	124600.	2520.	1254.	10170.	1005.	124900.
#2	124200.	2529.	1247.	10170.	1001.	124800.
#3	125400.	2530.	1249.	10160.	1008.	125700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1263.	2533.	5016.	12620.	101100.	50590.
Stddev	5.	1.	19.	36.	317.	207.
%RSD	.3764	.0339	.3703	.2820	.3132	.4083

#1	1258.	2532.	5010.	12650.	101000.	50480.
#2	1264.	2532.	5001.	12620.	100900.	50460.
#3	1268.	2534.	5037.	12580.	101500.	50830.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	5120.	127400.	2547.	7619.	1016.
Stddev	463.	14.	467.	2.	24.	4.
%RSD	.3724	.2641	.3664	.0668	.3093	.4170

#1	124200.	5115.	127700.	2545.	7594.	1016.
#2	124100.	5110.	126900.	2548.	7620.	1020.
#3	125000.	5135.	127700.	2547.	7641.	1012.

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

Sample Name: CCV Acquired: 2/27/2016 20:11:19 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2522.	2593.	2504.	2530.	1005.	2484.
Stddev	6.	7.	2.	23.	3.	3.
%RSD	.2472	.2528	.0983	.9017	.3198	.1047

#1	2520.	2588.	2503.	2507.	1007.	2487.
#2	2529.	2591.	2503.	2530.	1005.	2483.
#3	2517.	2601.	2507.	2553.	1001.	2482.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1007.	5120.	10190.	9833.
Stddev	5.	4.	9.	181.
%RSD	.5118	.0702	.0861	1.841

#1	1002.	5118.	10200.	9681.
#2	1008.	5118.	10180.	10030.
#3	1012.	5125.	10190.	9786.

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	9143.3	50741.	9936.2
Stddev	24.0	344.	226.0
%RSD	.26208	.67865	2.2747

#1	9164.9	50377.	9854.6
#2	9147.6	51062.	10192.
#3	9117.5	50785.	9762.3

Sample Name: CCB Acquired: 2/27/2016 20:14:45 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.888	4.058	.1007	.1809	-.0169	-14.98
Stddev	21.44	1.179	.1947	.0965	.0593	4.69
%RSD	216.8	29.06	193.4	53.33	350.2	31.30
#1	28.10	5.417	.3126	.2915	.0318	-16.24
#2	-13.74	3.323	.0596	.1139	-.0830	-9.788
#3	15.31	3.432	-.0702	.1374	.0003	-18.90

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0088	.1597	.6213	.0249	6.183	36.12
Stddev	.0813	.2061	.5821	.2082	7.748	42.78
%RSD	925.4	129.0	93.69	836.3	125.3	118.4
#1	-.0578	.0929	.6732	.2650	8.233	42.65
#2	.0994	.3909	1.176	-.1062	12.70	75.26
#3	-.0152	-.0046	.0150	-.0841	-2.384	-9.552

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.064	.2501	66.94	-.2712	.1259	4.575
Stddev	1.575	.1547	7.39	.0747	.3045	2.679
%RSD	51.39	61.85	11.04	27.54	241.9	58.55
#1	2.104	.3525	73.88	-.2452	.4747	7.516
#2	4.882	.3258	67.77	-.3554	-.0101	2.274
#3	2.208	.0722	59.18	-.2130	-.0869	3.936

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

Sample Name: CCB Acquired: 2/27/2016 20:14:45 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.770	.9219	.1312	.0354	3.128	1.801
Stddev	2.224	1.829	.3973	.0624	.651	.117
%RSD	58.98	198.4	302.7	176.5	20.80	6.518
#1	1.235	2.856	.5337	.1073	3.853	1.665
#2	5.391	.6893	-.2607	.0034	2.939	1.873
#3	4.684	-.7793	.1207	-.0045	2.594	1.864

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5639	.1901	1.274	21.74
Stddev	.9898	.1850	.095	10.12
%RSD	175.5	97.32	7.449	46.57
#1	-.3047	.3455	1.224	12.87
#2	.2705	.2393	1.384	19.58
#3	-1.658	-.0145	1.215	32.77

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	9613.2	53015.	9856.0
Stddev	55.7	329.	233.0
%RSD	.57955	.61974	2.3639
#1	9675.8	53385.	9957.0
#2	9569.1	52758.	10021.
#3	9594.6	52903.	9589.6

Sample Name: CCVL Acquired: 2/27/2016 20:18:36 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	193.6	14.99	8.219	188.6	1.767	4616.
Stddev	1.2	1.91	.256	.0	.040	12.
%RSD	.6117	12.75	3.111	.0236	2.278	.2529
#1	194.9	14.97	8.412	188.7	1.786	4608.
#2	192.6	13.09	8.316	188.6	1.720	4629.
#3	193.3	16.91	7.929	188.6	1.793	4610.

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	3.861	47.64	9.618	22.28	160.4	4585.
Stddev	.125	.20	.729	.13	1.8	38.
%RSD	3.244	.4167	7.583	.5862	1.144	.8319
#1	3.725	47.54	9.905	22.28	161.8	4546.
#2	3.885	47.87	8.789	22.16	161.1	4587.
#3	3.973	47.51	10.16	22.42	158.3	4622.

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	4602.	15.10	4703.	38.51	11.24	20.35
Stddev	22.	.05	6.	.56	.42	.85
%RSD	.4691	.3197	.1321	1.446	3.727	4.179
#1	4577.	15.14	4696.	38.23	11.71	20.57
#2	4611.	15.05	4707.	38.15	10.89	19.41
#3	4617.	15.10	4707.	39.15	11.13	21.07

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

Sample Name: CCVL Acquired: 2/27/2016 20:18:36 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.12	20.26	46.37	31.15	45.19	17.58
Stddev	1.54	.76	.23	.27	.19	.25
%RSD	7.679	3.769	.4892	.8652	.4121	1.441
#1	18.34	21.10	46.20	30.85	45.39	17.78
#2	20.88	19.60	46.29	31.36	45.02	17.66
#3	21.14	20.09	46.63	31.25	45.16	17.29

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.04	18.88	18.57	F 2.446
Stddev	.39	.12	.26	16.13
%RSD	.8543	.6136	1.381	659.3
#1	46.34	18.75	18.32	-8.301
#2	46.19	18.94	18.56	20.99
#3	45.60	18.96	18.83	-5.353

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	9551.3	52367.	9487.7
Stddev	8.9	11.	111.8
%RSD	.09294	.02125	1.1781
#1	9561.0	52355.	9527.0
#2	9549.1	52377.	9574.5
#3	9543.7	52368.	9361.5

Sample Name: mb 460-352767/1-a Acquired: 2/27/2016 20:22:22 Type: QC

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.922	.0119	-.4138	-.0553	-.0921	-16.28
Stddev	4.734	1.536	.2262	.0385	.1159	5.95
%RSD	120.7	12880.	54.67	69.68	125.7	36.55

#1	9.384	.8779	-.6706	-.0997	-.0773	-23.14
#2	.9860	-1.761	-.2438	-.0344	-.2147	-12.48
#3	1.396	.9190	-.3272	-.0317	.0156	-13.23

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0359	-.0298	.8354	-.5274	7.346	-6.586
Stddev	.1062	.2082	.6362	.4485	2.129	7.375
%RSD	295.8	698.0	76.16	85.03	28.98	112.0

#1	-.0674	.1372	1.521	-.3553	4.903	-13.91
#2	-.1228	.0365	.2633	-.1905	8.334	-6.684
#3	.0825	-.2631	.7223	-1.037	8.801	.8370

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.555	.0376	22.44	-.0185	.9778	1.272
Stddev	1.185	.0101	4.25	.5148	.4928	1.272
%RSD	76.24	26.78	18.92	2782.	50.40	99.97

#1	-.3430	.0335	24.30	-.3194	1.530	-.1162
#2	-2.712	.0303	25.44	.5759	.5829	2.381
#3	-1.609	.0491	17.58	-.3120	.8203	1.552

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

Sample Name: mb 460-352767/1-a Acquired: 2/27/2016 20:22:22 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.426	.4569	-.0594	-.0166	.9888	-.4830
Stddev	1.952	1.183	.1730	.0598	.4585	.4647
%RSD	80.46	258.9	291.3	360.2	46.37	96.21
#1	3.482	1.681	-.1743	-.0489	1.332	-.8821
#2	.1736	.3691	-.1435	.0524	1.167	-.5940
#3	3.622	-.6795	.1396	-.0532	.4681	.0271

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4278	-.0365	-1.037	6.147
Stddev	.4007	.0524	.232	9.032
%RSD	93.66	143.5	22.33	146.9
#1	-.3369	-.0123	-1.288	6.497
#2	-.8662	-.0966	-.9890	-3.055
#3	-.0804	-.0006	-.8325	15.00

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	9474.2	51919.	9385.4
Stddev	27.3	137.	65.1
%RSD	.28776	.26297	.69412
#1	9485.5	51893.	9459.8
#2	9443.0	52066.	9338.6
#3	9493.9	51796.	9357.7

Sample Name: 460-109304-a-1-c.ms Acquired: 2/27/2016 20:26:14 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2024.	2118.	50.08	2072.	51.92	83270.
Stddev	34.	7.	.65	1.	.41	400.
%RSD	1.679	.3416	1.296	.0452	.7961	.4804
#1	2064.	2111.	49.59	2072.	52.40	83720.
#2	2002.	2125.	50.82	2073.	51.70	82960.
#3	2008.	2119.	49.85	2071.	51.66	83130.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.08	518.0	211.1	264.7	1594.	21900.
Stddev	.28	.4	2.0	3.4	11.	62.
%RSD	.5450	.0756	.9645	1.302	.6716	.2852
#1	52.41	517.9	211.2	261.8	1594.	21960.
#2	51.94	517.6	213.1	268.5	1605.	21840.
#3	51.90	518.4	209.0	263.9	1583.	21920.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26990.	544.3	242900.	532.4	526.9	516.1
Stddev	104.	1.7	2869.	1.4	.8	.8
%RSD	.3865	.3107	1.181	.2563	.1527	.1460
#1	27110.	546.2	246100.	532.7	527.8	516.7
#2	26910.	543.0	241800.	533.6	526.6	515.3
#3	26970.	543.7	240700.	530.9	526.2	516.2

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

Sample Name: 460-109304-a-1-c.ms Acquired: 2/27/2016 20:26:14 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2189.	2161.	521.9	580.8	546.0	494.4
Stddev	11.	10.	.5	.7	3.4	1.1
%RSD	.5011	.4742	.0996	.1188	.6233	.2224
#1	2183.	2166.	522.1	580.8	544.1	494.1
#2	2183.	2149.	522.2	580.1	543.9	493.4
#3	2202.	2167.	521.3	581.4	549.9	495.5

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	520.5	670.0	521.4	2794.
Stddev	1.5	2.1	.7	86.
%RSD	.2921	.3075	.1275	3.086
#1	521.0	668.0	522.2	2695.
#2	521.8	669.8	521.0	2835.
#3	518.8	672.1	521.2	2852.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9464.5	51701.	9880.5
Stddev	59.2	154.	290.2
%RSD	.62568	.29714	2.9370
#1	9526.5	51651.	9546.8
#2	9458.3	51874.	10021.
#3	9408.6	51579.	10074.

Sample Name: 460-109304-a-1-b du Acquired: 2/27/2016 20:29:45 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.36	4.634	-.3074	38.30	-.0299	61860.
Stddev	9.76	2.407	.3318	.36	.1505	227.
%RSD	59.66	51.93	107.9	.9380	503.1	.3661
#1	5.939	2.013	.0525	37.92	-.1863	61990.
#2	25.29	5.145	-.3734	38.64	.1138	61980.
#3	17.85	6.744	-.6012	38.34	-.0173	61600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2888	.6903	-.0566	7.168	521.4	2623.
Stddev	.1370	.1124	.2214	.355	9.2	6.
%RSD	47.44	16.29	391.0	4.951	1.772	.2098
#1	.4469	.8200	.1445	7.018	530.3	2618.
#2	.2153	.6214	-.0205	6.912	522.0	2623.
#3	.2043	.6294	-.2939	7.573	511.9	2629.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7104.	14.77	218800.	5.511	.3407	2.085
Stddev	12.	.07	525.	.454	.7682	2.357
%RSD	.1721	.4881	.2397	8.238	225.5	113.0
#1	7090.	14.68	219400.	5.176	-.4433	4.736
#2	7114.	14.79	218300.	5.330	.3733	.2265
#3	7108.	14.82	218700.	6.028	1.092	1.294

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

Sample Name: 460-109304-a-1-b du Acquired: 2/27/2016 20:29:45 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.111	1.106	.0241	42.16	20.29	8.399
Stddev	.968	1.556	.4373	.23	.96	.500
%RSD	31.10	140.6	1812.	.5375	4.748	5.948
#1	2.461	2.765	-.3429	42.36	20.81	8.087
#2	4.223	-.3197	.5079	42.20	20.88	8.135
#3	2.648	.8729	-.0927	41.92	19.18	8.976

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5225	158.6	2.210	2734.
Stddev	.4897	.7	.173	18.
%RSD	93.71	.4681	7.815	.6689
#1	-1.063	157.8	2.028	2716.
#2	-.3966	158.7	2.371	2752.
#3	-.1081	159.3	2.231	2733.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9533.7	52215.	10087.
Stddev	44.8	287.	92.
%RSD	.47037	.55056	.91365
#1	9574.1	52546.	10189.
#2	9541.5	52033.	10063.
#3	9485.4	52065.	10010.

Sample Name: 460-109304-a-1-a Acquired: 2/27/2016 20:33:34 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.41	6.058	-.4344	36.78	-.0609	60500.
Stddev	7.61	1.385	.1150	.12	.1021	112.
%RSD	43.75	22.87	26.46	.3277	167.6	.1848

#1	9.899	7.657	-.4149	36.64	-.0957	60400.
#2	25.13	5.275	-.3304	36.85	.0540	60490.
#3	17.20	5.242	-.5579	36.84	-.1410	60620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2154	.5679	-.1903	6.715	511.7	2531.
Stddev	.0795	.2360	.5501	.060	5.7	9.
%RSD	36.89	41.56	289.1	.8992	1.116	.3675

#1	.1587	.5173	.4401	6.777	505.4	2537.
#2	.3062	.3613	-.4373	6.656	513.0	2521.
#3	.1813	.8251	-.5736	6.713	516.7	2536.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6905.	14.37	212800.	5.157	1.835	-.6611
Stddev	2.	.06	1564.	.855	.576	.8733
%RSD	.0278	.4374	.7349	16.57	31.39	132.1

#1	6903.	14.31	214600.	6.136	2.448	-1.635
#2	6906.	14.37	212100.	4.562	1.305	-.3996
#3	6907.	14.44	211700.	4.772	1.753	.0516

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

Sample Name: 460-109304-a-1-a Acquired: 2/27/2016 20:33:34 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5763	1.525	.3274	38.27	19.52	7.634
Stddev	1.013	.910	.5376	.42	.14	.357
%RSD	175.8	59.68	164.2	1.102	.7423	4.680

#1	-1.216	1.945	.4168	37.81	19.67	7.851
#2	.5915	.4806	.8146	38.63	19.38	7.222
#3	-1.104	2.149	-.2494	38.37	19.52	7.830

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9799	153.8	1.765	2671.
Stddev	.3406	.8	.103	86.
%RSD	34.76	.5408	5.829	3.211

#1	-.6721	153.0	1.652	2602.
#2	-1.346	154.6	1.791	2767.
#3	-.9217	153.7	1.852	2643.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9465.1	51529.	10055.
Stddev	84.3	438.	258.
%RSD	.89104	.84914	2.5614

#1	9562.1	52030.	9924.8
#2	9408.8	51340.	10352.
#3	9424.5	51219.	9889.1

Sample Name: sd 460-109304-a-1-a@ Acquired: 2/27/2016 20:37:23 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.061	2.824	-6.760	7.298	-.0476	11630.
Stddev	14.10	.917	.2366	.044	.1585	53.
%RSD	278.6	32.46	34.99	.6056	332.8	.4550
#1	.3926	2.316	-.4029	7.327	-.2090	11580.
#2	20.90	2.274	-.8084	7.247	-.0419	11630.
#3	-6.114	3.882	-.8168	7.319	.1079	11690.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0056	.1176	.3296	1.214	106.4	551.4
Stddev	.1218	.2003	.6219	.620	2.3	47.9
%RSD	2172.	170.3	188.7	51.08	2.123	8.680
#1	.0312	.0296	.3832	1.048	107.4	606.5
#2	-.1270	.3469	.9229	1.901	103.9	528.3
#3	.1126	-.0236	-.3174	.6941	108.1	519.6

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	1322.	2.886	42110.	.7774	.6837	-1.020
Stddev	7.	.095	67.	.7345	.4348	1.417
%RSD	.5550	3.278	.1597	94.48	63.60	138.9
#1	1314.	2.789	42050.	1.088	1.181	-2.642
#2	1322.	2.892	42100.	-.0614	.4966	-.3945
#3	1329.	2.977	42180.	1.305	.3737	-.0233

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

Sample Name: sd 460-109304-a-1-a@ Acquired: 2/27/2016 20:37:23 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.773	1.819	.1280	7.488	3.709	1.213
Stddev	2.160	1.241	.1852	.053	.529	.248
%RSD	77.87	68.20	144.7	.7049	14.26	20.41
#1	3.578	2.370	.3118	7.538	3.471	1.480
#2	.3269	2.689	-.0586	7.493	3.341	1.169
#3	4.415	.3985	.1308	7.433	4.315	.9912

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5954	30.79	.0518	512.6
Stddev	.6658	.07	.1339	9.0
%RSD	111.8	.2279	258.6	1.753
#1	-1.308	30.78	-.0224	520.9
#2	.0105	30.73	-.0287	513.8
#3	-.4884	30.87	.2064	503.0

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	9633.0	52867.	10081.
Stddev	72.9	294.	15.
%RSD	.75637	.55588	.14600
#1	9557.5	52540.	10097.
#2	9638.7	52949.	10068.
#3	9702.9	53110.	10080.

Sample Name: 460-108552-f-1-b Acquired: 2/27/2016 20:41:13 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	303.2	84.55	.6997	675.7	.0146	247400.
Stddev	5.1	1.11	.4345	1.3	.1315	716.
%RSD	1.677	1.317	62.10	.1858	898.5	.2894

#1	297.5	85.12	.7151	675.5	.1170	247700.
#2	307.4	85.27	.2577	677.0	.0606	246600.
#3	304.7	83.27	1.126	674.5	-.1337	248000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.148	7.229	2.646	12.67	36000.	8138.
Stddev	.253	.073	.645	.17	32.	91.
%RSD	21.99	1.011	24.39	1.347	.0894	1.112

#1	.8672	7.210	1.984	12.68	36000.	8059.
#2	1.222	7.168	3.273	12.83	35970.	8119.
#3	1.356	7.310	2.681	12.49	36030.	8237.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25180.	F 22810.	F 475100.	3.989	3.297	-5.346
Stddev	54.	57.	14680.	.496	.886	1.259
%RSD	.2135	.2511	3.089	12.42	26.88	23.55

#1	25190.	22870.	492100.	4.068	3.190	-3.977
#2	25120.	22760.	467100.	3.458	4.231	-6.454
#3	25220.	22800.	466200.	4.440	2.469	-5.607

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-108552-f-1-b Acquired: 2/27/2016 20:41:13 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.242	4.485	.6927	52.68	534.2	-1.671
Stddev	1.028	3.547	.6306	.06	.7	.319
%RSD	14.20	79.08	91.03	.1106	.1236	19.10
#1	-6.178	8.414	.1828	52.64	533.8	-1.581
#2	-8.231	3.520	.4975	52.65	535.0	-2.025
#3	-7.316	1.521	1.398	52.75	533.9	-1.406

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.329	1279.	16.88	16020.
Stddev	.207	2.	.25	100.
%RSD	15.60	.1586	1.479	.6214
#1	-1.567	1277.	17.01	16070.
#2	-1.184	1280.	16.59	16080.
#3	-1.236	1280.	17.03	15900.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9189.2	50501.	10183.
Stddev	94.1	599.	192.
%RSD	1.0238	1.1852	1.8874
#1	9293.6	51025.	10323.
#2	9163.0	50630.	10262.
#3	9110.9	49849.	9963.8

Sample Name: 460-108552-f-2-b Acquired: 2/27/2016 20:45:13 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	519.9	10.88	2.611	191.6	.0846	F 900300.
Stddev	12.8	6.64	.093	.7	.0808	2688.
%RSD	2.455	61.08	3.566	.3534	95.59	.2985
#1	533.8	18.48	2.569	192.1	.0878	902400.
#2	508.8	6.166	2.717	191.9	.0021	897300.
#3	517.1	7.991	2.546	190.8	.1637	901300.
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	9.683	97.27	1.168	30.59	16470.	41290.
Stddev	.136	.46	.413	.61	38.	109.
%RSD	1.401	.4741	35.38	1.987	.2328	.2639
#1	9.782	97.80	.7937	30.01	16430.	41320.
#2	9.739	97.06	1.099	31.22	16510.	41170.
#3	9.529	96.95	1.611	30.54	16470.	41380.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67440.	F 36790.	F 328400.	85.29	-1.153	-12.05
Stddev	91.	40.	8028.	.71	.920	2.68
%RSD	.1343	.1082	2.445	.8372	79.82	22.22
#1	67530.	36840.	337600.	85.92	-1.428	-9.371
#2	67350.	36760.	322900.	84.51	-1.904	-12.05
#3	67440.	36790.	324700.	85.43	-.1265	-14.73
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-108552-f-2-b Acquired: 2/27/2016 20:45:13 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.368	1.103	2.617	217.4	285.7	-3.967
Stddev	3.084	.414	.242	.8	.9	.257
%RSD	41.86	37.60	9.252	.3667	.3104	6.482
#1	-4.927	1.009	2.637	218.1	286.2	-3.819
#2	-10.83	.7430	2.849	216.5	286.2	-3.818
#3	-6.343	1.556	2.366	217.6	284.7	-4.264

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4619	8242.	34.36	14420.
Stddev	.5830	102.	.24	183.
%RSD	126.2	1.241	.7035	1.272
#1	-.5791	8166.	34.29	14220.
#2	.1708	8203.	34.16	14580.
#3	-.9774	8359.	34.63	14460.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8694.8	47962.	9408.0
Stddev	36.7	295.	150.7
%RSD	.42153	.61487	1.6019
#1	8726.5	48244.	9328.5
#2	8703.2	47986.	9581.8
#3	8654.7	47656.	9313.7

Sample Name: 460-108552-f-3-d Acquired: 2/27/2016 20:49:27 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35.08	7.547	.0795	218.7	-.0608	159900.
Stddev	6.11	2.374	.2198	.5	.0935	1089.
%RSD	17.43	31.46	276.3	.2100	153.8	.6809

#1	38.27	7.391	.1866	218.7	-.1600	161200.
#2	38.94	9.995	-.1733	219.2	-.0480	159300.
#3	28.03	5.254	.2253	218.3	.0257	159300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8934	.1257	.0927	6.598	15.72	6927.
Stddev	.1291	.1648	.8313	.086	3.05	70.
%RSD	14.45	131.2	896.9	1.297	19.39	1.005

#1	1.042	.0204	.2748	6.512	12.58	6847.
#2	.8055	.0410	.8177	6.683	18.66	6974.
#3	.8330	.3157	-.8145	6.598	15.92	6960.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44470.	5.017	207300.	4.258	-3.280	-.3446
Stddev	243.	.584	1554.	.351	1.645	.8683
%RSD	.5465	11.65	.7496	8.251	50.16	252.0

#1	44750.	5.685	209100.	3.924	-1.505	.4400
#2	44310.	4.760	206200.	4.625	-4.752	-1.277
#3	44360.	4.605	206600.	4.226	-3.582	-.1963

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

Sample Name: 460-108552-f-3-d Acquired: 2/27/2016 20:49:27 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.799	2.496	.9908	8.335	66.33	.6268
Stddev	2.623	1.583	.4433	.130	.21	.1815
%RSD	54.66	63.41	44.74	1.556	.3150	28.96
#1	5.283	1.009	.4792	8.485	66.18	.5057
#2	7.147	2.319	1.260	8.256	66.57	.5391
#3	1.967	4.159	1.233	8.265	66.24	.8355

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.205	753.2	2.625	9283.
Stddev	.159	1.3	.280	137.
%RSD	7.197	.1753	10.68	1.471
#1	-2.169	751.8	2.320	9144.
#2	-2.378	754.4	2.685	9417.
#3	-2.067	753.3	2.871	9289.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9291.9	50799.	9742.8
Stddev	2.6	375.	165.0
%RSD	.02835	.73755	1.6936
#1	9290.3	50379.	9588.0
#2	9295.0	51097.	9916.4
#3	9290.6	50922.	9724.1

Sample Name: 460-108552-f-4-a Acquired: 2/27/2016 20:53:14 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	305.9	86.05	.6585	675.9	-.1114	F 252900.
Stddev	3.3	1.03	.3268	.6	.0287	1312.
%RSD	1.072	1.203	49.63	.0955	25.76	.5187

#1	307.5	87.21	.6170	675.4	-.1359	254300.
#2	302.1	85.73	.3544	676.7	-.0798	252800.
#3	308.0	85.22	1.004	675.8	-.1183	251700.

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	.8892	7.019	2.889	13.29	36750.	8276.
Stddev	.2586	.389	.777	.64	108.	112.
%RSD	29.08	5.545	26.89	4.788	.2928	1.355

#1	1.180	6.669	2.774	12.69	36840.	8149.
#2	.6848	6.949	3.718	13.24	36770.	8359.
#3	.8028	7.438	2.177	13.96	36630.	8321.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25760.	F 23230.	F 471700.	3.652	3.131	-5.146
Stddev	121.	130.	15490.	.173	.832	.628
%RSD	.4701	.5607	3.285	4.751	26.58	12.20

#1	25880.	23360.	488200.	3.478	2.297	-5.833
#2	25760.	23220.	469200.	3.653	3.962	-5.005
#3	25640.	23100.	457600.	3.825	3.135	-4.600

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-108552-f-4-a Acquired: 2/27/2016 20:53:14 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.940	3.025	1.147	51.21	531.0	-1.869
Stddev	1.013	.421	.139	.22	1.4	.162
%RSD	12.76	13.93	12.11	.4342	.2602	8.674
#1	-8.165	2.682	1.048	51.44	530.9	-1.794
#2	-8.821	3.495	1.306	50.99	529.6	-2.055
#3	-6.833	2.898	1.086	51.19	532.4	-1.758

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.199	1279.	19.93	15550.
Stddev	.342	4.	.63	92.
%RSD	28.54	.3048	3.182	.5936
#1	-1.579	1275.	20.62	15510.
#2	-.9143	1279.	19.79	15480.
#3	-1.104	1283.	19.38	15650.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8993.9	48643.	9456.4
Stddev	7.2	89.	69.6
%RSD	.08002	.18248	.73573
#1	8993.5	48706.	9454.9
#2	9001.3	48542.	9387.7
#3	8986.9	48682.	9526.8

Sample Name: 460-108552-f-5-b Acquired: 2/27/2016 20:57:14 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.71	4.531	-.1112	.0935	-.1290	-8.603
Stddev	8.35	2.129	.4165	.0902	.0709	11.96
%RSD	65.69	46.99	374.6	96.42	54.98	139.0

#1	22.29	6.755	-.4802	.0532	-.2096	5.098
#2	6.984	2.512	.3404	.0305	-.1017	-13.93
#3	8.854	4.326	-.1938	.1968	-.0758	-16.98

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0732	.1785	.2832	-.4253	-5.029	49.42
Stddev	.1072	.1160	.8919	.1743	.196	26.45
%RSD	146.3	64.97	314.9	40.98	3.894	53.52

#1	.0782	.2815	-.6933	-.6186	-5.108	28.48
#2	-.0363	.2012	.4882	-.3769	-5.173	79.14
#3	.1779	.0529	1.055	-.2803	-4.806	40.64

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.909	.7232	233.9	.0981	.7995	.9619
Stddev	5.265	.3274	75.1	.1449	1.740	.5467
%RSD	275.8	45.27	32.10	147.7	217.6	56.83

#1	.0400	1.101	318.4	-.0652	-.0743	.3515
#2	-7.871	.5389	208.2	.2113	2.803	1.128
#3	2.104	.5294	175.0	.1482	-.3304	1.406

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

Sample Name: 460-108552-f-5-b Acquired: 2/27/2016 20:57:14 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.655	1.301	.3780	.5275	3.062	-.8815
Stddev	3.173	1.184	.3582	.1561	.573	.1937
%RSD	119.5	91.02	94.76	29.59	18.71	21.98
#1	6.280	.5029	-.0352	.4887	3.094	-.7656
#2	.3815	.7385	.5691	.3945	3.619	-.7737
#3	1.304	2.662	.6003	.6994	2.474	-1.105

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2997	.0735	-1.338	29.69
Stddev	.3772	.0331	.083	23.23
%RSD	125.9	45.06	6.181	78.25
#1	-.2801	.0436	-1.267	56.38
#2	.0674	.1091	-1.429	14.12
#3	-.6863	.0677	-1.318	18.55

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9620.4	52299.	9605.2
Stddev	91.6	847.	257.3
%RSD	.95230	1.6188	2.6787
#1	9717.9	53277.	9888.9
#2	9607.0	51800.	9387.1
#3	9536.1	51822.	9539.6

Sample Name: CCV Acquired: 2/27/2016 21:01:05 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125200.	2543.	1250.	10180.	1008.	126500.
Stddev	211.	10.	4.	8.	2.	525.
%RSD	.1685	.4056	.2872	.0748	.1764	.4149

#1	125000.	2535.	1254.	10190.	1006.	126800.
#2	125300.	2555.	1249.	10190.	1009.	126700.
#3	125400.	2539.	1247.	10170.	1009.	125900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1274.	2542.	5062.	12510.	102100.	50890.
Stddev	3.	3.	14.	6.	318.	141.
%RSD	.2572	.1225	.2726	.0454	.3110	.2767

#1	1274.	2542.	5073.	12510.	102400.	50760.
#2	1277.	2545.	5066.	12510.	102300.	50880.
#3	1270.	2539.	5046.	12500.	101800.	51040.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125500.	5168.	126900.	2560.	7671.	1002.
Stddev	419.	11.	338.	8.	17.	3.
%RSD	.3341	.2212	.2660	.3119	.2170	.3419

#1	125700.	5176.	127300.	2561.	7680.	999.8
#2	125800.	5173.	126800.	2568.	7682.	1006.
#3	125000.	5155.	126700.	2552.	7652.	1001.

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

Sample Name: CCV Acquired: 2/27/2016 21:01:05 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2531.	2591.	2515.	2565.	1005.	2480.
Stddev	8.	7.	7.	7.	3.	1.
%RSD	.3200	.2780	.2719	.2892	.2843	.0311

#1	2528.	2584.	2521.	2567.	1001.	2479.
#2	2540.	2590.	2517.	2572.	1007.	2480.
#3	2524.	2598.	2508.	2557.	1006.	2481.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1010.	5120.	10220.	9626.
Stddev	3.	10.	10.	100.
%RSD	.2802	.1957	.0943	1.040

#1	1011.	5110.	10230.	9526.
#2	1012.	5121.	10230.	9624.
#3	1007.	5130.	10210.	9727.

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	8967.6	49230.	9436.1
Stddev	69.9	674.	116.0
%RSD	.77959	1.3683	1.2295

#1	8905.1	48515.	9333.5
#2	8954.6	49325.	9412.8
#3	9043.1	49852.	9562.0

Sample Name: CCB Acquired: 2/27/2016 21:04:29 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.639	2.684	-.0706	.1418	.1181	-17.47
Stddev	13.31	.900	.1677	.2036	.1296	5.25
%RSD	174.3	33.55	237.4	143.5	109.7	30.05
#1	16.52	1.746	.0212	.1586	.2078	-21.00
#2	14.07	3.542	.0310	.3365	.1770	-19.97
#3	-7.670	2.763	-.2641	-.0696	-.0304	-11.44

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0133	.1545	.7049	.2148	8.237	85.21
Stddev	.0277	.1782	1.047	.2016	3.900	26.39
%RSD	208.9	115.3	148.5	93.85	47.35	30.97
#1	.0158	.2562	1.677	.4203	4.872	97.20
#2	-.0156	.2587	.8410	.2066	7.327	54.95
#3	.0396	-.0513	-.4033	.0174	12.51	103.5

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	-.8814	.3355	134.0	.1764	.9415	1.320
Stddev	5.157	.1165	17.9	.5033	1.771	1.023
%RSD	585.1	34.73	13.37	285.3	188.1	77.49
#1	4.282	.4036	154.1	-.0479	2.774	.7256
#2	-.8946	.4019	128.5	-.1757	-.7591	.7328
#3	-6.031	.2010	119.5	.7529	.8091	2.500

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

Sample Name: CCB Acquired: 2/27/2016 21:04:29 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.019	1.784	.3247	.1760	2.703	1.365
Stddev	1.793	2.251	.3890	.1359	.667	.033
%RSD	44.62	126.2	119.8	77.22	24.68	2.432
#1	2.062	-.3699	.5209	.0998	3.442	1.368
#2	4.409	4.121	-.1233	.3329	2.519	1.330
#3	5.585	1.600	.5766	.0952	2.147	1.397

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0989	.1849	1.129	19.80
Stddev	.4958	.0789	.271	6.96
%RSD	501.1	42.65	23.98	35.13
#1	-.1732	.2690	.8208	25.11
#2	.6712	.1125	1.240	22.38
#3	-.2011	.1733	1.328	11.93

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	9732.4	54666.	10393.
Stddev	7.5	462.	72.
%RSD	.07745	.84463	.69027
#1	9724.4	54546.	10364.
#2	9739.4	55176.	10475.
#3	9733.4	54277.	10341.

Sample Name: CCVL Acquired: 2/27/2016 21:08:20 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	198.0	14.59	8.716	191.3	1.766	4531.
Stddev	15.8	2.70	.752	.3	.138	25.
%RSD	7.967	18.53	8.624	.1507	7.820	.5465

#1	182.4	12.91	9.182	191.5	1.633	4547.
#2	214.0	13.15	7.849	191.4	1.756	4543.
#3	197.6	17.71	9.118	191.0	1.909	4502.

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	3.806	48.15	10.06	23.00	161.7	4631.
Stddev	.026	.19	.45	.95	1.1	62.
%RSD	.6800	.4013	4.477	4.123	.6626	1.345

#1	3.789	48.34	10.02	22.97	162.6	4597.
#2	3.795	48.15	10.53	22.07	161.8	4702.
#3	3.836	47.96	9.628	23.96	160.5	4592.

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	4535.	15.12	4760.	39.48	10.57	18.94
Stddev	24.	.08	14.	.13	.96	1.86
%RSD	.5196	.4969	.3024	.3176	9.094	9.845

#1	4542.	15.04	4761.	39.47	11.59	20.22
#2	4555.	15.14	4773.	39.35	9.675	19.80
#3	4509.	15.18	4744.	39.60	10.45	16.80

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

Sample Name: CCVL Acquired: 2/27/2016 21:08:20 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.63	21.30	46.85	30.75	46.06	17.73
Stddev	2.97	.84	.20	.31	.30	.21
%RSD	15.15	3.928	.4267	.9981	.6554	1.156
#1	20.19	21.04	47.07	30.97	46.29	17.59
#2	22.29	22.24	46.81	30.89	45.72	17.97
#3	16.42	20.63	46.67	30.40	46.18	17.65

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	46.05	19.35	18.65	F 6.141
Stddev	.11	.21	.24	14.98
%RSD	.2467	1.083	1.293	244.0
#1	45.94	19.13	18.79	22.25
#2	46.17	19.55	18.37	3.558
#3	46.05	19.37	18.79	-7.383

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	9748.1	54455.	10373.
Stddev	83.6	378.	126.
%RSD	.85753	.69442	1.2099
#1	9682.9	54259.	10473.
#2	9718.9	54215.	10232.
#3	9842.3	54891.	10414.

Sample Name: 460-109299-a-2-a Acquired: 2/27/2016 21:12:06 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	217.9	20.20	.1188	50.99	.2109	18870.
Stddev	5.4	.40	.2567	.32	.0891	24.
%RSD	2.482	1.974	216.0	.6346	42.26	.1281

#1	211.7	20.46	.2427	51.35	.2674	18900.
#2	221.5	19.74	-.1763	50.73	.2572	18850.
#3	220.5	20.40	.2901	50.89	.1082	18880.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.633	2.048	5.181	103.1	2069.	F 243200.
Stddev	.029	.160	.601	.5	4.	1699.
%RSD	1.752	7.788	11.61	.5086	.2013	.6984

#1	1.662	1.964	5.475	103.5	2072.	244800.
#2	1.631	1.948	5.579	102.5	2064.	243500.
#3	1.605	2.232	4.489	103.2	2069.	241400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6679.	29.33	105500.	7.564	3.441	4.006
Stddev	11.	.01	789.	.164	.409	.871
%RSD	.1572	.0351	.7473	2.161	11.89	21.74

#1	6680.	29.32	106300.	7.658	3.891	3.256
#2	6689.	29.34	105500.	7.660	3.091	4.961
#3	6668.	29.33	104700.	7.376	3.342	3.802

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

Sample Name: 460-109299-a-2-a Acquired: 2/27/2016 21:12:06 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.792	3.286	.3770	136.7	36.43	1.866
Stddev	.338	1.907	.0855	.3	.28	.127
%RSD	12.08	58.05	22.68	.1880	.7611	6.778
#1	2.426	3.438	.4089	137.0	36.25	1.751
#2	3.091	1.307	.4420	136.6	36.75	1.846
#3	2.861	5.112	.2802	136.5	36.28	2.002

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.39	109.8	30.71	5233.
Stddev	.23	.3	2.23	13.
%RSD	1.865	.2927	7.245	.2528
#1	12.64	109.6	29.91	5236.
#2	12.19	110.2	28.99	5218.
#3	12.35	109.6	33.22	5244.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9818.4	54269.	10822.
Stddev	28.3	233.	110.
%RSD	.28856	.42888	1.0136
#1	9845.8	54495.	10908.
#2	9789.2	54030.	10698.
#3	9820.2	54283.	10858.

Sample Name: 460-109336-b-1-a Acquired: 2/27/2016 21:15:52 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	885.0	5.627	-.0666	51.35	.0293	151300.
Stddev	13.1	2.894	.1975	.37	.1417	1045.
%RSD	1.481	51.43	296.7	.7137	484.4	.6910

#1	899.7	8.862	.0269	51.03	-.0272	152400.
#2	880.8	4.733	-.2934	51.26	.1905	151100.
#3	874.5	3.285	.0669	51.75	-.0755	150300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.39	143.8	7.560	104.2	5627.	15450.
Stddev	.07	.5	.512	.4	15.	73.
%RSD	.2398	.3206	6.774	.3613	.2640	.4754

#1	28.42	144.0	8.048	104.2	5634.	15410.
#2	28.44	143.2	7.027	104.6	5638.	15540.
#3	28.31	144.0	7.605	103.8	5610.	15410.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25550.	1752.	130900.	1885.	209.6	3.026
Stddev	120.	7.	791.	3.	2.5	.582
%RSD	.4688	.4004	.6041	.1689	1.200	19.23

#1	25660.	1760.	131700.	1889.	206.9	2.484
#2	25550.	1752.	131000.	1883.	210.1	3.641
#3	25420.	1746.	130100.	1884.	211.9	2.954

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

Sample Name: 460-109336-b-1-a Acquired: 2/27/2016 21:15:52 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6650	1.247	8.483	2440.	1086.	14.64
Stddev	2.281	.728	.151	11.	5.	.22
%RSD	343.0	58.37	1.783	.4305	.4809	1.529

#1	-.3708	1.829	8.331	2451.	1082.	14.87
#2	1.454	.4308	8.634	2436.	1084.	14.42
#3	-3.079	1.481	8.483	2431.	1092.	14.61

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8184	682.6	21.47	2732.
Stddev	.4725	1.2	.31	31.
%RSD	57.73	.1770	1.457	1.119

#1	1.089	681.4	21.80	2698.
#2	.2728	683.8	21.18	2742.
#3	1.093	682.7	21.43	2756.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9500.4	53321.	10748.
Stddev	22.0	57.	47.
%RSD	.23144	.10717	.43638

#1	9522.2	53386.	10701.
#2	9500.6	53280.	10747.
#3	9478.3	53295.	10795.

Sample Name: 460-109216-d-91-b@4 Acquired: 2/27/2016 21:19:31 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31700.	19.09	-.4274	343.4	2.289	124000.
Stddev	114.	.64	.3710	1.0	.030	664.
%RSD	.3588	3.354	86.81	.2824	1.323	.5349
#1	31570.	18.73	-.8536	344.2	2.321	123900.
#2	31770.	19.83	-.2513	343.7	2.286	123400.
#3	31780.	18.72	-.1772	342.4	2.260	124700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5340	25.95	94.83	82.15	62310.	6476.
Stddev	.1597	.29	.28	1.01	224.	3.
%RSD	29.90	1.121	.2965	1.228	.3600	.0528
#1	.6163	25.73	95.05	83.23	62330.	6474.
#2	.6358	26.28	94.92	81.97	62080.	6480.
#3	.3500	25.84	94.51	81.23	62520.	6475.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29410.	1780.	3368.	127.1	270.1	4.043
Stddev	150.	6.	20.	.4	2.8	2.112
%RSD	.5111	.3412	.5802	.2993	1.023	52.22
#1	29500.	1778.	3388.	126.8	273.3	6.273
#2	29240.	1774.	3367.	127.5	268.7	2.075
#3	29490.	1786.	3349.	127.0	268.3	3.782

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

Sample Name: 460-109216-d-91-b@4 Acquired: 2/27/2016 21:19:31 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2830	-1.307	102.7	314.0	29.39	6.103
Stddev	.7766	1.676	.8	.5	.99	.052
%RSD	274.4	128.2	.7881	.1731	3.355	.8580
#1	.6122	-3.199	102.3	313.4	29.40	6.057
#2	-.6856	-.0088	102.1	314.1	30.36	6.160
#3	-.7757	-.7145	103.6	314.5	28.39	6.091

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.930	603.6	1757.	2717.
Stddev	.648	.8	1.	52.
%RSD	9.354	.1334	.0438	1.919
#1	6.762	604.4	1756.	2770.
#2	6.383	603.5	1757.	2713.
#3	7.646	602.8	1757.	2666.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9452.2	53382.	10547.
Stddev	112.6	848.	90.
%RSD	1.1916	1.5894	.85149
#1	9328.5	52409.	10448.
#2	9479.1	53770.	10570.
#3	9548.9	53966.	10623.

Sample Name: 460-109216-d-100-c@4 Acquired: 2/27/2016 21:23:12 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17170.	8.416	-1.046	209.8	1.599	37660.
Stddev	36.	.979	.308	.2	.123	51.
%RSD	.2102	11.64	29.44	.0886	7.711	.1354
#1	17140.	9.546	-1.305	209.5	1.695	37620.
#2	17210.	7.808	-1.127	209.9	1.460	37650.
#3	17180.	7.895	-.7054	209.9	1.642	37720.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1773	20.85	46.28	58.38	58080.	3673.
Stddev	.0218	.09	.48	.18	80.	21.
%RSD	12.32	.4342	1.038	.3105	.1371	.5625
#1	-.1903	20.80	45.73	58.50	58010.	3691.
#2	-.1896	20.96	46.59	58.17	58070.	3650.
#3	-.1521	20.80	46.53	58.47	58170.	3677.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17170.	1801.	644.7	87.67	19.46	-1.136
Stddev	44.	3.	5.2	.63	.72	1.362
%RSD	.2543	.1492	.8045	.7197	3.683	119.9
#1	17160.	1799.	649.2	86.95	19.38	-1.649
#2	17140.	1800.	639.0	88.11	18.79	.4076
#3	17220.	1804.	645.8	87.95	20.22	-2.167

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

Sample Name: 460-109216-d-100-c@4 Acquired: 2/27/2016 21:23:12 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1487	.2416	62.98	102.5	10.10	1.244
Stddev	4.438	.1012	.59	.5	.61	.180
%RSD	2984.	41.88	.9446	.4890	6.001	14.48
#1	4.813	.2350	62.34	101.9	10.79	1.323
#2	-4.020	.1439	63.07	102.6	9.844	1.038
#3	-.3469	.3459	63.52	102.9	9.659	1.370

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.733	112.4	998.6	670.4
Stddev	.592	.1	.4	14.0
%RSD	21.65	.0468	.0353	2.084
#1	2.109	112.3	998.4	657.1
#2	2.806	112.4	999.0	669.2
#3	3.285	112.4	998.3	684.9

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	9632.2	54510.	10627.
Stddev	33.9	335.	98.
%RSD	.35175	.61501	.92480
#1	9593.6	54126.	10515.
#2	9645.9	54748.	10665.
#3	9657.0	54656.	10701.

Sample Name: 460-109231-d-8-b@4 Acquired: 2/27/2016 21:26:54 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75570.	6.698	-1.905	197.6	4.278	4503.
Stddev	516.	1.754	.462	.5	.154	70.
%RSD	.6824	26.19	24.23	.2719	3.599	1.564
#1	75030.	8.616	-2.438	197.0	4.135	4434.
#2	75640.	6.304	-1.641	197.7	4.258	4499.
#3	76050.	5.175	-1.635	198.0	4.441	4575.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4585	29.85	77.86	8.803	60440.	1227.
Stddev	.0320	.22	1.05	.057	744.	29.
%RSD	6.973	.7304	1.349	.6449	1.231	2.325
#1	-.4500	30.09	77.54	8.856	59780.	1241.
#2	-.4316	29.68	77.01	8.809	60280.	1194.
#3	-.4938	29.77	79.04	8.743	61250.	1246.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5528.	698.6	1028.	36.74	10.92	2.884
Stddev	106.	8.0	6.	.35	1.78	1.603
%RSD	1.924	1.145	.5803	.9592	16.29	55.59
#1	5433.	691.7	1021.	36.51	10.64	1.602
#2	5510.	696.9	1032.	36.56	9.299	4.681
#3	5643.	707.4	1030.	37.15	12.82	2.368

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

Sample Name: 460-109231-d-8-b@4 Acquired: 2/27/2016 21:26:54 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.351	-.0919	88.28	50.68	-1.371	1.024
Stddev	.842	1.610	.49	.71	.342	.096
%RSD	35.79	1751.	.5552	1.401	24.95	9.331
#1	-1.524	1.694	87.72	49.87	-1.757	.9840
#2	-2.323	-1.430	88.60	50.95	-1.247	1.133
#3	-3.206	-.5406	88.53	51.21	-1.108	.9552

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.189	37.42	416.3	998.1
Stddev	.520	.13	2.5	21.2
%RSD	12.41	.3587	.6020	2.127
#1	3.902	37.32	413.9	997.7
#2	4.790	37.36	415.9	977.0
#3	3.876	37.57	418.9	1019.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9787.5	54667.	10796.
Stddev	20.6	485.	120.
%RSD	.21056	.88721	1.1093
#1	9786.0	54993.	10933.
#2	9808.8	54899.	10747.
#3	9767.7	54110.	10709.

Sample Name: 460-109231-d-9-b@4 Acquired: 2/27/2016 21:30:36 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.884	3.429	.1805	-.0439	-.1028	-2.544
Stddev	8.586	.828	.3989	.1854	.1885	2.750
%RSD	221.1	24.14	221.0	422.5	183.4	108.1
#1	-5.899	2.477	.5480	.1678	-.3008	-2.673
#2	7.381	3.839	-.2438	-.1220	-.0822	-5.227
#3	10.17	3.972	.2374	-.1773	.0746	.2680

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0088	.0127	.1975	-.5777	10.60	32.92
Stddev	.0116	.0373	.7112	.1893	7.67	16.68
%RSD	132.5	293.4	360.1	32.76	72.40	50.67
#1	.0006	-.0263	-.2603	-.7004	9.143	43.45
#2	-.0217	.0481	-.1640	-.6731	18.89	13.69
#3	-.0051	.0164	1.017	-.3597	3.756	41.62

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.508	.0857	87.14	.1881	.1789	2.079
Stddev	2.812	.0121	2.66	.3329	1.014	1.057
%RSD	112.1	14.17	3.047	177.0	567.1	50.81
#1	5.241	.0952	84.57	.4950	-.9887	1.637
#2	-.3773	.0720	86.98	-.1658	.8420	3.285
#3	2.661	.0897	89.87	.2349	.6832	1.316

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

Sample Name: 460-109231-d-9-b@4 Acquired: 2/27/2016 21:30:36 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.332	-.3293	.0431	.9604	2.182	-.6142
Stddev	1.440	1.376	.0336	.0630	.213	.1734
%RSD	108.1	417.9	78.04	6.557	9.772	28.23
#1	.2144	-1.821	.0614	.9586	2.364	-.4495
#2	.8252	.8910	.0043	1.024	2.235	-.7952
#3	2.956	-.0580	.0637	.8983	1.948	-.5980

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2651	.0865	-1.198	3.156
Stddev	.4353	.0231	.195	11.82
%RSD	164.2	26.67	16.27	374.6
#1	.1971	.1132	-1.071	8.226
#2	-.3250	.0730	-1.102	-10.36
#3	-.6673	.0733	-1.423	11.60

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9982.5	55204.	10349.
Stddev	70.7	1106.	387.
%RSD	.70834	2.0030	3.7428
#1	9904.0	54929.	10171.
#2	10041.	54262.	10083.
#3	10002.	56422.	10793.

Sample Name: 460-109259-a-10-c@4 Acquired: 2/27/2016 21:34:27 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51890.	19.22	-1.937	317.3	5.038	16190.
Stddev	117.	2.52	.142	.7	.084	73.
%RSD	.2262	13.09	7.352	.2299	1.661	.4502
#1	51910.	21.98	-1.914	317.8	4.951	16120.
#2	52000.	17.06	-2.089	317.5	5.045	16180.
#3	51770.	18.60	-1.807	316.4	5.118	16260.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0095	48.21	143.1	159.0	91830.	8948.
Stddev	.1180	.09	.4	1.0	319.	44.
%RSD	1247.	.1909	.2861	.6329	.3476	.4907
#1	.1252	48.13	142.8	160.1	91570.	8997.
#2	-.0947	48.20	142.8	158.8	91730.	8938.
#3	-.0589	48.31	143.5	158.1	92180.	8910.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25750.	3114.	2196.	272.7	78.73	1.237
Stddev	106.	8.	2.	1.3	1.23	.711
%RSD	.4095	.2614	.0996	.4670	1.562	57.47
#1	25670.	3106.	2195.	272.7	79.61	1.948
#2	25720.	3114.	2195.	271.3	77.32	1.236
#3	25870.	3122.	2199.	273.9	79.25	.5264

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

Sample Name: 460-109259-a-10-c@4 Acquired: 2/27/2016 21:34:27 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9789	-1.616	183.2	216.4	49.43	3.427
Stddev	3.553	2.707	.4	1.4	.48	.176
%RSD	362.9	167.5	.2126	.6627	.9741	5.146
#1	-4.907	-3.569	183.1	215.7	49.03	3.477
#2	2.010	1.474	183.0	215.5	49.96	3.231
#3	-.0404	-2.753	183.7	218.1	49.29	3.573

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.628	59.66	3335.	665.6
Stddev	.089	.30	3.	7.5
%RSD	5.462	.4985	.0907	1.128
#1	1.720	59.90	3339.	660.0
#2	1.542	59.74	3334.	662.8
#3	1.623	59.33	3333.	674.2

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	9735.8	55066.	10843.
Stddev	52.9	383.	60.
%RSD	.54310	.69487	.55719
#1	9675.1	54624.	10784.
#2	9771.4	55279.	10905.
#3	9761.0	55295.	10839.

Sample Name: 460-109259-c-19-d@4 Acquired: 2/27/2016 21:38:06 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29670.	10.57	-1.523	188.8	2.300	9923.
Stddev	157.	1.28	.733	.9	.046	64.
%RSD	.5292	12.14	48.09	.4744	1.995	.6440
#1	29530.	9.092	-1.567	187.9	2.266	9892.
#2	29650.	11.37	-.7699	188.9	2.282	9881.
#3	29840.	11.26	-2.233	189.7	2.352	9997.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0545	31.51	83.20	74.29	63980.	8262.
Stddev	.1399	.37	.61	.51	374.	43.
%RSD	256.6	1.159	.7317	.6873	.5843	.5165
#1	-.2112	31.11	83.83	73.98	63750.	8245.
#2	-.0106	31.82	82.62	74.02	63770.	8230.
#3	.0581	31.60	83.14	74.88	64410.	8311.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24130.	1554.	1094.	246.0	25.71	-.6447
Stddev	212.	10.	5.	.8	.44	.0790
%RSD	.8775	.6331	.4500	.3192	1.713	12.26
#1	23980.	1547.	1095.	245.4	25.31	-.5579
#2	24030.	1549.	1088.	245.7	25.65	-.7126
#3	24370.	1565.	1098.	246.9	26.18	-.6636

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

Sample Name: 460-109259-c-19-d@4 Acquired: 2/27/2016 21:38:06 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.218	1.874	130.4	157.1	8.067	.9711
Stddev	2.045	.320	1.1	1.3	.112	.1630
%RSD	63.54	17.09	.8210	.8012	1.388	16.79
#1	-3.142	1.691	129.4	156.1	8.178	1.014
#2	-5.299	1.687	130.3	156.7	8.070	.7908
#3	-1.212	2.244	131.6	158.5	7.954	1.108

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.712	39.00	1930.	663.1
Stddev	.674	.26	12.	23.3
%RSD	39.35	.6546	.5996	3.509
#1	1.240	38.79	1919.	640.6
#2	2.483	38.92	1929.	687.1
#3	1.412	39.28	1942.	661.6

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	9893.3	55885.	10862.
Stddev	22.9	251.	189.
%RSD	.23139	.44946	1.7362
#1	9877.1	55620.	10665.
#2	9919.5	56119.	11041.
#3	9883.4	55917.	10880.

Sample Name: 460-109259-a-28-c@4 Acquired: 2/27/2016 21:41:45 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24850.	9.745	-1.432	223.0	2.029	47300.
Stddev	95.	1.013	.513	.6	.091	262.
%RSD	.3817	10.39	35.85	.2685	4.489	.5542
#1	24740.	8.637	-1.906	223.5	2.087	47080.
#2	24910.	10.62	-1.503	223.2	1.924	47220.
#3	24900.	9.975	-.8868	222.4	2.077	47590.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0570	29.59	65.45	62.50	59160.	5326.
Stddev	.2426	.22	1.13	.52	174.	30.
%RSD	425.7	.7515	1.729	.8313	.2939	.5671
#1	.2134	29.37	64.42	61.94	59010.	5318.
#2	.1800	29.59	65.27	62.97	59130.	5302.
#3	-.2225	29.81	66.66	62.58	59350.	5360.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35080.	1533.	1100.	224.3	32.72	1.748
Stddev	131.	4.	3.	.4	.61	.832
%RSD	.3743	.2845	.2920	.1948	1.854	47.60
#1	35000.	1529.	1103.	224.5	33.42	2.365
#2	35000.	1532.	1097.	224.5	32.33	.8017
#3	35230.	1538.	1101.	223.8	32.42	2.076

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

Sample Name: 460-109259-a-28-c@4 Acquired: 2/27/2016 21:41:45 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.913	.2217	93.56	165.4	17.77	1.365
Stddev	.778	1.606	.57	.3	.29	.205
%RSD	40.65	724.5	.6076	.1637	1.616	15.01
#1	-1.144	1.216	92.93	165.1	17.72	1.193
#2	-2.700	1.080	93.71	165.4	17.51	1.310
#3	-1.896	-1.631	94.03	165.7	18.07	1.592

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.533	131.2	1447.	686.6
Stddev	.718	.5	3.	.8
%RSD	46.85	.4113	.1803	.1122
#1	.7606	130.6	1444.	685.8
#2	2.181	131.7	1449.	687.3
#3	1.659	131.3	1448.	686.8

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	9657.6	54829.	10752.
Stddev	18.4	220.	24.
%RSD	.19055	.40068	.22781
#1	9636.4	54803.	10772.
#2	9669.2	55061.	10758.
#3	9667.1	54624.	10725.

Sample Name: 460-109259-a-37-c@4 Acquired: 2/27/2016 21:45:24 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45830.	31.31	5.712	526.4	3.398	85480.
Stddev	164.	1.32	.243	.6	.178	1028.
%RSD	.3580	4.225	4.259	.1096	5.241	1.203
#1	45720.	30.15	5.794	527.0	3.288	84790.
#2	45750.	32.75	5.438	526.3	3.604	84970.
#3	46020.	31.03	5.903	525.9	3.304	86660.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.224	32.83	104.4	1550.	75130.	7327.
Stddev	.105	.35	.7	4.	636.	11.
%RSD	4.707	1.059	.7141	.2299	.8470	.1477
#1	2.114	32.62	103.6	1548.	74760.	7318.
#2	2.323	33.23	104.5	1554.	74770.	7339.
#3	2.234	32.64	105.1	1548.	75870.	7323.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24800.	1916.	2316.	445.1	2170.	28.85
Stddev	294.	14.	10.	3.7	17.	.87
%RSD	1.187	.7084	.4188	.8279	.7816	3.022
#1	24590.	1908.	2305.	442.5	2157.	27.96
#2	24670.	1909.	2323.	449.3	2189.	29.71
#3	25130.	1932.	2320.	443.6	2163.	28.89

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

Sample Name: 460-109259-a-37-c@4 Acquired: 2/27/2016 21:45:24 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.296	-.1585	151.7	1990.	20.10	3.418
Stddev	1.754	.6177	.7	20.	.12	.292
%RSD	76.40	389.8	.4888	.9822	.6134	8.539
#1	-1.971	.0308	150.8	1972.	19.96	3.755
#2	-4.189	-.8487	151.8	2011.	20.15	3.268
#3	-.7269	.3424	152.3	1986.	20.18	3.232

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	124.1	299.9	2334.	3451.
Stddev	1.4	.7	5.	128.
%RSD	1.115	.2290	.2162	3.696
#1	124.1	300.0	2332.	3490.
#2	125.5	300.5	2331.	3554.
#3	122.8	299.2	2340.	3308.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9626.8	54053.	10636.
Stddev	81.7	593.	245.
%RSD	.84906	1.0965	2.3044
#1	9631.1	54143.	10634.
#2	9543.0	54595.	10882.
#3	9706.3	53420.	10392.

Sample Name: CCV Acquired: 2/27/2016 21:49:02 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124600.	2575.	1257.	10220.	1002.	123500.
Stddev	255.	4.	2.	7.	2.	216.
%RSD	.2043	.1449	.1533	.0722	.2026	.1745

#1	124800.	2576.	1259.	10220.	1004.	123600.
#2	124600.	2571.	1257.	10230.	1001.	123500.
#3	124300.	2578.	1255.	10210.	1001.	123200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1270.	2548.	4977.	12800.	100300.	50710.
Stddev	2.	3.	10.	6.	181.	118.
%RSD	.1636	.1319	.2021	.0491	.1802	.2326

#1	1271.	2550.	4986.	12810.	100500.	50840.
#2	1271.	2550.	4980.	12800.	100300.	50690.
#3	1267.	2544.	4966.	12800.	100200.	50610.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	5091.	128100.	2564.	7645.	1028.
Stddev	12.	8.	750.	6.	11.	6.
%RSD	.0101	.1617	.5852	.2167	.1442	.6302

#1	123000.	5098.	128900.	2567.	7654.	1035.
#2	123000.	5093.	128000.	2567.	7648.	1022.
#3	123000.	5082.	127400.	2557.	7633.	1027.

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

Sample Name: CCV Acquired: 2/27/2016 21:49:02 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2576.	2598.	2504.	2509.	1021.	2500.
Stddev	9.	5.	5.	5.	1.	2.
%RSD	.3419	.1899	.1843	.2128	.0644	.0841

#1	2587.	2603.	2508.	2511.	1021.	2501.
#2	2571.	2598.	2503.	2512.	1020.	2502.
#3	2571.	2593.	2499.	2502.	1022.	2498.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1008.	5168.	10220.	10150.
Stddev	3.	3.	8.	28.
%RSD	.2610	.0561	.0741	.2778

#1	1010.	5167.	10220.	10160.
#2	1010.	5171.	10220.	10110.
#3	1005.	5165.	10210.	10170.

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	9245.3	52233.	10448.
Stddev	22.9	159.	69.
%RSD	.24779	.30420	.65972

#1	9228.5	52135.	10374.
#2	9236.1	52148.	10460.
#3	9271.4	52416.	10510.

Sample Name: CCB Acquired: 2/27/2016 21:52:26 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.51	3.345	-1.1408	.2226	.0116	-16.49
Stddev	10.76	1.324	.3834	.0848	.0638	2.50
%RSD	74.11	39.58	272.4	38.08	549.7	15.16
#1	19.36	3.493	.2228	.2580	-.0447	-13.71
#2	22.00	1.953	-.1037	.2839	.0809	-18.56
#3	2.187	4.588	-.5414	.1259	-.0013	-17.20

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0030	.0425	.5273	.2578	6.969	47.50
Stddev	.0267	.1952	.5203	.5656	3.678	12.73
%RSD	880.7	459.1	98.66	219.4	52.77	26.80
#1	.0110	-.1777	.2053	.8379	6.543	55.83
#2	-.0338	.1945	.2491	.2277	10.84	32.85
#3	.0137	.1108	1.128	-.2920	3.524	53.83

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.922	.2316	66.91	-.0474	.4826	.4998
Stddev	1.172	.0773	15.43	.7376	.4209	.2469
%RSD	40.11	33.38	23.06	1555.	87.22	49.41
#1	1.904	.3161	84.67	.5017	.5326	.5252
#2	4.203	.2145	56.75	-.8858	.8764	.2411
#3	2.658	.1643	59.32	.2418	.0389	.7330

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

Sample Name: CCB Acquired: 2/27/2016 21:52:26 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.142	.3435	-.0162	.3031	1.700	1.220
Stddev	.595	.9479	.3619	.2090	.929	.181
%RSD	14.37	276.0	2232.	68.95	54.65	14.86
#1	4.117	1.387	.2763	.5328	2.524	1.294
#2	3.560	-.4638	-.4209	.1243	1.883	1.013
#3	4.749	.1071	.0959	.2521	.6932	1.352

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5267	.2103	1.069	22.06
Stddev	.4194	.0606	.068	8.47
%RSD	79.63	28.82	6.396	38.41
#1	-.3808	.2777	.9902	31.50
#2	-.9996	.1930	1.111	19.55
#3	-.1997	.1602	1.107	15.12

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	9749.2	54999.	10623.
Stddev	18.5	225.	23.
%RSD	.19005	.40901	.22106
#1	9769.3	55046.	10649.
#2	9732.8	55198.	10603.
#3	9745.6	54755.	10617.

Sample Name: CCVL Acquired: 2/27/2016 21:56:17 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	193.0	15.56	8.903	191.6	1.799	4477.
Stddev	2.3	1.46	.387	.6	.117	51.
%RSD	1.209	9.380	4.345	.3199	6.518	1.148

#1	190.6	16.68	9.128	192.3	1.841	4481.
#2	195.3	16.09	9.125	191.4	1.890	4525.
#3	193.2	13.91	8.456	191.2	1.667	4423.

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	3.913	48.26	9.228	23.47	162.4	4589.
Stddev	.095	.09	.226	.59	3.6	35.
%RSD	2.422	.1958	2.446	2.497	2.212	.7552

#1	3.881	48.15	9.184	22.80	159.4	4578.
#2	3.839	48.32	9.027	23.89	166.4	4628.
#3	4.020	48.31	9.473	23.72	161.6	4561.

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	4489.	14.91	4727.	39.01	10.99	18.22
Stddev	48.	.12	40.	.36	1.21	.91
%RSD	1.072	.7722	.8457	.9289	11.04	5.020

#1	4489.	14.82	4712.	38.61	12.30	18.23
#2	4537.	15.04	4772.	39.32	10.76	17.30
#3	4440.	14.87	4696.	39.11	9.905	19.12

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

Sample Name: CCVL Acquired: 2/27/2016 21:56:17 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.05	20.21	45.81	30.61	45.61	17.62
Stddev	1.07	1.79	.26	.36	.08	.22
%RSD	5.076	8.865	.5744	1.179	.1762	1.257

#1	20.30	19.97	45.62	30.84	45.54	17.62
#2	22.27	18.54	46.11	30.80	45.70	17.40
#3	20.58	22.10	45.71	30.20	45.59	17.84

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	45.82	19.40	18.75	F 14.72
Stddev	.96	.15	.06	3.95
%RSD	2.097	.7787	.3217	26.80

#1	46.89	19.23	18.68	15.82
#2	45.02	19.44	18.78	10.35
#3	45.56	19.52	18.78	18.01

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9752.0	54733.	10578.
Stddev	88.6	904.	362.
%RSD	.90860	1.6510	3.4258

#1	9689.9	54466.	10450.
#2	9712.7	53992.	10296.
#3	9853.5	55740.	10986.

Sample Name: 460-109259-b-46-j@4 Acquired: 2/27/2016 22:00:04 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56990.	18.52	-1.716	402.0	4.956	17120.
Stddev	280.	1.37	.279	.8	.092	167.
%RSD	.4910	7.412	16.24	.1959	1.855	.9777
#1	56710.	19.69	-1.638	402.9	5.061	16930.
#2	57270.	17.01	-2.025	401.6	4.896	17220.
#3	56980.	18.85	-1.484	401.6	4.909	17220.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0530	46.27	134.5	158.9	97010.	10850.
Stddev	.2974	.15	.4	.8	542.	79.
%RSD	560.8	.3171	.2930	.4841	.5586	.7276
#1	.3930	46.10	134.0	159.7	96390.	10880.
#2	-.1586	46.35	134.8	158.8	97360.	10760.
#3	-.0754	46.35	134.6	158.1	97290.	10910.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25480.	2418.	1406.	259.5	200.1	3.425
Stddev	184.	12.	12.	1.1	2.2	.156
%RSD	.7225	.5156	.8355	.4383	1.116	4.559
#1	25270.	2404.	1415.	260.7	198.3	3.600
#2	25610.	2425.	1409.	258.5	199.5	3.301
#3	25550.	2425.	1392.	259.3	202.6	3.373

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

Sample Name: 460-109259-b-46-j@4 Acquired: 2/27/2016 22:00:04 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.790	.7449	202.0	376.1	5.262	3.487
Stddev	1.322	.9752	.6	2.9	.475	.073
%RSD	73.87	130.9	.2846	.7746	9.022	2.106
#1	-1.520	.0296	201.7	372.8	4.898	3.572
#2	-.6232	1.856	202.6	377.4	5.088	3.438
#3	-3.226	.3494	201.6	378.1	5.799	3.452

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.436	72.86	4809.	771.8
Stddev	.376	.20	7.	19.5
%RSD	5.838	.2687	.1509	2.523
#1	6.814	72.76	4801.	787.5
#2	6.063	73.08	4816.	750.0
#3	6.430	72.73	4810.	777.8

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	10009.	56248.	11056.
Stddev	6.	32.	33.
%RSD	.05659	.05689	.29841
#1	10015.	56244.	11085.
#2	10008.	56218.	11020.
#3	10004.	56282.	11061.

Sample Name: 460-109259-c-55-f@4 Acquired: 2/27/2016 22:03:42 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46480.	18.73	-1.506	342.8	3.966	22370.
Stddev	163.	1.28	.388	.2	.048	211.
%RSD	.3507	6.849	25.78	.0701	1.204	.9448

#1	46640.	19.62	-1.946	342.6	3.916	22600.
#2	46310.	19.30	-1.363	343.1	4.010	22190.
#3	46480.	17.26	-1.210	342.7	3.973	22310.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2732	51.66	143.1	196.9	96860.	10900.
Stddev	.0992	.20	1.3	.6	705.	126.
%RSD	36.30	.3917	.9287	.3160	.7280	1.154

#1	.2583	51.89	144.6	196.5	97640.	10970.
#2	.3790	51.55	142.8	197.6	96270.	10750.
#3	.1823	51.54	142.0	196.5	96670.	10980.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24520.	2473.	1479.	350.9	242.0	3.846
Stddev	194.	13.	4.	.3	.5	2.153
%RSD	.7892	.5328	.2858	.0725	.2102	55.99

#1	24720.	2488.	1479.	351.1	241.8	6.320
#2	24330.	2462.	1475.	351.1	242.6	2.394
#3	24500.	2469.	1484.	350.7	241.6	2.824

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

Sample Name: 460-109259-c-55-f@4 Acquired: 2/27/2016 22:03:42 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.581	1.503	182.5	298.6	6.888	4.193
Stddev	1.851	1.307	.6	1.1	.112	.253
%RSD	71.73	86.93	.3020	.3757	1.624	6.027
#1	-3.289	.0163	183.0	299.5	6.842	3.914
#2	-3.973	2.025	181.9	297.4	6.806	4.258
#3	-4.800	2.469	182.5	299.0	7.015	4.407

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.90	77.47	3021.	787.5
Stddev	.80	.16	7.	9.6
%RSD	7.325	.2045	.2254	1.215
#1	10.02	77.29	3028.	781.0
#2	11.09	77.56	3018.	798.5
#3	11.58	77.57	3015.	783.0

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	9800.9	55149.	10862.
Stddev	81.8	1071.	428.
%RSD	.83412	1.9419	3.9380
#1	9710.4	53926.	10391.
#2	9869.3	55917.	11228.
#3	9822.9	55604.	10966.

Sample Name: 460-109259-c-64-f@4 Acquired: 2/27/2016 22:07:21 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41410.	15.90	-1.281	324.0	3.676	12220.
Stddev	317.	1.63	.067	.2	.128	100.
%RSD	.7652	10.28	5.264	.0469	3.490	.8173

#1	41050.	14.04	-1.273	324.0	3.542	12150.
#2	41540.	16.54	-1.352	323.9	3.797	12180.
#3	41630.	17.12	-1.217	324.2	3.690	12340.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0511	46.08	119.5	143.7	91330.	14350.
Stddev	.1625	.19	1.1	.5	605.	129.
%RSD	317.9	.4150	.9188	.3536	.6619	.8955

#1	.2065	45.97	119.0	143.2	90820.	14200.
#2	.0646	46.31	118.8	144.1	91160.	14420.
#3	-.1177	45.98	120.8	144.0	92000.	14430.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28890.	2870.	1302.	420.1	59.17	.4089
Stddev	191.	16.	13.	1.1	1.04	2.335
%RSD	.6607	.5469	1.036	.2733	1.764	571.2

#1	28730.	2855.	1287.	420.0	60.18	-1.278
#2	28830.	2869.	1308.	419.1	59.24	-.5703
#3	29100.	2887.	1311.	421.3	58.10	3.074

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

Sample Name: 460-109259-c-64-f@4 Acquired: 2/27/2016 22:07:21 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.786	1.154	167.6	294.7	5.392	1.912
Stddev	2.433	3.526	.9	1.9	.289	.086
%RSD	50.85	305.7	.5452	.6300	5.365	4.470
#1	-5.577	-1.322	167.1	292.7	5.503	1.884
#2	-6.725	-4.083	167.1	295.1	5.064	1.844
#3	-2.055	5.191	168.7	296.4	5.609	2.008

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.494	48.71	2976.	660.6
Stddev	.357	.19	7.	7.1
%RSD	23.93	.3952	.2379	1.080
#1	1.804	48.52	2968.	663.1
#2	1.103	48.90	2978.	652.5
#3	1.575	48.71	2982.	666.1

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	9733.7	54788.	10563.
Stddev	20.9	354.	243.
%RSD	.21464	.64528	2.2975
#1	9745.0	54910.	10750.
#2	9746.5	55064.	10650.
#3	9709.6	54389.	10289.

Sample Name: 460-109259-b-73-i@4 Acquired: 2/27/2016 22:11:00 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36820.	25.29	-8991	458.0	2.617	226700.
Stddev	108.	2.17	.6363	.5	.098	2352.
%RSD	.2926	8.583	70.77	.1133	3.753	1.038

#1	36710.	22.90	-.3539	457.4	2.514	224100.
#2	36840.	27.13	-.7452	458.4	2.626	227100.
#3	36920.	25.85	-1.598	458.3	2.710	228800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.555	27.42	101.9	185.0	63750.	5781.
Stddev	.077	.26	1.0	.7	479.	5.
%RSD	1.681	.9332	.9856	.3692	.7511	.0889

#1	4.496	27.72	101.1	185.3	63220.	5779.
#2	4.527	27.30	101.6	185.5	63880.	5787.
#3	4.642	27.25	103.0	184.2	64150.	5777.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24180.	1687.	1537.	156.3	592.8	1.224
Stddev	239.	11.	3.	1.3	2.0	1.175
%RSD	.9885	.6481	.2147	.8616	.3315	95.94

#1	23910.	1675.	1534.	155.2	590.7	.8425
#2	24300.	1692.	1537.	157.8	593.2	2.543
#3	24340.	1695.	1541.	155.9	594.6	.2882

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

Sample Name: 460-109259-b-73-i@4 Acquired: 2/27/2016 22:11:00 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.288	-4.909	109.3	601.1	37.89	4.113
Stddev	3.403	1.176	.7	1.8	.10	.317
%RSD	264.2	239.6	.5963	.2966	.2767	7.716
#1	-4.326	.1480	108.5	599.9	37.98	4.274
#2	-1.929	.2278	109.6	603.1	37.77	4.318
#3	2.390	-1.849	109.7	600.2	37.92	3.748

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.16	582.4	2056.	1144.
Stddev	.44	1.1	7.	5.
%RSD	3.348	.1948	.3333	.4533
#1	12.79	582.3	2049.	1143.
#2	13.03	581.4	2063.	1149.
#3	13.65	583.6	2057.	1139.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9283.6	51752.	10113.
Stddev	33.3	580.	84.
%RSD	.35902	1.1209	.82949
#1	9271.0	52351.	10208.
#2	9258.4	51713.	10082.
#3	9321.4	51193.	10048.

Sample Name: 460-109259-a-82-a@4 Acquired: 2/27/2016 22:14:39 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37190.	13.48	-1.295	233.8	3.505	10680.
Stddev	55.	.77	.490	.8	.097	67.
%RSD	.1478	5.730	37.80	.3336	2.764	.6243

#1	37140.	12.83	-.8516	234.3	3.606	10630.
#2	37250.	14.33	-1.821	234.3	3.413	10650.
#3	37170.	13.28	-1.214	232.9	3.495	10760.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2509	46.87	110.7	124.6	79820.	9349.
Stddev	.0468	.31	.7	.5	436.	58.
%RSD	18.67	.6717	.6201	.3807	.5459	.6255

#1	.2742	47.12	110.0	124.9	79330.	9290.
#2	.1970	46.97	111.4	124.9	79950.	9407.
#3	.2815	46.51	110.6	124.1	80170.	9350.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26760.	2564.	933.8	474.0	48.94	.1196
Stddev	252.	11.	11.8	.7	2.16	.6814
%RSD	.9425	.4433	1.268	.1536	4.423	569.9

#1	26500.	2552.	932.4	473.3	49.26	.8570
#2	26790.	2566.	946.3	474.8	46.63	-.0116
#3	27000.	2575.	922.7	473.8	50.93	-.4867

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

Sample Name: 460-109259-a-82-a@4 Acquired: 2/27/2016 22:14:39 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.290	.5595	144.6	318.7	5.445	.7968
Stddev	.595	2.497	.5	1.8	.391	.0417
%RSD	25.97	446.2	.3716	.5496	7.186	5.230
#1	-2.589	-1.795	144.3	317.6	5.077	.7657
#2	-1.605	.2969	145.3	317.7	5.402	.7806
#3	-2.676	3.177	144.3	320.7	5.856	.8442

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.034	40.80	2216.	710.0
Stddev	.439	.13	4.	14.4
%RSD	42.43	.3132	.1901	2.021
#1	.9051	40.92	2211.	722.8
#2	.6741	40.82	2220.	712.8
#3	1.523	40.67	2217.	694.5

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9779.9	55081.	10734.
Stddev	27.0	304.	84.
%RSD	.27604	.55121	.78176
#1	9793.1	55331.	10777.
#2	9797.7	55170.	10787.
#3	9748.8	54743.	10637.

Sample Name: 460-109259-c-100-f@4 Acquired: 2/27/2016 22:18:18 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20480.	7.834	-1.076	135.1	1.787	8143.
Stddev	167.	1.183	.496	.3	.141	84.
%RSD	.8167	15.10	46.14	.1922	7.883	1.032
#1	20360.	7.648	-1.631	135.2	1.817	8059.
#2	20420.	6.755	-.9208	134.8	1.633	8144.
#3	20670.	9.098	-.6751	135.3	1.910	8227.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1075	30.11	68.36	70.80	49070.	5760.
Stddev	.1185	.06	.79	.63	410.	53.
%RSD	110.2	.1867	1.162	.8912	.8345	.9143
#1	-.2077	30.14	68.80	70.13	48670.	5699.
#2	.0232	30.14	68.84	71.39	49060.	5784.
#3	-.1381	30.04	67.45	70.88	49490.	5795.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23840.	1504.	790.4	277.4	31.79	1.347
Stddev	261.	12.	3.8	1.7	1.02	.696
%RSD	1.096	.7925	.4822	.6081	3.214	51.68
#1	23610.	1493.	793.1	275.5	30.62	1.322
#2	23780.	1502.	786.0	278.0	32.46	.6633
#3	24130.	1517.	792.0	278.7	32.30	2.055

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

Sample Name: 460-109259-c-100-f@4 Acquired: 2/27/2016 22:18:18 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.314	1.120	87.24	201.8	10.70	1.220
Stddev	3.572	.886	.37	2.1	.48	.171
%RSD	271.9	79.09	.4279	1.024	4.445	13.99
#1	-2.171	1.433	86.88	200.0	10.72	1.030
#2	-4.379	1.807	87.22	201.3	11.17	1.361
#3	2.609	.1202	87.63	204.1	10.22	1.268

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.469	34.20	1405.	600.5
Stddev	.244	.17	7.	17.2
%RSD	16.62	.5100	.5254	2.869
#1	1.445	34.08	1397.	586.1
#2	1.237	34.12	1405.	595.8
#3	1.724	34.40	1412.	619.6

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	9601.2	53585.	10365.
Stddev	45.3	324.	109.
%RSD	.47231	.60531	1.0470
#1	9594.4	53650.	10314.
#2	9649.5	53872.	10490.
#3	9559.6	53233.	10292.

Sample Name: 460-109259-a-1-c@4 Acquired: 2/27/2016 22:25:40 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66430.	29.45	.1403	469.9	3.716	124500.
Stddev	102.	1.05	.6527	.4	.021	373.
%RSD	.1534	3.565	465.1	.0890	.5715	.2993

#1	66320.	29.68	.6261	470.4	3.692	124900.
#2	66450.	30.36	.3966	469.7	3.723	124200.
#3	66520.	28.30	-.6016	469.6	3.733	124500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.174	41.95	131.0	481.8	101900.	9139.
Stddev	.034	.24	.3	.4	154.	7.
%RSD	2.878	.5625	.2252	.0807	.1513	.0779

#1	1.212	41.88	130.7	482.1	102100.	9141.
#2	1.148	42.21	131.3	481.4	101800.	9144.
#3	1.161	41.75	131.1	482.0	101800.	9131.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23510.	1882.	3301.	156.8	2422.	33.33
Stddev	81.	3.	1.	1.2	4.	1.92
%RSD	.3433	.1661	.0424	.7524	.1637	5.753

#1	23600.	1885.	3303.	156.4	2421.	35.08
#2	23450.	1878.	3301.	158.1	2426.	33.61
#3	23480.	1882.	3300.	155.9	2418.	31.28

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

Sample Name: 460-109259-a-1-c@4 Acquired: 2/27/2016 22:25:40 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.917	-1.018	171.4	1137.	27.83	7.423
Stddev	.514	1.153	.9	5.	.13	.277
%RSD	26.80	113.3	.5292	.4099	.4528	3.731
#1	-1.334	-.3430	171.7	1141.	27.76	7.184
#2	-2.113	-2.350	172.2	1138.	27.76	7.360
#3	-2.304	-.3618	170.4	1131.	27.98	7.727

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	108.7	609.7	2762.	2208.
Stddev	.4	.7	2.	24.
%RSD	.3522	.1187	.0785	1.089
#1	108.9	609.3	2763.	2180.
#2	108.8	610.5	2763.	2219.
#3	108.2	609.3	2759.	2224.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9495.2	53172.	10483.
Stddev	20.8	322.	143.
%RSD	.21928	.60484	1.3611
#1	9474.4	52814.	10319.
#2	9495.1	53434.	10581.
#3	9516.0	53269.	10549.

Sample Name: 460-109278-d-1-a@4 Acquired: 2/27/2016 22:21:58 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46300.	30.30	-1.725	176.4	3.130	3090.
Stddev	138.	.53	.280	.6	.074	12.
%RSD	.2975	1.745	16.24	.3188	2.370	.3903

#1	46330.	29.84	-2.041	176.8	3.142	3076.
#2	46420.	30.18	-1.628	176.7	3.050	3097.
#3	46150.	30.88	-1.507	175.8	3.197	3096.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2496	12.23	101.7	19.90	83790.	4671.
Stddev	.1444	.12	.4	.06	45.	15.
%RSD	57.85	.9767	.3892	.2879	.0537	.3223

#1	-.1992	12.09	102.1	19.96	83750.	4658.
#2	-.1371	12.30	101.4	19.91	83790.	4687.
#3	-.4124	12.30	101.5	19.84	83840.	4667.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4523.	523.1	201.9	26.51	38.38	2.792
Stddev	33.	1.3	7.4	1.02	.12	1.827
%RSD	.7303	.2554	3.644	3.847	.3227	65.44

#1	4510.	522.6	203.9	27.67	38.30	.7097
#2	4499.	522.2	193.8	25.78	38.52	3.539
#3	4561.	524.7	208.1	26.07	38.32	4.127

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

Sample Name: 460-109278-d-1-a@4 Acquired: 2/27/2016 22:21:58 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.6230	1.451	86.80	91.86	23.37	2.526
Stddev	2.643	3.706	.82	.36	.30	.338
%RSD	424.2	255.4	.9440	.3927	1.281	13.37
#1	-1.239	-1.575	85.87	91.74	23.21	2.612
#2	2.274	5.585	87.42	91.58	23.19	2.154
#3	-2.903	.3432	87.10	92.27	23.71	2.813

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.035	25.04	817.4	1013.
Stddev	.196	.03	.6	10.
%RSD	9.636	.1037	.0679	.9951
#1	1.930	25.07	816.9	1005.
#2	1.914	25.02	817.4	1009.
#3	2.261	25.03	818.0	1024.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9850.3	55921.	11066.
Stddev	25.8	190.	47.
%RSD	.26233	.34034	.42562
#1	9847.6	56031.	11061.
#2	9877.4	56030.	11022.
#3	9826.0	55701.	11116.

Sample Name: CCV Acquired: 2/27/2016 22:29:18 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	2579.	1264.	10280.	1003.	123600.
Stddev	403.	6.	2.	27.	3.	395.
%RSD	.3223	.2452	.1854	.2610	.3179	.3192

#1	125300.	2576.	1263.	10300.	1006.	123700.
#2	125300.	2586.	1267.	10300.	1005.	123900.
#3	124600.	2574.	1262.	10250.	999.7	123200.

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	1273.	2566.	4994.	12920.	100600.	50940.
Stddev	3.	7.	18.	5.	319.	132.
%RSD	.2025	.2555	.3686	.0408	.3171	.2590

#1	1276.	2572.	4998.	12910.	100700.	50990.
#2	1274.	2568.	5011.	12920.	100900.	51040.
#3	1271.	2559.	4974.	12910.	100300.	50790.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123100.	5110.	129000.	2578.	7680.	1035.
Stddev	291.	10.	764.	6.	16.	5.
%RSD	.2365	.1968	.5925	.2345	.2085	.5199

#1	123000.	5113.	129700.	2583.	7689.	1036.
#2	123500.	5118.	129100.	2580.	7690.	1039.
#3	122900.	5099.	128100.	2571.	7662.	1029.

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

Sample Name: CCV Acquired: 2/27/2016 22:29:18 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2590.	2623.	2514.	2511.	1029.	2517.
Stddev	13.	6.	8.	3.	3.	6.
%RSD	.4979	.2109	.3037	.1353	.3032	.2477

#1	2601.	2616.	2515.	2515.	1028.	2517.
#2	2593.	2626.	2521.	2508.	1033.	2523.
#3	2576.	2626.	2506.	2512.	1027.	2510.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1015.	5195.	10270.	10310.
Stddev	3.	8.	14.	142.
%RSD	.2815	.1500	.1358	1.377

#1	1017.	5186.	10270.	10170.
#2	1016.	5199.	10280.	10310.
#3	1012.	5200.	10250.	10450.

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	9225.6	52154.	10600.
Stddev	12.5	266.	200.
%RSD	.13569	.50938	1.8827

#1	9211.2	52086.	10414.
#2	9232.4	51928.	10576.
#3	9233.3	52447.	10811.

Sample Name: CCB Acquired: 2/27/2016 22:32:41 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.06	3.018	-.2485	.2328	.0779	-16.21
Stddev	15.40	.904	.1296	.1746	.0758	4.19
%RSD	117.9	29.97	52.13	74.98	97.28	25.85
#1	27.84	3.818	-.2843	.2456	.1651	-13.08
#2	-2.884	2.037	-.1049	.4006	.0418	-14.58
#3	14.23	3.199	-.3565	.0522	.0269	-20.97

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0061	.0228	.5292	.6138	8.087	47.23
Stddev	.0768	.0694	.4082	.6898	1.048	41.13
%RSD	1256.	304.8	77.14	112.4	12.96	87.08
#1	-.0596	.0790	.3299	1.358	7.027	90.83
#2	-.0406	.0442	.2590	.4861	8.110	41.75
#3	.0819	-.0548	.9989	-.0032	9.123	9.122

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.338	.2110	46.62	-.0350	-.2485	.6732
Stddev	2.872	.0737	12.42	.1674	.6312	2.100
%RSD	86.06	34.92	26.63	478.0	254.0	311.9
#1	1.294	.2360	60.38	-.0978	-.5105	3.045
#2	2.097	.1280	43.26	-.1619	.4715	-.9471
#3	6.622	.2688	36.24	.1547	-.7064	-.0787

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

Sample Name: CCB Acquired: 2/27/2016 22:32:41 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.300	-.0383	.2499	.2122	1.697	.9017
Stddev	2.396	.9549	.3596	.0630	.460	.2251
%RSD	55.71	2493.	143.9	29.68	27.12	24.96
#1	5.717	1.056	-.0983	.2380	2.160	1.101
#2	1.534	-.4696	.2281	.2581	1.239	.9460
#3	5.651	-.7015	.6199	.1404	1.693	.6578

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4230	.1861	1.046	17.23
Stddev	.4785	.0990	.409	10.74
%RSD	113.1	53.19	39.14	62.36
#1	-.7311	.2850	.6624	29.32
#2	.1283	.1866	.9980	8.805
#3	-.6662	.0869	1.477	13.55

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	9738.3	54565.	10164.
Stddev	15.0	357.	433.
%RSD	.15415	.65401	4.2624
#1	9749.8	54945.	10623.
#2	9743.8	54512.	9762.6
#3	9721.3	54237.	10107.

Sample Name: CCVL Acquired: 2/27/2016 22:36:33 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	190.2	15.42	8.498	191.6	1.825	4572.
Stddev	15.4	1.75	.159	.7	.120	30.
%RSD	8.096	11.34	1.875	.3849	6.577	.6652

#1	191.5	14.00	8.495	192.5	1.686	4541.
#2	204.9	14.89	8.659	191.1	1.885	4573.
#3	174.2	17.37	8.340	191.3	1.902	4601.

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	3.856	48.31	10.43	23.56	163.5	4611.
Stddev	.022	.12	.44	.23	4.4	32.
%RSD	.5602	.2517	4.180	.9571	2.675	.7013

#1	3.855	48.24	10.70	23.81	168.0	4580.
#2	3.877	48.45	9.923	23.47	159.2	4644.
#3	3.834	48.25	10.65	23.38	163.3	4609.

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	4613.	15.14	4732.	39.51	11.07	19.17
Stddev	44.	.04	24.	.77	1.63	.98
%RSD	.9503	.2346	.5087	1.939	14.77	5.088

#1	4582.	15.13	4705.	38.69	11.65	19.90
#2	4594.	15.11	4746.	39.62	9.219	19.55
#3	4663.	15.18	4746.	40.21	12.33	18.06

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

Sample Name: CCVL Acquired: 2/27/2016 22:36:33 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.64	20.48	46.77	31.21	45.72	17.50
Stddev	1.01	1.92	.39	.27	.55	.10
%RSD	4.880	9.367	.8237	.8800	1.199	.5463
#1	20.61	20.04	47.14	31.01	45.37	17.43
#2	21.67	18.82	46.37	31.10	46.35	17.61
#3	19.65	22.58	46.82	31.53	45.44	17.47

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.56	19.30	18.90	F 17.17
Stddev	1.40	.02	.07	19.46
%RSD	3.012	.1106	.3439	113.4
#1	45.41	19.30	18.93	32.04
#2	48.12	19.33	18.83	-4.855
#3	46.15	19.28	18.94	24.32

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	9627.3	53691.	10168.
Stddev	68.0	370.	195.
%RSD	.70628	.68855	1.9173
#1	9696.5	54101.	10388.
#2	9624.9	53591.	10096.
#3	9560.5	53382.	10019.

Sample Name: ICIS Cal Blk Acquired: 2/27/2016 11:40:16 Type: Cal
Method: BC021416(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0011	-0.0003	-0.0000	.0001	-0.0000	-0.0000
Stddev	.0002	.0000	.0000	.0000	.0002	.0001
%RSD	16.23	12.32	147.2	8.184	521.7	474.9

#1	-0.0010	-0.0003	-0.0000	.0001	-0.0001	.0000
#2	-0.0009	-0.0003	-0.0001	.0001	-0.0003	-0.0000
#3	-0.0012	-0.0003	.0000	.0001	.0002	-0.0001

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0003	.0003	-0.0001	.0048	.0001	-0.0014
Stddev	.0001	.0001	.0000	.0000	.0000	.0010
%RSD	35.35	19.84	44.67	.3448	57.75	72.36

#1	-0.0004	.0002	-0.0000	.0048	.0000	-0.0002
#2	-0.0003	.0003	-0.0001	.0048	.0001	-0.0019
#3	-0.0002	.0002	-0.0001	.0048	.0000	-0.0021

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0000	.0000	-0.0010	-0.0000	-0.0001	-0.0001
Stddev	.0000	.0001	.0006	.0000	.0001	.0000
%RSD	56.61	265.7	65.36	100.0	58.62	15.49

#1	-0.0000	-0.0000	-0.0010	-0.0001	-0.0001	-0.0001
#2	-0.0000	.0001	-0.0016	-0.0000	-0.0001	-0.0001
#3	-0.0000	-0.0000	-0.0003	-0.0000	-0.0000	-0.0001

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	-0.0002	-0.0000	-0.0000	.0003	.0002
Stddev	.0001	.0001	.0000	.0001	.0001	.0001
%RSD	89.96	32.73	64.90	198.4	20.46	26.58

#1	.0001	-0.0002	-0.0000	-0.0001	.0003	.0002
#2	.0001	-0.0002	-0.0000	.0000	.0003	.0002
#3	.0000	-0.0001	-0.0000	-0.0000	.0002	.0003

Sample Name: ICIS Cal Blk Acquired: 2/27/2016 11:40:16 Type: Cal
Method: BC021416(v7) 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	.0002	-.0003	.0007	.0003
Stddev	.0000	.0001	.0002	.0002
%RSD	25.73	39.35	31.14	68.67

#1	.0001	-.0002	.0005	.0003
#2	.0001	-.0005	.0007	.0001
#3	.0002	-.0003	.0009	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9830.2	53959.	10029.
Stddev	116.6	1093.	340.
%RSD	1.1858	2.0256	3.3949

#1	9733.9	53666.	9876.9
#2	9796.9	53042.	9790.9
#3	9959.7	55168.	10419.

Sample Name: CAL1 Acquired: 2/27/2016 11:44:07 Type: Cal
Method: BC021416(v7) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	.0003	.0002	.0002	.0002
Stddev	.0000	.0000	.0000	.0000	.0000
%RSD	19.02	14.60	14.91	25.28	9.774

#1	-.0001	.0004	.0002	.0001	.0002
#2	-.0001	.0003	.0003	.0002	.0002
#3	-.0001	.0003	.0002	.0002	.0002

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	9855.0
Stddev	21.1
%RSD	.21422

#1	9857.5
#2	9832.7
#3	9874.7

Sample Name: CAL2 Acquired: 2/27/2016 11:48:01 Type: Cal
Method: BC021416(v7) 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	.0046	.0002	.0013	.0650	.0030	.0764
Stddev	.0002	.0000	.0000	.0003	.0001	.0003
%RSD	4.613	19.52	.9199	.4365	3.406	.4360

#1	.0045	.0001	.0013	.0653	.0031	.0761
#2	.0045	.0002	.0013	.0648	.0029	.0765
#3	.0049	.0002	.0013	.0648	.0029	.0767

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0029	.0225	.0008	.0101	.0013	.1208
Stddev	.0000	.0001	.0000	.0001	.0000	.0011
%RSD	.8502	.3014	4.536	.6240	.5393	.8844

#1	.0029	.0224	.0008	.0101	.0013	.1210
#2	.0029	.0225	.0008	.0100	.0013	.1197
#3	.0029	.0224	.0007	.0101	.0013	.1218

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0578	.0118	.5910	.0045	.0008	.0005
Stddev	.0003	.0000	.0043	.0001	.0001	.0000
%RSD	.5283	.2345	.7197	2.344	13.07	5.065

#1	.0575	.0118	.5882	.0046	.0008	.0005
#2	.0579	.0117	.5889	.0044	.0008	.0005
#3	.0580	.0118	.5959	.0046	.0006	.0005

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	.0004	.0090	.0134	.0081	.0042
Stddev	.0000	.0000	.0001	.0002	.0001	.0000
%RSD	2.831	7.218	.8295	1.124	.6896	.9364

#1	.0005	.0004	.0089	.0132	.0081	.0042
#2	.0005	.0005	.0090	.0135	.0081	.0042
#3	.0005	.0004	.0090	.0135	.0082	.0043

Sample Name: CAL2 Acquired: 2/27/2016 11:48:01 Type: Cal
Method: BC021416(v7) 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	.0046	.0993	.0101
Stddev	.0001	.0005	.0001
%RSD	2.087	.5173	1.223

#1	.0045	.0998	.0100
#2	.0047	.0992	.0102
#3	.0047	.0988	.0102

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9754.1	53082.	9979.6
Stddev	73.1	360.	158.6
%RSD	.74906	.67895	1.5895

#1	9838.4	53422.	10052.
#2	9709.3	53119.	10089.
#3	9714.6	52704.	9797.7

Sample Name: CAL3 Acquired: 2/27/2016 11:51:50 Type: Cal
Method: BC021416(v7) 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	.6756	.0125	.0351	.6593	.3079	.3873
Stddev	.0006	.0001	.0001	.0005	.0005	.0033
%RSD	.0838	.4923	.3203	.0793	.1472	.8466

#1	.6749	.0126	.0352	.6588	.3078	.3898
#2	.6759	.0125	.0350	.6598	.3084	.3836
#3	.6758	.0124	.0350	.6593	.3076	.3885

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.2066	.2274	.0861	.5436	.1511	.2491
Stddev	.0004	.0001	.0004	.0019	.0008	.0009
%RSD	.1893	.0549	.4309	.3578	.5383	.3762

#1	.2070	.2276	.0865	.5433	.1519	.2480
#2	.2062	.2273	.0858	.5457	.1503	.2497
#3	.2066	.2274	.0862	.5419	.1513	.2496

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.2854	.7677	3.026	.0579	.1088	.0068
Stddev	.0021	.0032	.007	.0001	.0001	.0000
%RSD	.7184	.4230	.2319	.1448	.0522	.4797

#1	.2873	.7706	3.020	.0578	.1089	.0068
#2	.2832	.7642	3.026	.0580	.1088	.0068
#3	.2858	.7683	3.034	.0579	.1089	.0069

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	.0103	.0150	.0898	.2160	.0367	.1099
Stddev	.0001	.0001	.0002	.0004	.0001	.0002
%RSD	.7617	.8929	.2005	.1623	.2197	.1783

#1	.0103	.0151	.0898	.2163	.0367	.1097
#2	.0103	.0148	.0896	.2157	.0368	.1101
#3	.0102	.0150	.0900	.2158	.0366	.1098

Sample Name: CAL3 Acquired: 2/27/2016 11:51:50 Type: Cal
Method: BC021416(v7) 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	.0187	4.988	.9877	.0227
Stddev	.0001	.001	.0016	.0002
%RSD	.3405	.0189	.1584	.8226

#1	.0187	4.987	.9894	.0227
#2	.0186	4.988	.9873	.0229
#3	.0188	4.989	.9863	.0225

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9564.2	52771.	9940.7
Stddev	28.5	689.	57.4
%RSD	.29840	1.3061	.57752

#1	9531.6	52139.	9927.1
#2	9575.9	53506.	10004.
#3	9585.0	52668.	9891.3

Sample Name: CAL4 Acquired: 2/27/2016 11:55:25 Type: Cal
Method: BC021416(v7) 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	3.287	.0626	.1726	3.155	1.472	1.884
Stddev	.005	.0003	.0003	.002	.003	.020
%RSD	.1448	.3992	.1467	.0609	.1990	1.074

#1	3.292	.0624	.1728	3.155	1.475	1.903
#2	3.283	.0627	.1723	3.153	1.469	1.862
#3	3.287	.0629	.1727	3.157	1.472	1.886

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.9764	1.084	.4080	2.668	.7129	1.233
Stddev	.0037	.002	.0030	.010	.0056	.001
%RSD	.3741	.1628	.7342	.3911	.7911	.0937

#1	.9772	1.083	.4110	2.659	.7180	1.233
#2	.9724	1.083	.4050	2.679	.7069	1.232
#3	.9796	1.086	.4082	2.666	.7140	1.234

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.400	3.621	14.80	.2728	.5144	.0337
Stddev	.014	.025	.04	.0007	.0022	.0002
%RSD	.9737	.6803	.2598	.2735	.4207	.5737

#1	1.412	3.643	14.84	.2735	.5156	.0336
#2	1.385	3.594	14.78	.2720	.5120	.0337
#3	1.403	3.626	14.78	.2730	.5158	.0340

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	.0503	.0702	.4323	1.018	.1797	.5258
Stddev	.0001	.0002	.0017	.009	.0007	.0010
%RSD	.2578	.3319	.3991	.9370	.4030	.1833

#1	.0501	.0701	.4339	1.025	.1789	.5250
#2	.0504	.0701	.4304	1.007	.1802	.5269
#3	.0504	.0705	.4325	1.021	.1800	.5256

Sample Name: CAL4 Acquired: 2/27/2016 11:55:25 Type: Cal
Method: BC021416(v7) 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	.0884	24.22	4.746	.1105
Stddev	.0004	.07	.009	.0015
%RSD	.4671	.2693	.1985	1.383

#1	.0886	24.15	4.754	.1087
#2	.0879	24.24	4.736	.1113
#3	.0886	24.27	4.748	.1114

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9252.8	51149.	9958.8
Stddev	105.6	969.	259.6
%RSD	1.1409	1.8945	2.6070

#1	9150.1	50131.	9664.0
#2	9361.1	52061.	10153.
#3	9247.1	51255.	10059.

Sample Name: CAL5 Acquired: 2/27/2016 11:58:53 Type: Cal
Method: BC021416(v7) 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	6.615	.1264	.3529	6.162	2.905	3.763
Stddev	.048	.0001	.0008	.018	.020	.029
%RSD	.7237	.1185	.2133	.2879	.6734	.7756

#1	6.569	.1265	.3521	6.160	2.887	3.729
#2	6.613	.1264	.3533	6.181	2.901	3.781
#3	6.665	.1262	.3535	6.145	2.926	3.778

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	1.908	2.131	.8073	5.368	1.405	2.503
Stddev	.006	.006	.0049	.007	.007	.019
%RSD	.3203	.2700	.6049	.1322	.5176	.7727

#1	1.904	2.130	.8017	5.367	1.397	2.485
#2	1.915	2.137	.8107	5.376	1.411	2.500
#3	1.904	2.126	.8095	5.362	1.407	2.523

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	2.831	7.009	29.28	.5325	1.007	.0680
Stddev	.023	.048	.07	.0016	.003	.0003
%RSD	.8075	.6884	.2305	.2943	.3170	.3869

#1	2.805	6.971	29.33	.5319	1.004	.0683
#2	2.845	6.993	29.20	.5343	1.010	.0680
#3	2.843	7.064	29.31	.5314	1.007	.0678

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	.1006	.1361	.8651	1.987	.3586	1.044
Stddev	.0004	.0005	.0026	.015	.0006	.002
%RSD	.3979	.3646	.2956	.7689	.1574	.2083

#1	.1010	.1355	.8622	1.971	.3585	1.044
#2	.1007	.1365	.8672	2.002	.3593	1.045
#3	.1002	.1362	.8657	1.989	.3581	1.041

Sample Name: CAL5 Acquired: 2/27/2016 11:58:53 Type: Cal
Method: BC021416(v7) 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	.1748	46.76	9.293	.2211
Stddev	.0009	1.17	.142	.0049
%RSD	.4865	2.492	1.525	2.212

#1	.1741	46.22	9.129	.2234
#2	.1757	45.97	9.383	.2245
#3	.1744	48.10	9.367	.2155

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8887.8	49011.	9585.7
Stddev	53.5	385.	321.5
%RSD	.60150	.78628	3.3544

#1	8944.1	49447.	9840.1
#2	8837.8	48868.	9692.6
#3	8881.4	48718.	9224.3

Sample Name: ICV Acquired: 2/27/2016 12:02:48 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124700.	2508.	1240.	10110.	1014.	126700.
Stddev	782.	9.	1.	6.	6.	916.
%RSD	.6273	.3411	.0879	.0582	.6012	.7234

#1	125100.	2512.	1240.	10100.	1017.	127100.
#2	123800.	2498.	1239.	10110.	1007.	125600.
#3	125200.	2513.	1242.	10110.	1018.	127300.

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	1263.	2514.	5059.	12420.	101800.	50070.
Stddev	6.	4.	26.	35.	538.	261.
%RSD	.4489	.1616	.5054	.2858	.5292	.5213

#1	1257.	2509.	5071.	12410.	102000.	50190.
#2	1267.	2515.	5030.	12450.	101100.	49780.
#3	1266.	2517.	5078.	12380.	102100.	50260.

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	126300.	5140.	125300.	2526.	7585.	987.0
Stddev	809.	23.	861.	10.	27.	6.7
%RSD	.6409	.4459	.6870	.3873	.3570	.6803

#1	126700.	5150.	125900.	2515.	7554.	992.6
#2	125300.	5114.	124300.	2534.	7605.	979.5
#3	126700.	5157.	125600.	2530.	7596.	988.9

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

Sample Name: ICV Acquired: 2/27/2016 12:02:48 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2496.	2551.	2503.	2543.	1003.	2485.
Stddev	11.	9.	4.	28.	4.	4.
%RSD	.4556	.3663	.1494	1.082	.4141	.1643

#1	2492.	2543.	2504.	2511.	1006.	2490.
#2	2487.	2561.	2499.	2564.	998.0	2483.
#3	2508.	2550.	2506.	2553.	1004.	2483.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1007.	5105.	10160.	9850.
Stddev	3.	4.	11.	420.
%RSD	.3251	.0805	.1130	4.266

#1	1003.	5105.	10170.	9533.
#2	1009.	5109.	10150.	10330.
#3	1009.	5100.	10170.	9691.

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	9279.2	50734.	9873.4
Stddev	94.9	460.	414.4
%RSD	1.0231	.90680	4.1969

#1	9384.0	50462.	9628.6
#2	9198.9	51265.	10352.
#3	9254.7	50474.	9639.7

Sample Name: ICB Acquired: 2/27/2016 12:06:17 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.727	2.853	-6.178	.2089	.0790	-8.000
Stddev	8.972	1.750	.2685	.1617	.0471	1.604
%RSD	116.1	61.33	43.46	77.38	59.70	20.05
#1	17.88	4.730	-.5574	.3833	.0308	-7.552
#2	.8805	2.563	-.3846	.0642	.0810	-6.668
#3	4.417	1.266	-.9113	.1792	.1251	-9.781

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0516	.1235	.6110	.4205	16.85	110.2
Stddev	.0320	.0891	.3751	.6825	4.65	13.9
%RSD	62.07	72.15	61.39	162.3	27.59	12.64
#1	.0687	.1239	.6039	1.184	12.88	121.6
#2	.0715	.2124	.2395	.2061	15.70	114.4
#3	.0147	.0342	.9897	-.1291	21.96	94.69

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.897	.2184	68.80	-.1130	.7650	1.842
Stddev	1.515	.1478	26.81	.2991	.4100	1.509
%RSD	79.86	67.69	38.96	264.6	53.59	81.89
#1	1.367	.3889	98.13	.0856	1.217	.1168
#2	.7187	.1395	62.72	.0323	.6598	2.498
#3	3.606	.1268	45.56	-.4570	.4179	2.913

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

Sample Name: ICB Acquired: 2/27/2016 12:06:17 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.621	1.671	-1.1044	.0848	3.482	2.361
Stddev	1.839	.857	.2450	.0729	.776	.138
%RSD	70.15	51.33	234.7	85.94	22.30	5.851
#1	1.069	1.109	-.2677	.0044	4.307	2.202
#2	4.652	2.658	.1773	.1035	3.374	2.436
#3	2.143	1.246	-.2228	.1465	2.765	2.445

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2295	.1732	1.646	19.33
Stddev	.3510	.1359	.360	4.17
%RSD	153.0	78.46	21.89	21.56
#1	-.1608	.3189	1.309	19.27
#2	.0821	.1509	1.604	15.19
#3	-.6097	.0498	2.026	23.53

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9801.9	54678.	10215.
Stddev	82.4	698.	132.
%RSD	.84077	1.2772	1.2960
#1	9811.6	55115.	10312.
#2	9879.1	55046.	10064.
#3	9715.1	53872.	10270.

Sample Name: ICVL Acquired: 2/27/2016 12:10:12 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	188.7	15.13	8.757	187.4	1.869	4590.
Stddev	9.3	.70	.750	.8	.080	34.
%RSD	4.952	4.597	8.565	.4438	4.288	.7298

#1	193.8	15.25	9.177	188.0	1.959	4557.
#2	194.3	15.76	9.202	187.7	1.838	4591.
#3	177.9	14.38	7.891	186.5	1.808	4624.

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	3.833	47.15	10.18	22.12	158.6	4478.
Stddev	.071	.18	.41	.31	7.9	16.
%RSD	1.861	.3763	3.998	1.419	4.966	.3483

#1	3.912	47.08	9.835	21.85	153.1	4495.
#2	3.815	47.35	10.63	22.03	167.6	4472.
#3	3.773	47.01	10.08	22.46	155.1	4466.

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	4614.	14.89	4576.	38.35	10.96	17.58
Stddev	39.	.07	17.	.53	.23	2.20
%RSD	.8487	.4713	.3802	1.379	2.062	12.50

#1	4571.	14.82	4565.	38.54	11.03	16.54
#2	4623.	14.91	4596.	37.76	10.71	20.10
#3	4648.	14.95	4568.	38.77	11.14	16.09

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

Sample Name: ICVL Acquired: 2/27/2016 12:10:12 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.98	19.87	45.79	29.74	44.87	17.67
Stddev	3.01	.56	.28	.35	.56	.38
%RSD	15.84	2.837	.6157	1.190	1.248	2.140
#1	15.97	19.24	46.06	29.42	45.10	17.59
#2	18.97	20.33	45.50	29.67	44.24	17.34
#3	21.99	20.04	45.82	30.12	45.29	18.08

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	45.56	18.95	18.77	F 13.33
Stddev	.43	.15	.37	16.70
%RSD	.9341	.7898	1.951	125.3
#1	45.13	18.79	18.49	2.423
#2	45.98	18.98	18.63	32.55
#3	45.57	19.08	19.18	5.014

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	9775.7	53167.	9963.2
Stddev	79.1	431.	91.7
%RSD	.80894	.81060	.92048
#1	9847.5	53618.	10068.
#2	9788.6	53123.	9925.2
#3	9691.0	52759.	9896.6

Sample Name: IC5A 4154113 Acquired: 2/27/2016 12:14:02 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497900.	-1.979	-2.914	-5990	-1.1068	497800.
Stddev	387.	.858	.136	.1492	.2490	511.
%RSD	.0778	43.33	4.676	24.90	233.1	.1027

#1	497800.	-1.030	-3.037	-.7666	-.2757	498300.
#2	497700.	-2.699	-2.937	-.5495	.1791	497300.
#3	498400.	-2.210	-2.767	-.4808	-.2239	498000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1125	-3.082	-1.169	-2.179	195900.	21.05
Stddev	.3831	.107	.500	.263	460.	12.81
%RSD	340.4	3.466	42.80	12.05	.2348	60.86

#1	.4299	-3.018	-1.436	-2.303	196500.	7.597
#2	.2207	-3.023	-.5917	-1.878	195800.	33.11
#3	-.3130	-3.205	-1.479	-2.357	195600.	22.45

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	510300.	-.9650	26.69	-1.1356	-1.516	-1.565
Stddev	1852.	.0769	11.77	.5736	1.128	3.136
%RSD	.3629	7.974	44.09	422.9	74.45	200.4

#1	512100.	-.8881	13.19	.1949	-.8090	1.395
#2	510400.	-.9648	34.80	-.7979	-2.817	-4.851
#3	508400.	-1.042	32.07	.1962	-.9209	-1.238

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

Sample Name: IC5A 4154113 Acquired: 2/27/2016 12:14:02 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.297	-1.212	-1.991	-1.774	-4.931	.8826
Stddev	2.757	1.092	.145	.394	.190	.4134
%RSD	212.6	90.09	7.304	22.18	3.859	46.84
#1	2.743	-.5551	-2.035	-1.569	-4.720	1.251
#2	3.031	-2.473	-1.829	-1.526	-4.984	.4357
#3	-1.882	-.6085	-2.109	-2.228	-5.090	.9607

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.801	-1.009	-2.502	-3.876
Stddev	1.451	.052	.191	14.80
%RSD	80.53	5.191	7.638	381.8
#1	-3.121	-.9703	-2.696	12.19
#2	-2.036	-.9875	-2.498	-6.880
#3	-.2479	-1.068	-2.314	-16.94

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8850.5	47865.	9589.6
Stddev	40.4	261.	160.7
%RSD	.45641	.54578	1.6756
#1	8807.5	47584.	9497.9
#2	8887.7	48101.	9775.2
#3	8856.1	47909.	9495.8

Sample Name: ICSAB 4154119 Acquired: 2/27/2016 12:18:08 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	494700.	96.66	101.5	101.7	99.40	487700.
Stddev	825.	1.44	.4	.3	.61	1251.
%RSD	.1667	1.485	.3959	.3240	.6098	.2565

#1	495600.	95.82	101.9	102.1	100.1	487400.
#2	494200.	98.32	101.5	101.4	99.17	486700.
#3	494200.	95.84	101.1	101.6	98.95	489100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.09	94.81	99.02	104.1	193300.	10160.
Stddev	.19	.39	1.03	.1	847.	42.
%RSD	.1958	.4079	1.038	.1108	.4380	.4137

#1	98.29	94.37	99.91	104.2	194300.	10120.
#2	98.08	94.95	97.90	104.1	192800.	10150.
#3	97.90	95.10	99.26	104.0	192900.	10200.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	501000.	102.5	10390.	99.37	99.87	99.12
Stddev	989.	.2	22.	.65	1.54	2.05
%RSD	.1975	.1857	.2129	.6501	1.544	2.064

#1	501700.	102.7	10400.	99.37	100.3	96.95
#2	499900.	102.3	10370.	100.0	98.17	101.0
#3	501500.	102.4	10410.	98.73	101.2	99.41

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

Sample Name: ICSAB 4154119 Acquired: 2/27/2016 12:18:08 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99.16	97.18	98.03	96.70	96.26	95.68
Stddev	5.79	1.58	.55	.14	1.08	.54
%RSD	5.834	1.626	.5626	.1415	1.117	.5641
#1	96.11	98.46	98.60	96.73	95.21	95.95
#2	95.53	95.41	98.00	96.82	97.36	96.04
#3	105.8	97.66	97.50	96.55	96.21	95.06

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	96.43	101.7	100.8	78.55
Stddev	.87	.4	.5	7.76
%RSD	.9029	.4067	.4541	9.878
#1	95.44	101.3	101.3	84.74
#2	96.73	101.7	100.7	81.07
#3	97.10	102.1	100.3	69.84

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8935.3	49011.	9590.6
Stddev	2.5	206.	126.7
%RSD	.02782	.42094	1.3211
#1	8937.2	48859.	9473.9
#2	8936.2	49246.	9572.6
#3	8932.5	48928.	9725.4

Sample Name: INT10-A 4154117 Acquired: 2/27/2016 12:22:03 Type: QC

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66.49	5.710	-2.245	2.544	2.700	4.878
Stddev	19.88	2.129	.525	.110	.106	5.362
%RSD	29.89	37.29	23.40	4.338	3.920	109.9

#1	65.01	6.158	-1.662	2.452	2.607	10.94
#2	87.06	7.579	-2.681	2.666	2.815	2.938
#3	47.39	3.392	-2.392	2.515	2.678	.7557

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4496	10340.	.7411	-.5048	3.896	30.18
Stddev	.1445	19.	.3524	.3108	8.388	35.24
%RSD	32.13	.1855	47.55	61.58	215.3	116.7

#1	-.3989	10350.	1.132	-.5882	-3.286	66.55
#2	-.6126	10340.	.4470	-.1608	13.11	-3.796
#3	-.3373	10310.	.6447	-.7655	1.860	27.80

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6030	.0637	120.6	-3.476	-3.647	-13.78
Stddev	4.482	.0769	3.8	.405	1.302	2.92
%RSD	743.2	120.8	3.146	11.64	35.71	21.23

#1	3.834	.0468	117.1	-3.630	-4.241	-14.21
#2	-5.128	.1477	120.1	-3.781	-2.153	-10.66
#3	-.5145	-.0035	124.7	-3.017	-4.546	-16.47

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

Sample Name: INT10-A 4154117 Acquired: 2/27/2016 12:22:03 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.265	-10.30	4952.	1.067	7.207	-1.270
Stddev	.852	1.03	2.	.135	.324	.224
%RSD	16.18	10.05	.0491	12.65	4.490	17.64
#1	-6.014	-9.105	4954.	1.041	7.579	-1.498
#2	-5.444	-10.83	4950.	.9475	6.991	-1.263
#3	-4.338	-10.96	4951.	1.214	7.052	-1.050

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	10120.	9854.	-.1293	10640.
Stddev	22.	243.	.4971	133.
%RSD	.2132	2.468	384.4	1.252
#1	10130.	10030.	-.5154	10530.
#2	10130.	9576.	-.3040	10620.
#3	10090.	9960.	.4315	10790.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9805.9	54144.	10071.
Stddev	45.0	443.	49.
%RSD	.45893	.81892	.48865
#1	9755.2	53674.	10090.
#2	9840.9	54555.	10108.
#3	9821.7	54203.	10016.

Sample Name: INT10-B 4154119 Acquired: 2/27/2016 12:26:01 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.479	-13.36	-.2207	-.4217	1.645	-44.40
Stddev	12.52	1.61	.4193	.0972	.175	2.82
%RSD	505.2	12.08	190.0	23.05	10.67	6.353
#1	10.82	-12.44	-.3416	-.3114	1.597	-47.64
#2	-4.221	-15.22	-.5662	-.4949	1.499	-42.51
#3	-14.04	-12.41	.2458	-.4589	1.840	-43.04

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4152	-3.364	10150.	9707.	-7.785	-28.43
Stddev	.0974	.295	13.	17.	3.421	18.15
%RSD	23.47	8.776	.1290	.1763	43.94	63.85
#1	-.4980	-3.029	10150.	9718.	-9.683	-8.500
#2	-.3078	-3.477	10170.	9715.	-3.836	-32.78
#3	-.4398	-3.587	10140.	9687.	-9.835	-44.02

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.44	10250.	31.69	10510.	-10.88	-14.40
Stddev	3.13	5.	1.40	21.	.40	3.35
%RSD	20.24	.0484	4.412	.1997	3.706	23.29
#1	-18.32	10250.	31.79	10530.	-11.26	-10.65
#2	-12.12	10250.	33.03	10520.	-10.46	-15.46
#3	-15.89	10260.	30.24	10490.	-10.93	-17.10

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

Sample Name: INT10-B 4154119 Acquired: 2/27/2016 12:26:01 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.116	-6.396	5.670	-3.001	25.25	4836.
Stddev	2.242	1.633	.689	.424	.70	20.
%RSD	200.8	25.52	12.15	14.13	2.792	.4038
#1	-3.599	-5.277	6.465	-3.341	24.44	4849.
#2	.7606	-5.642	5.301	-2.526	25.55	4846.
#3	-.5106	-8.270	5.245	-3.137	25.75	4814.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-12.39	.2445	9923.	-13.71
Stddev	.64	.1434	20.	28.11
%RSD	5.123	58.63	.1986	205.0
#1	-11.69	.3091	9935.	-42.83
#2	-12.58	.3442	9934.	-11.56
#3	-12.91	.0802	9900.	13.26

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9615.2	53824.	9929.1
Stddev	29.6	80.	232.5
%RSD	.30813	.14904	2.3416
#1	9617.9	53913.	10073.
#2	9643.4	53758.	9660.9
#3	9584.4	53800.	10053.

Sample Name: pds 460-109370-c-1-b Acquired: 2/27/2016 12:29:57 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35080.	1920.	49.75	2312.	54.30	25570.
Stddev	110.	7.	.33	3.	.35	162.
%RSD	.3137	.3448	.6728	.1223	.6506	.6326

#1	35050.	1927.	50.10	2314.	54.04	25470.
#2	34980.	1913.	49.43	2314.	54.15	25480.
#3	35200.	1920.	49.73	2309.	54.70	25760.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.15	529.6	260.7	337.3	53610.	19750.
Stddev	.05	.8	1.3	1.2	262.	64.
%RSD	.1042	.1441	.4981	.3630	.4891	.3262

#1	49.09	528.9	259.5	338.5	53460.	19690.
#2	49.14	530.4	260.5	337.2	53450.	19750.
#3	49.20	529.5	262.1	336.0	53910.	19810.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29600.	2401.	21870.	562.5	600.8	472.1
Stddev	173.	10.	41.	1.5	2.3	3.9
%RSD	.5826	.4098	.1879	.2739	.3898	.8307

#1	29570.	2399.	21830.	564.3	601.3	476.4
#2	29450.	2393.	21870.	561.7	598.2	468.7
#3	29790.	2412.	21910.	561.5	602.8	471.3

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

Sample Name: pds 460-109370-c-1-b Acquired: 2/27/2016 12:29:57 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1881.	2049.	554.1	705.3	484.8	476.9
Stddev	15.	11.	1.8	2.9	2.8	2.5
%RSD	.7714	.5394	.3200	.4072	.5853	.5260
#1	1895.	2056.	553.2	702.1	487.7	479.6
#2	1866.	2036.	552.9	707.5	482.0	474.6
#3	1882.	2054.	556.2	706.4	484.7	476.6

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	506.8	537.2	938.7	1139.
Stddev	2.1	.9	1.0	13.
%RSD	.4084	.1644	.1015	1.150
#1	507.5	538.1	938.9	1133.
#2	504.5	536.9	937.7	1154.
#3	508.5	536.4	939.6	1130.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9664.6	53093.	9878.9
Stddev	17.0	457.	121.4
%RSD	.17555	.86097	1.2286
#1	9668.0	52847.	9852.7
#2	9646.2	53621.	10011.
#3	9679.6	52812.	9772.7

Sample Name: 460-109370-c-1-d.ms Acquired: 2/27/2016 12:33:28 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53720.	986.9	21.92	1400.	29.60	16250.
Stddev	275.	4.8	.37	.	.07	214.
%RSD	.5125	.4840	1.704	.0131	.2511	1.317
#1	53830.	989.2	21.95	1400.	29.54	16290.
#2	53920.	990.2	21.53	1400.	29.58	16430.
#3	53410.	981.4	22.28	1400.	29.69	16010.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.77	280.9	154.1	221.4	56730.	11310.
Stddev	.47	2.2	1.9	.8	539.	137.
%RSD	1.917	.7906	1.223	.3747	.9505	1.211
#1	24.66	280.2	153.6	221.7	56860.	11380.
#2	25.30	283.4	156.1	220.4	57190.	11410.
#3	24.37	279.2	152.5	222.0	56140.	11160.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18450.	2300.	12150.	303.5	378.7	96.85
Stddev	256.	18.	42.	2.8	2.4	2.68
%RSD	1.387	.7827	.3493	.9354	.6211	2.765
#1	18490.	2301.	12180.	302.7	376.1	99.77
#2	18680.	2318.	12170.	306.6	380.7	94.52
#3	18170.	2282.	12100.	301.1	379.2	96.25

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

Sample Name: 460-109370-c-1-d.ms Acquired: 2/27/2016 12:33:28 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	943.5	1031.	317.7	464.7	238.5	235.8
Stddev	5.0	2.	1.6	3.3	.5	1.1
%RSD	.5319	.2259	.5070	.7067	.2155	.4461

#1	943.4	1032.	318.5	463.9	238.7	235.8
#2	948.5	1033.	318.9	468.3	238.8	234.7
#3	938.5	1028.	315.9	461.8	237.9	236.8

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	239.1	294.1	840.8	1790.
Stddev	.5	.2	.7	45.
%RSD	.2272	.0608	.0845	2.508

#1	239.5	294.0	840.0	1743.
#2	239.4	294.0	841.5	1795.
#3	238.5	294.3	840.8	1832.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9866.2	54260.	10124.
Stddev	70.2	1064.	354.
%RSD	.71163	1.9607	3.4968

#1	9842.1	53872.	9923.3
#2	9811.3	53445.	9916.1
#3	9945.3	55464.	10533.

Sample Name: 460-109370-c-1-c du Acquired: 2/27/2016 12:37:04 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37740.	63.79	-1.492	417.9	4.358	5734.
Stddev	115.	.85	.373	1.5	.210	17.
%RSD	.3040	1.334	24.97	.3582	4.812	.2964
#1	37740.	63.67	-1.909	416.4	4.371	5734.
#2	37850.	64.69	-1.193	419.4	4.561	5751.
#3	37620.	63.00	-1.373	418.0	4.142	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	-.2846	34.03	48.99	114.3	57000.	1963.
Stddev	.1339	.10	.20	.6	160.	9.
%RSD	47.05	.2846	.4019	.5427	.2798	.4600
#1	-.1588	34.02	49.06	114.4	57100.	1972.
#2	-.4253	34.14	49.13	113.6	57070.	1954.
#3	-.2697	33.94	48.76	114.9	56810.	1962.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8489.	2283.	2576.	50.94	192.1	2.329
Stddev	54.	5.	10.	.91	1.6	1.852
%RSD	.6320	.2408	.3896	1.794	.8135	79.52
#1	8517.	2286.	2570.	50.03	192.5	1.602
#2	8522.	2287.	2588.	50.93	193.3	4.435
#3	8427.	2277.	2571.	51.85	190.3	.9513

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

Sample Name: 460-109370-c-1-c du Acquired: 2/27/2016 12:37:04 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3874	-.5732	61.04	232.7	3.421	1.410
Stddev	3.483	.1989	.36	1.3	.396	.363
%RSD	899.1	34.71	.5858	.5369	11.57	25.77
#1	-4.046	-.3723	61.36	233.3	3.074	1.042
#2	-.0060	-.5772	60.65	233.6	3.852	1.769
#3	2.889	-.7701	61.11	231.3	3.336	1.419

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.369	42.53	461.3	1101.
Stddev	.620	.07	.2	26.
%RSD	14.18	.1532	.0445	2.326
#1	5.080	42.59	461.6	1081.
#2	3.943	42.54	461.2	1093.
#3	4.085	42.46	461.2	1130.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9893.4	54169.	10074.
Stddev	61.4	300.	284.
%RSD	.62016	.55418	2.8173
#1	9842.2	53941.	9898.2
#2	9876.7	54057.	9921.7
#3	9961.4	54509.	10401.

Sample Name: 460-109370-c-1-b@4 Acquired: 2/27/2016 12:40:47 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33320.	23.66	-1.358	347.6	3.746	6084.
Stddev	17.	3.34	.097	.3	.103	13.
%RSD	.0518	14.11	7.132	.1006	2.757	.2102

#1	33330.	22.34	-1.288	347.6	3.840	6096.
#2	33310.	27.46	-1.469	347.9	3.635	6085.
#3	33300.	21.20	-1.317	347.2	3.762	6071.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3615	35.00	55.55	93.72	52900.	1803.
Stddev	.1219	.62	.45	.57	66.	30.
%RSD	33.70	1.777	.8166	.6047	.1251	1.656

#1	-.2571	34.28	56.01	94.34	52950.	1821.
#2	-.4954	35.41	55.10	93.59	52930.	1768.
#3	-.3320	35.30	55.54	93.23	52830.	1819.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10610.	1914.	2276.	58.78	102.3	1.213
Stddev	45.	2.	14.	.34	1.7	.861
%RSD	.4236	.1078	.6317	.5810	1.670	70.98

#1	10640.	1915.	2265.	59.02	101.6	1.032
#2	10640.	1916.	2271.	58.92	104.3	.4566
#3	10560.	1912.	2292.	58.39	101.1	2.150

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

Sample Name: 460-109370-c-1-b@4 Acquired: 2/27/2016 12:40:47 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.640	.5678	58.63	201.5	2.998	.4528
Stddev	3.535	.6205	.28	1.5	.653	.4017
%RSD	215.5	109.3	.4860	.7463	21.77	88.71
#1	-1.744	.5755	58.95	200.4	3.564	.6974
#2	1.356	-.0565	58.40	203.2	3.145	-.0108
#3	5.308	1.184	58.56	200.9	2.284	.6718

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.299	40.02	435.9	1063.
Stddev	.332	.12	1.2	20.
%RSD	7.732	.3057	.2727	1.875
#1	4.514	39.97	437.1	1050.
#2	3.916	40.15	435.8	1086.
#3	4.466	39.92	434.7	1053.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9848.9	54356.	10053.
Stddev	58.7	314.	59.
%RSD	.59549	.57848	.58555
#1	9845.4	54018.	9985.5
#2	9792.1	54411.	10095.
#3	9909.3	54640.	10078.

Sample Name: sd 460-109370-c-1-b Acquired: 2/27/2016 12:44:30 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6538.	5.316	-.1827	67.73	.6940	1177.
Stddev	59.	2.417	.1230	.19	.0715	2.
%RSD	.8993	45.47	67.32	.2877	10.30	.2068
#1	6471.	7.606	-.0976	67.85	.6421	1175.
#2	6561.	5.553	-.1268	67.51	.6643	1178.
#3	6581.	2.789	-.3238	67.84	.7755	1179.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0973	6.951	11.71	18.00	10680.	357.5
Stddev	.1842	.182	.32	.42	30.	30.9
%RSD	189.3	2.613	2.746	2.336	.2808	8.652
#1	-.2055	6.788	11.84	18.29	10650.	338.2
#2	-.2019	7.147	11.94	18.18	10710.	393.2
#3	.1154	6.919	11.34	17.52	10660.	341.1

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	2121.	379.1	452.4	11.56	20.50	.6054
Stddev	9.	1.0	5.2	.72	.56	.9398
%RSD	.4028	.2582	1.153	6.257	2.726	155.2
#1	2117.	378.2	450.6	10.91	20.51	1.565
#2	2130.	380.1	458.3	11.43	21.05	.5644
#3	2114.	379.1	448.3	12.34	19.94	-.3132

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

Sample Name: sd 460-109370-c-1-b Acquired: 2/27/2016 12:44:30 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1308	.4405	11.73	40.01	.5079	-.1947
Stddev	4.652	1.738	.15	.13	.3300	.5844
%RSD	3557.	394.6	1.285	.3356	64.97	300.2
#1	4.959	2.371	11.77	39.96	.8890	-.8537
#2	-.2440	-.0501	11.57	40.16	.3167	.2603
#3	-4.323	-.9997	11.86	39.91	.3181	.0094

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4397	7.882	86.04	226.0
Stddev	.2702	.033	.33	18.8
%RSD	61.45	.4230	.3852	8.338
#1	.6736	7.896	86.25	224.1
#2	.1440	7.844	86.21	208.2
#3	.5014	7.906	85.66	245.8

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	9820.2	54976.	10222.
Stddev	17.7	338.	365.
%RSD	.18047	.61519	3.5690
#1	9826.9	55140.	10642.
#2	9800.2	54587.	10030.
#3	9833.7	55202.	9992.4

Sample Name: lcssrm 460-352810/2- Acquired: 2/27/2016 12:48:20 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35090.	480.6	185.9	1563.	332.7	32170.
Stddev	127.	4.3	.9	4.	1.8	253.
%RSD	.3607	.8920	.5067	.2374	.5426	.7856

#1	35050.	485.5	184.8	1561.	331.1	31890.
#2	34980.	477.6	186.3	1567.	332.3	32280.
#3	35230.	478.7	186.5	1560.	334.7	32360.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	752.8	838.5	918.1	516.8	69520.	11700.
Stddev	2.6	2.5	5.1	3.1	468.	8.
%RSD	.3393	.2948	.5594	.5948	.6728	.0694

#1	751.0	838.4	912.2	518.2	68980.	11700.
#2	755.7	841.0	921.6	519.0	69790.	11710.
#3	751.7	836.1	920.5	513.3	69780.	11710.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12280.	2093.	12820.	793.4	651.7	289.3
Stddev	90.	9.	24.	1.9	2.6	1.5
%RSD	.7362	.4221	.1853	.2422	.4004	.5133

#1	12180.	2082.	12800.	791.7	650.6	290.8
#2	12310.	2098.	12810.	795.5	654.7	287.9
#3	12350.	2098.	12850.	793.0	649.8	289.1

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

Sample Name: lcssrm 460-352810/2- Acquired: 2/27/2016 12:48:20 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	746.2	950.7	475.9	987.7	665.3	793.9
Stddev	3.6	7.0	1.7	7.6	1.9	2.1
%RSD	.4869	.7391	.3573	.7741	.2801	.2585
#1	750.0	953.0	474.6	979.2	667.1	794.7
#2	746.0	956.3	477.8	993.8	665.3	795.4
#3	742.7	942.8	475.3	990.3	663.4	791.6

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	507.1	434.3	1944.	1656.
Stddev	2.1	1.0	6.	24.
%RSD	.4211	.2205	.3146	1.431
#1	505.0	435.2	1941.	1642.
#2	509.2	434.3	1951.	1683.
#3	507.0	433.3	1939.	1642.

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	9690.5	53321.	9961.2
Stddev	47.8	262.	155.6
%RSD	.49353	.49164	1.5618
#1	9743.8	53559.	9942.0
#2	9651.5	53364.	10126.
#3	9676.0	53040.	9816.2

Sample Name: CCV Acquired: 2/27/2016 12:51:56 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125800.	2533.	1252.	10180.	1023.	128600.
Stddev	110.	9.	3.	5.	3.	627.
%RSD	.0874	.3582	.2677	.0516	.3146	.4873

#1	125800.	2541.	1252.	10180.	1022.	128700.
#2	126000.	2523.	1255.	10180.	1027.	129200.
#3	125800.	2534.	1249.	10190.	1021.	128000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1279.	2544.	5130.	12530.	103200.	50520.
Stddev	2.	1.	22.	16.	351.	85.
%RSD	.1442	.0215	.4358	.1290	.3402	.1673

#1	1280.	2544.	5131.	12520.	103300.	50430.
#2	1280.	2544.	5152.	12550.	103500.	50580.
#3	1277.	2545.	5107.	12530.	102800.	50570.

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	127500.	5214.	127700.	2560.	7686.	997.0
Stddev	752.	15.	324.	.	6.	2.1
%RSD	.5894	.2889	.2539	.0152	.0810	.2094

#1	127600.	5215.	127900.	2560.	7692.	999.3
#2	128200.	5228.	127800.	2560.	7687.	995.1
#3	126700.	5198.	127300.	2559.	7680.	996.7

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

Sample Name: CCV Acquired: 2/27/2016 12:51:56 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2534.	2583.	2536.	2593.	1004.	2500.
Stddev	5.	6.	9.	11.	2.	1.
%RSD	.2132	.2463	.3476	.4107	.2484	.0304

#1	2533.	2577.	2539.	2596.	1002.	2501.
#2	2540.	2590.	2543.	2602.	1005.	2500.
#3	2529.	2583.	2526.	2582.	1007.	2500.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1020.	5116.	10270.	9718.
Stddev	3.	6.	10.	123.
%RSD	.2711	.1185	.0985	1.270

#1	1020.	5109.	10270.	9581.
#2	1023.	5121.	10280.	9820.
#3	1017.	5116.	10260.	9753.

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	9158.9	50054.	9564.4
Stddev	35.1	275.	87.0
%RSD	.38321	.54904	.90948

#1	9165.8	50036.	9464.1
#2	9120.9	49789.	9619.0
#3	9190.1	50338.	9610.2

Sample Name: CCB Acquired: 2/27/2016 12:55:23 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.042	2.763	-.1444	.0735	-.0948	-17.90
Stddev	4.696	.798	.5482	.2399	.0403	4.40
%RSD	230.0	28.89	379.6	326.4	42.47	24.55

#1	-2.432	3.676	-.7333	.2957	-.1413	-22.98
#2	2.837	2.410	-.0510	.1055	-.0701	-15.21
#3	-6.531	2.201	.3511	-.1808	-.0731	-15.53

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0020	-.0967	.2965	-.0792	8.364	58.27
Stddev	.0549	.1711	.8275	.1176	3.929	26.64
%RSD	2796.	176.9	279.0	148.6	46.97	45.71

#1	-.0647	.0743	-.0187	.0320	7.654	32.31
#2	.0372	-.0966	-.3270	-.2023	4.839	56.97
#3	.0217	-.2679	1.235	-.0672	12.60	85.54

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.710	.1322	35.70	-.2870	.3287	.6451
Stddev	4.035	.0688	14.79	.6355	.9494	.4281
%RSD	85.66	52.02	41.42	221.4	288.8	66.36

#1	9.302	.1939	52.65	-.8235	1.305	1.124
#2	3.095	.1447	28.95	-.4523	-.5917	.2993
#3	1.734	.0580	25.49	.4148	.2732	.5120

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

Sample Name: CCB Acquired: 2/27/2016 12:55:23 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.864	-.3876	.0983	.1503	2.522	1.702
Stddev	1.321	1.370	.3966	.0404	1.087	.267
%RSD	22.53	353.5	403.4	26.88	43.10	15.66
#1	6.794	-1.521	-.0631	.1333	3.754	1.992
#2	6.447	-.7768	.5502	.1964	2.112	1.648
#3	4.352	1.135	-.1921	.1212	1.699	1.467

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3200	.0983	1.020	8.347
Stddev	.8632	.0521	.197	17.64
%RSD	269.8	52.97	19.35	211.3
#1	.4030	.0697	.8098	25.03
#2	-1.276	.0669	1.202	10.12
#3	-.0872	.1584	1.048	-10.11

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	9649.5	52876.	9638.7
Stddev	51.9	106.	221.8
%RSD	.53779	.20137	2.3006
#1	9609.6	52912.	9451.2
#2	9630.8	52756.	9581.5
#3	9708.2	52959.	9883.5

Sample Name: CCVL Acquired: 2/27/2016 12:59:18 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	186.4	16.90	8.539	188.1	1.823	4613.
Stddev	10.1	1.23	.185	.8	.138	34.
%RSD	5.389	7.258	2.166	.4164	7.545	.7268

#1	175.5	16.68	8.515	188.3	1.714	4631.
#2	195.3	15.79	8.367	187.3	1.778	4575.
#3	188.5	18.22	8.735	188.8	1.978	4634.

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	3.818	47.52	10.22	21.89	161.6	4512.
Stddev	.252	.09	.48	.31	5.9	38.
%RSD	6.596	.1890	4.661	1.421	3.668	.8530

#1	4.104	47.51	9.905	21.70	157.9	4470.
#2	3.717	47.61	10.77	21.72	168.5	4545.
#3	3.632	47.43	9.982	22.25	158.5	4521.

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	4617.	15.01	4591.	39.11	11.25	17.12
Stddev	41.	.15	15.	.21	.40	1.90
%RSD	.8929	1.002	.3284	.5431	3.590	11.09

#1	4627.	15.00	4604.	38.87	11.38	16.76
#2	4572.	14.86	4574.	39.18	10.80	19.18
#3	4653.	15.16	4593.	39.28	11.57	15.44

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

Sample Name: CCVL Acquired: 2/27/2016 12:59:18 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.78	19.32	46.41	29.89	44.65	17.42
Stddev	4.17	1.78	.19	.19	.65	.79
%RSD	19.12	9.189	.4162	.6420	1.460	4.552
#1	26.40	21.00	46.22	30.01	45.34	16.73
#2	20.67	17.46	46.41	29.99	44.55	17.26
#3	18.29	19.51	46.61	29.67	44.05	18.29

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	45.55	18.84	18.51	F 5.569
Stddev	.16	.07	.13	13.40
%RSD	.3550	.3865	.7111	240.7
#1	45.73	18.76	18.39	11.77
#2	45.46	18.90	18.49	14.75
#3	45.44	18.85	18.65	-9.813

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	9672.1	53113.	9789.8
Stddev	16.8	544.	189.3
%RSD	.17356	1.0245	1.9334
#1	9659.0	52916.	9643.4
#2	9666.3	53729.	10004.
#3	9691.0	52695.	9722.4

Sample Name: mb 460-352810/1-a@2 Acquired: 2/27/2016 13:03:09 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.809	3.073	-.3576	-.0025	-.1996	-9.823
Stddev	12.92	.812	.2554	.2086	.1802	3.916
%RSD	714.6	26.43	71.41	8460.	90.30	39.86
#1	-7.958	2.136	-.2554	-.2155	-.2586	-10.80
#2	16.47	3.513	-.6482	.2013	.0027	-5.511
#3	-3.081	3.571	-.1692	.0068	-.3430	-13.16

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0536	-.1676	-.9761	-.4686	1.102	-7.605
Stddev	.0656	.1854	.7356	.0300	7.512	26.25
%RSD	122.4	110.6	75.36	6.405	681.5	345.1
#1	.0096	-.2615	-.2157	-.4905	6.759	-37.56
#2	-.0490	-.2873	-1.684	-.4344	3.969	11.35
#3	-.1213	.0459	-1.028	-.4810	-7.421	3.401

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.733	.0843	15.08	.3671	-.0974	-.4103
Stddev	1.938	.0284	5.40	.4204	1.109	1.397
%RSD	22.19	33.72	35.81	114.5	1139.	340.4
#1	-8.321	.0833	18.79	.2165	1.086	1.108
#2	-10.84	.0564	17.56	.0428	-.2652	-1.640
#3	-7.035	.1133	8.884	.8421	-1.113	-.6995

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

Sample Name: mb 460-352810/1-a@2 Acquired: 2/27/2016 13:03:09 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.872	2.232	-.0684	-.0099	.9636	-.5233
Stddev	.735	.759	.2809	.1280	.5688	.1163
%RSD	25.59	34.01	410.5	1286.	59.03	22.23
#1	2.870	1.370	.1609	-.1164	.4193	-.5572
#2	2.139	2.527	.0156	-.0455	1.554	-.6189
#3	3.609	2.800	-.3818	.1320	.9173	-.3938

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4348	-.0771	-.9294	13.24
Stddev	.8658	.0299	.0540	5.23
%RSD	199.1	38.81	5.806	39.53
#1	-1.270	-.0525	-.9396	8.898
#2	.4585	-.0684	-.9776	11.77
#3	-.4927	-.1105	-.8711	19.05

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	9579.0	53023.	9500.8
Stddev	45.7	777.	191.5
%RSD	.47662	1.4660	2.0153
#1	9544.4	52158.	9299.6
#2	9630.7	53247.	9680.7
#3	9561.9	53664.	9522.2

Sample Name: 460-109319-a-1-a@4 Acquired: 2/27/2016 13:07:04 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38320.	8.866	-1.706	256.4	3.984	117300.
Stddev	128.	2.577	.312	.8	.197	1656.
%RSD	.3349	29.07	18.30	.3277	4.953	1.411
#1	38240.	6.570	-1.537	256.5	3.875	116600.
#2	38470.	8.373	-1.515	257.2	4.212	119200.
#3	38260.	11.65	-2.067	255.5	3.866	116100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3460	43.64	80.68	61.54	85160.	9542.
Stddev	.1693	.33	1.00	.04	891.	19.
%RSD	48.92	.7642	1.242	.0697	1.047	.1968
#1	-.3721	43.85	80.58	61.51	84800.	9550.
#2	-.5007	43.82	81.73	61.52	86170.	9521.
#3	-.1652	43.26	79.73	61.59	84500.	9556.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29790.	2592.	3858.	97.66	46.72	1.827
Stddev	449.	23.	39.	.07	1.89	1.855
%RSD	1.508	.8917	1.001	.0709	4.037	101.5
#1	29610.	2583.	3860.	97.74	47.15	3.268
#2	30310.	2618.	3896.	97.60	44.66	2.478
#3	29470.	2575.	3818.	97.64	48.35	-.2658

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

Sample Name: 460-109319-a-1-a@4 Acquired: 2/27/2016 13:07:04 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .6833	1.566	97.21	242.6	44.10	.9876
Stddev	2.597	1.844	.71	2.1	.45	.3906
%RSD	380.0	117.8	.7342	.8840	1.023	39.55
#1	-3.405	3.653	97.17	244.4	43.59	1.136
#2	-.4111	.8889	97.95	243.3	44.28	1.282
#3	1.766	.1558	96.52	240.2	44.44	.5445

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.969	151.4	1240.	1210.
Stddev	1.081	.2	4.	17.
%RSD	54.93	.1515	.3408	1.422
#1	.8822	151.2	1240.	1226.
#2	1.979	151.3	1244.	1192.
#3	3.045	151.6	1236.	1211.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9599.3	52983.	9944.6
Stddev	103.8	1021.	166.9
%RSD	1.0817	1.9262	1.6783
#1	9488.1	53134.	9947.5
#2	9616.1	51895.	9776.3
#3	9693.7	53919.	10110.

Sample Name: 460-109374-f-1-a@4 Acquired: 2/27/2016 13:10:48 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33030.	9.413	-1.067	222.9	2.265	13460.
Stddev	109.	2.007	.753	.4	.226	96.
%RSD	.3291	21.32	70.58	.1748	9.972	.7132
#1	32960.	11.35	-1.677	223.0	2.267	13410.
#2	33150.	7.341	-.2254	222.5	2.038	13570.
#3	32980.	9.550	-1.299	223.2	2.490	13400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4206	35.11	127.7	133.0	69540.	8845.
Stddev	.0969	.05	.9	.4	364.	41.
%RSD	23.04	.1332	.7390	.3378	.5231	.4621
#1	-.4383	35.12	128.4	132.9	69320.	8808.
#2	-.5075	35.06	128.2	133.5	69960.	8837.
#3	-.3161	35.15	126.7	132.6	69330.	8889.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27680.	1761.	2577.	237.0	92.26	1.023
Stddev	221.	8.	6.	1.6	.80	.793
%RSD	.7990	.4529	.2458	.6743	.8715	77.52
#1	27500.	1756.	2571.	238.7	91.91	1.283
#2	27930.	1770.	2584.	236.7	93.18	1.654
#3	27620.	1757.	2576.	235.5	91.69	.1326

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

Sample Name: 460-109374-f-1-a@4 Acquired: 2/27/2016 13:10:48 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .8039	1.438	123.8	213.2	9.730	6.858
Stddev	3.722	2.384	.3	1.1	.131	.115
%RSD	463.0	165.8	.2343	.5234	1.344	1.682
#1	-4.567	3.324	123.6	213.6	9.650	6.806
#2	-.7210	2.233	124.1	214.1	9.881	6.990
#3	2.876	-1.242	123.7	212.0	9.660	6.778

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.057	57.57	2057.	761.3
Stddev	.725	.26	1.	21.3
%RSD	10.28	.4467	.0642	2.791
#1	7.879	57.60	2056.	777.2
#2	6.504	57.80	2058.	769.5
#3	6.790	57.29	2057.	737.1

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	9748.9	53210.	9932.7
Stddev	83.8	618.	181.7
%RSD	.85991	1.1614	1.8295
#1	9694.1	53316.	10072.
#2	9707.1	52545.	9727.1
#3	9845.4	53767.	9999.6

Sample Name: 460-109320-a-1-a@4 Acquired: 2/27/2016 13:14:30 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62240.	22.94	-1.848	265.1	3.734	109300.
Stddev	485.	1.72	.573	.1	.118	823.
%RSD	.7796	7.504	30.99	.0372	3.167	.7525

#1	61930.	23.64	-1.195	265.0	3.628	109600.
#2	61990.	24.20	-2.089	265.1	3.862	108400.
#3	62800.	20.98	-2.262	265.2	3.712	110000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1354	33.25	107.1	109.6	100800.	5670.
Stddev	.1164	.18	.3	.3	558.	55.
%RSD	85.93	.5329	.2753	.2429	.5533	.9626

#1	-.1348	33.06	107.2	109.4	101000.	5609.
#2	-.0194	33.30	107.4	109.6	100200.	5685.
#3	-.2521	33.40	106.8	109.9	101200.	5715.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56890.	1313.	1546.	62.99	226.6	1.091
Stddev	320.	6.	9.	.56	.6	3.349
%RSD	.5622	.4885	.5815	.8948	.2541	307.1

#1	57030.	1312.	1546.	63.63	227.2	-2.437
#2	56520.	1307.	1538.	62.61	226.1	1.481
#3	57120.	1319.	1556.	62.71	226.6	4.228

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

Sample Name: 460-109320-a-1-a@4 Acquired: 2/27/2016 13:14:30 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.939	.2094	176.9	261.6	10.17	2.280
Stddev	3.021	1.671	.5	1.3	.08	.325
%RSD	155.8	798.3	.3022	.5112	.7782	14.24
#1	.9769	-1.703	176.3	261.2	10.09	2.177
#2	-1.738	.9376	177.0	260.5	10.18	2.644
#3	-5.054	1.393	177.3	263.1	10.25	2.019

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.249	200.1	2091.	1963.
Stddev	.694	1.0	4.	95.
%RSD	8.413	.4930	.1685	4.814
#1	8.287	199.6	2088.	2021.
#2	7.536	201.2	2090.	2015.
#3	8.923	199.4	2095.	1854.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9584.2	52667.	9929.9
Stddev	38.3	688.	483.4
%RSD	.40010	1.3065	4.8682
#1	9579.6	52131.	9918.1
#2	9624.7	53443.	10419.
#3	9548.4	52428.	9452.5

Sample Name: 460-109321-a-1-a@4 Acquired: 2/27/2016 13:18:13 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43720.	28.63	-1.049	519.6	2.897	60760.
Stddev	236.	1.51	.262	1.8	.160	188.
%RSD	.5396	5.291	24.99	.3390	5.530	.3088
#1	43500.	28.44	-1.329	518.9	3.037	60540.
#2	43970.	27.22	-1.006	521.6	2.722	60890.
#3	43700.	30.23	-.8103	518.2	2.933	60840.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.887	29.24	118.7	206.3	90880.	5199.
Stddev	.048	.35	1.2	1.1	197.	55.
%RSD	2.538	1.189	.9950	.5434	.2162	1.053
#1	1.925	28.99	117.9	206.3	90660.	5183.
#2	1.903	29.64	118.1	205.1	91040.	5260.
#3	1.833	29.10	120.1	207.4	90950.	5154.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20180.	1364.	738.1	57.09	1438.	5.219
Stddev	50.	4.	2.1	1.15	8.	1.252
%RSD	.2501	.2806	.2874	2.010	.5688	23.98
#1	20120.	1360.	736.6	57.63	1444.	4.853
#2	20220.	1368.	740.5	57.87	1442.	4.192
#3	20180.	1365.	737.2	55.78	1429.	6.613

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

Sample Name: 460-109321-a-1-a@4 Acquired: 2/27/2016 13:18:13 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.370	1.952	139.5	851.6	17.86	3.791
Stddev	1.440	2.466	.7	6.3	.80	.231
%RSD	105.1	126.3	.5306	.7372	4.456	6.088
#1	-2.827	4.001	138.8	855.9	17.81	3.852
#2	-1.335	2.640	139.5	854.4	18.69	3.985
#3	.0515	-.7841	140.3	844.4	17.10	3.536

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	79.99	203.3	1569.	1356.
Stddev	.99	.4	1.	52.
%RSD	1.240	.2198	.0787	3.853
#1	80.65	203.6	1569.	1415.
#2	80.47	203.4	1571.	1317.
#3	78.85	202.8	1568.	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	9628.6	52318.	9869.4
Stddev	122.3	36.	295.0
%RSD	1.2703	.06813	2.9886
#1	9516.0	52358.	10126.
#2	9611.0	52306.	9547.1
#3	9758.7	52290.	9935.5

Sample Name: Z 460-109443-e-1-a Acquired: 2/27/2016 13:21:54 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68410.	332.2	-8613	2669.	4.541	97820.
Stddev	128.	2.4	.3992	5.	.093	789.
%RSD	.1869	.7313	46.35	.1966	2.053	.8065
#1	68370.	330.5	-1.084	2673.	4.647	97370.
#2	68310.	331.2	-4004	2671.	4.504	97360.
#3	68550.	335.0	-1.100	2663.	4.472	98730.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0050	868.5	587.0	6859.	F 507100.	11790.
Stddev	.6362	.8	3.4	29.	2724.	100.
%RSD	12650.	.0957	.5717	.4240	.5372	.8479
#1	.4216	869.3	585.7	6863.	505900.	11820.
#2	.2995	867.6	584.5	6885.	505300.	11670.
#3	-.7363	868.5	590.8	6827.	510300.	11870.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33780.	3658.	11940.	547.4	2432.	207.3
Stddev	288.	17.	21.	.7	9.	3.3
%RSD	.8524	.4725	.1777	.1216	.3821	1.612
#1	33590.	3647.	11920.	548.2	2426.	209.9
#2	33640.	3649.	11930.	547.1	2427.	208.4
#3	34110.	3678.	11960.	546.9	2443.	203.5

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

Sample Name: Z 460-109443-e-1-a Acquired: 2/27/2016 13:21:54 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.915	9.316	194.0	F 21290.	103.9	92.83
Stddev	1.441	4.885	.8	230.	1.3	.57
%RSD	18.21	52.44	.4216	1.082	1.218	.6091
#1	-7.101	4.210	193.2	21120.	104.9	93.48
#2	-7.065	9.793	193.9	21200.	104.3	92.45
#3	-9.579	13.95	194.8	21550.	102.4	92.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1631.	476.7	2515.	2054.
Stddev	7.	1.5	.	20.
%RSD	.4168	.3093	.0115	.9533
#1	1627.	478.0	2515.	2053.
#2	1628.	477.0	2515.	2074.
#3	1639.	475.1	2515.	2035.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9498.1	52899.	10071.
Stddev	82.4	661.	177.
%RSD	.86755	1.2493	1.7592
#1	9530.6	52845.	10044.
#2	9559.3	53585.	10261.
#3	9404.4	52267.	9909.5

Sample Name: 460-109443-e-2-a@4 Acquired: 2/27/2016 13:25:52 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17730.	17.85	-.2042	260.4	1.350	20580.
Stddev	110.	1.75	.0641	1.2	.093	104.
%RSD	.6224	9.783	31.38	.4733	6.894	.5048
#1	17630.	15.84	-.1830	259.0	1.455	20660.
#2	17700.	18.76	-.2761	260.9	1.314	20460.
#3	17850.	18.95	-.1533	261.4	1.280	20610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0608	21.92	48.17	173.8	40360.	3501.
Stddev	.1016	.12	.41	1.2	177.	28.
%RSD	167.1	.5248	.8566	.7151	.4381	.7966
#1	.0471	21.79	48.47	172.4	40340.	3474.
#2	.1686	21.96	47.70	174.1	40200.	3498.
#3	-.0332	22.01	48.34	174.8	40550.	3530.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7247.	786.4	2159.	46.70	115.1	3.789
Stddev	64.	2.9	9.	.83	3.6	2.137
%RSD	.8890	.3680	.4219	1.771	3.132	56.41
#1	7230.	787.1	2155.	46.49	118.2	2.457
#2	7193.	783.1	2154.	45.99	111.1	2.656
#3	7318.	788.8	2170.	47.61	116.0	6.254

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

Sample Name: 460-109443-e-2-a@4 Acquired: 2/27/2016 13:25:52 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.125	-.4692	59.92	333.6	34.42	3.609
Stddev	1.271	.5471	.55	2.8	.13	.376
%RSD	59.80	116.6	.9244	.8393	.3712	10.43
#1	2.365	-1.042	59.31	336.4	34.33	3.952
#2	.7517	.0485	60.07	330.8	34.35	3.206
#3	3.260	-.4147	60.38	333.6	34.56	3.670

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	18.39	87.04	641.6	1067.
Stddev	.65	.64	3.5	3.
%RSD	3.555	.7296	.5416	.2970
#1	18.99	86.88	638.4	1071.
#2	17.69	86.50	641.0	1065.
#3	18.48	87.74	645.3	1066.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9679.0	53554.	9960.8
Stddev	124.8	772.	41.1
%RSD	1.2891	1.4413	.41272
#1	9540.8	52697.	9947.3
#2	9783.4	54195.	10007.
#3	9712.8	53770.	9928.2

Sample Name: 460-109445-e-1-a@4 Acquired: 2/27/2016 13:29:37 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41590.	56.97	.7921	935.9	3.620	67660.
Stddev	321.	.47	.3035	2.9	.067	930.
%RSD	.7714	.8244	38.32	.3106	1.838	1.374
#1	41260.	57.11	1.003	933.6	3.683	66590.
#2	41640.	56.44	.4442	934.9	3.626	68240.
#3	41890.	57.34	.9294	939.1	3.550	68160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34.34	26.92	46.56	3871.	91500.	3716.
Stddev	.09	.03	.62	9.	969.	34.
%RSD	.2712	.1252	1.330	.2330	1.059	.9097
#1	34.24	26.90	46.08	3879.	90390.	3729.
#2	34.39	26.89	46.35	3861.	92130.	3678.
#3	34.40	26.96	47.26	3871.	91990.	3742.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12010.	3654.	3425.	354.3	1106.	4.956
Stddev	163.	32.	28.	.8	4.	.178
%RSD	1.355	.8767	.8268	.2361	.3361	3.593
#1	11820.	3617.	3393.	354.2	1102.	4.903
#2	12110.	3672.	3436.	353.4	1109.	5.155
#3	12090.	3672.	3447.	355.1	1107.	4.811

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

Sample Name: 460-109445-e-1-a@4 Acquired: 2/27/2016 13:29:37 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7817	1.670	78.18	F 8090.	27.51	2.929
Stddev	1.024	1.738	.50	58.	.36	.140
%RSD	131.0	104.1	.6451	.7147	1.316	4.793
#1	1.964	1.961	77.75	8104.	27.24	2.794
#2	.2098	-.1956	78.74	8140.	27.37	2.919
#3	.1713	3.244	78.05	8026.	27.92	3.074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	42.59	469.6	1544.	1247.
Stddev	1.37	1.0	5.	37.
%RSD	3.210	.2183	.3500	2.935
#1	42.47	468.5	1538.	1280.
#2	44.02	470.6	1547.	1253.
#3	41.29	469.7	1547.	1207.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9710.7	53274.	9708.4
Stddev	110.0	799.	260.2
%RSD	1.1326	1.4994	2.6806
#1	9642.3	54192.	9969.8
#2	9652.2	52737.	9706.1
#3	9837.5	52892.	9449.4

Sample Name: Z 460-109445-e-2-a Acquired: 2/27/2016 13:33:17 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32810.	788.4	11.22	1832.	41.87	F 417000.
Stddev	300.	6.2	.33	3.	.45	6364.
%RSD	.9128	.7825	2.927	.1656	1.066	1.526
#1	32670.	794.3	11.60	1834.	41.61	410400.
#2	32620.	788.9	11.04	1834.	41.61	417500.
#3	33160.	782.0	11.03	1829.	42.38	423100.
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	8.102	31.81	75.56	698.7	F 487600.	5995.
Stddev	1.053	.12	1.52	1.2	6244.	33.
%RSD	13.00	.3793	2.018	.1706	1.281	.5447
#1	9.069	31.80	74.11	699.2	481200.	6026.
#2	8.258	31.94	75.41	699.6	487900.	5961.
#3	6.980	31.70	77.15	697.3	493600.	5998.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	200900.	F 117400.	2894.	98.46	79.61	4.558
Stddev	3260.	3622.	28.	.58	2.97	3.573
%RSD	1.623	3.084	.9816	.5861	3.735	78.41
#1	197500.	115100.	2866.	97.94	79.51	8.565
#2	201100.	115600.	2893.	98.35	82.63	3.405
#3	204000.	121600.	2923.	99.08	76.69	1.703
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: Z 460-109445-e-2-a Acquired: 2/27/2016 13:33:17 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.20	117.7	64.01	F 142900.	161.4	-17.71
Stddev	5.57	2.5	.95	3480.	1.4	.48
%RSD	14.22	2.126	1.482	2.436	.8858	2.699
#1	33.06	115.1	63.56	138800.	162.9	-18.10
#2	40.60	118.0	63.38	145000.	161.1	-17.18
#3	43.93	120.0	65.11	144700.	160.1	-17.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.983	1882.	1998.	1984.
Stddev	.883	1.	8.	80.
%RSD	11.06	.0628	.4006	4.012
#1	8.622	1883.	1989.	2005.
#2	6.975	1883.	1998.	2051.
#3	8.353	1881.	2005.	1896.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9211.9	51908.	9930.2
Stddev	89.0	756.	489.9
%RSD	.96658	1.4556	4.9330
#1	9303.9	52566.	10060.
#2	9126.2	52076.	10342.
#3	9205.5	51083.	9388.6

Sample Name: 460-109445-e-3-a@4 Acquired: 2/27/2016 13:37:22 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50970.	13.55	-1.757	735.5	4.287	4275.
Stddev	252.	1.83	.370	3.3	.088	36.
%RSD	.4944	13.49	21.08	.4519	2.053	.8465
#1	50750.	15.28	-2.031	738.1	4.237	4239.
#2	51240.	11.64	-1.335	736.7	4.235	4311.
#3	50920.	13.73	-1.904	731.8	4.389	4274.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7887	39.80	102.2	58.27	83320.	8634.
Stddev	.0655	.46	.4	.81	415.	38.
%RSD	8.306	1.155	.4154	1.385	.4979	.4387
#1	-.8283	40.31	101.7	59.17	82910.	8617.
#2	-.7131	39.70	102.2	57.62	83740.	8677.
#3	-.8247	39.40	102.6	58.03	83290.	8607.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19120.	588.9	8293.	94.94	53.00	2.317
Stddev	140.	3.7	45.	.63	.46	2.738
%RSD	.7340	.6309	.5467	.6667	.8613	118.2
#1	19010.	587.7	8247.	95.67	53.40	-.5065
#2	19280.	593.1	8338.	94.64	52.51	4.962
#3	19080.	586.0	8294.	94.52	53.10	2.495

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

Sample Name: 460-109445-e-3-a@4 Acquired: 2/27/2016 13:37:22 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.173	.0514	115.5	223.3	31.88	.9161
Stddev	1.770	1.588	.2	3.6	.73	.2844
%RSD	150.9	3090.	.1307	1.630	2.288	31.04
#1	-0.8666	-0.7909	115.4	225.8	32.62	.5997
#2	2.309	-0.9383	115.6	225.0	31.85	1.150
#3	2.076	1.883	115.4	219.1	31.17	.9984

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.068	63.69	1266.	1225.
Stddev	.359	.11	2.	37.
%RSD	11.69	.1790	.1320	3.042
#1	3.432	63.73	1265.	1264.
#2	3.057	63.78	1268.	1219.
#3	2.715	63.56	1264.	1190.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9838.6	54162.	10029.
Stddev	122.4	557.	269.
%RSD	1.2443	1.0287	2.6774
#1	9735.8	54458.	10318.
#2	9805.8	53520.	9787.4
#3	9974.0	54509.	9981.6

Sample Name: CCV Acquired: 2/27/2016 13:41:08 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122500.	2494.	1218.	9948.	995.9	124300.
Stddev	139.	3.	2.	7.	1.0	1381.
%RSD	.1130	.1361	.1678	.0741	.1023	1.112

#1	122600.	2498.	1219.	9953.	995.3	124700.
#2	122500.	2492.	1219.	9939.	997.1	125400.
#3	122400.	2493.	1215.	9951.	995.3	122700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1249.	2487.	4961.	12240.	100000.	49330.
Stddev	2.	1.	43.	53.	780.	47.
%RSD	.1563	.0463	.8599	.4342	.7800	.0944

#1	1250.	2488.	4977.	12210.	100300.	49290.
#2	1249.	2488.	4993.	12210.	100600.	49380.
#3	1246.	2486.	4912.	12300.	99120.	49330.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123200.	5066.	124700.	2502.	7513.	981.9
Stddev	1234.	34.	442.	3.	16.	4.4
%RSD	1.002	.6781	.3542	.1141	.2109	.4508

#1	123500.	5076.	125200.	2502.	7527.	981.5
#2	124300.	5095.	124600.	2505.	7516.	977.7
#3	121800.	5028.	124300.	2499.	7496.	986.6

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

Sample Name: CCV Acquired: 2/27/2016 13:41:08 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2483.	2545.	2463.	2520.	983.3	2432.
Stddev	7.	6.	11.	10.	3.8	1.
%RSD	.2685	.2535	.4263	.3970	.3843	.0354

#1	2476.	2552.	2466.	2529.	980.9	2432.
#2	2486.	2540.	2472.	2521.	981.3	2433.
#3	2488.	2542.	2452.	2509.	987.6	2431.

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	991.8	4998.	10010.	9486.
Stddev	2.7	13.	23.	153.
%RSD	.2711	.2565	.2261	1.614

#1	994.9	4987.	10010.	9448.
#2	990.5	4996.	10030.	9354.
#3	990.0	5012.	9983.	9654.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9282.2	50991.	9791.6
Stddev	50.3	858.	194.5
%RSD	.54156	1.6834	1.9864

#1	9229.4	50750.	9660.7
#2	9329.5	50279.	9699.0
#3	9287.7	51944.	10015.

Sample Name: CCB Acquired: 2/27/2016 13:44:35 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.65	2.718	-.0741	.1882	.0505	-16.82
Stddev	7.58	1.657	.2069	.0931	.0773	3.96
%RSD	65.05	60.97	279.3	49.47	153.1	23.52

#1	11.94	4.090	-.0517	.1712	.0637	-15.15
#2	3.929	.8768	-.2913	.2886	-.0326	-21.33
#3	19.07	3.189	.1207	.1048	.1202	-13.97

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0063	.0235	.4190	.0752	1.745	55.93
Stddev	.0795	.2185	.4067	.5117	4.357	16.70
%RSD	1258.	927.9	97.05	680.6	249.6	29.86

#1	.0126	.0720	-.0419	.6656	-.2332	41.22
#2	.0825	-.2151	.7273	-.2008	6.741	52.48
#3	-.0761	.2138	.5717	-.2392	-1.271	74.08

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	1.642	.4469	38.75	.2413	.1978	.5594
Stddev	2.761	.1146	22.46	.7671	.9627	1.883
%RSD	168.2	25.64	57.98	317.9	486.7	336.6

#1	4.704	.5634	62.90	1.124	.6230	-.4320
#2	-.6579	.4428	34.86	-.1404	.8746	2.731
#3	.8784	.3344	18.48	-.2600	-.9043	-.6208

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

Sample Name: CCB Acquired: 2/27/2016 13:44:35 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.312	1.300	.0458	.5585	2.088	1.381
Stddev	2.693	1.214	.3863	.1992	1.116	.110
%RSD	116.5	93.35	842.8	35.66	53.46	7.925
#1	.1842	-.0564	.2999	.7103	3.300	1.434
#2	5.340	1.674	.2363	.6323	1.860	1.454
#3	1.413	2.283	-.3987	.3330	1.103	1.255

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2746	.0707	.8160	7.462
Stddev	.1611	.1091	.3019	23.53
%RSD	58.67	154.3	37.00	315.4
#1	-.4001	.1738	.4875	-5.498
#2	-.0929	.0818	.8794	-6.742
#3	-.3307	-.0435	1.081	34.63

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9845.9	54811.	10494.
Stddev	97.7	534.	177.
%RSD	.99264	.97425	1.6854
#1	9844.6	55251.	10320.
#2	9944.2	54966.	10489.
#3	9748.7	54217.	10674.

Sample Name: CCVL Acquired: 2/27/2016 13:48:30 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	190.5	14.77	8.481	185.0	1.877	4492.
Stddev	9.2	1.85	.058	.4	.096	11.
%RSD	4.811	12.51	.6829	.2200	5.118	.2421

#1	186.1	14.00	8.457	185.2	1.836	4503.
#2	201.1	16.88	8.438	185.4	1.987	4481.
#3	184.4	13.43	8.547	184.6	1.809	4493.

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	3.737	46.77	9.732	21.51	156.2	4442.
Stddev	.159	.14	.237	.65	1.1	30.
%RSD	4.243	.2914	2.437	3.022	.6851	.6737

#1	3.919	46.91	9.526	21.78	155.6	4410.
#2	3.626	46.65	9.991	21.97	157.4	4447.
#3	3.667	46.74	9.679	20.76	155.5	4469.

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	4462.	14.86	4546.	38.84	9.598	17.03
Stddev	17.	.12	10.	.53	1.679	1.51
%RSD	.3830	.7852	.2262	1.375	17.50	8.869

#1	4481.	14.93	4535.	38.76	7.831	17.80
#2	4459.	14.93	4555.	38.35	9.790	15.29
#3	4448.	14.73	4548.	39.41	11.17	18.00

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

Sample Name: CCVL Acquired: 2/27/2016 13:48:30 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.84	19.13	45.69	29.72	43.96	17.00
Stddev	4.04	.52	.56	.36	.57	.39
%RSD	20.37	2.739	1.226	1.220	1.303	2.283
#1	19.07	18.59	45.32	30.08	43.42	17.39
#2	24.21	19.64	46.34	29.72	44.56	16.61
#3	16.24	19.18	45.42	29.35	43.90	17.01

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	45.11	18.65	18.19	F 7.079
Stddev	.82	.06	.31	16.93
%RSD	1.821	.3479	1.705	239.1
#1	44.26	18.69	17.84	-11.84
#2	45.19	18.68	18.28	12.27
#3	45.90	18.57	18.44	20.80

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9721.5	53981.	10040.
Stddev	39.3	411.	33.
%RSD	.40405	.76204	.33050
#1	9679.7	53582.	10046.
#2	9757.6	54404.	10004.
#3	9727.2	53957.	10070.

Sample Name: 460-109423-d-1-a@4 Acquired: 2/27/2016 13:52:21 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47850.	30.93	-1.672	1936.	3.055	23070.
Stddev	64.	.96	.412	4.	.107	214.
%RSD	.1341	3.116	24.61	.2042	3.489	.9271
#1	47830.	30.67	-1.267	1936.	3.117	23250.
#2	47810.	30.13	-1.661	1940.	2.932	22830.
#3	47930.	32.00	-2.090	1932.	3.116	23130.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5073	33.13	87.98	843.2	95370.	2623.
Stddev	.1986	.11	.17	2.3	698.	29.
%RSD	39.14	.3342	.1877	.2710	.7322	1.093
#1	.3179	33.08	88.14	842.8	96070.	2614.
#2	.7139	33.26	87.99	845.7	94670.	2600.
#3	.4902	33.06	87.81	841.1	95370.	2655.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12110.	1585.	1296.	208.3	1200.	4.637
Stddev	114.	10.	9.	1.2	4.	2.143
%RSD	.9391	.6110	.6942	.5648	.3198	46.22
#1	12230.	1594.	1287.	207.7	1198.	2.176
#2	12000.	1575.	1305.	209.7	1197.	6.090
#3	12090.	1587.	1296.	207.6	1204.	5.646

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

Sample Name: 460-109423-d-1-a@4 Acquired: 2/27/2016 13:52:21 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.474	.2642	1109.	1564.	20.50	4.787
Stddev	3.550	.6969	3.	9.	.36	.207
%RSD	240.8	263.8	.3079	.5477	1.761	4.317
#1	3.489	-.4746	1113.	1559.	20.88	4.732
#2	3.558	.9097	1107.	1559.	20.47	5.015
#3	-2.625	.3574	1108.	1574.	20.16	4.613

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	189.9	135.3	1671.	1067.
Stddev	.7	.2	3.	13.
%RSD	.3737	.1283	.1996	1.265
#1	189.2	135.3	1674.	1053.
#2	190.6	135.5	1668.	1069.
#3	190.0	135.1	1670.	1080.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9718.0	53874.	10179.
Stddev	77.1	991.	244.
%RSD	.79372	1.8401	2.3998
#1	9696.4	52789.	9961.0
#2	9803.7	54731.	10443.
#3	9654.0	54103.	10134.

Sample Name: 460-109423-d-2-a@4 Acquired: 2/27/2016 13:56:02 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32430.	26.40	-5867	392.8	4.102	43510.
Stddev	110.	.68	.1207	.3	.180	154.
%RSD	.3398	2.565	20.58	.0792	4.385	.3530
#1	32380.	26.68	-.4671	393.1	3.974	43570.
#2	32350.	26.90	-.5844	392.5	4.307	43630.
#3	32550.	25.63	-.7085	392.9	4.023	43340.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.188	64.27	157.9	143.1	83300.	4935.
Stddev	.035	.36	1.4	.5	199.	22.
%RSD	2.929	.5624	.8669	.3607	.2384	.4495
#1	1.228	64.40	159.0	143.5	83430.	4916.
#2	1.168	64.55	158.3	143.2	83400.	4960.
#3	1.168	63.86	156.3	142.5	83070.	4929.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11840.	7162.	539.5	104.7	557.4	.4624
Stddev	44.	15.	8.5	.4	3.9	.6827
%RSD	.3745	.2092	1.572	.3518	.7001	147.6
#1	11860.	7171.	530.6	105.0	557.7	-.1091
#2	11870.	7171.	540.4	104.7	561.2	1.218
#3	11790.	7145.	547.5	104.3	553.4	.2779

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

Sample Name: 460-109423-d-2-a@4 Acquired: 2/27/2016 13:56:02 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.771	1.679	185.0	376.1	17.10	11.89
Stddev	3.690	2.062	.8	5.7	.22	.08
%RSD	208.4	122.8	.4388	1.511	1.305	.6844
#1	-6.018	.3744	185.9	375.7	16.88	11.80
#2	.6533	4.056	184.8	382.0	17.32	11.93
#3	.0515	.6073	184.3	370.6	17.12	11.95

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.74	124.6	1504.	1301.
Stddev	.29	.8	3.	55.
%RSD	1.730	.6128	.2014	4.210
#1	16.70	125.5	1506.	1276.
#2	16.48	124.2	1505.	1364.
#3	17.05	124.1	1501.	1263.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9866.6	55522.	10659.
Stddev	103.1	308.	289.
%RSD	1.0450	.55389	2.7134
#1	9837.5	55183.	10512.
#2	9781.2	55602.	10992.
#3	9981.1	55782.	10473.

Sample Name: 460-109447-a-1-a@4 Acquired: 2/27/2016 13:59:44 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22750.	7.414	-.2441	658.8	1.334	2568.
Stddev	81.	.668	.4942	1.6	.081	20.
%RSD	.3562	9.012	202.5	.2359	6.041	.7765
#1	22660.	7.557	-.6032	658.8	1.356	2546.
#2	22820.	7.999	.3196	660.3	1.245	2576.
#3	22780.	6.686	-.4486	657.2	1.401	2584.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0368	14.22	38.76	37.44	40920.	1232.
Stddev	.0323	.08	.31	.31	113.	14.
%RSD	87.82	.5876	.8087	.8161	.2772	1.102
#1	-.0419	14.31	38.78	37.10	40790.	1244.
#2	-.0022	14.21	39.07	37.56	40990.	1217.
#3	-.0663	14.14	38.44	37.67	40980.	1234.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3482.	1019.	89.13	53.95	5761.	1.085
Stddev	17.	3.	5.69	1.11	9.	.732
%RSD	.4786	.3131	6.389	2.050	.1488	67.43
#1	3463.	1016.	94.28	54.58	5771.	1.702
#2	3490.	1022.	90.09	52.67	5756.	.2767
#3	3493.	1020.	83.01	54.60	5756.	1.277

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

Sample Name: 460-109447-a-1-a@4 Acquired: 2/27/2016 13:59:44 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2473	1.233	41.97	280.9	1.632	.9034
Stddev	.8692	1.403	.28	1.0	.553	.3016
%RSD	351.4	113.8	.6664	.3617	33.91	33.39
#1	1.247	.7169	42.29	281.9	1.044	1.161
#2	-.3303	2.821	41.79	279.9	1.710	.5717
#3	-.1747	.1613	41.82	280.7	2.143	.9772

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.822	27.44	764.2	910.8
Stddev	.164	.12	.9	5.9
%RSD	3.410	.4347	.1211	.6459
#1	4.661	27.47	763.5	906.5
#2	4.990	27.31	765.2	908.4
#3	4.815	27.54	763.8	917.5

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	9835.0	54967.	10489.
Stddev	51.3	105.	44.
%RSD	.52145	.19155	.41501
#1	9782.6	55054.	10536.
#2	9885.1	54997.	10450.
#3	9837.3	54850.	10480.

Sample Name: 460-109447-a-2-a@4 Acquired: 2/27/2016 14:03:29 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23940.	8.412	-7.7459	136.9	1.461	4225.
Stddev	141.	1.186	.3189	.5	.154	49.
%RSD	.5902	14.10	42.75	.3951	10.52	1.160
#1	23840.	7.158	-.4818	136.3	1.387	4247.
#2	24100.	9.515	-1.100	136.9	1.358	4260.
#3	23880.	8.564	-.6559	137.4	1.637	4169.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3690	17.92	40.99	45.64	47660.	1021.
Stddev	.1217	.15	.18	.49	363.	32.
%RSD	32.98	.8459	.4371	1.081	.7626	3.144
#1	-.2957	17.96	40.79	45.41	47760.	1044.
#2	-.3019	17.75	41.13	45.31	47960.	984.1
#3	-.5095	18.05	41.05	46.21	47250.	1035.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4005.	1569.	82.23	76.15	102.4	2.592
Stddev	33.	9.	3.52	.40	1.0	1.682
%RSD	.8305	.5467	4.276	.5226	.9769	64.88
#1	4008.	1569.	85.97	75.75	102.0	.6929
#2	4036.	1577.	81.72	76.54	101.6	3.893
#3	3970.	1560.	78.99	76.15	103.5	3.191

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

Sample Name: 460-109447-a-2-a@4 Acquired: 2/27/2016 14:03:29 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3273	1.488	42.59	144.6	2.142	.6817
Stddev	.8363	1.246	.40	1.0	.307	.2242
%RSD	255.5	83.71	.9324	.7095	14.32	32.89
#1	-4.714	2.866	42.40	145.8	1.930	.7630
#2	1.197	.4424	43.05	143.8	2.494	.8540
#3	.2566	1.156	42.32	144.4	2.002	.4282

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.892	33.31	716.1	946.1
Stddev	.422	.12	.9	46.4
%RSD	8.624	.3570	.1265	4.904
#1	5.313	33.21	715.8	960.7
#2	4.470	33.45	717.1	894.2
#3	4.892	33.28	715.4	983.4

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	9813.0	54499.	10391.
Stddev	77.0	867.	380.
%RSD	.78488	1.5909	3.6531
#1	9741.8	54188.	10355.
#2	9894.8	53830.	10031.
#3	9802.5	55478.	10788.

Sample Name: 460-109322-h-6-a Acquired: 2/27/2016 14:07:14 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76.05	27.14	-.0175	252.9	-.0399	163800.
Stddev	9.91	.55	.1714	.4	.0468	1576.
%RSD	13.03	2.024	978.1	.1554	117.3	.9625

#1	71.32	26.64	.1792	252.7	-.0803	162100.
#2	87.43	27.73	-.1343	253.4	-.0508	163900.
#3	69.40	27.04	-.0974	252.7	.0114	165300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6178	.9200	-.1209	1.612	11300.	14470.
Stddev	.1416	.3475	.5004	.909	87.	149.
%RSD	22.92	37.77	413.9	56.40	.7657	1.032

#1	.7813	.6391	-.0428	2.592	11200.	14310.
#2	.5367	1.309	-.6558	.7973	11330.	14510.
#3	.5354	.8125	.3359	1.446	11360.	14600.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40970.	6661.	159300.	24.77	-4.398	-1.362
Stddev	372.	44.	300.	.06	.812	1.836
%RSD	.9087	.6675	.1885	.2565	18.47	134.8

#1	40560.	6614.	159100.	24.84	-3.487	-.1069
#2	41050.	6668.	159700.	24.75	-4.660	-3.468
#3	41290.	6702.	159200.	24.72	-5.046	-.5093

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

Sample Name: 460-109322-h-6-a Acquired: 2/27/2016 14:07:14 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.121	-1.190	.8885	3.283	86.41	-1.207
Stddev	4.712	2.560	.2452	.029	.27	.361
%RSD	420.3	215.0	27.60	.8900	.3151	29.90

#1	2.180	-1.159	1.062	3.268	86.59	-1.483
#2	.9745	1.354	.6080	3.317	86.55	-1.341
#3	-6.518	-3.766	.9955	3.265	86.10	-.7988

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.598	549.7	3.404	10160.
Stddev	.070	.8	.337	63.
%RSD	4.360	.1459	9.885	.6216

#1	-1.553	550.2	3.016	10220.
#2	-1.563	550.0	3.576	10100.
#3	-1.678	548.8	3.619	10140.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9235.4	51757.	9856.0
Stddev	72.4	762.	284.8
%RSD	.78358	1.4719	2.8902

#1	9318.3	52426.	10184.
#2	9202.7	51917.	9717.9
#3	9185.1	50928.	9666.5

Sample Name: 460-109322-h-7-a Acquired: 2/27/2016 14:11:04 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59.57	3.789	-.2489	205.6	-.0120	77740.
Stddev	8.01	.496	.5124	.8	.0505	273.
%RSD	13.45	13.08	205.8	.3915	421.8	.3514

#1	66.82	4.100	.1628	206.5	.0216	77610.
#2	50.97	3.218	-.8229	205.3	.0126	77550.
#3	60.94	4.051	-.0867	204.9	-.0700	78050.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.626	.5778	.7783	9.491	1159.	10400.
Stddev	.128	.2418	.7384	.327	7.	106.
%RSD	3.527	41.84	94.88	3.447	.6099	1.020

#1	3.516	.5903	-.0349	9.117	1151.	10280.
#2	3.766	.8131	1.407	9.727	1163.	10430.
#3	3.596	.3301	.9629	9.628	1163.	10490.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10100.	727.7	F 647800.	11.77	.6127	-.4979
Stddev	27.	.8	25810.	.43	1.283	.9198
%RSD	.2702	.1146	3.985	3.612	209.3	184.8

#1	10080.	727.6	677400.	11.80	-.7421	.0922
#2	10080.	726.9	630300.	11.34	.7721	-1.558
#3	10130.	728.6	635600.	12.19	1.808	-.0281

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

Sample Name: 460-109322-h-7-a Acquired: 2/27/2016 14:11:04 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.104	-.7092	6.346	58.47	80.42	.1124
Stddev	2.806	.5198	.332	.65	.69	.3933
%RSD	133.3	73.30	5.236	1.120	.8612	350.1

#1	-.3993	-1.045	6.571	58.39	79.68	-.3224
#2	5.137	-.9722	6.501	59.15	81.06	.4436
#3	1.575	-.1104	5.964	57.85	80.51	.2159

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6342	424.6	3.269	7015.
Stddev	.4029	.6	.063	143.
%RSD	63.53	.1361	1.936	2.038

#1	-.2575	424.8	3.306	6942.
#2	-1.059	425.1	3.305	7180.
#3	-.5860	424.0	3.196	6923.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9152.5	49932.	9837.2
Stddev	20.5	339.	164.6
%RSD	.22447	.67963	1.6735

#1	9147.5	49812.	9850.4
#2	9134.9	50315.	9994.8
#3	9175.1	49669.	9666.4

Sample Name: 460-109322-h-8-a Acquired: 2/27/2016 14:15:01 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.94	18.49	.2935	115.2	-.0668	147200.
Stddev	12.68	1.35	.5032	.2	.0354	1170.
%RSD	24.88	7.280	171.5	.1663	53.05	.7948

#1	39.11	16.99	-.2670	115.4	-.0987	148500.
#2	49.38	19.60	.7067	115.3	-.0730	146200.
#3	64.32	18.86	.4408	115.0	-.0287	146900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1524	1.708	3.248	-.1941	65540.	53340.
Stddev	.1414	.243	.277	.3160	425.	168.
%RSD	92.79	14.22	8.527	162.8	.6478	.3140

#1	-.1826	1.493	3.250	-.2839	66020.	53530.
#2	.0017	1.971	2.971	-.4555	65210.	53260.
#3	-.2763	1.660	3.525	.1571	65390.	53220.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24290.	F 20330.	211700.	28.02	-8.875	-5.084
Stddev	185.	163.	1100.	.76	.419	1.665
%RSD	.7620	.8024	.5197	2.708	4.722	32.75

#1	24490.	20490.	213000.	27.15	-9.346	-5.814
#2	24130.	20160.	211300.	28.54	-8.542	-3.179
#3	24250.	20330.	210900.	28.37	-8.738	-6.260

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-109322-h-8-a Acquired: 2/27/2016 14:15:01 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.490	1.100	.1881	6.127	119.5	-3.278
Stddev	1.784	1.112	.3402	.066	.3	.112
%RSD	18.80	101.1	180.9	1.075	.2340	3.410

#1	-10.52	2.255	.4801	6.164	119.8	-3.187
#2	-7.430	1.011	-.1856	6.165	119.2	-3.244
#3	-10.52	.0357	.2697	6.051	119.4	-3.403

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.129	617.1	.7364	11010.
Stddev	.330	.1	.1344	171.
%RSD	29.23	.0176	18.26	1.549

#1	-.9192	617.0	.6330	10840.
#2	-1.509	617.2	.6878	11020.
#3	-.9579	617.1	.8884	11180.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9304.2	51777.	10110.
Stddev	41.1	584.	185.
%RSD	.44128	1.1282	1.8304

#1	9279.1	51141.	9900.7
#2	9351.6	52290.	10180.
#3	9281.9	51900.	10251.

Sample Name: 460-109361-e-1-a Acquired: 2/27/2016 14:18:58 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128.1	4.904	-4.589	112.3	.8512	24040.
Stddev	2.3	1.879	.6219	.4	.0962	146.
%RSD	1.819	38.32	135.5	.3835	11.30	.6059

#1	129.9	5.585	-.6062	111.8	.7521	23870.
#2	129.0	6.348	.2234	112.5	.8572	24130.
#3	125.5	2.779	-.9940	112.6	.9442	24120.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2575	37.24	.3402	3.558	15220.	2647.
Stddev	.0928	.08	.2492	.218	76.	25.
%RSD	36.06	.2198	73.25	6.124	.4960	.9351

#1	.2087	37.16	.3715	3.306	15140.	2626.
#2	.3645	37.24	.5722	3.679	15230.	2642.
#3	.1992	37.32	.0768	3.688	15300.	2675.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3527.	340.8	62060.	14.88	-1.139	1.165
Stddev	32.	.9	287.	.23	1.208	.939
%RSD	.9037	.2745	.4624	1.526	106.0	80.59

#1	3492.	339.8	61810.	14.82	-2.410	.5256
#2	3533.	341.7	61990.	14.68	-.0073	2.243
#3	3555.	340.9	62380.	15.13	-.9993	.7264

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

Sample Name: 460-109361-e-1-a Acquired: 2/27/2016 14:18:58 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.797	-.2221	.9037	61.24	59.03	-.2219
Stddev	.805	.2515	.1766	.19	.28	.3485
%RSD	44.78	113.3	19.54	.3086	.4719	157.0
#1	2.692	-.4728	.7911	61.06	59.12	-.5144
#2	1.132	-.2238	.8127	61.44	58.71	-.3149
#3	1.569	.0303	1.107	61.23	59.25	.1636

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.008	194.1	.6358	3388.
Stddev	.493	.4	.0280	19.
%RSD	48.95	.2316	4.403	.5624
#1	-1.412	193.6	.6611	3367.
#2	-.4580	194.1	.6057	3395.
#3	-1.154	194.5	.6406	3403.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9699.5	53988.	10397.
Stddev	61.2	427.	93.
%RSD	.63046	.79137	.89067
#1	9760.8	54482.	10474.
#2	9699.1	53737.	10422.
#3	9638.5	53747.	10294.

Sample Name: 460-109361-e-2-a Acquired: 2/27/2016 14:22:45 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	264.8	5.527	-.5401	66.21	.7429	12460.
Stddev	7.7	.969	.2391	.26	.0868	85.
%RSD	2.915	17.53	44.27	.3996	11.68	.6845

#1	266.5	6.628	-.3477	65.96	.7158	12540.
#2	271.6	5.148	-.4647	66.49	.8400	12370.
#3	256.4	4.804	-.8077	66.19	.6729	12470.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1714	24.01	.4509	1.700	9145.	2257.
Stddev	.0250	.12	.7359	.344	66.	40.
%RSD	14.58	.4840	163.2	20.26	.7242	1.775

#1	.1654	23.91	-.2342	1.612	9215.	2260.
#2	.1499	23.98	1.229	2.080	9083.	2215.
#3	.1988	24.14	.3579	1.409	9138.	2295.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2671.	246.6	99440.	6.756	-1.429	-.2317
Stddev	22.	.9	254.	.212	.500	1.229
%RSD	.8207	.3848	.2558	3.142	35.02	530.5

#1	2692.	247.4	99730.	6.520	-1.092	-.2283
#2	2649.	245.6	99300.	6.817	-1.190	.9957
#3	2673.	246.9	99280.	6.932	-2.004	-1.462

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

Sample Name: 460-109361-e-2-a Acquired: 2/27/2016 14:22:45 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2807	2.426	.4058	44.00	45.84	-.2763
Stddev	2.032	3.290	.1898	.45	.18	.1585
%RSD	724.1	135.6	46.78	1.013	.3852	57.35

#1	.1681	-.2718	.4228	44.13	45.81	-.2197
#2	2.367	6.091	.2080	43.50	46.03	-.4554
#3	-1.693	1.459	.5865	44.36	45.68	-.1540

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3799	98.30	.1084	2632.
Stddev	.2531	.04	.0837	75.
%RSD	66.61	.0395	77.22	2.851

#1	-.0880	98.26	.1035	2547.
#2	-.5366	98.33	.0272	2662.
#3	-.5152	98.31	.1944	2688.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9671.9	53771.	10284.
Stddev	59.0	668.	264.
%RSD	.61008	1.2426	2.5683

#1	9681.7	53110.	9985.6
#2	9725.3	54446.	10488.
#3	9608.5	53758.	10378.

Sample Name: 460-109361-e-3-a Acquired: 2/27/2016 14:26:35 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	348.7	2.705	-.2555	59.72	.7808	8177.
Stddev	10.2	.217	.3725	.26	.0182	112.
%RSD	2.921	8.025	145.8	.4402	2.337	1.374

#1	338.6	2.579	-.6241	59.85	.7718	8289.
#2	348.6	2.956	-.2633	59.90	.8018	8064.
#3	358.9	2.581	.1207	59.42	.7689	8180.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1323	13.13	.7833	.6467	11010.	1987.
Stddev	.1515	.30	.5285	.3357	84.	22.
%RSD	114.5	2.254	67.47	51.90	.7608	1.088

#1	-.0400	13.25	.4085	.2705	11100.	2011.
#2	.2443	12.79	1.388	.7541	10930.	1969.
#3	.1927	13.35	.5537	.9155	11000.	1982.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2478.	117.3	54410.	5.782	-1.616	-.7577
Stddev	24.	.6	188.	.476	1.214	1.273
%RSD	.9605	.5433	.3449	8.237	75.17	168.0

#1	2499.	117.8	54630.	5.904	-1.288	.7030
#2	2452.	116.6	54310.	6.185	-.5985	-1.343
#3	2482.	117.5	54300.	5.256	-2.960	-1.633

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

Sample Name: 460-109361-e-3-a Acquired: 2/27/2016 14:26:35 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.904	2.412	.2981	48.83	33.14	-.4607
Stddev	3.138	2.497	.1776	.53	.34	.1523
%RSD	164.8	103.5	59.56	1.084	1.015	33.06
#1	5.524	.8089	.2280	49.21	33.08	-.3043
#2	-.0307	5.289	.5000	48.22	33.50	-.4693
#3	.2193	1.138	.1663	49.05	32.84	-.6086

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5672	65.13	-.3805	2444.
Stddev	.2794	.48	.1846	65.
%RSD	49.25	.7428	48.51	2.646
#1	-.2889	64.61	-.3943	2375.
#2	-.8476	65.21	-.5577	2453.
#3	-.5651	65.57	-.1894	2503.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9690.6	54060.	10206.
Stddev	114.3	981.	326.
%RSD	1.1799	1.8154	3.1947
#1	9579.4	53065.	9831.6
#2	9807.8	55027.	10355.
#3	9684.7	54088.	10430.

Sample Name: CCV Acquired: 2/27/2016 14:30:27 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121000.	2487.	1208.	9870.	986.7	122100.
Stddev	288.	9.	1.	3.	2.9	143.
%RSD	.2377	.3472	.1093	.0321	.2959	.1172

#1	120900.	2496.	1208.	9870.	986.2	122000.
#2	120700.	2484.	1207.	9872.	984.2	122000.
#3	121300.	2479.	1210.	9866.	989.9	122200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1237.	2472.	4882.	12210.	98660.	48820.
Stddev	1.	2.	7.	19.	153.	133.
%RSD	.1175	.0917	.1362	.1525	.1549	.2715

#1	1236.	2471.	4881.	12200.	98650.	48720.
#2	1239.	2474.	4875.	12200.	98510.	48770.
#3	1237.	2470.	4889.	12230.	98820.	48970.

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	121000.	5004.	122700.	2488.	7462.	980.4
Stddev	319.	9.	331.	4.	8.	2.8
%RSD	.2640	.1816	.2698	.1562	.1133	.2820

#1	120700.	4997.	123000.	2490.	7459.	978.3
#2	120900.	5001.	122400.	2489.	7471.	983.5
#3	121300.	5014.	122600.	2483.	7455.	979.4

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

Sample Name: CCV Acquired: 2/27/2016 14:30:27 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2480.	2543.	2435.	2498.	978.8	2408.
Stddev	10.	9.	1.	8.	1.4	3.
%RSD	.4128	.3586	.0280	.3028	.1441	.1038

#1	2485.	2532.	2435.	2498.	978.0	2405.
#2	2487.	2547.	2434.	2505.	980.5	2410.
#3	2468.	2549.	2435.	2490.	978.0	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	985.5	4955.	9922.	9546.
Stddev	1.1	8.	16.	139.
%RSD	.1077	.1601	.1618	1.459

#1	985.1	4947.	9906.	9533.
#2	984.6	4956.	9921.	9691.
#3	986.7	4963.	9938.	9413.

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	9190.7	51228.	9918.6
Stddev	37.0	127.	118.5
%RSD	.40296	.24848	1.1946

#1	9197.6	51357.	9929.8
#2	9150.7	51224.	10031.
#3	9223.8	51103.	9794.9

Sample Name: CCB Acquired: 2/27/2016 14:33:55 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.810	2.624	-4.878	.2481	.0553	-20.28
Stddev	9.242	.619	.3362	.0945	.0697	3.75
%RSD	118.3	23.57	68.93	38.09	126.1	18.50

#1	2.905	3.203	-.3297	.3491	.1004	-20.34
#2	18.47	1.972	-.8739	.1619	-.0250	-16.49
#3	2.054	2.698	-.2597	.2332	.0904	-23.99

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0857	.0406	.4398	-.3937	2.487	27.39
Stddev	.0698	.1746	.3619	.3515	13.37	54.95
%RSD	81.42	429.5	82.29	89.28	537.6	200.6

#1	-.0150	-.1342	.2760	-.7239	4.112	86.84
#2	-.1546	.2149	.8546	-.0242	-11.62	16.87
#3	-.0876	.0413	.1887	-.4331	14.97	-21.53

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3554	.1710	80.92	.1040	.2139	3.239
Stddev	2.613	.0587	17.07	.4278	1.267	.999
%RSD	735.2	34.34	21.09	411.2	592.2	30.84

#1	-2.511	.2380	100.3	.1209	-.5575	2.746
#2	2.604	.1472	74.24	.5232	1.676	2.582
#3	.9740	.1279	68.20	-.3320	-.4769	4.388

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

Sample Name: CCB Acquired: 2/27/2016 14:33:55 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.109	-.1891	.0096	.1618	1.917	1.148
Stddev	1.294	2.576	.1895	.1264	.406	.416
%RSD	41.62	1362.	1977.	78.11	21.16	36.22
#1	4.600	-.8338	.1328	.0407	2.303	1.552
#2	2.287	2.648	.1045	.2929	1.955	.7220
#3	2.438	-2.382	-.2086	.1518	1.494	1.169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1229	.0912	1.109	25.26
Stddev	.5976	.0445	.561	23.08
%RSD	486.1	48.80	50.60	91.37
#1	-.3616	.1310	.5724	41.46
#2	-.5643	.0431	1.063	-1.166
#3	.5571	.0996	1.692	35.49
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9689.5	54000.	9993.7
Stddev	22.7	436.	134.6
%RSD	.23440	.80786	1.3472
#1	9692.6	54473.	10135.
#2	9665.4	53613.	9867.0
#3	9710.5	53916.	9979.1

Sample Name: CCVL Acquired: 2/27/2016 14:37:50 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	190.7	17.96	8.798	189.3	1.821	4523.
Stddev	6.3	1.11	.410	.6	.106	38.
%RSD	3.300	6.205	4.662	.3396	5.835	.8428

#1	189.0	18.97	8.551	189.0	1.699	4548.
#2	197.6	18.14	8.572	190.0	1.870	4541.
#3	185.4	16.76	9.272	188.7	1.894	4479.

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	3.848	48.02	9.498	22.22	161.9	4570.
Stddev	.074	.21	.557	.01	1.8	42.
%RSD	1.931	.4434	5.864	.0579	1.086	.9125

#1	3.838	47.86	9.676	22.24	162.8	4525.
#2	3.927	47.93	9.944	22.21	163.0	4607.
#3	3.780	48.26	8.874	22.21	159.8	4577.

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	4496.	15.00	4679.	38.96	10.59	18.74
Stddev	26.	.02	20.	.78	.45	1.90
%RSD	.5887	.1569	.4230	1.997	4.275	10.11

#1	4520.	15.01	4672.	39.46	10.08	20.86
#2	4501.	15.01	4701.	39.35	10.78	17.22
#3	4467.	14.97	4664.	38.06	10.92	18.14

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

Sample Name: CCVL Acquired: 2/27/2016 14:37:50 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.58	18.67	45.97	30.37	44.75	17.58
Stddev	1.68	2.86	.31	.09	.46	.24
%RSD	7.789	15.33	.6648	.2879	1.026	1.372
#1	20.52	16.85	45.87	30.36	45.12	17.31
#2	20.70	21.97	46.31	30.29	44.23	17.79
#3	23.52	17.19	45.72	30.46	44.90	17.63

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.34	18.91	18.46	F -4.726
Stddev	.21	.14	.18	18.31
%RSD	.4492	.7477	.9500	387.3
#1	46.32	18.75	18.25	-24.51
#2	46.56	19.01	18.56	11.60
#3	46.14	18.98	18.56	-1.270

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	9700.7	54202.	10169.
Stddev	14.4	439.	162.
%RSD	.14842	.80999	1.5888
#1	9685.3	53760.	10093.
#2	9713.8	54209.	10059.
#3	9703.0	54638.	10354.

Sample Name: 460-109361-g-4-a Acquired: 2/27/2016 14:41:41 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	281.7	1.920	-.2979	59.72	.7170	8347.
Stddev	13.3	1.466	.5266	.11	.0311	48.
%RSD	4.707	76.34	176.7	.1801	4.334	.5708

#1	276.7	1.899	-.6305	59.80	.7455	8346.
#2	271.6	.4652	.3092	59.77	.7216	8395.
#3	296.7	3.397	-.5725	59.60	.6839	8299.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0899	11.18	.5939	1.278	8879.	1986.
Stddev	.1005	.24	.2104	.295	42.	19.
%RSD	111.8	2.130	35.43	23.07	.4783	.9636

#1	.1541	11.39	.8369	1.256	8855.	2005.
#2	.1415	10.92	.4720	.9951	8928.	1987.
#3	-.0259	11.23	.4729	1.584	8854.	1966.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2564.	109.2	52340.	7.946	.1704	1.163
Stddev	13.	.2	67.	.458	1.587	1.125
%RSD	.4939	.1854	.1280	5.766	931.1	96.71

#1	2567.	109.1	52380.	7.813	.4500	.5389
#2	2576.	109.5	52360.	8.456	1.599	.4889
#3	2551.	109.1	52260.	7.569	-1.538	2.462

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

Sample Name: 460-109361-g-4-a Acquired: 2/27/2016 14:41:41 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.762	.6236	.4512	46.78	34.89	-.2582
Stddev	1.474	.5159	.0478	.40	.22	.4327
%RSD	30.96	82.72	10.60	.8582	.6346	167.6
#1	6.221	.6889	.4978	46.40	35.15	-.6833
#2	4.790	1.104	.4536	46.74	34.77	-.2730
#3	3.273	.0782	.4023	47.20	34.77	.1817

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3551	67.10	-.0884	2421.
Stddev	.5017	.42	.1524	20.
%RSD	141.3	.6313	172.4	.8144
#1	-.2284	66.72	-.2099	2401.
#2	-.9081	67.56	.0826	2441.
#3	.0711	67.02	-.1379	2421.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9706.0	54456.	10310.
Stddev	36.4	399.	83.
%RSD	.37541	.73350	.80364
#1	9745.7	54184.	10232.
#2	9698.3	54269.	10397.
#3	9674.0	54914.	10299.

Sample Name: 460-109361-e-5-a Acquired: 2/27/2016 14:45:31 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	329.3	6.373	-8230	91.26	1.480	21670.
Stddev	7.6	.386	.3849	.37	.084	171.
%RSD	2.296	6.051	46.77	.4061	5.682	.7910

#1	326.0	6.747	-1.176	90.83	1.522	21470.
#2	337.9	5.977	-8801	91.49	1.535	21760.
#3	323.9	6.396	-4127	91.45	1.383	21770.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1133	41.60	.8146	13.93	14870.	2711.
Stddev	.1056	.16	.6945	.09	130.	75.
%RSD	93.17	.3743	85.26	.6161	.8734	2.784

#1	.0118	41.76	.2981	13.93	14720.	2626.
#2	.2226	41.45	.5415	14.02	14950.	2741.
#3	.1057	41.61	1.604	13.85	14940.	2768.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3889.	253.6	80670.	12.02	5.963	.4166
Stddev	37.	1.1	156.	.69	1.569	1.559
%RSD	.9571	.4510	.1938	5.704	26.32	374.2

#1	3846.	252.3	80490.	12.56	7.614	-1.362
#2	3905.	254.3	80770.	11.25	5.786	1.063
#3	3915.	254.2	80750.	12.25	4.490	1.549

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

Sample Name: 460-109361-e-5-a Acquired: 2/27/2016 14:45:31 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.980	.9696	2.325	98.55	53.71	-.3793
Stddev	2.398	2.758	.154	.84	.22	.1951
%RSD	121.1	284.5	6.615	.8511	.4009	51.45

#1	4.002	-.8653	2.176	97.64	53.95	-.5979
#2	-.6698	4.142	2.483	99.30	53.55	-.3176
#3	2.607	-.3677	2.316	98.71	53.62	-.2225

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5621	175.7	.7103	4358.
Stddev	1.141	.1	.1447	29.
%RSD	203.0	.0682	20.37	.6567

#1	-.8774	175.6	.5446	4356.
#2	.7033	175.8	.8114	4330.
#3	-1.512	175.8	.7749	4388.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9720.9	54203.	10389.
Stddev	72.1	513.	192.
%RSD	.74148	.94556	1.8457

#1	9797.6	54763.	10610.
#2	9710.5	54087.	10268.
#3	9654.5	53758.	10290.

Sample Name: 460-108584-g-12-d Acquired: 2/27/2016 14:49:19 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.13	.8645	.0461	.0371	-.0105	-14.88
Stddev	9.56	2.510	.4709	.1841	.1262	1.29
%RSD	85.88	290.3	1021.	496.5	1198.	8.682

#1	21.15	-1.215	-.1711	.1471	.0271	-13.48
#2	2.096	3.653	-.2769	-.1755	-.1512	-15.14
#3	10.16	.1564	.5864	.1397	.0925	-16.02

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0748	-.0191	.2346	.0923	7.706	32.87
Stddev	.0845	.1276	.3912	.2058	7.825	11.20
%RSD	113.0	668.2	166.7	222.9	101.5	34.06

#1	-.1515	.1280	.3847	-.1454	3.818	33.29
#2	-.0887	-.0866	-.2093	.2120	2.588	21.47
#3	.0158	-.0987	.5286	.2104	16.71	43.85

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.138	.1122	323.9	-.5718	-.1870	-1.431
Stddev	2.092	.0353	13.6	.5999	.7918	2.213
%RSD	97.84	31.48	4.188	104.9	423.4	154.6

#1	-1.095	.1407	336.7	-1.222	-.8476	-2.277
#2	-.7733	.0727	325.3	-.4525	.6907	-3.097
#3	-4.547	.1232	309.7	-.0404	-.4040	1.080

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

Sample Name: 460-108584-g-12-d Acquired: 2/27/2016 14:49:19 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.157	-.6312	.1279	1.020	6.808	-.5816
Stddev	1.529	.9274	.3741	.136	.082	.0247
%RSD	132.1	146.9	292.5	13.35	1.211	4.253
#1	1.702	-1.048	-.2327	.8637	6.837	-.5559
#2	2.339	-1.277	.5143	1.113	6.871	-.5837
#3	-.5693	.4315	.1022	1.084	6.714	-.6052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4192	-.0600	-1.006	73.43
Stddev	.3686	.0229	.025	2.02
%RSD	87.94	38.18	2.520	2.755
#1	-.1631	-.0830	-1.023	75.65
#2	-.8417	-.0599	-.9765	72.93
#3	-.2528	-.0372	-1.017	71.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9663.9	54135.	9914.0
Stddev	27.9	732.	90.8
%RSD	.28846	1.3519	.91560
#1	9689.1	53296.	9831.1
#2	9634.0	54468.	9899.8
#3	9668.5	54641.	10011.

Sample Name: 460-109297-j-4-a Acquired: 2/27/2016 14:53:14 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.32	2.006	-5657	87.44	-1.1795	73330.
Stddev	8.76	4.108	.2338	.41	.0477	513.
%RSD	23.48	204.8	41.33	.4687	26.58	.6989

#1	36.20	3.360	-.3332	87.55	-.1724	73660.
#2	29.17	-2.608	-.5630	87.78	-.1358	72740.
#3	46.59	5.266	-.8009	86.99	-.2304	73590.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0326	1.892	.0069	5.837	40.07	2692.
Stddev	.1058	.115	.4846	.495	.79	47.
%RSD	324.6	6.091	7039.	8.486	1.981	1.727

#1	.0775	2.025	-.5480	6.393	40.87	2654.
#2	-.0418	1.818	.2215	5.445	39.28	2744.
#3	-.1334	1.834	.3472	5.672	40.05	2679.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17780.	1993.	98370.	2.660	-2.126	.1006
Stddev	107.	9.	198.	.248	1.083	1.006
%RSD	.6044	.4423	.2012	9.340	50.93	999.9

#1	17860.	2000.	98580.	2.373	-3.242	.8477
#2	17650.	1983.	98190.	2.809	-2.057	.4969
#3	17820.	1996.	98340.	2.798	-1.080	-1.043

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

Sample Name: 460-109297-j-4-a Acquired: 2/27/2016 14:53:14 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.112	-8410	1.274	6.862	88.33	-7401
Stddev	3.060	1.846	.087	.067	.21	.3400
%RSD	275.1	219.5	6.825	.9717	.2407	45.94

#1	-2.158	-2.261	1.209	6.791	88.50	-1.058
#2	1.588	-1.509	1.240	6.874	88.40	-.3814
#3	3.907	1.246	1.373	6.922	88.09	-.7811

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-4488	370.7	2.172	6118.
Stddev	.7401	.5	.065	41.
%RSD	164.9	.1461	3.011	.6724

#1	.1287	371.1	2.229	6097.
#2	-1.283	370.9	2.101	6165.
#3	-.1919	370.1	2.185	6091.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9432.2	52401.	10049.
Stddev	71.8	513.	113.
%RSD	.76161	.97950	1.1280

#1	9387.0	52024.	9963.6
#2	9515.1	52986.	10177.
#3	9394.6	52194.	10005.

Sample Name: 460-109297-I-5-a Acquired: 2/27/2016 14:57:05 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.52	.0483	-.0729	233.0	-.0218	168200.
Stddev	15.89	2.209	.0582	.5	.0638	963.
%RSD	34.90	4573.	79.78	.2158	293.2	.5723

#1	29.67	1.400	-.0491	232.8	.0500	168400.
#2	61.44	-2.501	-.1392	232.6	-.0721	169000.
#3	45.44	1.246	-.0304	233.5	-.0431	167100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1416	-.0144	.0826	.2471	14440.	34510.
Stddev	.0873	.0986	.3126	.0757	38.	85.
%RSD	61.65	682.9	378.4	30.64	.2654	.2454

#1	-.0433	.0517	.4421	.2558	14400.	34590.
#2	-.1714	-.1278	-.1258	.1674	14480.	34520.
#3	-.2101	.0327	-.0684	.3180	14430.	34430.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14830.	3149.	39790.	2.793	-1.633	1.614
Stddev	72.	13.	145.	.701	.690	1.028
%RSD	.4864	.3985	.3649	25.11	42.25	63.70

#1	14830.	3150.	39920.	2.053	-1.064	1.444
#2	14900.	3161.	39820.	2.880	-1.435	.6814
#3	14750.	3136.	39640.	3.447	-2.401	2.717

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

Sample Name: 460-109297-I-5-a Acquired: 2/27/2016 14:57:05 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.993	-1.113	.1266	2.886	161.4	-1.086
Stddev	4.437	1.607	.3925	.008	.6	.522
%RSD	222.7	1444.	309.9	.2915	.3844	48.04
#1	6.155	1.536	-.1901	2.876	161.7	-1.215
#2	2.498	-1.675	.0043	2.890	160.7	-1.531
#3	-2.675	-.1953	.5657	2.892	161.8	-.5118

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3208	642.2	2.508	15000.
Stddev	.3557	.8	.141	223.
%RSD	110.9	.1211	5.626	1.484
#1	.0499	641.3	2.532	14740.
#2	-.3529	642.3	2.636	15120.
#3	-.6593	642.9	2.357	15140.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9303.1	52144.	9848.4
Stddev	97.9	486.	229.1
%RSD	1.0525	.93144	2.3261
#1	9286.6	51968.	9637.6
#2	9214.4	51772.	9815.3
#3	9408.2	52694.	10092.

Sample Name: 460-109297-j-6-a Acquired: 2/27/2016 15:00:53 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.02	2.217	-4.4120	220.8	.0187	53150.
Stddev	13.75	2.877	.2269	.5	.1097	227.
%RSD	41.63	129.8	55.07	.2244	585.0	.4267
#1	17.45	.6090	-.4874	221.1	-.0702	53130.
#2	38.13	.5029	-.5916	221.0	-.0148	52930.
#3	43.49	5.538	-.1570	220.2	.1412	53380.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5384	.4610	.5527	2.889	26.63	2353.
Stddev	.0041	.1880	.3680	.097	7.35	40.
%RSD	.7646	40.78	66.58	3.373	27.61	1.703
#1	.5431	.5161	.6323	3.001	18.93	2309.
#2	.5354	.6154	.1515	2.828	27.37	2361.
#3	.5367	.2517	.8744	2.837	33.58	2388.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7934.	373.5	98340.	1.182	-.6312	-.5212
Stddev	42.	1.1	216.	.452	1.405	1.648
%RSD	.5322	.2913	.2195	38.26	222.6	316.1
#1	7916.	373.0	98570.	1.499	-1.933	1.325
#2	7904.	372.7	98310.	1.384	.8588	-1.843
#3	7982.	374.7	98140.	.6643	-.8197	-1.046

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

Sample Name: 460-109297-j-6-a Acquired: 2/27/2016 15:00:53 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.015	.3085	1.012	3.226	100.3	-.4137
Stddev	1.762	1.991	.362	.169	.4	.1414
%RSD	173.7	645.2	35.78	5.251	.4247	34.17

#1	2.689	1.996	1.430	3.421	100.1	-.5686
#2	-.8238	.8162	.7961	3.121	100.1	-.2917
#3	1.178	-1.887	.8093	3.135	100.8	-.3809

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6008	101.4	1.974	5222.
Stddev	.8486	.4	.213	33.
%RSD	141.2	.3656	10.77	.6277

#1	-1.307	101.0	1.757	5200.
#2	-.8364	101.7	2.182	5260.
#3	.3407	101.4	1.985	5206.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9506.8	52624.	9967.8
Stddev	41.7	422.	33.3
%RSD	.43839	.80186	.33436

#1	9475.0	52655.	9953.1
#2	9491.4	53029.	10006.
#3	9554.0	52187.	9944.3

Sample Name: 460-109297-I-7-a Acquired: 2/27/2016 15:04:42 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	187.8	3.119	-.3157	244.5	-.0605	64070.
Stddev	8.8	1.561	.1513	.5	.0705	186.
%RSD	4.681	50.05	47.92	.1935	116.5	.2908

#1	197.4	2.444	-.4802	244.4	-.0856	63930.
#2	185.8	4.904	-.1825	245.0	-.1151	63990.
#3	180.2	2.009	-.2844	244.0	.0191	64280.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1463	-.0979	1.795	.3630	18140.	10500.
Stddev	.0721	.1133	.353	.2151	21.	66.
%RSD	49.27	115.8	19.66	59.25	.1148	.6245

#1	-.2227	-.1916	1.419	.2296	18120.	10510.
#2	-.0795	.0280	2.118	.6111	18150.	10440.
#3	-.1368	-.1300	1.848	.2483	18160.	10570.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9686.	2693.	35550.	5.943	-4.095	-.2754
Stddev	39.	4.	143.	.553	1.414	1.435
%RSD	.4036	.1440	.4009	9.312	34.52	521.1

#1	9669.	2692.	35540.	6.575	-4.562	-1.681
#2	9659.	2691.	35420.	5.547	-5.217	1.187
#3	9731.	2698.	35700.	5.706	-2.507	-.3317

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

Sample Name: 460-109297-I-7-a Acquired: 2/27/2016 15:04:42 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.663	1.229	2.783	8.162	113.7	-6.262
Stddev	3.442	1.737	.275	.139	.4	.2410
%RSD	129.2	141.4	9.864	1.708	.3453	38.48

#1	-1.283	.5213	2.601	8.007	114.1	-.3687
#2	-6.581	3.208	2.649	8.278	113.6	-.8462
#3	-.1252	-.0436	3.099	8.199	113.3	-.6637

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-3.3633	313.7	4.713	13270.
Stddev	.3872	.8	.232	258.
%RSD	106.6	.2632	4.929	1.945

#1	-.2728	314.0	4.665	12970.
#2	-.7878	312.8	4.508	13460.
#3	-.0294	314.4	4.965	13370.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9456.6	53322.	10231.
Stddev	84.6	97.	134.
%RSD	.89495	.18205	1.3110

#1	9554.3	53225.	10127.
#2	9409.6	53321.	10382.
#3	9406.0	53420.	10183.

Sample Name: 460-109297-I-8-a Acquired: 2/27/2016 15:08:32 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	106.0	5.888	-.3572	256.6	.0433	190700.
Stddev	13.3	2.465	.2123	1.2	.0199	1104.
%RSD	12.58	41.86	59.42	.4692	46.05	.5788

#1	96.93	8.396	-.3152	258.0	.0556	189600.
#2	121.4	3.469	-.5874	256.3	.0540	190500.
#3	99.83	5.799	-.1691	255.6	.0203	191800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1182	.5999	.9215	.4217	10090.	86980.
Stddev	.1111	.1734	.3854	.4538	68.	133.
%RSD	93.97	28.90	41.82	107.6	.6771	.1524

#1	-.1814	.7363	.6286	-.0363	10040.	86830.
#2	-.1833	.6586	.7779	.4302	10070.	87080.
#3	.0101	.4048	1.358	.8712	10170.	87020.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23670.	1598.	69510.	11.13	1.414	.8965
Stddev	96.	4.	113.	.36	.430	.3779
%RSD	.4046	.2364	.1627	3.210	30.40	42.15

#1	23610.	1594.	69610.	11.47	1.764	1.195
#2	23630.	1600.	69530.	11.16	.9339	.4715
#3	23780.	1601.	69380.	10.75	1.543	1.023

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

Sample Name: 460-109297-I-8-a Acquired: 2/27/2016 15:08:32 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.551	-1.340	2.726	5.877	278.5	-0.6972
Stddev	1.473	.533	.360	.036	1.1	.1266
%RSD	95.00	39.79	13.22	.6121	.4098	18.16
#1	.3893	-1.209	2.536	5.859	279.7	-.8351
#2	1.055	-.8846	2.501	5.919	278.4	-.5863
#3	3.208	-1.926	3.142	5.854	277.4	-.6702

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3588	753.0	9.908	9674.
Stddev	.2847	2.9	.195	196.
%RSD	79.35	.3820	1.965	2.023
#1	.0975	754.5	9.701	9710.
#2	.3166	754.8	9.934	9849.
#3	.6623	749.7	10.09	9463.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9273.0	51798.	9917.0
Stddev	42.8	146.	215.9
%RSD	.46205	.28155	2.1773
#1	9272.2	51944.	9993.1
#2	9230.6	51798.	10085.
#3	9316.2	51652.	9673.3

Sample Name: 460-109322-h-3-a Acquired: 2/27/2016 15:12:20 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59.40	1.925	-.2586	169.9	-.0578	81780.
Stddev	7.05	.768	.5038	.1	.0721	735.
%RSD	11.88	39.87	194.9	.0740	124.7	.8992

#1	53.52	1.045	.3198	169.9	-.1196	81800.
#2	57.47	2.453	-.4933	169.9	.0214	81030.
#3	67.22	2.278	-.6022	170.1	-.0752	82500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1171	.4637	.4794	.0342	5199.	67250.
Stddev	.0183	.2503	.4709	.3678	87.	377.
%RSD	15.61	53.98	98.24	1075.	1.679	.5602

#1	-.1066	.3136	.8163	-.1085	5174.	67600.
#2	-.1382	.7527	-.0587	-.2408	5126.	67310.
#3	-.1066	.3248	.6805	.4520	5296.	66850.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14160.	722.5	60090.	21.56	-3.079	.5433
Stddev	132.	4.1	362.	.54	.136	.6401
%RSD	.9339	.5699	.6019	2.489	4.416	117.8

#1	14180.	722.6	60450.	22.10	-3.204	.7556
#2	14020.	718.3	60080.	21.03	-2.934	-.1760
#3	14290.	726.6	59730.	21.55	-3.099	1.050

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

Sample Name: 460-109322-h-3-a Acquired: 2/27/2016 15:12:20 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.456	-.4958	.9419	2.119	121.7	35.35
Stddev	.851	1.080	.2641	.113	.6	.39
%RSD	24.63	217.8	28.04	5.325	.5113	1.099
#1	4.315	-1.487	1.246	2.137	121.2	34.94
#2	3.439	-.6558	.8030	1.999	122.4	35.71
#3	2.613	.6550	.7762	2.222	121.4	35.39

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0258	358.8	2.650	10630.
Stddev	.2946	.4	.316	394.
%RSD	1141.	.1066	11.92	3.709
#1	.2777	358.5	2.880	10260.
#2	-.0446	358.7	2.290	10590.
#3	-.3105	359.2	2.780	11040.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9428.6	52275.	10248.
Stddev	73.8	721.	386.
%RSD	.78294	1.3799	3.7628
#1	9409.5	52226.	9851.8
#2	9510.1	53020.	10269.
#3	9366.3	51580.	10622.

Sample Name: 460-109322-h-4-a Acquired: 2/27/2016 15:16:08 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.97	5.127	.4305	163.7	-.0460	120700.
Stddev	10.05	2.009	.4042	.2	.0331	236.
%RSD	25.14	39.18	93.91	.1435	71.94	.1952

#1	41.20	2.813	.1393	163.9	-.0653	120400.
#2	29.36	6.420	.8920	163.8	-.0078	120900.
#3	49.34	6.148	.2601	163.5	-.0649	120800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0431	2.109	.7662	.7049	314.5	5882.
Stddev	.0582	.138	.6606	.0943	7.2	30.
%RSD	135.2	6.521	86.22	13.38	2.302	.5055

#1	.0760	2.028	1.407	.6805	321.9	5857.
#2	-.0242	2.268	.0875	.8090	307.4	5915.
#3	.0773	2.032	.8038	.6252	314.0	5873.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45210.	9218.	112900.	8.204	-4.160	-3.458
Stddev	80.	66.	70.	.369	1.629	.422
%RSD	.1764	.7133	.0620	4.495	39.15	12.19

#1	45150.	9257.	113000.	8.200	-3.816	-3.643
#2	45300.	9142.	112900.	7.837	-2.731	-2.976
#3	45180.	9255.	112900.	8.575	-5.934	-3.756

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

Sample Name: 460-109322-h-4-a Acquired: 2/27/2016 15:16:08 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4631	1.202	.2043	6.075	81.39	-1.391
Stddev	2.217	.697	.1505	.113	.07	.148
%RSD	478.8	57.96	73.70	1.856	.0826	10.61

#1	3.019	.8221	.1786	5.994	81.47	-1.296
#2	-.6883	.7776	.3660	6.204	81.36	-1.561
#3	-.9417	2.006	.0682	6.027	81.35	-1.316

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2651	703.5	2.344	8996.
Stddev	.4892	.9	.069	50.
%RSD	184.5	.1286	2.958	.5570

#1	-.7661	704.4	2.352	9036.
#2	-.2405	702.6	2.410	9012.
#3	.2112	703.4	2.271	8940.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9331.4	52103.	10045.
Stddev	14.2	124.	137.
%RSD	.15200	.23710	1.3627

#1	9347.8	52060.	10203.
#2	9323.1	52243.	9968.8
#3	9323.3	52007.	9962.4

Sample Name: CCV Acquired: 2/27/2016 15:20:08 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	2528.	1231.	10050.	999.3	123000.
Stddev	527.	1.	5.	6.	4.2	1374.
%RSD	.4285	.0394	.3958	.0565	.4188	1.117

#1	123600.	2527.	1237.	10060.	1004.	124500.
#2	123000.	2529.	1228.	10050.	996.2	122700.
#3	122500.	2528.	1228.	10050.	997.7	121800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1254.	2519.	4935.	12470.	99510.	49570.
Stddev	3.	1.	43.	28.	783.	227.
%RSD	.2437	.0421	.8766	.2251	.7871	.4574

#1	1256.	2520.	4983.	12440.	100400.	49780.
#2	1251.	2518.	4923.	12490.	99320.	49590.
#3	1256.	2519.	4899.	12480.	98850.	49330.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121400.	5056.	124600.	2532.	7572.	1004.
Stddev	1307.	36.	801.	3.	10.	3.
%RSD	1.077	.7067	.6429	.1247	.1267	.2797

#1	122800.	5094.	125500.	2529.	7573.	1001.
#2	121100.	5048.	124300.	2531.	7562.	1005.
#3	120200.	5024.	124000.	2535.	7582.	1006.

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

Sample Name: CCV Acquired: 2/27/2016 15:20:08 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2519.	2583.	2469.	2516.	1002.	2450.
Stddev	3.	6.	14.	16.	6.	3.
%RSD	.1340	.2403	.5540	.6198	.5728	.1112

#1	2516.	2587.	2483.	2531.	995.2	2449.
#2	2522.	2576.	2468.	2500.	1004.	2453.
#3	2519.	2586.	2456.	2516.	1006.	2448.

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	996.3	5022.	10060.	9827.
Stddev	2.2	4.	37.	182.
%RSD	.2232	.0791	.3719	1.855

#1	998.6	5022.	10100.	9692.
#2	996.1	5018.	10060.	9756.
#3	994.2	5026.	10030.	10030.

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	9155.8	51384.	9999.3
Stddev	52.8	685.	258.0
%RSD	.57652	1.3332	2.5801

#1	9100.6	50609.	9737.6
#2	9205.8	51631.	10007.
#3	9160.8	51910.	10253.

Sample Name: CCB Acquired: 2/27/2016 15:23:35 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0700	4.532	-.4140	.0424	-.0964	-24.89
Stddev	5.767	.680	.4693	.2138	.1110	2.88
%RSD	8240.	15.00	113.4	503.8	115.1	11.55
#1	4.530	5.255	-.0466	-.1424	-.0742	-28.16
#2	1.800	3.906	-.2526	-.0068	-.2167	-22.77
#3	-6.540	4.433	-.9427	.2765	.0018	-23.74

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0474	-.0655	.4498	-.2562	3.296	91.11
Stddev	.0999	.0900	.5269	.4235	4.381	25.44
%RSD	210.9	137.2	117.2	165.3	132.9	27.93
#1	.0673	.0380	.0414	-.0583	4.864	93.55
#2	-.0936	-.1103	.2634	-.7424	6.677	115.2
#3	-.1158	-.1243	1.045	.0322	-1.653	64.53

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.874	.1190	81.20	-.3866	.0930	1.055
Stddev	.883	.0676	16.39	.2906	.8216	.804
%RSD	22.79	56.80	20.18	75.15	883.5	76.23
#1	-3.635	.1455	99.40	-.3695	.9797	.2575
#2	-4.851	.0422	76.57	-.6854	-.0583	1.042
#3	-3.135	.1694	67.62	-.1050	-.6425	1.866

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

Sample Name: CCB Acquired: 2/27/2016 15:23:35 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.724	-1.361	.2467	.1537	2.722	1.308
Stddev	1.105	1.250	.1770	.0351	.687	.191
%RSD	40.56	91.84	71.74	22.84	25.23	14.63
#1	1.628	.0729	.4182	.1747	3.497	1.096
#2	2.706	-2.221	.2573	.1132	2.483	1.468
#3	3.837	-1.935	.0647	.1732	2.188	1.360

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4534	.0893	.8753	3.187
Stddev	.0741	.0639	.1714	14.42
%RSD	16.34	71.52	19.58	452.4
#1	-.4865	.1631	.7052	-13.32
#2	-.3685	.0524	.8726	9.522
#3	-.5051	.0525	1.048	13.36

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	9705.7	53762.	10065.
Stddev	62.0	159.	92.
%RSD	.63833	.29575	.91066
#1	9665.5	53916.	10170.
#2	9674.6	53599.	10001.
#3	9777.1	53771.	10023.

Sample Name: CCVL Acquired: 2/27/2016 15:27:30 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	199.9	18.51	8.459	189.2	1.778	4557.
Stddev	12.8	1.01	.215	.4	.162	47.
%RSD	6.398	5.434	2.538	.2033	9.130	1.039

#1	208.1	19.39	8.647	188.9	1.700	4510.
#2	206.3	17.41	8.225	189.6	1.964	4557.
#3	185.1	18.73	8.504	189.2	1.669	4605.

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	3.836	47.90	9.535	21.99	163.3	4565.
Stddev	.111	.20	.603	.02	5.2	19.
%RSD	2.899	.4220	6.326	.0842	3.204	.4227

#1	3.851	47.67	8.984	21.98	167.2	4586.
#2	3.939	47.99	10.18	22.01	165.3	4548.
#3	3.718	48.04	9.443	21.98	157.3	4563.

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	4530.	15.01	4661.	39.22	11.06	18.28
Stddev	68.	.19	7.	.48	1.13	2.10
%RSD	1.490	1.275	.1519	1.222	10.19	11.47

#1	4460.	14.83	4660.	38.71	11.56	15.92
#2	4535.	14.99	4669.	39.67	9.771	19.93
#3	4595.	15.21	4655.	39.29	11.85	19.00

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

Sample Name: CCVL Acquired: 2/27/2016 15:27:30 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.84	19.65	46.17	30.65	45.34	17.57
Stddev	1.29	.26	.58	.13	.24	.08
%RSD	6.175	1.306	1.257	.4167	.5322	.4314
#1	22.27	19.94	45.75	30.52	45.57	17.51
#2	19.76	19.44	45.92	30.65	45.09	17.66
#3	20.50	19.58	46.83	30.78	45.35	17.55

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	45.75	18.90	18.50	F -4.454
Stddev	.44	.17	.20	10.49
%RSD	.9656	.9200	1.099	235.5
#1	46.23	19.10	18.28	-14.96
#2	45.36	18.79	18.67	6.022
#3	45.67	18.81	18.56	-4.427

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	9622.8	53733.	10017.
Stddev	61.2	734.	305.
%RSD	.63551	1.3660	3.0404
#1	9598.4	54401.	10253.
#2	9692.3	53850.	9673.1
#3	9577.6	52947.	10126.

Sample Name: 460-109322-h-5-a Acquired: 2/27/2016 15:31:20 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.02	1.508	-.2936	147.9	-.0096	155100.
Stddev	1.55	2.273	.6150	.3	.0370	536.
%RSD	3.974	150.8	209.5	.2308	386.3	.3454

#1	37.29	.2834	.3187	148.2	.0150	154600.
#2	40.28	4.131	-.2883	147.8	.0084	155100.
#3	39.51	.1095	-.9112	147.6	-.0522	155600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2035	.2563	.5593	-.6228	39450.	28460.
Stddev	.0516	.2220	.3701	.2282	78.	52.
%RSD	25.33	86.65	66.18	36.65	.1974	.1840

#1	-.1649	.0162	.9482	-.5095	39360.	28470.
#2	-.1835	.2984	.2114	-.4733	39470.	28510.
#3	-.2621	.4543	.5181	-.8855	39520.	28410.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18480.	2045.	41750.	28.10	-5.721	2.434
Stddev	57.	4.	50.	.29	.964	.352
%RSD	.3070	.1902	.1195	1.045	16.85	14.46

#1	18410.	2041.	41790.	28.42	-4.608	2.787
#2	18520.	2047.	41770.	28.02	-6.296	2.433
#3	18500.	2048.	41690.	27.85	-6.260	2.083

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

Sample Name: 460-109322-h-5-a Acquired: 2/27/2016 15:31:20 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.699	.8933	.0882	4.124	117.1	.0963
Stddev	3.753	2.687	.5007	.260	.9	.3025
%RSD	79.86	300.8	567.7	6.312	.8089	313.9

#1	-3.188	3.985	-.4860	3.830	118.1	.1180
#2	-1.938	-.4235	.4336	4.324	117.0	.3874
#3	-8.972	-.8813	.3169	4.220	116.2	-.2164

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4201	716.1	1.696	14470.
Stddev	.3735	1.1	.055	248.
%RSD	88.89	.1531	3.262	1.716

#1	-.0744	716.2	1.703	14190.
#2	-.8162	717.1	1.638	14570.
#3	-.3698	714.9	1.748	14650.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9359.4	52319.	10047.
Stddev	30.1	130.	139.
%RSD	.32116	.24841	1.3790

#1	9343.9	52442.	9894.9
#2	9394.0	52333.	10081.
#3	9340.3	52183.	10166.

Sample Name: pds 460-109361-e-8-a Acquired: 2/27/2016 15:35:09 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2172.	1980.	51.76	2086.	52.15	40860.
Stddev	19.	8.	.46	2.	.33	129.
%RSD	.8700	.3868	.8841	.0727	.6378	.3155
#1	2165.	1973.	51.84	2085.	51.97	40990.
#2	2158.	1981.	52.18	2088.	51.95	40730.
#3	2193.	1988.	51.27	2086.	52.53	40860.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.54	544.3	205.4	249.8	11650.	21010.
Stddev	.15	.7	.2	2.0	58.	60.
%RSD	.3015	.1362	.0961	.8159	.4936	.2871
#1	50.49	544.8	205.2	249.1	11600.	20990.
#2	50.71	543.5	205.6	252.1	11720.	20970.
#3	50.42	544.7	205.5	248.2	11640.	21080.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22760.	759.7	98000.	528.2	509.1	486.1
Stddev	73.	2.0	234.	1.9	1.5	1.4
%RSD	.3222	.2636	.2387	.3543	.2935	.2795
#1	22810.	762.0	98240.	526.7	510.7	484.7
#2	22670.	758.4	97980.	530.3	508.5	486.2
#3	22790.	758.7	97780.	527.5	507.9	487.4

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

Sample Name: pds 460-109361-e-8-a Acquired: 2/27/2016 15:35:09 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1984.	2109.	504.8	557.9	552.0	479.2
Stddev	8.	3.	2.5	2.2	1.5	1.8
%RSD	.4246	.1235	.5029	.3991	.2671	.3721
#1	1981.	2109.	503.0	559.6	550.5	477.7
#2	1993.	2112.	507.7	555.4	553.4	481.2
#3	1977.	2107.	503.8	558.7	552.1	478.9

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	510.9	669.4	512.0	4179.
Stddev	.9	1.0	.1	30.
%RSD	.1665	.1556	.0259	.7119
#1	511.8	670.0	512.1	4177.
#2	510.4	670.0	511.9	4150.
#3	510.3	668.2	511.9	4210.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9636.9	53306.	10171.
Stddev	31.2	461.	76.
%RSD	.32353	.86456	.75172
#1	9619.6	52835.	10247.
#2	9672.9	53757.	10173.
#3	9618.2	53326.	10094.

Sample Name: 460-109372-e-2-a Acquired: 2/27/2016 15:38:39 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	144800.	45.53	-2.357	1437.	10.32	156200.
Stddev	1304.	4.60	.354	1.	.15	2974.
%RSD	.9004	10.10	15.01	.0679	1.481	1.904

#1	143300.	46.62	-1.960	1436.	10.29	152900.
#2	145200.	49.48	-2.472	1438.	10.48	157200.
#3	145800.	40.48	-2.639	1437.	10.18	158500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.317	183.2	502.9	1142.	F 267200.	35900.
Stddev	.289	.1	6.2	6.	3668.	302.
%RSD	12.48	.0596	1.235	.4985	1.373	.8400

#1	2.645	183.1	495.8	1149.	263000.	35550.
#2	2.209	183.2	506.0	1140.	268500.	36060.
#3	2.097	183.3	507.0	1138.	270000.	36090.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	171000.	F 10520.	32440.	1398.	349.5	-.0671
Stddev	3248.	177.	234.	1.	1.3	.8777
%RSD	1.899	1.678	.7226	.0550	.3773	1308.

#1	167400.	10330.	32190.	1398.	348.0	.3641
#2	172300.	10550.	32490.	1399.	350.1	.5115
#3	173500.	10680.	32650.	1397.	350.4	-1.077

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-109372-e-2-a Acquired: 2/27/2016 15:38:39 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -11.11	3.822	347.5	3398.	267.7	36.04
Stddev	1.98	2.029	2.3	5.	1.3	.23
%RSD	17.84	53.08	.6746	.1525	.4767	.6259

#1	-11.34	6.103	345.1	3403.	266.8	36.14
#2	-9.022	2.218	347.7	3393.	267.2	35.78
#3	-12.97	3.146	349.8	3397.	269.2	36.20

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.37	492.0	6454.	F 68680.
Stddev	.56	.7	27.	2208.
%RSD	4.560	.1336	.4162	3.215

#1	13.02	491.3	6424.	71230.
#2	12.11	492.1	6465.	67540.
#3	11.98	492.6	6474.	67280.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9750.9	54866.	10696.
Stddev	3.7	1164.	437.
%RSD	.03823	2.1213	4.0871

#1	9747.5	56176.	11200.
#2	9750.3	54468.	10476.
#3	9754.9	53953.	10413.

Sample Name: 460-109372-e-3-a Acquired: 2/27/2016 15:42:24 Type: Unk

Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67220.	23.70	-1.922	818.3	5.296	38540.
Stddev	107.	.32	.168	1.3	.185	158.
%RSD	.1585	1.331	8.765	.1610	3.494	.4108

#1	67170.	23.59	-2.051	818.4	5.117	38550.
#2	67340.	23.46	-1.982	819.5	5.286	38690.
#3	67150.	24.06	-1.731	816.9	5.486	38370.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7200	109.9	227.6	205.9	133100.	26680.
Stddev	.1161	.4	.4	1.0	438.	31.
%RSD	16.13	.3381	.1821	.4852	.3289	.1146

#1	.8446	109.5	227.8	206.1	133200.	26700.
#2	.7006	110.3	227.9	204.9	133400.	26700.
#3	.6148	109.9	227.1	206.8	132600.	26650.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95990.	6880.	34190.	1079.	67.68	-.3270
Stddev	437.	19.	53.	2.	.57	1.122
%RSD	.4552	.2822	.1553	.2153	.8396	343.2

#1	96060.	6879.	34160.	1078.	67.12	-.2024
#2	96390.	6900.	34250.	1081.	68.25	.7276
#3	95520.	6861.	34160.	1077.	67.65	-1.506

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

Sample Name: 460-109372-e-3-a Acquired: 2/27/2016 15:42:24 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.485	2.568	177.8	434.5	139.1	15.44
Stddev	2.274	2.356	.1	4.3	1.2	.34
%RSD	50.70	91.73	.0560	.9913	.8794	2.216
#1	-3.422	.3706	177.9	435.9	138.7	15.81
#2	-7.095	5.055	177.7	438.0	138.1	15.38
#3	-2.937	2.278	177.7	429.7	140.5	15.14

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.392	171.3	3798.	F 63330.
Stddev	.170	.3	3.	46.
%RSD	7.124	.1721	.0748	.0732
#1	-2.415	171.1	3798.	63280.
#2	-2.549	171.2	3801.	63340.
#3	-2.211	171.7	3795.	63370.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9743.6	53981.	10404.
Stddev	74.8	407.	123.
%RSD	.76768	.75357	1.1831
#1	9727.1	53984.	10369.
#2	9678.4	53573.	10301.
#3	9825.3	54386.	10540.

Sample Name: Z 460-109372-e-4-a Acquired: 2/27/2016 15:46:04 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	196600.	61.36	-5.076	2185.	14.92	131800.
Stddev	640.	.91	.433	3.	.34	460.
%RSD	.3255	1.486	8.531	.1227	2.275	.3492

#1	196700.	62.17	-4.983	2184.	14.64	131400.
#2	197100.	60.37	-5.548	2184.	14.82	132300.
#3	195900.	61.54	-4.697	2188.	15.30	131700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.134	286.3	864.3	757.3	F 431400.	48650.
Stddev	.040	.2	4.3	1.3	1485.	175.
%RSD	.7715	.0710	.4968	.1655	.3442	.3600

#1	5.088	286.1	868.9	758.5	430400.	48660.
#2	5.155	286.2	863.7	757.5	433100.	48810.
#3	5.158	286.5	860.4	756.0	430700.	48460.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	245800.	F 15760.	29000.	2025.	795.7	-2.474
Stddev	1019.	99.	64.	1.	1.4	1.049
%RSD	.4144	.6261	.2209	.0327	.1768	42.38

#1	244900.	15650.	29030.	2025.	797.3	-1.324
#2	246900.	15830.	29050.	2024.	794.6	-3.377
#3	245600.	15810.	28930.	2025.	795.2	-2.722

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: Z 460-109372-e-4-a Acquired: 2/27/2016 15:46:04 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -29.23	6.366	524.1	1499.	141.1	52.16
Stddev	3.13	3.023	1.6	5.	.7	.45
%RSD	10.72	47.48	.2980	.3298	.4674	.8657
#1	-26.38	9.811	522.9	1503.	140.5	52.68
#2	-32.59	5.131	525.9	1493.	141.1	51.87
#3	-28.73	4.157	523.6	1500.	141.8	51.94
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.204	461.9	9007.	F 37970.
Stddev	.141	.8	15.	671.
%RSD	4.396	.1765	.1619	1.767
#1	3.319	461.6	9002.	38050.
#2	3.047	461.3	9023.	37270.
#3	3.245	462.9	8996.	38600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	10080.	56602.	11204.
Stddev	13.	343.	307.
%RSD	.13314	.60568	2.7415
#1	10065.	56876.	11096.
#2	10089.	56217.	10965.
#3	10086.	56712.	11551.

Sample Name: 460-109287-a-6-a@50 Acquired: 2/27/2016 15:49:50 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5061.	5.298	-1.1020	60.15	.4201	27480.
Stddev	30.	1.905	.5238	.09	.0519	228.
%RSD	.5982	35.95	513.4	.1469	12.36	.8288
#1	5043.	5.445	.2889	60.12	.3635	27220.
#2	5045.	3.325	.1022	60.25	.4656	27620.
#3	5096.	7.126	-.6971	60.07	.4311	27610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3208	2.090	7.548	35.74	5458.	1025.
Stddev	.0375	.202	.253	.34	50.	41.
%RSD	11.70	9.685	3.357	.9605	.9167	3.969
#1	.2794	2.155	7.826	35.54	5404.	1065.
#2	.3306	1.864	7.329	36.14	5503.	983.3
#3	.3525	2.253	7.489	35.54	5466.	1028.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6911.	178.4	151.0	6.529	7843.	-.9036
Stddev	64.	.9	3.7	.462	31.	1.682
%RSD	.9200	.4957	2.419	7.071	.3909	186.2
#1	6839.	177.4	148.1	6.584	7835.	-1.153
#2	6960.	179.2	149.8	6.961	7877.	-2.447
#3	6933.	178.5	155.1	6.043	7818.	.8895

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

Sample Name: 460-109287-a-6-a@50 Acquired: 2/27/2016 15:49:50 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.020	1.902	9.862	67.22	4.796	-.2140
Stddev	.877	1.449	.179	.05	.226	.1235
%RSD	43.44	76.20	1.814	.0762	4.711	57.69
#1	2.673	3.346	9.978	67.16	4.664	-.0808
#2	2.364	.4478	9.952	67.24	4.667	-.2366
#3	1.023	1.911	9.656	67.26	5.057	-.3247

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.231	108.8	266.5	174.7
Stddev	.232	.3	.6	39.2
%RSD	10.38	.2965	.2284	22.42
#1	2.302	108.5	265.9	130.4
#2	1.972	108.9	267.1	189.1
#3	2.419	109.1	266.6	204.7

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	9625.9	53456.	10001.
Stddev	6.2	329.	168.
%RSD	.06397	.61463	1.6813
#1	9622.5	53835.	10147.
#2	9622.1	53257.	10038.
#3	9633.0	53275.	9816.9

Sample Name: 460-109287-a-16-a@10 Acquired: 2/27/2016 15:53:36 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11910.	9.604	-.2145	165.3	.7265	132900.
Stddev	54.	1.217	.2415	.3	.0864	742.
%RSD	.4566	12.67	112.6	.1879	11.89	.5584

#1	11850.	9.839	.0471	165.7	.7740	132700.
#2	11920.	8.287	-.2619	165.2	.6268	133700.
#3	11960.	10.69	-.4288	165.1	.7788	132200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9842	6.842	26.31	119.8	18930.	1958.
Stddev	.2044	.194	.07	.1	79.	35.
%RSD	20.76	2.838	.2690	.1230	.4198	1.771

#1	.7492	6.759	26.37	119.9	18920.	1925.
#2	1.120	6.704	26.33	119.9	19020.	1994.
#3	1.083	7.064	26.23	119.7	18860.	1957.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23540.	308.1	424.3	18.51	8452.	5.985
Stddev	107.	.8	7.3	1.42	26.	1.817
%RSD	.4539	.2486	1.731	7.683	.3124	30.36

#1	23500.	307.7	418.5	16.91	8448.	3.888
#2	23670.	309.0	432.6	19.64	8480.	7.087
#3	23470.	307.6	421.9	18.97	8427.	6.981

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

Sample Name: 460-109287-a-16-a@10 Acquired: 2/27/2016 15:53:36 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.914	.7010	29.58	248.4	14.98	.0979
Stddev	2.227	.2748	.21	2.0	.23	.1340
%RSD	45.31	39.20	.6937	.8047	1.548	136.9
#1	2.479	.5462	29.61	247.2	14.72	.2462
#2	6.845	1.018	29.77	250.7	15.07	-.0146
#3	5.419	.5385	29.36	247.3	15.16	.0621

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	27.11	510.4	543.8	392.0
Stddev	1.50	1.5	.5	20.5
%RSD	5.525	.2868	.0890	5.242
#1	26.97	508.9	543.3	370.5
#2	28.67	511.8	544.0	411.5
#3	25.68	510.6	544.2	393.8

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	9398.4	52750.	9932.1
Stddev	49.2	396.	206.8
%RSD	.52372	.75013	2.0827
#1	9412.6	52843.	9700.3
#2	9343.7	52316.	10098.
#3	9439.0	53091.	9998.1

Sample Name: 460-109287-a-19-a@4 Acquired: 2/27/2016 15:57:21 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23080.	70.36	-.9113	458.9	2.437	60270.
Stddev	50.	1.20	.5921	.5	.190	367.
%RSD	.2170	1.700	64.97	.1078	7.802	.6081
#1	23030.	70.74	-.5829	458.8	2.232	60160.
#2	23100.	71.32	-.5561	459.4	2.474	60670.
#3	23120.	69.02	-1.595	458.5	2.607	59960.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.088	28.70	77.07	203.4	52060.	5813.
Stddev	.058	.25	.48	.8	280.	40.
%RSD	5.289	.8572	.6249	.4029	.5369	.6877
#1	1.109	28.61	77.54	204.3	52000.	5819.
#2	1.023	28.51	77.08	202.6	52370.	5849.
#3	1.132	28.98	76.58	203.4	51820.	5770.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17210.	458.9	524.6	67.62	497.2	2.498
Stddev	110.	1.9	5.6	.23	2.8	1.255
%RSD	.6362	.4044	1.064	.3353	.5607	50.25
#1	17200.	458.1	522.4	67.67	496.0	2.780
#2	17330.	461.0	520.5	67.83	500.3	1.126
#3	17110.	457.6	530.9	67.38	495.1	3.589

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

Sample Name: 460-109287-a-19-a@4 Acquired: 2/27/2016 15:57:21 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.378	1.092	88.27	429.0	9.615	8.018
Stddev	1.153	2.541	.22	1.7	.159	.108
%RSD	21.45	232.7	.2531	.3911	1.651	1.353
#1	4.878	-.6549	88.21	430.8	9.548	7.946
#2	4.559	-.0756	88.51	427.5	9.796	8.143
#3	6.697	4.006	88.08	428.5	9.501	7.965

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	23.72	507.9	1532.	1886.
Stddev	.54	.4	2.	53.
%RSD	2.262	.0727	.1044	2.823
#1	24.16	508.2	1534.	1939.
#2	23.89	507.5	1532.	1886.
#3	23.12	507.9	1531.	1832.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9587.6	54118.	10059.
Stddev	69.7	526.	117.
%RSD	.72662	.97196	1.1622
#1	9522.4	53862.	10178.
#2	9579.4	53770.	9944.1
#3	9661.0	54723.	10056.

Sample Name: 460-109277-b-1-e@4 Acquired: 2/27/2016 16:01:03 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2823.	1.106	-1.198	19.70	.1715	277.4
Stddev	14.	1.110	.0560	.10	.1153	6.7
%RSD	.4811	100.3	46.73	.4906	67.21	2.425
#1	2808.	-.0663	-.1709	19.78	.0388	272.9
#2	2835.	1.244	-.1285	19.74	.2462	285.1
#3	2825.	2.140	-.0600	19.59	.2297	274.1

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	-.0664	.4020	8.852	2.912	2659.	157.1
Stddev	.1146	.1679	.607	.098	25.	8.0
%RSD	172.6	41.77	6.862	3.366	.9214	5.079
#1	-.0644	.2466	8.754	2.910	2657.	164.7
#2	.0472	.5800	9.502	3.011	2684.	148.8
#3	-.1820	.3793	8.299	2.815	2635.	157.9

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	171.3	20.81	98.27	2.409	11.47	.0716
Stddev	1.4	.09	2.20	.702	.71	.5880
%RSD	.8116	.4407	2.238	29.13	6.220	821.1
#1	172.9	20.72	96.54	2.978	10.83	-.2412
#2	170.5	20.90	100.7	1.625	12.24	-.2939
#3	170.6	20.82	97.53	2.624	11.34	.7500

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

Sample Name: 460-109277-b-1-e@4 Acquired: 2/27/2016 16:01:03 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5064	.1374	5.970	16.05	.9129	-.0607
Stddev	2.536	1.019	.510	.18	.6388	.3090
%RSD	500.8	742.0	8.541	1.108	69.97	508.9
#1	-1.276	.9415	5.931	16.25	.2480	-.2817
#2	-.6150	.4794	6.498	15.91	1.522	-.1928
#3	3.410	-1.009	5.480	15.99	.9688	.2924

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.372	3.482	179.2	1021.
Stddev	.444	.012	.7	28.
%RSD	13.17	.3381	.3672	2.699
#1	3.264	3.473	178.5	1015.
#2	2.992	3.477	179.8	997.0
#3	3.860	3.495	179.4	1051.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9769.7	55043.	10425.
Stddev	95.4	666.	211.
%RSD	.97687	1.2102	2.0230
#1	9662.8	54507.	10438.
#2	9846.5	54834.	10207.
#3	9799.7	55789.	10628.

Sample Name: 460-109277-b-3-c@4 Acquired: 2/27/2016 16:04:55 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2207.	.5588	-.6335	11.23	.1895	57.60
Stddev	21.	1.633	.1351	.15	.0141	1.50
%RSD	.9419	292.3	21.33	1.323	7.417	2.600
#1	2185.	-1.075	-.7777	11.32	.1736	55.96
#2	2210.	2.191	-.6131	11.06	.2001	57.97
#3	2227.	.5607	-.5097	11.32	.1950	58.88

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0633	.5469	5.829	.9421	2099.	116.4
Stddev	.1099	.2085	.052	.1551	3.	35.9
%RSD	173.6	38.13	.8977	16.46	.1649	30.86
#1	-.0992	.7012	5.773	1.058	2096.	77.72
#2	.0600	.3097	5.876	.7660	2103.	122.7
#3	-.1507	.6298	5.838	1.002	2099.	148.7

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	108.7	28.10	68.34	2.249	5.379	1.074
Stddev	4.4	.16	5.54	.585	1.025	.959
%RSD	4.035	.5742	8.113	25.99	19.05	89.28
#1	103.8	27.98	64.07	2.873	6.040	.1209
#2	109.9	28.29	74.60	1.714	4.198	1.063
#3	112.3	28.04	66.35	2.160	5.898	2.038

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

Sample Name: 460-109277-b-3-c@4 Acquired: 2/27/2016 16:04:55 Type: Unk
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.765	.6818	4.244	11.14	1.101	-.4837
Stddev	1.058	1.969	.472	.15	.253	.1364
%RSD	28.10	288.8	11.12	1.382	23.01	28.21
#1	3.358	2.955	4.684	11.00	.8588	-.3414
#2	2.972	-.4260	4.304	11.11	1.364	-.6134
#3	4.967	-.4839	3.745	11.31	1.079	-.4962

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3078	1.712	143.0	509.0
Stddev	.6586	.035	1.0	26.6
%RSD	213.9	2.073	.7001	5.226
#1	-1.021	1.715	142.0	479.8
#2	-.1799	1.745	144.0	515.6
#3	.2773	1.675	143.1	531.7

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	9744.9	55319.	10564.
Stddev	19.9	187.	99.
%RSD	.20433	.33817	.94027
#1	9766.8	55530.	10679.
#2	9727.9	55174.	10511.
#3	9740.0	55254.	10503.

Sample Name: CCV Acquired: 2/27/2016 16:08:47 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122500.	2500.	1216.	9957.	994.2	122900.
Stddev	678.	9.	6.	5.	4.5	1131.
%RSD	.5538	.3623	.5057	.0491	.4528	.9202

#1	122800.	2491.	1223.	9961.	996.4	123600.
#2	122900.	2509.	1215.	9958.	997.2	123400.
#3	121700.	2499.	1211.	9951.	989.0	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	1245.	2500.	4918.	12310.	99220.	49480.
Stddev	4.	2.	39.	26.	685.	280.
%RSD	.3163	.0787	.7901	.2135	.6903	.5666

#1	1250.	2501.	4942.	12310.	99650.	49650.
#2	1242.	2497.	4939.	12290.	99570.	49640.
#3	1244.	2501.	4873.	12340.	98430.	49160.

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	121000.	5044.	125500.	2513.	7533.	986.5
Stddev	1018.	28.	926.	2.	24.	3.0
%RSD	.8409	.5563	.7381	.0993	.3247	.3014

#1	121600.	5062.	126200.	2514.	7560.	983.2
#2	121600.	5057.	125900.	2510.	7514.	988.9
#3	119800.	5011.	124400.	2515.	7524.	987.4

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

Sample Name: CCV Acquired: 2/27/2016 16:08:47 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2488.	2565.	2450.	2508.	987.3	2429.
Stddev	14.	9.	9.	23.	5.6	2.
%RSD	.5804	.3567	.3501	.9261	.5634	.0876

#1	2473.	2571.	2454.	2534.	980.9	2428.
#2	2501.	2570.	2456.	2489.	990.4	2432.
#3	2491.	2555.	2440.	2502.	990.7	2428.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	992.6	4981.	9993.	9615.
Stddev	2.8	7.	23.	149.
%RSD	.2813	.1491	.2292	1.546

#1	995.4	4984.	10020.	9606.
#2	989.8	4986.	9994.	9472.
#3	992.7	4972.	9969.	9768.

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	9167.2	51196.	9797.2
Stddev	76.3	455.	194.6
%RSD	.83239	.88785	1.9866

#1	9090.8	50955.	9696.2
#2	9243.4	50912.	9673.8
#3	9167.5	51720.	10022.

Sample Name: CCB Acquired: 2/27/2016 16:12:15 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.73	2.644	-.4503	.3945	-.0863	-27.46
Stddev	14.59	.162	.1805	.3514	.0860	5.77
%RSD	124.4	6.121	40.09	89.08	99.67	21.02
#1	28.56	2.461	-.5663	.7998	-.1400	-24.62
#2	2.682	2.770	-.2423	.1751	-.1319	-23.65
#3	3.939	2.700	-.5422	.2086	.0129	-34.10

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0356	.2271	.4685	-.3612	8.737	54.05
Stddev	.0998	.1331	.4632	.7699	9.448	18.23
%RSD	280.3	58.59	98.88	213.1	108.1	33.72
#1	-.1355	.3755	.7610	.4924	14.49	47.07
#2	-.0356	.1876	.7100	-.5728	13.89	74.74
#3	.0642	.1183	-.0656	-1.003	-2.168	40.35

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.762	.2613	51.05	.4146	.6786	1.487
Stddev	9.438	.3183	10.48	.0747	1.351	.671
%RSD	341.8	121.8	20.53	18.03	199.1	45.11
#1	13.39	.6210	63.11	.3426	-.5187	.7308
#2	-4.631	.1472	46.03	.4093	.4109	1.721
#3	-4.767	.0158	44.03	.4918	2.144	2.010

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

Sample Name: CCB Acquired: 2/27/2016 16:12:15 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.248	.0729	-.0603	.1295	1.584	1.558
Stddev	1.955	.3375	.2077	.2030	.640	.117
%RSD	60.20	462.8	344.3	156.8	40.39	7.505
#1	2.436	-.0720	.0213	.3615	2.256	1.623
#2	5.479	-.1679	-.2965	-.0151	1.512	1.423
#3	1.830	.4587	.0942	.0420	.9826	1.627

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3587	.1433	1.175	8.236
Stddev	.7203	.1044	.089	30.51
%RSD	200.8	72.87	7.543	370.5
#1	.0971	.2267	1.277	43.47
#2	-.1941	.0262	1.112	-9.943
#3	1.173	.1770	1.137	-8.815

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	9721.3	54211.	10148.
Stddev	50.4	237.	92.
%RSD	.51869	.43658	.90244
#1	9776.1	54053.	10055.
#2	9711.1	54097.	10238.
#3	9676.8	54483.	10152.

Sample Name: CCVL Acquired: 2/27/2016 16:16:10 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	187.1	15.33	8.616	190.0	1.816	4585.
Stddev	7.1	3.65	.131	.1	.105	11.
%RSD	3.780	23.82	1.519	.0638	5.795	.2358

#1	183.9	12.92	8.580	189.9	1.706	4580.
#2	195.3	19.53	8.761	189.9	1.828	4577.
#3	182.3	13.54	8.507	190.1	1.915	4597.

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	3.870	48.12	9.201	22.76	163.4	4618.
Stddev	.089	.02	.151	.23	2.2	24.
%RSD	2.298	.0516	1.638	.9987	1.326	.5267

#1	3.973	48.13	9.037	22.71	161.6	4590.
#2	3.825	48.14	9.333	22.57	162.7	4635.
#3	3.814	48.09	9.234	23.01	165.8	4628.

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	4570.	15.21	4711.	39.48	10.67	18.05
Stddev	33.	.03	23.	.52	.45	2.03
%RSD	.7138	.2169	.4814	1.328	4.185	11.28

#1	4554.	15.18	4731.	39.98	10.26	16.50
#2	4548.	15.21	4686.	38.93	11.14	20.35
#3	4607.	15.25	4715.	39.52	10.60	17.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 2/27/2016 16:16:10 Type: QC
Method: BC021416(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.89	20.32	46.54	31.30	45.02	17.39
Stddev	2.84	1.35	.17	.20	.18	.28
%RSD	13.62	6.633	.3739	.6501	.3921	1.623
#1	24.17	21.56	46.64	31.50	45.19	17.46
#2	19.37	18.89	46.65	31.30	45.02	17.09
#3	19.13	20.51	46.34	31.10	44.84	17.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.97	19.20	18.65	F 12.62
Stddev	.48	.06	.32	23.57
%RSD	1.031	.3111	1.737	186.8
#1	47.42	19.17	18.39	-13.33
#2	47.04	19.17	18.55	18.48
#3	46.46	19.27	19.01	32.70

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	9680.0	53540.	9906.1
Stddev	21.7	254.	193.6
%RSD	.22459	.47499	1.9545
#1	9666.9	53558.	9732.0
#2	9668.0	53785.	9871.8
#3	9705.1	53277.	10115.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Batch Number: 352810 Batch Start Date: 02/26/16 22:00 Batch Analyst: Esteban, Edgardo ABatch Method: 3050B Batch End Date: 02/27/16 02:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_87 00006	
MB 460-352810/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-352810/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL		1 g	
460-109370-C-1 DU		3050B, 6010C	T	CALC NOT SET TO RUN	1.28 g	50 mL			
460-109370-C-1 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.20 g	50 mL	2 mL		
460-109447-A-1	A1	3050B, 6010C	T	CALC NOT SET TO RUN	1.34 g	50 mL			
460-109447-A-2	A2	3050B, 6010C	T	CALC NOT SET TO RUN	1.22 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	153972 (Fisher Chemical Brand)
Logbook ID for diluted Nitric	MPR278
Lot # of Nitric Acid	0000124258
Hot Block ID	#1
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#42
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J224200-1123
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-109447-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID

A1

A2

Lab Sample ID

460-109447-1

460-109447-2

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-109447-1
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: 460-109447-1
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.: 460-109447-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 02/26/2016 20:21 End Date: 02/26/2016 20:21

[illegible]

Prep Types

$$T = \text{Total}/NA$$

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-109447-1

SDG No.: _____

Batch Number: 352798 Batch Start Date: 02/26/16 20:21 Batch Analyst: Hodge, Joshua DBatch Method: Moisture Batch End Date: 02/27/16 09:31

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-109447-A-1	A1	Moisture	T	153	0.98 g	5.78 g	5.50 g		
460-109447-A-2	A2	Moisture	T	154	1.02 g	6.06 g	5.69 g		
460-109268-D-3 DU		Moisture	T	173	1.00 g	5.62 g	5.07 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	2/26/16
Oven Temp In	103 Degrees C
Time samples were place in the oven	20:45
Date samples were removed from oven	2/27/16
Oven Temp Out	104 Degrees C
Time Samples were removed from oven	09:27
Oven ID	2
Thermometer ID	115941
Uncorrected In Temperature	103 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

C

460-109447 Chain of Custody



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)

IAN HOFMANN

Samplers Name (Printed)

EAR-SG

Site/Project Identification

DEC-Edmont 346 / E130150

Company

EAR

P.O. #

State (Location of site): NJ: ☐ NY: ☒ Other: ☐

Address

225 Atlantic Ave

Analysis Turnaround Time

Standard ☐

Rush Charges Authorized For:

2 Week ☐

1 Week ☐

Other ☒ 24-Hr

ANALYSIS REQUESTED (ENTER % BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:

Job No:

Sample Numbers

109447

-1

-2

1-Day
RUSH

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH

6 = Other (UNH2S), 7 = Other

Soil: 6 6

Water:

Special Instructions

LABORATORY DELIVERABLES

Water Metals Filtered (Yes/No)?

Relinquished by

Steph Gault

Company

EAR

Date / Time

2/26/16 1307

Received by

[Signature]

Company

EA

Relinquished by

[Signature]

Company

EAR

Date / Time

2/26/16 1740

Received by

[Signature]

Company

EA Edison

Relinquished by

[Signature]

Company

EAR

Date / Time

1

Received by

[Signature]

Company

EAR

4)

Company

Date / Time

Received by

Company

1740

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

6/1/21 IRLAG NOCC

TAL-0016 (0715)

109447

	R/W	CORRECTED	TD	R/W	CORRECTED	TD	R/W	CORRECTED	TD
Cooler #1:	11.1	21	°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

	R/W	CORRECTED TO		R/W	CORRECTED TO		R/W	CORRECTED TO
Cooler #1:	11.1 °C	21 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

[illegible]

Page 651 of 652

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-109447-1

Login Number: 109447
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C, IR #6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.