

ANALYTICAL REPORT

Job Number: 460-111496-1

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
5/25/2016 2:55 PM

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05/25/2016
Revision: 2

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Job Number: 460-111496-1

Job Description: DEC Elmont546; Site: E130150

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

Approved for release.
Melissa Haas
Project Manager I
5/25/2016 2:55 PM

Melissa Haas

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Elmont546; Site: E130150

Report Number: 460-111496-1

Revision #2

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: 460-111496-1. Details are as follows: The serial dilution results were incorrect for method 6010C.

REVISION #2

The following report required a revision: 460-111496-1. Details are as follows: The client requested that ICVs be reported for SVOC analysis.

RECEIPT

The samples were received on 3/30/2016 5:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

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

SEMIVOLATILE ORGANIC COMPOUNDS

Samples B3 (460-111496-1), D2 (460-111496-2), D3 (460-111496-3) and FD-Y (460-111496-4) were analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/06/2016 and analyzed on 04/12/2016.

The continuing calibration verification (CCV) analyzed in 460-361342 was outside the method criteria for the following analyte(s): 4-Nitroaniline, 4-Nitrophenol and 2,4-Dinitrophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in 460-361481 was outside the method criteria for the following analyte(s): 3,3'-Dichlorobenzidine and Di-n-butyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Surrogate recovery for the following sample was outside the upper control limit: (LCS 460-361064/3-A). Spike compounds are within QC limits. 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl, 2-Fluorophenol (Surr) and Phenol-d5 (Surr) failed the surrogate recovery criteria high for LCS 460-361064/3-A.

Several analytes failed the recovery criteria low for the MS/MSD of sample D3MS (460-111496-3) in batch 460-362028. Several analytes failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, Several analytes exceeded the RPD limit.

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

Refer to the QC report for details.

Samples D2 (460-111496-2)[2X] and D3 (460-111496-3)[2X] required dilution prior to analysis. The reporting limits have been adjusted

accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples B3 (460-111496-1), D2 (460-111496-2), D3 (460-111496-3) and FD-Y (460-111496-4) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 04/08/2016 and analyzed on 04/10/2016.

Antimony and Lead failed the recovery criteria low for the MS of sample D3MS (460-111496-3) in batch 460-361771. Aluminum, Calcium, Iron and Manganese failed the recovery criteria high.

Copper, Lead and Magnesium exceeded the RPD limit for the duplicate of sample D3DU (460-111496-3).

Refer to the QC report for details.

Samples B3 (460-111496-1)[4X], D2 (460-111496-2)[4X], D3 (460-111496-3)[4X] and FD-Y (460-111496-4)[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 B3 (460-111496-1), D2 (460-111496-2), D3 (460-111496-3) and FD-Y (460-111496-4) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 04/08/2016.

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: 460-111496-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-111496-1	B3	Solid	03/30/16 14:35	03/30/16 17:50
460-111496-2	D2	Solid	03/30/16 13:25	03/30/16 17:50
460-111496-3	D3	Solid	03/30/16 14:10	03/30/16 17:50
460-111496-4	FD-Y	Solid	03/30/16 00:00	03/30/16 17:50

Detection Summary

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: B3

Lab Sample ID: 460-111496-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthene	22	J	350	8.5	ug/Kg	1	☼	8270D	Total/NA	
Acenaphthylene	16	J	350	9.1	ug/Kg	1	☼	8270D	Total/NA	
Anthracene	55	J	350	33	ug/Kg	1	☼	8270D	Total/NA	
Benzo[a]anthracene	240		35	29	ug/Kg	1	☼	8270D	Total/NA	
Benzo[a]pyrene	270		35	11	ug/Kg	1	☼	8270D	Total/NA	
Benzo[b]fluoranthene	330		35	14	ug/Kg	1	☼	8270D	Total/NA	
Benzo[g,h,i]perylene	190	J	350	20	ug/Kg	1	☼	8270D	Total/NA	
Benzo[k]fluoranthene	120		35	15	ug/Kg	1	☼	8270D	Total/NA	
Carbazole	35	J	350	8.7	ug/Kg	1	☼	8270D	Total/NA	
Chrysene	280	J	350	9.6	ug/Kg	1	☼	8270D	Total/NA	
Dibenz(a,h)anthracene	55		35	18	ug/Kg	1	☼	8270D	Total/NA	
Dibenzofuran	12	J	350	11	ug/Kg	1	☼	8270D	Total/NA	
Fluoranthene	500		350	10	ug/Kg	1	☼	8270D	Total/NA	
Fluorene	19	J	350	7.7	ug/Kg	1	☼	8270D	Total/NA	
Indeno[1,2,3-cd]pyrene	270		35	23	ug/Kg	1	☼	8270D	Total/NA	
Phenanthrene	300	J	350	9.4	ug/Kg	1	☼	8270D	Total/NA	
Pyrene	380		350	16	ug/Kg	1	☼	8270D	Total/NA	
Aluminum	3480		41.9	21.6	mg/Kg	4	☼	6010C	Total/NA	
Arsenic	2.1	J	3.1	1.0	mg/Kg	4	☼	6010C	Total/NA	
Barium	430		41.9	1.5	mg/Kg	4	☼	6010C	Total/NA	
Calcium	547	J	1050	62.1	mg/Kg	4	☼	6010C	Total/NA	
Chromium	6.3		2.1	1.0	mg/Kg	4	☼	6010C	Total/NA	
Cobalt	2.3	J	10.5	1.2	mg/Kg	4	☼	6010C	Total/NA	
Copper	19.8		5.2	1.4	mg/Kg	4	☼	6010C	Total/NA	
Iron	6930		31.5	23.7	mg/Kg	4	☼	6010C	Total/NA	
Lead	2120		2.1	0.82	mg/Kg	4	☼	6010C	Total/NA	
Magnesium	577	J	1050	52.3	mg/Kg	4	☼	6010C	Total/NA	
Manganese	183		3.1	1.1	mg/Kg	4	☼	6010C	Total/NA	
Nickel	8.2	J	8.4	1.5	mg/Kg	4	☼	6010C	Total/NA	
Potassium	165	J	1050	31.8	mg/Kg	4	☼	6010C	Total/NA	
Vanadium	6.9	J	10.5	1.0	mg/Kg	4	☼	6010C	Total/NA	
Zinc	142		6.3	1.5	mg/Kg	4	☼	6010C	Total/NA	

Client Sample ID: D2

Lab Sample ID: 460-111496-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	32	J	730	16	ug/Kg	2	☼	8270D	Total/NA	
Acenaphthene	120	J	730	18	ug/Kg	2	☼	8270D	Total/NA	
Acenaphthylene	240	J	730	19	ug/Kg	2	☼	8270D	Total/NA	
Anthracene	720	J	730	70	ug/Kg	2	☼	8270D	Total/NA	
Benzo[a]anthracene	2600		73	61	ug/Kg	2	☼	8270D	Total/NA	
Benzo[a]pyrene	2600		73	22	ug/Kg	2	☼	8270D	Total/NA	
Benzo[b]fluoranthene	3900		73	29	ug/Kg	2	☼	8270D	Total/NA	
Benzo[g,h,i]perylene	1900		730	42	ug/Kg	2	☼	8270D	Total/NA	
Benzo[k]fluoranthene	1600		73	32	ug/Kg	2	☼	8270D	Total/NA	
Bis(2-ethylhexyl) phthalate	360	J	730	29	ug/Kg	2	☼	8270D	Total/NA	
Butyl benzyl phthalate	410	J	730	23	ug/Kg	2	☼	8270D	Total/NA	
Carbazole	170	J	730	18	ug/Kg	2	☼	8270D	Total/NA	
Chrysene	2800		730	20	ug/Kg	2	☼	8270D	Total/NA	
Dibenz(a,h)anthracene	560		73	38	ug/Kg	2	☼	8270D	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: 460-111496-1

Client Sample ID: D2 (Continued)

Lab Sample ID: 460-111496-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenzofuran	58	J	730	22	ug/Kg	2	☼	8270D	Total/NA
Di-n-butyl phthalate	2000		730	22	ug/Kg	2	☼	8270D	Total/NA
Fluoranthene	4200		730	22	ug/Kg	2	☼	8270D	Total/NA
Fluorene	130	J	730	16	ug/Kg	2	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2600		73	49	ug/Kg	2	☼	8270D	Total/NA
Naphthalene	47	J	730	19	ug/Kg	2	☼	8270D	Total/NA
Phenanthrene	1700		730	20	ug/Kg	2	☼	8270D	Total/NA
Pyrene	3100		730	33	ug/Kg	2	☼	8270D	Total/NA
Aluminum	3810		42.0	21.6	mg/Kg	4	☼	6010C	Total/NA
Arsenic	5.3		3.1	1.0	mg/Kg	4	☼	6010C	Total/NA
Barium	275		42.0	1.5	mg/Kg	4	☼	6010C	Total/NA
Cadmium	1.5		0.84	0.44	mg/Kg	4	☼	6010C	Total/NA
Calcium	5910		1050	62.1	mg/Kg	4	☼	6010C	Total/NA
Chromium	12.7		2.1	1.0	mg/Kg	4	☼	6010C	Total/NA
Cobalt	3.4	J	10.5	1.2	mg/Kg	4	☼	6010C	Total/NA
Copper	45.5		5.2	1.4	mg/Kg	4	☼	6010C	Total/NA
Iron	16700		31.5	23.7	mg/Kg	4	☼	6010C	Total/NA
Lead	1170		2.1	0.82	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2000		1050	52.4	mg/Kg	4	☼	6010C	Total/NA
Manganese	181		3.1	1.1	mg/Kg	4	☼	6010C	Total/NA
Nickel	11.7		8.4	1.5	mg/Kg	4	☼	6010C	Total/NA
Potassium	310	J	1050	31.8	mg/Kg	4	☼	6010C	Total/NA
Vanadium	13.0		10.5	1.0	mg/Kg	4	☼	6010C	Total/NA
Zinc	379		6.3	1.5	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: D3

Lab Sample ID: 460-111496-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	35	J	710	17	ug/Kg	2	☼	8270D	Total/NA
Acenaphthylene	53	J	710	18	ug/Kg	2	☼	8270D	Total/NA
Anthracene	170	J	710	68	ug/Kg	2	☼	8270D	Total/NA
Benzo[a]anthracene	660		71	59	ug/Kg	2	☼	8270D	Total/NA
Benzo[a]pyrene	710		71	22	ug/Kg	2	☼	8270D	Total/NA
Benzo[b]fluoranthene	950		71	28	ug/Kg	2	☼	8270D	Total/NA
Benzo[g,h,i]perylene	440	J	710	41	ug/Kg	2	☼	8270D	Total/NA
Benzo[k]fluoranthene	390		71	31	ug/Kg	2	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	38	J	710	28	ug/Kg	2	☼	8270D	Total/NA
Butyl benzyl phthalate	46	J	710	22	ug/Kg	2	☼	8270D	Total/NA
Carbazole	41	J	710	18	ug/Kg	2	☼	8270D	Total/NA
Chrysene	700	J	710	19	ug/Kg	2	☼	8270D	Total/NA
Dibenz(a,h)anthracene	120		71	37	ug/Kg	2	☼	8270D	Total/NA
Di-n-butyl phthalate	27	J	710	21	ug/Kg	2	☼	8270D	Total/NA
Fluoranthene	1200		710	21	ug/Kg	2	☼	8270D	Total/NA
Fluorene	36	J	710	15	ug/Kg	2	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	580		71	47	ug/Kg	2	☼	8270D	Total/NA
Phenanthrene	500	J	710	19	ug/Kg	2	☼	8270D	Total/NA
Pyrene	690	J	710	32	ug/Kg	2	☼	8270D	Total/NA
Aluminum	3930		42.7	22.0	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.1	J	3.2	1.0	mg/Kg	4	☼	6010C	Total/NA
Barium	106		42.7	1.5	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: 460-111496-1

Client Sample ID: D3 (Continued)

Lab Sample ID: 460-111496-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Calcium	1450		1070	63.2	mg/Kg	4	☼		6010C	Total/NA
Chromium	7.7		2.1	1.0	mg/Kg	4	☼		6010C	Total/NA
Cobalt	2.7	J	10.7	1.2	mg/Kg	4	☼		6010C	Total/NA
Copper	23.6		5.3	1.4	mg/Kg	4	☼		6010C	Total/NA
Iron	8800		32.0	24.1	mg/Kg	4	☼		6010C	Total/NA
Lead	236		2.1	0.84	mg/Kg	4	☼		6010C	Total/NA
Magnesium	921	J	1070	53.2	mg/Kg	4	☼		6010C	Total/NA
Manganese	144		3.2	1.1	mg/Kg	4	☼		6010C	Total/NA
Nickel	20.3		8.5	1.6	mg/Kg	4	☼		6010C	Total/NA
Potassium	301	J	1070	32.3	mg/Kg	4	☼		6010C	Total/NA
Vanadium	14.0		10.7	1.1	mg/Kg	4	☼		6010C	Total/NA
Zinc	214		6.4	1.6	mg/Kg	4	☼		6010C	Total/NA

Client Sample ID: FD-Y

Lab Sample ID: 460-111496-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthylene	12	J	360	9.3	ug/Kg	1	☼		8270D	Total/NA
Benzo[a]anthracene	140		36	30	ug/Kg	1	☼		8270D	Total/NA
Benzo[a]pyrene	160		36	11	ug/Kg	1	☼		8270D	Total/NA
Benzo[b]fluoranthene	210		36	14	ug/Kg	1	☼		8270D	Total/NA
Benzo[g,h,i]perylene	120	J	360	21	ug/Kg	1	☼		8270D	Total/NA
Benzo[k]fluoranthene	79		36	16	ug/Kg	1	☼		8270D	Total/NA
Carbazole	17	J	360	9.0	ug/Kg	1	☼		8270D	Total/NA
Chrysene	180	J	360	9.8	ug/Kg	1	☼		8270D	Total/NA
Dibenz(a,h)anthracene	35	J	36	19	ug/Kg	1	☼		8270D	Total/NA
Fluoranthene	300	J	360	11	ug/Kg	1	☼		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	170		36	24	ug/Kg	1	☼		8270D	Total/NA
Phenanthrene	150	J	360	9.6	ug/Kg	1	☼		8270D	Total/NA
Pyrene	230	J	360	16	ug/Kg	1	☼		8270D	Total/NA
Aluminum	3970		42.1	21.7	mg/Kg	4	☼		6010C	Total/NA
Arsenic	2.3	J	3.2	1.0	mg/Kg	4	☼		6010C	Total/NA
Barium	71.7		42.1	1.5	mg/Kg	4	☼		6010C	Total/NA
Calcium	530	J	1050	62.3	mg/Kg	4	☼		6010C	Total/NA
Chromium	7.0		2.1	1.0	mg/Kg	4	☼		6010C	Total/NA
Cobalt	3.4	J	10.5	1.2	mg/Kg	4	☼		6010C	Total/NA
Copper	21.4		5.3	1.4	mg/Kg	4	☼		6010C	Total/NA
Iron	7950		31.6	23.8	mg/Kg	4	☼		6010C	Total/NA
Lead	792		2.1	0.83	mg/Kg	4	☼		6010C	Total/NA
Magnesium	651	J	1050	52.5	mg/Kg	4	☼		6010C	Total/NA
Manganese	244		3.2	1.1	mg/Kg	4	☼		6010C	Total/NA
Nickel	11.1		8.4	1.5	mg/Kg	4	☼		6010C	Total/NA
Potassium	172	J	1050	31.9	mg/Kg	4	☼		6010C	Total/NA
Vanadium	7.7	J	10.5	1.1	mg/Kg	4	☼		6010C	Total/NA
Zinc	161		6.3	1.5	mg/Kg	4	☼		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Method Summary

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

TestAmerica Job ID: 460-111496-1

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: 460-111496-1

Client Sample ID: B3

Date Collected: 03/30/16 14:35

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-1

Matrix: Solid

Percent Solids: 93.5

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	☼	04/06/16 10:38	04/12/16 11:38	1
1,2,4,5-Tetrachlorobenzene	350	U	350	26	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,2'-oxybis[1-chloropropane]	350	U	350	15	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,3,4,6-Tetrachlorophenol	350	U	350	33	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,4,5-Trichlorophenol	350	U	350	35	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,4,6-Trichlorophenol	140	U	140	10	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,4-Dichlorophenol	140	U	140	8.3	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,4-Dimethylphenol	350	U	350	78	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,4-Dinitrophenol	280	U	280	270	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,4-Dinitrotoluene	71	U	71	14	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2,6-Dinitrotoluene	71	U	71	19	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2-Chloronaphthalene	350	U	350	8.0	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2-Chlorophenol	350	U	350	9.0	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2-Methylnaphthalene	350	U	350	7.8	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2-Methylphenol	350	U	350	15	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2-Nitroaniline	350	U	350	12	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
2-Nitrophenol	350	U	350	12	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
4,6-Dinitro-2-methylphenol	280	U	280	94	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
4-Chloro-3-methylphenol	350	U	350	15	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
4-Chloroaniline	350	U	350	9.1	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
4-Chlorophenyl phenyl ether	350	U	350	11	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
4-Methylphenol	350	U	350	9.6	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
4-Nitrophenol	710	U	710	170	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Acenaphthene	22	J	350	8.5	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Acenaphthylene	16	J	350	9.1	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Acetophenone	350	U	350	7.7	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Anthracene	55	J	350	33	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Atrazine	140	U	140	16	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Benzaldehyde	350	U	350	27	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Benzo[a]anthracene	240		35	29	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Benzo[a]pyrene	270		35	11	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Benzo[b]fluoranthene	330		35	14	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Benzo[g,h,i]perylene	190	J	350	20	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Benzo[k]fluoranthene	120		35	15	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Bis(2-chloroethyl)ether	35	U	35	8.3	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Bis(2-ethylhexyl) phthalate	350	U	350	14	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Caprolactam	350	U	350	25	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Carbazole	35	J	350	8.7	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Chrysene	280	J	350	9.6	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Dibenz(a,h)anthracene	55		35	18	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Dibenzofuran	12	J	350	11	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Diethyl phthalate	350	U	350	10	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: B3

Date Collected: 03/30/16 14:35

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-1

Matrix: Solid

Percent Solids: 93.5

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	11	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Fluoranthene	500		350	10	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Fluorene	19 J		350	7.7	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Hexachlorobutadiene	71	U	71	9.9	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Indeno[1,2,3-cd]pyrene	270		35	23	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Isophorone	140	U	140	7.6	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Naphthalene	350	U	350	9.0	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Pentachlorophenol	280	U	280	43	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Phenanthrene	300 J		350	9.4	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Phenol	350	U	350	12	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1
Pyrene	380		350	16	ug/Kg	☼	04/06/16 10:38	04/12/16 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	43		10 - 95	04/06/16 10:38	04/12/16 11:38	1
2-Fluorobiphenyl	61		27 - 84	04/06/16 10:38	04/12/16 11:38	1
2-Fluorophenol (Surr)	54		21 - 84	04/06/16 10:38	04/12/16 11:38	1
Nitrobenzene-d5 (Surr)	60		28 - 92	04/06/16 10:38	04/12/16 11:38	1
Phenol-d5 (Surr)	55		22 - 88	04/06/16 10:38	04/12/16 11:38	1
Terphenyl-d14 (Surr)	58		16 - 114	04/06/16 10:38	04/12/16 11:38	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3480		41.9	21.6	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Antimony	4.2	U	4.2	1.7	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Arsenic	2.1 J		3.1	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Barium	430		41.9	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Beryllium	0.42	U	0.42	0.36	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Cadmium	0.84	U	0.84	0.44	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Calcium	547 J		1050	62.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Chromium	6.3		2.1	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Cobalt	2.3 J		10.5	1.2	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Copper	19.8		5.2	1.4	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Iron	6930		31.5	23.7	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Lead	2120		2.1	0.82	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Magnesium	577 J		1050	52.3	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Manganese	183		3.1	1.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Nickel	8.2 J		8.4	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Potassium	165 J		1050	31.8	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Selenium	4.2	U	4.2	1.4	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Silver	2.1	U	2.1	0.37	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Sodium	1050	U	1050	71.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Thallium	4.2	U	4.2	1.9	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4
Vanadium	6.9 J		10.5	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: B3

Date Collected: 03/30/16 14:35

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-1

Matrix: Solid

Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	142		6.3	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:39	4

Client Sample ID: D2

Date Collected: 03/30/16 13:25

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-2

Matrix: Solid

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	730	U	730	63	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
1,2,4,5-Tetrachlorobenzene	730	U	730	55	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,2'-oxybis[1-chloropropane]	730	U	730	30	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,3,4,6-Tetrachlorophenol	730	U	730	69	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,4,5-Trichlorophenol	730	U	730	73	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,4,6-Trichlorophenol	300	U	300	21	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,4-Dichlorophenol	300	U	300	17	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,4-Dimethylphenol	730	U	730	160	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,4-Dinitrophenol	590	U	590	550	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,4-Dinitrotoluene	150	U	150	29	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2,6-Dinitrotoluene	150	U	150	39	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2-Chloronaphthalene	730	U	730	17	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2-Chlorophenol	730	U	730	19	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2-Methylnaphthalene	32	J	730	16	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2-Methylphenol	730	U	730	32	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2-Nitroaniline	730	U	730	24	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
2-Nitrophenol	730	U	730	25	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
3,3'-Dichlorobenzidine	300	U	300	82	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
3-Nitroaniline	730	U	730	22	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
4,6-Dinitro-2-methylphenol	590	U	590	200	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
4-Bromophenyl phenyl ether	730	U	730	23	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
4-Chloro-3-methylphenol	730	U	730	32	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
4-Chloroaniline	730	U	730	19	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
4-Chlorophenyl phenyl ether	730	U	730	22	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
4-Methylphenol	730	U	730	20	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
4-Nitroaniline	730	U	730	28	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
4-Nitrophenol	1500	U	1500	350	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Acenaphthene	120	J	730	18	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Acenaphthylene	240	J	730	19	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Acetophenone	730	U	730	16	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Anthracene	720	J	730	70	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Atrazine	300	U	300	33	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Benzaldehyde	730	U	730	56	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Benzo[a]anthracene	2600		73	61	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Benzo[a]pyrene	2600		73	22	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Benzo[b]fluoranthene	3900		73	29	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Benzo[g,h,i]perylene	1900		730	42	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Benzo[k]fluoranthene	1600		73	32	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Bis(2-chloroethoxy)methane	730	U	730	23	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Bis(2-chloroethyl)ether	73	U	73	17	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Bis(2-ethylhexyl) phthalate	360	J	730	29	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Butyl benzyl phthalate	410	J	730	23	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: D2

Date Collected: 03/30/16 13:25

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-2

Matrix: Solid

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	730	U	730	53	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Carbazole	170	J	730	18	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Chrysene	2800		730	20	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Dibenz(a,h)anthracene	560		73	38	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Dibenzofuran	58	J	730	22	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Diethyl phthalate	730	U	730	21	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Dimethyl phthalate	730	U	730	21	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Di-n-butyl phthalate	2000		730	22	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Di-n-octyl phthalate	730	U	730	37	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Fluoranthene	4200		730	22	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Fluorene	130	J	730	16	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Hexachlorobenzene	73	U	73	30	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Hexachlorobutadiene	150	U	150	21	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Hexachlorocyclopentadiene	730	U	730	46	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Hexachloroethane	73	U	73	27	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Indeno[1,2,3-cd]pyrene	2600		73	49	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Isophorone	300	U	300	16	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Naphthalene	47	J	730	19	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Nitrobenzene	73	U	73	23	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
N-Nitrosodi-n-propylamine	73	U	73	25	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
N-Nitrosodiphenylamine	730	U	730	67	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Pentachlorophenol	590	U	590	89	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Phenanthrene	1700		730	20	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Phenol	730	U	730	24	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2
Pyrene	3100		730	33	ug/Kg	☼	04/06/16 10:38	04/12/16 13:15	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	52		10 - 95	04/06/16 10:38	04/12/16 13:15	2
2-Fluorobiphenyl	80		27 - 84	04/06/16 10:38	04/12/16 13:15	2
2-Fluorophenol (Surr)	67		21 - 84	04/06/16 10:38	04/12/16 13:15	2
Nitrobenzene-d5 (Surr)	74		28 - 92	04/06/16 10:38	04/12/16 13:15	2
Phenol-d5 (Surr)	67		22 - 88	04/06/16 10:38	04/12/16 13:15	2
Terphenyl-d14 (Surr)	65		16 - 114	04/06/16 10:38	04/12/16 13:15	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3810		42.0	21.6	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Antimony	4.2	U	4.2	1.7	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Arsenic	5.3		3.1	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Barium	275		42.0	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Beryllium	0.42	U	0.42	0.36	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Cadmium	1.5		0.84	0.44	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Calcium	5910		1050	62.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Chromium	12.7		2.1	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Cobalt	3.4	J	10.5	1.2	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Copper	45.5		5.2	1.4	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Iron	16700		31.5	23.7	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Lead	1170		2.1	0.82	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Magnesium	2000		1050	52.4	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Manganese	181		3.1	1.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: D2

Date Collected: 03/30/16 13:25

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-2

Matrix: Solid

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	11.7		8.4	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Potassium	310	J	1050	31.8	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Selenium	4.2	U	4.2	1.4	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Silver	2.1	U	2.1	0.37	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Sodium	1050	U	1050	71.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Thallium	4.2	U	4.2	1.9	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Vanadium	13.0		10.5	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4
Zinc	379		6.3	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:43	4

Client Sample ID: D3

Date Collected: 03/30/16 14:10

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-3

Matrix: Solid

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	710	U	710	61	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
1,2,4,5-Tetrachlorobenzene	710	U	710	53	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,2'-oxybis[1-chloropropane]	710	U	710	29	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,3,4,6-Tetrachlorophenol	710	U	710	67	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,4,5-Trichlorophenol	710	U	710	71	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,4,6-Trichlorophenol	290	U	290	20	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,4-Dichlorophenol	290	U	290	17	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,4-Dimethylphenol	710	U	710	160	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,4-Dinitrophenol	570	U	570	540	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,4-Dinitrotoluene	140	U	140	28	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2,6-Dinitrotoluene	140	U	140	38	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2-Chloronaphthalene	710	U	710	16	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2-Chlorophenol	710	U	710	18	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2-Methylnaphthalene	710	U	710	16	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2-Methylphenol	710	U	710	31	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2-Nitroaniline	710	U	710	23	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
2-Nitrophenol	710	U	710	24	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
3,3'-Dichlorobenzidine	290	U	290	79	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
3-Nitroaniline	710	U	710	21	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
4,6-Dinitro-2-methylphenol	570	U	570	190	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
4-Bromophenyl phenyl ether	710	U	710	22	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
4-Chloro-3-methylphenol	710	U	710	31	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
4-Chloroaniline	710	U	710	18	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
4-Chlorophenyl phenyl ether	710	U	710	21	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
4-Methylphenol	710	U	710	19	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
4-Nitroaniline	710	U	710	27	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
4-Nitrophenol	1400	U	1400	340	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Acenaphthene	35	J	710	17	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Acenaphthylene	53	J	710	18	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Acetophenone	710	U	710	15	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Anthracene	170	J	710	68	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Atrazine	290	U	290	32	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Benzaldehyde	710	U	710	54	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Benzo[a]anthracene	660		71	59	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Benzo[a]pyrene	710		71	22	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: D3

Date Collected: 03/30/16 14:10

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-3

Matrix: Solid

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	950		71	28	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Benzo[g,h,i]perylene	440	J	710	41	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Benzo[k]fluoranthene	390		71	31	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Bis(2-chloroethoxy)methane	710	U	710	22	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Bis(2-chloroethyl)ether	71	U	71	17	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Bis(2-ethylhexyl) phthalate	38	J	710	28	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Butyl benzyl phthalate	46	J	710	22	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Caprolactam	710	U	710	51	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Carbazole	41	J	710	18	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Chrysene	700	J	710	19	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Dibenz(a,h)anthracene	120		71	37	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Dibenzofuran	710	U	710	22	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Diethyl phthalate	710	U	710	20	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Dimethyl phthalate	710	U	710	21	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Di-n-butyl phthalate	27	J	710	21	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Di-n-octyl phthalate	710	U	710	36	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Fluoranthene	1200		710	21	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Fluorene	36	J	710	15	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Hexachlorobenzene	71	U	71	29	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Hexachlorobutadiene	140	U	140	20	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Hexachlorocyclopentadiene	710	U	710	44	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Hexachloroethane	71	U	71	26	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Indeno[1,2,3-cd]pyrene	580		71	47	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Isophorone	290	U	290	15	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Naphthalene	710	U	710	18	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Nitrobenzene	71	U	71	22	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
N-Nitrosodi-n-propylamine	71	U	71	24	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
N-Nitrosodiphenylamine	710	U	710	65	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Pentachlorophenol	570	U	570	86	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Phenanthrene	500	J	710	19	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Phenol	710	U	710	23	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2
Pyrene	690	J	710	32	ug/Kg	☼	04/06/16 10:38	04/12/16 15:42	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	41		10 - 95	04/06/16 10:38	04/12/16 15:42	2
2-Fluorobiphenyl	79		27 - 84	04/06/16 10:38	04/12/16 15:42	2
2-Fluorophenol (Surr)	61		21 - 84	04/06/16 10:38	04/12/16 15:42	2
Nitrobenzene-d5 (Surr)	65		28 - 92	04/06/16 10:38	04/12/16 15:42	2
Phenol-d5 (Surr)	61		22 - 88	04/06/16 10:38	04/12/16 15:42	2
Terphenyl-d14 (Surr)	51		16 - 114	04/06/16 10:38	04/12/16 15:42	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3930		42.7	22.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Antimony	4.3	U	4.3	1.7	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Arsenic	3.1	J	3.2	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Barium	106		42.7	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Beryllium	0.43	U	0.43	0.36	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Cadmium	0.85	U	0.85	0.44	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Calcium	1450		1070	63.2	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: D3

Date Collected: 03/30/16 14:10

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-3

Matrix: Solid

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	7.7		2.1	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Cobalt	2.7	J	10.7	1.2	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Copper	23.6		5.3	1.4	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Iron	8800		32.0	24.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Lead	236		2.1	0.84	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Magnesium	921	J	1070	53.2	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Manganese	144		3.2	1.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Nickel	20.3		8.5	1.6	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Potassium	301	J	1070	32.3	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Selenium	4.3	U	4.3	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Silver	2.1	U	2.1	0.38	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Sodium	1070	U	1070	72.2	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Thallium	4.3	U	4.3	1.9	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Vanadium	14.0		10.7	1.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4
Zinc	214		6.4	1.6	mg/Kg	☼	04/08/16 07:27	04/10/16 15:24	4

Client Sample ID: FD-Y

Date Collected: 03/30/16 00:00

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-4

Matrix: Solid

Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	360	U	360	31	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
1,2,4,5-Tetrachlorobenzene	360	U	360	27	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,2'-oxybis[1-chloropropane]	360	U	360	15	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,3,4,6-Tetrachlorophenol	360	U	360	34	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,4,5-Trichlorophenol	360	U	360	36	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,4,6-Trichlorophenol	150	U	150	10	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,4-Dichlorophenol	150	U	150	8.5	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,4-Dimethylphenol	360	U	360	79	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,4-Dinitrophenol	290	U	290	270	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,4-Dinitrotoluene	73	U	73	14	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2,6-Dinitrotoluene	73	U	73	19	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2-Chloronaphthalene	360	U	360	8.2	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2-Chlorophenol	360	U	360	9.2	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2-Methylnaphthalene	360	U	360	8.0	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2-Methylphenol	360	U	360	16	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2-Nitroaniline	360	U	360	12	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
2-Nitrophenol	360	U	360	12	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
3,3'-Dichlorobenzidine	150	U	150	40	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
3-Nitroaniline	360	U	360	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
4,6-Dinitro-2-methylphenol	290	U	290	96	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
4-Bromophenyl phenyl ether	360	U	360	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
4-Chloro-3-methylphenol	360	U	360	16	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
4-Chloroaniline	360	U	360	9.3	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
4-Chlorophenyl phenyl ether	360	U	360	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
4-Methylphenol	360	U	360	9.8	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
4-Nitroaniline	360	U	360	14	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
4-Nitrophenol	730	U	730	170	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Acenaphthene	360	U	360	8.7	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: FD-Y

Date Collected: 03/30/16 00:00

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-4

Matrix: Solid

Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	12	J	360	9.3	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Acetophenone	360	U	360	7.9	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Anthracene	360	U	360	34	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Atrazine	150	U	150	16	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Benzaldehyde	360	U	360	28	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Benzo[a]anthracene	140		36	30	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Benzo[a]pyrene	160		36	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Benzo[b]fluoranthene	210		36	14	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Benzo[g,h,i]perylene	120	J	360	21	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Benzo[k]fluoranthene	79		36	16	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Bis(2-chloroethoxy)methane	360	U	360	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Bis(2-chloroethyl)ether	36	U	36	8.5	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Bis(2-ethylhexyl) phthalate	360	U	360	14	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Butyl benzyl phthalate	360	U	360	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Caprolactam	360	U	360	26	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Carbazole	17	J	360	9.0	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Chrysene	180	J	360	9.8	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Dibenz(a,h)anthracene	35	J	36	19	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Dibenzofuran	360	U	360	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Diethyl phthalate	360	U	360	10	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Dimethyl phthalate	360	U	360	10	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Di-n-butyl phthalate	360	U	360	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Di-n-octyl phthalate	360	U	360	18	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Fluoranthene	300	J	360	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Fluorene	360	U	360	7.9	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Hexachlorobenzene	36	U	36	15	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Hexachlorobutadiene	73	U	73	10	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Hexachlorocyclopentadiene	360	U	360	22	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Hexachloroethane	36	U	36	13	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Indeno[1,2,3-cd]pyrene	170		36	24	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Isophorone	150	U	150	7.8	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Naphthalene	360	U	360	9.2	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Nitrobenzene	36	U	36	11	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
N-Nitrosodi-n-propylamine	36	U	36	12	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
N-Nitrosodiphenylamine	360	U	360	33	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Pentachlorophenol	290	U	290	44	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Phenanthrene	150	J	360	9.6	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Phenol	360	U	360	12	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1
Pyrene	230	J	360	16	ug/Kg	☼	04/06/16 10:38	04/12/16 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	48		10 - 95	04/06/16 10:38	04/12/16 12:02	1
2-Fluorobiphenyl	66		27 - 84	04/06/16 10:38	04/12/16 12:02	1
2-Fluorophenol (Surr)	57		21 - 84	04/06/16 10:38	04/12/16 12:02	1
Nitrobenzene-d5 (Surr)	63		28 - 92	04/06/16 10:38	04/12/16 12:02	1
Phenol-d5 (Surr)	60		22 - 88	04/06/16 10:38	04/12/16 12:02	1
Terphenyl-d14 (Surr)	63		16 - 114	04/06/16 10:38	04/12/16 12:02	1

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: FD-Y

Date Collected: 03/30/16 00:00

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-4

Matrix: Solid

Percent Solids: 91.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3970		42.1	21.7	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Antimony	4.2	U	4.2	1.7	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Arsenic	2.3	J	3.2	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Barium	71.7		42.1	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Beryllium	0.42	U	0.42	0.36	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Cadmium	0.84	U	0.84	0.44	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Calcium	530	J	1050	62.3	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Chromium	7.0		2.1	1.0	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Cobalt	3.4	J	10.5	1.2	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Copper	21.4		5.3	1.4	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Iron	7950		31.6	23.8	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Lead	792		2.1	0.83	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Magnesium	651	J	1050	52.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Manganese	244		3.2	1.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Nickel	11.1		8.4	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Potassium	172	J	1050	31.9	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Selenium	4.2	U	4.2	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Silver	2.1	U	2.1	0.37	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Sodium	1050	U	1050	71.2	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Thallium	4.2	U	4.2	1.9	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Vanadium	7.7	J	10.5	1.1	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4
Zinc	161		6.3	1.5	mg/Kg	☼	04/08/16 07:27	04/10/16 15:47	4

Surrogate Summary

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

TestAmerica Job ID: 460-111496-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (10-95)	FBP (27-84)	2FP (21-84)	NBZ (28-92)	PHL (22-88)	TPH (16-114)
460-111496-1	B3	43	61	54	60	55	58
460-111496-2	D2	52	80	67	74	67	65
460-111496-3	D3	41	79	61	65	61	51
460-111496-3 MS	D3	48	74	62	67	61	50
460-111496-3 MSD	D3	46	73	60	63	60	52
460-111496-4	FD-Y	48	66	57	63	60	63
LCS 460-361064/2-A	Lab Control Sample	86	82	74	80	74	77
LCS 460-361064/3-A	Lab Control Sample	100 *	87 *	90 *	90	95 *	86
MB 460-361064/1-A	Method Blank	73	77	75	79	77	87

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: 460-111496-1

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

Lab Sample ID: MB 460-361064/1-A

Matrix: Solid

Analysis Batch: 361481

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	330	U	330	28	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
1,2,4,5-Tetrachlorobenzene	330	U	330	25	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,2'-oxybis[1-chloropropane]	330	U	330	14	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,3,4,6-Tetrachlorophenol	330	U	330	31	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,4,5-Trichlorophenol	330	U	330	33	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,4,6-Trichlorophenol	130	U	130	9.4	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,4-Dichlorophenol	130	U	130	7.8	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,4-Dimethylphenol	330	U	330	73	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,4-Dinitrophenol	270	U	270	250	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2-Chlorophenol	330	U	330	8.4	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2-Methylphenol	330	U	330	14	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2-Nitroaniline	330	U	330	11	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
2-Nitrophenol	330	U	330	11	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
4,6-Dinitro-2-methylphenol	270	U	270	88	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
4-Chloro-3-methylphenol	330	U	330	14	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
4-Methylphenol	330	U	330	9.0	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
4-Nitroaniline	330	U	330	13	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
4-Nitrophenol	670	U	670	160	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Acenaphthene	330	U	330	8.0	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Acenaphthylene	330	U	330	8.5	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Acetophenone	330	U	330	7.2	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Anthracene	330	U	330	31	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Atrazine	130	U	130	15	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Benzaldehyde	330	U	330	25	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Caprolactam	330	U	330	24	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Carbazole	330	U	330	8.2	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Chrysene	330	U	330	9.0	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Dibenzofuran	330	U	330	10	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		04/06/16 10:38	04/08/16 12:20	1

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

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

Lab Sample ID: MB 460-361064/1-A

Matrix: Solid

Analysis Batch: 361481

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	330	U	330	9.6	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Fluoranthene	330	U	330	9.8	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Fluorene	330	U	330	7.2	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Hexachlorobenzene	33	U	33	13	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Hexachloroethane	33	U	33	12	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Isophorone	130	U	130	7.1	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Naphthalene	330	U	330	8.4	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Nitrobenzene	33	U	33	10	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Pentachlorophenol	270	U	270	40	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Phenanthrene	330	U	330	8.8	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Phenol	330	U	330	11	ug/Kg		04/06/16 10:38	04/08/16 12:20	1
Pyrene	330	U	330	15	ug/Kg		04/06/16 10:38	04/08/16 12:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		10 - 95	04/06/16 10:38	04/08/16 12:20	1
2-Fluorobiphenyl	77		27 - 84	04/06/16 10:38	04/08/16 12:20	1
2-Fluorophenol (Surr)	75		21 - 84	04/06/16 10:38	04/08/16 12:20	1
Nitrobenzene-d5 (Surr)	79		28 - 92	04/06/16 10:38	04/08/16 12:20	1
Phenol-d5 (Surr)	77		22 - 88	04/06/16 10:38	04/08/16 12:20	1
Terphenyl-d14 (Surr)	87		16 - 114	04/06/16 10:38	04/08/16 12:20	1

Lab Sample ID: LCS 460-361064/2-A

Matrix: Solid

Analysis Batch: 361481

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3330	2720		ug/Kg		82	64 - 103
1,2,4,5-Tetrachlorobenzene	3330	2780		ug/Kg		83	62 - 109
2,2'-oxybis[1-chloropropane]	3330	2560		ug/Kg		77	42 - 119
2,3,4,6-Tetrachlorophenol	3330	2900		ug/Kg		87	57 - 113
2,4,5-Trichlorophenol	3330	2700		ug/Kg		81	59 - 105
2,4,6-Trichlorophenol	3330	2700		ug/Kg		81	61 - 107
2,4-Dichlorophenol	3330	2600		ug/Kg		78	59 - 99
2,4-Dimethylphenol	3330	2600		ug/Kg		78	60 - 98
2,4-Dinitrophenol	6670	5930		ug/Kg		89	26 - 137
2,4-Dinitrotoluene	3330	3110		ug/Kg		93	61 - 118
2,6-Dinitrotoluene	3330	2920		ug/Kg		88	63 - 112
2-Chloronaphthalene	3330	2750		ug/Kg		82	63 - 102
2-Chlorophenol	3330	2500		ug/Kg		75	58 - 95
2-Methylnaphthalene	3330	2600		ug/Kg		78	64 - 102
2-Methylphenol	3330	2500		ug/Kg		75	56 - 99

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

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

Lab Sample ID: LCS 460-361064/2-A

Matrix: Solid

Analysis Batch: 361481

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	3330	2980		ug/Kg		89	46 - 113
2-Nitrophenol	3330	2690		ug/Kg		81	63 - 103
3,3'-Dichlorobenzidine	3330	1490		ug/Kg		45	18 - 92
3-Nitroaniline	3330	1810		ug/Kg		54	23 - 89
4,6-Dinitro-2-methylphenol	6670	6370		ug/Kg		96	51 - 124
4-Bromophenyl phenyl ether	3330	2870		ug/Kg		86	65 - 114
4-Chloro-3-methylphenol	3330	2680		ug/Kg		80	58 - 108
4-Chloroaniline	3330	1250		ug/Kg		37	10 - 82
4-Chlorophenyl phenyl ether	3330	2860		ug/Kg		86	63 - 107
4-Methylphenol	3330	2490		ug/Kg		75	53 - 103
4-Nitroaniline	3330	2900		ug/Kg		87	44 - 109
4-Nitrophenol	6670	6040		ug/Kg		91	45 - 125
Acenaphthene	3330	2720		ug/Kg		82	59 - 102
Acenaphthylene	3330	2810		ug/Kg		84	63 - 102
Acetophenone	3330	2550		ug/Kg		76	56 - 107
Anthracene	3330	2920		ug/Kg		88	66 - 105
Benzo[a]anthracene	3330	2810		ug/Kg		84	65 - 106
Benzo[a]pyrene	3330	3140		ug/Kg		94	68 - 111
Benzo[b]fluoranthene	3330	3090		ug/Kg		93	67 - 116
Benzo[g,h,i]perylene	3330	2830		ug/Kg		85	49 - 124
Benzo[k]fluoranthene	3330	3120		ug/Kg		94	65 - 114
Bis(2-chloroethoxy)methane	3330	2760		ug/Kg		83	61 - 102
Bis(2-chloroethyl)ether	3330	2570		ug/Kg		77	58 - 102
Bis(2-ethylhexyl) phthalate	3330	3440		ug/Kg		103	60 - 125
Butyl benzyl phthalate	3330	3170		ug/Kg		95	62 - 123
Carbazole	3330	3020		ug/Kg		91	62 - 107
Chrysene	3330	3050		ug/Kg		91	64 - 105
Dibenz(a,h)anthracene	3330	2980		ug/Kg		90	54 - 126
Dibenzofuran	3330	2760		ug/Kg		83	62 - 102
Diethyl phthalate	3330	2980		ug/Kg		90	61 - 110
Dimethyl phthalate	3330	2950		ug/Kg		88	64 - 108
Di-n-butyl phthalate	3330	3430		ug/Kg		103	62 - 114
Di-n-octyl phthalate	3330	3340		ug/Kg		100	52 - 137
Fluoranthene	3330	3110		ug/Kg		93	59 - 109
Fluorene	3330	2780		ug/Kg		83	65 - 108
Hexachlorobenzene	3330	2820		ug/Kg		85	65 - 117
Hexachlorobutadiene	3330	2680		ug/Kg		80	60 - 105
Hexachlorocyclopentadiene	3330	3180		ug/Kg		95	37 - 119
Hexachloroethane	3330	2500		ug/Kg		75	60 - 94
Indeno[1,2,3-cd]pyrene	3330	2900		ug/Kg		87	50 - 134
Isophorone	3330	2880		ug/Kg		87	60 - 102
Naphthalene	3330	2670		ug/Kg		80	64 - 99
Nitrobenzene	3330	2730		ug/Kg		82	59 - 102
N-Nitrosodi-n-propylamine	3330	2830		ug/Kg		85	56 - 112
N-Nitrosodiphenylamine	3330	2880		ug/Kg		86	71 - 119
Pentachlorophenol	6670	6160		ug/Kg		92	47 - 115
Phenanthrene	3330	2820		ug/Kg		84	66 - 105
Phenol	3330	2500		ug/Kg		75	55 - 99

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

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

Lab Sample ID: LCS 460-361064/2-A

Matrix: Solid

Analysis Batch: 361481

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	3330	2520		ug/Kg		76	55 - 126
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4,6-Tribromophenol (Surr)	86		10 - 95				
2-Fluorobiphenyl	82		27 - 84				
2-Fluorophenol (Surr)	74		21 - 84				
Nitrobenzene-d5 (Surr)	80		28 - 92				
Phenol-d5 (Surr)	74		22 - 88				
Terphenyl-d14 (Surr)	77		16 - 114				

Lab Sample ID: LCS 460-361064/3-A

Matrix: Solid

Analysis Batch: 361342

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6670	7360		ug/Kg		110	41 - 116
Benzaldehyde	6670	6100		ug/Kg		91	55 - 116
Caprolactam	6670	8540	E	ug/Kg		128	44 - 129
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4,6-Tribromophenol (Surr)	100	*	10 - 95				
2-Fluorobiphenyl	87	*	27 - 84				
2-Fluorophenol (Surr)	90	*	21 - 84				
Nitrobenzene-d5 (Surr)	90		28 - 92				
Phenol-d5 (Surr)	95	*	22 - 88				
Terphenyl-d14 (Surr)	86		16 - 114				

Lab Sample ID: 460-111496-3 MS

Matrix: Solid

Analysis Batch: 362028

Client Sample ID: D3

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	710	U	3590	2840		ug/Kg	☼	79	64 - 103
1,2,4,5-Tetrachlorobenzene	710	U	3590	2520		ug/Kg	☼	70	62 - 109
2,2'-oxybis[1-chloropropane]	710	U	3590	2400		ug/Kg	☼	67	42 - 119
2,3,4,6-Tetrachlorophenol	710	U	3590	1820	*	ug/Kg	☼	51	57 - 113
2,4,5-Trichlorophenol	710	U	3590	2000	*	ug/Kg	☼	56	59 - 105
2,4,6-Trichlorophenol	290	U	3590	2170		ug/Kg	☼	61	61 - 107
2,4-Dichlorophenol	290	U	3590	2190		ug/Kg	☼	61	59 - 99
2,4-Dimethylphenol	710	U	3590	2480		ug/Kg	☼	69	60 - 98
2,4-Dinitrophenol	570	U	7170	736	*	ug/Kg	☼	10	26 - 137
2,4-Dinitrotoluene	140	U	3590	2160	*	ug/Kg	☼	60	61 - 118
2,6-Dinitrotoluene	140	U	3590	2500		ug/Kg	☼	70	63 - 112
2-Chloronaphthalene	710	U	3590	2700		ug/Kg	☼	75	63 - 102
2-Chlorophenol	710	U	3590	2320		ug/Kg	☼	65	58 - 95
2-Methylnaphthalene	710	U	3590	2360		ug/Kg	☼	66	64 - 102
2-Methylphenol	710	U	3590	2340		ug/Kg	☼	65	56 - 99
2-Nitroaniline	710	U	3590	2540		ug/Kg	☼	71	46 - 113

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

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

Lab Sample ID: 460-111496-3 MS

Matrix: Solid

Analysis Batch: 362028

Client Sample ID: D3

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2-Nitrophenol	710	U	3590	1830	*	ug/Kg	☀	51	63 - 103
3,3'-Dichlorobenzidine	290	U	3590	1940		ug/Kg	☀	54	18 - 92
3-Nitroaniline	710	U	3590	2270		ug/Kg	☀	63	23 - 89
4,6-Dinitro-2-methylphenol	570	U	7170	1190	*	ug/Kg	☀	17	51 - 124
4-Bromophenyl phenyl ether	710	U	3590	2670		ug/Kg	☀	75	65 - 114
4-Chloro-3-methylphenol	710	U	3590	2250		ug/Kg	☀	63	58 - 108
4-Chloroaniline	710	U	3590	1300		ug/Kg	☀	36	10 - 82
4-Chlorophenyl phenyl ether	710	U	3590	2500		ug/Kg	☀	70	63 - 107
4-Methylphenol	710	U	3590	2310		ug/Kg	☀	64	53 - 103
4-Nitroaniline	710	U	3590	2160		ug/Kg	☀	60	44 - 109
4-Nitrophenol	1400	U	7170	3560		ug/Kg	☀	50	45 - 125
Acenaphthene	35	J	3590	2450		ug/Kg	☀	67	59 - 102
Acenaphthylene	53	J	3590	2640		ug/Kg	☀	72	63 - 102
Acetophenone	710	U	3590	2390		ug/Kg	☀	67	56 - 107
Anthracene	170	J	3590	2920		ug/Kg	☀	77	66 - 105
Atrazine	290	U	7170	6240		ug/Kg	☀	87	41 - 116
Benzaldehyde	710	U	7170	4070		ug/Kg	☀	57	55 - 116
Benzo[a]anthracene	660		3590	3070		ug/Kg	☀	67	65 - 106
Benzo[a]pyrene	710		3590	3100	*	ug/Kg	☀	67	68 - 111
Benzo[b]fluoranthene	950		3590	3270	*	ug/Kg	☀	64	67 - 116
Benzo[g,h,i]perylene	440	J	3590	2340		ug/Kg	☀	53	49 - 124
Benzo[k]fluoranthene	390		3590	2580	*	ug/Kg	☀	61	65 - 114
Bis(2-chloroethoxy)methane	710	U	3590	2930		ug/Kg	☀	82	61 - 102
Bis(2-chloroethyl)ether	71	U	3590	2340		ug/Kg	☀	65	58 - 102
Bis(2-ethylhexyl) phthalate	38	J	3590	2480		ug/Kg	☀	68	60 - 125
Butyl benzyl phthalate	46	J	3590	2430		ug/Kg	☀	67	62 - 123
Caprolactam	710	U	7170	4350		ug/Kg	☀	61	44 - 129
Carbazole	41	J	3590	2740		ug/Kg	☀	75	62 - 107
Chrysene	700	J	3590	3110		ug/Kg	☀	67	64 - 105
Dibenz(a,h)anthracene	120		3590	2620		ug/Kg	☀	70	54 - 126
Dibenzofuran	710	U	3590	2560		ug/Kg	☀	71	62 - 102
Diethyl phthalate	710	U	3590	3190		ug/Kg	☀	89	61 - 110
Dimethyl phthalate	710	U	3590	3300		ug/Kg	☀	92	64 - 108
Di-n-butyl phthalate	27	J	3590	3300		ug/Kg	☀	91	62 - 114
Di-n-octyl phthalate	710	U	3590	1890		ug/Kg	☀	53	52 - 137
Fluoranthene	1200		3590	4070		ug/Kg	☀	80	59 - 109
Fluorene	36	J	3590	2460		ug/Kg	☀	67	65 - 108
Hexachlorobenzene	71	U	3590	2370		ug/Kg	☀	66	65 - 117
Hexachlorobutadiene	140	U	3590	2400		ug/Kg	☀	67	60 - 105
Hexachlorocyclopentadiene	710	U	3590	854	*	ug/Kg	☀	24	37 - 119
Hexachloroethane	71	U	3590	1970	*	ug/Kg	☀	55	60 - 94
Indeno[1,2,3-cd]pyrene	580		3590	3070		ug/Kg	☀	69	50 - 134
Isophorone	290	U	3590	2790		ug/Kg	☀	78	60 - 102
Naphthalene	710	U	3590	2510		ug/Kg	☀	70	64 - 99
Nitrobenzene	71	U	3590	2440		ug/Kg	☀	68	59 - 102
N-Nitrosodi-n-propylamine	71	U	3590	2390		ug/Kg	☀	67	56 - 112
N-Nitrosodiphenylamine	710	U	3590	2900		ug/Kg	☀	81	71 - 119
Pentachlorophenol	570	U	7170	3640		ug/Kg	☀	51	47 - 115

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

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

Lab Sample ID: 460-111496-3 MS

Matrix: Solid

Analysis Batch: 362028

Client Sample ID: D3

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Phenanthrene	500	J	3590	3000		ug/Kg	☼	70	66 - 105		
Phenol	710	U	3590	134	J *	ug/Kg	☼	4	55 - 99		
Pyrene	690	J	3590	2520	*	ug/Kg	☼	51	55 - 126		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
2,4,6-Tribromophenol (Surr)	48		10 - 95								
2-Fluorobiphenyl	74		27 - 84								
2-Fluorophenol (Surr)	62		21 - 84								
Nitrobenzene-d5 (Surr)	67		28 - 92								
Phenol-d5 (Surr)	61		22 - 88								
Terphenyl-d14 (Surr)	50		16 - 114								

Lab Sample ID: 460-111496-3 MSD

Matrix: Solid

Analysis Batch: 362028

Client Sample ID: D3

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	710	U	3590	2700		ug/Kg	☼	75	64 - 103	5	30
1,2,4,5-Tetrachlorobenzene	710	U	3590	2430		ug/Kg	☼	68	62 - 109	4	30
2,2'-oxybis[1-chloropropane]	710	U	3590	2190		ug/Kg	☼	61	42 - 119	9	30
2,3,4,6-Tetrachlorophenol	710	U	3590	1730	*	ug/Kg	☼	48	57 - 113	5	30
2,4,5-Trichlorophenol	710	U	3590	1930	*	ug/Kg	☼	54	59 - 105	4	30
2,4,6-Trichlorophenol	290	U	3590	2090	*	ug/Kg	☼	58	61 - 107	4	30
2,4-Dichlorophenol	290	U	3590	2120		ug/Kg	☼	59	59 - 99	3	30
2,4-Dimethylphenol	710	U	3590	2450		ug/Kg	☼	68	60 - 98	1	30
2,4-Dinitrophenol	570	U	7180	638	*	ug/Kg	☼	9	26 - 137	14	30
2,4-Dinitrotoluene	140	U	3590	2230		ug/Kg	☼	62	61 - 118	3	30
2,6-Dinitrotoluene	140	U	3590	2500		ug/Kg	☼	70	63 - 112	0	30
2-Chloronaphthalene	710	U	3590	2600		ug/Kg	☼	73	63 - 102	4	30
2-Chlorophenol	710	U	3590	2260		ug/Kg	☼	63	58 - 95	2	30
2-Methylnaphthalene	710	U	3590	2380		ug/Kg	☼	66	64 - 102	1	30
2-Methylphenol	710	U	3590	2320		ug/Kg	☼	65	56 - 99	1	30
2-Nitroaniline	710	U	3590	2450		ug/Kg	☼	68	46 - 113	4	30
2-Nitrophenol	710	U	3590	1690	*	ug/Kg	☼	47	63 - 103	8	30
3,3'-Dichlorobenzidine	290	U	3590	1910		ug/Kg	☼	53	18 - 92	1	30
3-Nitroaniline	710	U	3590	2350		ug/Kg	☼	65	23 - 89	3	30
4,6-Dinitro-2-methylphenol	570	U	7180	1020	*	ug/Kg	☼	14	51 - 124	16	30
4-Bromophenyl phenyl ether	710	U	3590	2620		ug/Kg	☼	73	65 - 114	2	30
4-Chloro-3-methylphenol	710	U	3590	2220		ug/Kg	☼	62	58 - 108	1	30
4-Chloroaniline	710	U	3590	1210		ug/Kg	☼	34	10 - 82	7	30
4-Chlorophenyl phenyl ether	710	U	3590	2520		ug/Kg	☼	70	63 - 107	1	30
4-Methylphenol	710	U	3590	2350		ug/Kg	☼	66	53 - 103	2	30
4-Nitroaniline	710	U	3590	2220		ug/Kg	☼	62	44 - 109	3	30
4-Nitrophenol	1400	U	7180	3290		ug/Kg	☼	46	45 - 125	8	30
Acenaphthene	35	J	3590	2700		ug/Kg	☼	74	59 - 102	10	30
Acenaphthylene	53	J	3590	2580		ug/Kg	☼	70	63 - 102	2	30
Acetophenone	710	U	3590	2330		ug/Kg	☼	65	56 - 107	2	30
Anthracene	170	J	3590	3550		ug/Kg	☼	94	66 - 105	20	30

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

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

Lab Sample ID: 460-111496-3 MSD

Matrix: Solid

Analysis Batch: 362028

Client Sample ID: D3

Prep Type: Total/NA

Prep Batch: 361064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	290	U	7180	6360		ug/Kg	☀	89	41 - 116	2	30
Benzaldehyde	710	U	7180	3970		ug/Kg	☀	55	55 - 116	2	30
Benzo[a]anthracene	660		3590	5120	*	ug/Kg	☀	124	65 - 106	50	30
Benzo[a]pyrene	710		3590	5100	*	ug/Kg	☀	122	68 - 111	49	30
Benzo[b]fluoranthene	950		3590	5710	*	ug/Kg	☀	132	67 - 116	54	30
Benzo[g,h,i]perylene	440	J	3590	3030		ug/Kg	☀	72	49 - 124	26	30
Benzo[k]fluoranthene	390		3590	3490		ug/Kg	☀	87	65 - 114	30	30
Bis(2-chloroethoxy)methane	710	U	3590	2800		ug/Kg	☀	78	61 - 102	5	30
Bis(2-chloroethyl)ether	71	U	3590	2280		ug/Kg	☀	64	58 - 102	2	30
Bis(2-ethylhexyl) phthalate	38	J	3590	2480		ug/Kg	☀	68	60 - 125	0	30
Butyl benzyl phthalate	46	J	3590	2390		ug/Kg	☀	65	62 - 123	2	30
Caprolactam	710	U	7180	4410		ug/Kg	☀	62	44 - 129	1	30
Carbazole	41	J	3590	2680		ug/Kg	☀	74	62 - 107	2	30
Chrysene	700	J	3590	5100	*	ug/Kg	☀	122	64 - 105	48	30
Dibenz(a,h)anthracene	120		3590	2720		ug/Kg	☀	72	54 - 126	4	30
Dibenzofuran	710	U	3590	2710		ug/Kg	☀	75	62 - 102	6	30
Diethyl phthalate	710	U	3590	3180		ug/Kg	☀	89	61 - 110	0	30
Dimethyl phthalate	710	U	3590	3240		ug/Kg	☀	90	64 - 108	2	30
Di-n-butyl phthalate	27	J	3590	3170		ug/Kg	☀	88	62 - 114	4	30
Di-n-octyl phthalate	710	U	3590	1930		ug/Kg	☀	54	52 - 137	2	30
Fluoranthene	1200		3590	8440	*	ug/Kg	☀	202	59 - 109	70	30
Fluorene	36	J	3590	2730		ug/Kg	☀	75	65 - 108	10	30
Hexachlorobenzene	71	U	3590	2340		ug/Kg	☀	65	65 - 117	1	30
Hexachlorobutadiene	140	U	3590	2280		ug/Kg	☀	63	60 - 105	5	30
Hexachlorocyclopentadiene	710	U	3590	800	*	ug/Kg	☀	22	37 - 119	7	30
Hexachloroethane	71	U	3590	1830	*	ug/Kg	☀	51	60 - 94	7	30
Indeno[1,2,3-cd]pyrene	580		3590	4160		ug/Kg	☀	100	50 - 134	30	30
Isophorone	290	U	3590	2610		ug/Kg	☀	73	60 - 102	7	30
Naphthalene	710	U	3590	2490		ug/Kg	☀	69	64 - 99	1	30
Nitrobenzene	71	U	3590	2260		ug/Kg	☀	63	59 - 102	8	30
N-Nitrosodi-n-propylamine	71	U	3590	2260		ug/Kg	☀	63	56 - 112	6	30
N-Nitrosodiphenylamine	710	U	3590	2900		ug/Kg	☀	81	71 - 119	0	30
Pentachlorophenol	570	U	7180	3330	*	ug/Kg	☀	46	47 - 115	9	30
Phenanthrene	500	J	3590	5830	*	ug/Kg	☀	149	66 - 105	64	30
Phenol	710	U	3590	2270	*	ug/Kg	☀	63	55 - 99	178	30
Pyrene	690	J	3590	5280	*	ug/Kg	☀	128	55 - 126	71	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	46		10 - 95
2-Fluorobiphenyl	73		27 - 84
2-Fluorophenol (Surr)	60		21 - 84
Nitrobenzene-d5 (Surr)	63		28 - 92
Phenol-d5 (Surr)	60		22 - 88
Terphenyl-d14 (Surr)	52		16 - 114

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-361465/1-A ^2

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Antimony	2.0	U	2.0	0.79	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Barium	20.0	U	20.0	0.72	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Calcium	500	U	500	29.6	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Chromium	1.0	U	1.0	0.48	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Copper	2.5	U	2.5	0.65	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Iron	15.0	U	15.0	11.3	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Lead	1.0	U	1.0	0.39	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Magnesium	500	U	500	25.0	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Manganese	1.5	U	1.5	0.53	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Nickel	4.0	U	4.0	0.73	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Potassium	500	U	500	15.2	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Selenium	2.0	U	2.0	0.69	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Silver	1.0	U	1.0	0.18	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Sodium	500	U	500	33.9	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Thallium	2.0	U	2.0	0.89	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		04/08/16 07:27	04/10/16 15:32	2
Zinc	3.0	U	3.0	0.73	mg/Kg		04/08/16 07:27	04/10/16 15:32	2

Lab Sample ID: LCSSRM 460-361465/2-A ^4

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361465

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8080	7669		mg/Kg		94.9	51.1 - 148.5
Antimony	123	81.78		mg/Kg		66.5	1.0 - 200.0
Arsenic	145	145.8		mg/Kg		100.6	79.3 - 121.4
Barium	209	221.6		mg/Kg		106.0	83.3 - 117.2
Beryllium	97.3	99.49		mg/Kg		102.3	82.6 - 117.2
Cadmium	87.6	90.18		mg/Kg		102.9	82.6 - 117.6
Calcium	5690	5725		mg/Kg		100.6	81.0 - 118.8
Chromium	143	150.5		mg/Kg		105.3	79.7 - 119.6
Cobalt	154	163.4		mg/Kg		106.1	83.8 - 115.6
Copper	173	174.9		mg/Kg		101.1	81.5 - 117.9
Iron	15000	14670		mg/Kg		97.8	46.8 - 154.0

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

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

Lab Sample ID: LCSSRM 460-361465/2-A ^4

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361465

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	146	151.9		mg/Kg		104.1	81.5 - 118.5
Magnesium	2640	2616		mg/Kg		99.1	76.5 - 123.5
Manganese	309	332.5		mg/Kg		107.6	81.6 - 118.8
Nickel	129	140.8		mg/Kg		109.2	82.9 - 117.1
Potassium	2400	2263		mg/Kg		94.3	71.7 - 128.3
Selenium	178	174.8		mg/Kg		98.2	78.7 - 121.3
Silver	31.3	30.59		mg/Kg		97.7	75.1 - 124.9
Sodium	869	831.2	J	mg/Kg		95.6	72.7 - 126.6
Thallium	141	150.8		mg/Kg		107.0	79.4 - 121.3
Vanadium	115	115.6		mg/Kg		100.6	77.6 - 122.6
Zinc	194	201.2		mg/Kg		103.7	82.0 - 118.0

Lab Sample ID: 460-111496-3 MS

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: D3

Prep Type: Total/NA

Prep Batch: 361465

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	3930		200	4799	4	mg/Kg	☼	436	75 - 125
Antimony	4.3	U	49.9	35.08	N	mg/Kg	☼	70	75 - 125
Arsenic	3.1	J	200	187.5		mg/Kg	☼	92	75 - 125
Barium	106		200	356.3		mg/Kg	☼	125	75 - 125
Beryllium	0.43	U	4.99	5.29		mg/Kg	☼	106	75 - 125
Cadmium	0.85	U	4.99	5.26		mg/Kg	☼	106	75 - 125
Calcium	1450		2000	4156	N	mg/Kg	☼	136	75 - 125
Chromium	7.7		20.0	28.61		mg/Kg	☼	105	75 - 125
Cobalt	2.7	J	49.9	52.37		mg/Kg	☼	100	75 - 125
Copper	23.6		24.9	44.23		mg/Kg	☼	83	75 - 125
Iron	8800		99.8	16070	4	mg/Kg	☼	7294	75 - 125
Lead	236		49.9	242.6	4	mg/Kg	☼	14	75 - 125
Magnesium	921	J	2000	2721		mg/Kg	☼	90	75 - 125
Manganese	144		49.9	292.7	N	mg/Kg	☼	298	75 - 125
Nickel	20.3		49.9	66.56		mg/Kg	☼	93	75 - 125
Potassium	301	J	2000	2107		mg/Kg	☼	91	75 - 125
Selenium	4.3	U	200	181.3		mg/Kg	☼	91	75 - 125
Silver	2.1	U	4.99	4.65		mg/Kg	☼	93	75 - 125
Sodium	1070	U	2000	1951		mg/Kg	☼	98	75 - 125
Thallium	4.3	U	200	197.5		mg/Kg	☼	99	75 - 125
Vanadium	14.0		49.9	63.47		mg/Kg	☼	99	75 - 125
Zinc	214		49.9	257.6	4	mg/Kg	☼	87	75 - 125

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111496-1

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

Lab Sample ID: 460-111496-3 DU

Matrix: Solid

Analysis Batch: 361771

Client Sample ID: D3

Prep Type: Total/NA

Prep Batch: 361465

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Aluminum	3930		3300		mg/Kg	☼	17	20
Antimony	4.3	U	4.1	U	mg/Kg	☼	NC	20
Arsenic	3.1	J	2.95	J	mg/Kg	☼	4	20
Barium	106		99.80		mg/Kg	☼	6	20
Beryllium	0.43	U	0.41	U	mg/Kg	☼	NC	20
Cadmium	0.85	U	0.478	J	mg/Kg	☼	NC	20
Calcium	1450		1233		mg/Kg	☼	16	20
Chromium	7.7		8.60		mg/Kg	☼	11	20
Cobalt	2.7	J	2.23	J	mg/Kg	☼	20	20
Copper	23.6		608.7	*	mg/Kg	☼	185	20
Iron	8800		8006		mg/Kg	☼	9	20
Lead	236		190.1	*	mg/Kg	☼	21	20
Magnesium	921	J	691.6	J	mg/Kg	☼	28	20
Manganese	144		126.6		mg/Kg	☼	13	20
Nickel	20.3		15.89		mg/Kg	☼	24	20
Potassium	301	J	290.4	J	mg/Kg	☼	4	20
Selenium	4.3	U	4.1	U	mg/Kg	☼	NC	20
Silver	2.1	U	2.1	U	mg/Kg	☼	NC	20
Sodium	1070	U	1030	U	mg/Kg	☼	NC	20
Thallium	4.3	U	4.1	U	mg/Kg	☼	NC	20
Vanadium	14.0		13.83		mg/Kg	☼	1	20
Zinc	214		199.9		mg/Kg	☼	7	20

Definitions/Glossary

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

TestAmerica Job ID: 460-111496-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
J	Indicates an estimated value.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	Surrogate is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.

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: 460-111496-1

GC/MS Semi VOA

Prep Batch: 361064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111496-1	B3	Total/NA	Solid	3546	
460-111496-2	D2	Total/NA	Solid	3546	
460-111496-3	D3	Total/NA	Solid	3546	
460-111496-3 MS	D3	Total/NA	Solid	3546	
460-111496-3 MSD	D3	Total/NA	Solid	3546	
460-111496-4	FD-Y	Total/NA	Solid	3546	
LCS 460-361064/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-361064/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-361064/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 361342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-361064/3-A	Lab Control Sample	Total/NA	Solid	8270D	361064

Analysis Batch: 361481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-361064/2-A	Lab Control Sample	Total/NA	Solid	8270D	361064
MB 460-361064/1-A	Method Blank	Total/NA	Solid	8270D	361064

Analysis Batch: 362028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111496-1	B3	Total/NA	Solid	8270D	361064
460-111496-2	D2	Total/NA	Solid	8270D	361064
460-111496-3	D3	Total/NA	Solid	8270D	361064
460-111496-3 MS	D3	Total/NA	Solid	8270D	361064
460-111496-3 MSD	D3	Total/NA	Solid	8270D	361064
460-111496-4	FD-Y	Total/NA	Solid	8270D	361064

Metals

Prep Batch: 361465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111496-1	B3	Total/NA	Solid	3050B	
460-111496-2	D2	Total/NA	Solid	3050B	
460-111496-3	D3	Total/NA	Solid	3050B	
460-111496-3 DU	D3	Total/NA	Solid	3050B	
460-111496-3 MS	D3	Total/NA	Solid	3050B	
460-111496-3 PDS	D3	Total/NA	Solid	3050B	
460-111496-3 SD	D3	Total/NA	Solid	3050B	
460-111496-4	FD-Y	Total/NA	Solid	3050B	
LCSSRM 460-361465/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-361465/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111496-1	B3	Total/NA	Solid	6010C	361465
460-111496-2	D2	Total/NA	Solid	6010C	361465
460-111496-3	D3	Total/NA	Solid	6010C	361465
460-111496-3 DU	D3	Total/NA	Solid	6010C	361465
460-111496-3 MS	D3	Total/NA	Solid	6010C	361465

QC Association Summary

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

TestAmerica Job ID: 460-111496-1

Metals (Continued)

Analysis Batch: 361771 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111496-3 PDS	D3	Total/NA	Solid	6010C	361465
460-111496-3 SD	D3	Total/NA	Solid	6010C	361465
460-111496-4	FD-Y	Total/NA	Solid	6010C	361465
ICSA 460-361771/10	ICS		Solid	6010C	
ICSAB 460-361771/11	ICS		Solid	6010C	
LCSSRM 460-361465/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	361465
MB 460-361465/1-A ^2	Method Blank	Total/NA	Solid	6010C	361465

General Chemistry

Analysis Batch: 361555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111496-1	B3	Total/NA	Solid	Moisture	
460-111496-2	D2	Total/NA	Solid	Moisture	
460-111496-4	FD-Y	Total/NA	Solid	Moisture	
460-111566-A-2 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 361557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111496-3	D3	Total/NA	Solid	Moisture	
460-111496-3 DU	D3	Total/NA	Solid	Moisture	
460-111496-3 MS	D3	Total/NA	Solid	Moisture	
460-111496-3 MSD	D3	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 460-111496-1

Client Sample ID: B3

Date Collected: 03/30/16 14:35

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-1

Matrix: Solid

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			361064	04/06/16 10:38	FHW	TAL EDI
Total/NA	Analysis	8270D		1	362028	04/12/16 11:38	MMC	TAL EDI
Total/NA	Prep	3050B			361465	04/08/16 07:27	MDC	TAL EDI
Total/NA	Analysis	6010C		4	361771	04/10/16 15:39	PHP	TAL EDI
Total/NA	Analysis	Moisture		1	361555	04/08/16 16:19	JDH	TAL EDI

Client Sample ID: D2

Date Collected: 03/30/16 13:25

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-2

Matrix: Solid

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			361064	04/06/16 10:38	FHW	TAL EDI
Total/NA	Analysis	8270D		2	362028	04/12/16 13:15	MMC	TAL EDI
Total/NA	Prep	3050B			361465	04/08/16 07:27	MDC	TAL EDI
Total/NA	Analysis	6010C		4	361771	04/10/16 15:43	PHP	TAL EDI
Total/NA	Analysis	Moisture		1	361555	04/08/16 16:19	JDH	TAL EDI

Client Sample ID: D3

Date Collected: 03/30/16 14:10

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-3

Matrix: Solid

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			361064	04/06/16 10:38	FHW	TAL EDI
Total/NA	Analysis	8270D		2	362028	04/12/16 15:42	MMC	TAL EDI
Total/NA	Prep	3050B			361465	04/08/16 07:27	MDC	TAL EDI
Total/NA	Analysis	6010C		4	361771	04/10/16 15:24	PHP	TAL EDI
Total/NA	Analysis	Moisture		1	361557	04/08/16 16:36	JDH	TAL EDI

Client Sample ID: FD-Y

Date Collected: 03/30/16 00:00

Date Received: 03/30/16 17:50

Lab Sample ID: 460-111496-4

Matrix: Solid

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			361064	04/06/16 10:38	FHW	TAL EDI
Total/NA	Analysis	8270D		1	362028	04/12/16 12:02	MMC	TAL EDI
Total/NA	Prep	3050B			361465	04/08/16 07:27	MDC	TAL EDI
Total/NA	Analysis	6010C		4	361771	04/10/16 15:47	PHP	TAL EDI
Total/NA	Analysis	Moisture		1	361555	04/08/16 16:19	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: 460-111496-1

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.: 460-111496-1
 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 #
B3	460-111496-1	54	55	60	61	43	58
D2	460-111496-2	67	67	74	80	52	65
D3	460-111496-3	61	61	65	79	41	51
FD-Y	460-111496-4	57	60	63	66	48	63
	MB 460-361064/1-A	75	77	79	77	73	87
	LCS 460-361064/2-A	74	74	80	82	86	77
	LCS 460-361064/3-A	90 *	95 *	90	87 *	100 *	86
D3 MS	460-111496-3 MS	62	61	67	74	48	50
D3 MSD	460-111496-3 MSD	60	60	63	73	46	52

	QC LIMITS
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.: 460-111496-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132440.D
 Lab ID: LCS 460-361064/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3330	2720	82	64-103	
1,2,4,5-Tetrachlorobenzene	3330	2780	83	62-109	
2,2'-oxybis[1-chloropropane]	3330	2560	77	42-119	
2,3,4,6-Tetrachlorophenol	3330	2900	87	57-113	
2,4,5-Trichlorophenol	3330	2700	81	59-105	
2,4,6-Trichlorophenol	3330	2700	81	61-107	
2,4-Dichlorophenol	3330	2600	78	59-99	
2,4-Dimethylphenol	3330	2600	78	60-98	
2,4-Dinitrophenol	6670	5930	89	26-137	
2,4-Dinitrotoluene	3330	3110	93	61-118	
2,6-Dinitrotoluene	3330	2920	88	63-112	
2-Chloronaphthalene	3330	2750	82	63-102	
2-Chlorophenol	3330	2500	75	58-95	
2-Methylnaphthalene	3330	2600	78	64-102	
2-Methylphenol	3330	2500	75	56-99	
2-Nitroaniline	3330	2980	89	46-113	
2-Nitrophenol	3330	2690	81	63-103	
3,3'-Dichlorobenzidine	3330	1490	45	18-92	
3-Nitroaniline	3330	1810	54	23-89	
4,6-Dinitro-2-methylphenol	6670	6370	96	51-124	
4-Bromophenyl phenyl ether	3330	2870	86	65-114	
4-Chloro-3-methylphenol	3330	2680	80	58-108	
4-Chloroaniline	3330	1250	37	10-82	
4-Chlorophenyl phenyl ether	3330	2860	86	63-107	
4-Methylphenol	3330	2490	75	53-103	
4-Nitroaniline	3330	2900	87	44-109	
4-Nitrophenol	6670	6040	91	45-125	
Acenaphthene	3330	2720	82	59-102	
Acenaphthylene	3330	2810	84	63-102	
Acetophenone	3330	2550	76	56-107	
Anthracene	3330	2920	88	66-105	
Benzo[a]anthracene	3330	2810	84	65-106	
Benzo[a]pyrene	3330	3140	94	68-111	
Benzo[b]fluoranthene	3330	3090	93	67-116	
Benzo[g,h,i]perylene	3330	2830	85	49-124	
Benzo[k]fluoranthene	3330	3120	94	65-114	
Bis(2-chloroethoxy)methane	3330	2760	83	61-102	
Bis(2-chloroethyl)ether	3330	2570	77	58-102	
Bis(2-ethylhexyl) phthalate	3330	3440	103	60-125	
Butyl benzyl phthalate	3330	3170	95	62-123	
Carbazole	3330	3020	91	62-107	
Chrysene	3330	3050	91	64-105	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132440.D
 Lab ID: LCS 460-361064/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dibenz (a,h) anthracene	3330	2980	90	54-126	
Dibenzofuran	3330	2760	83	62-102	
Diethyl phthalate	3330	2980	90	61-110	
Dimethyl phthalate	3330	2950	88	64-108	
Di-n-butyl phthalate	3330	3430	103	62-114	
Di-n-octyl phthalate	3330	3340	100	52-137	
Fluoranthene	3330	3110	93	59-109	
Fluorene	3330	2780	83	65-108	
Hexachlorobenzene	3330	2820	85	65-117	
Hexachlorobutadiene	3330	2680	80	60-105	
Hexachlorocyclopentadiene	3330	3180	95	37-119	
Hexachloroethane	3330	2500	75	60-94	
Indeno[1,2,3-cd]pyrene	3330	2900	87	50-134	
Isophorone	3330	2880	87	60-102	
Naphthalene	3330	2670	80	64-99	
Nitrobenzene	3330	2730	82	59-102	
N-Nitrosodi-n-propylamine	3330	2830	85	56-112	
N-Nitrosodiphenylamine	3330	2880	86	71-119	
Pentachlorophenol	6670	6160	92	47-115	
Phenanthrene	3330	2820	84	66-105	
Phenol	3330	2500	75	55-99	
Pyrene	3330	2520	76	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.: 460-111496-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: L132503.D
Lab ID: LCS 460-361064/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Atrazine	6670	7360	110	41-116	
Benzaldehyde	6670	6100	91	55-116	
Caprolactam	6670	8540	128	44-129	E

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.: 460-111496-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: x12742.D

Lab ID: 460-111496-3 MS

Client ID: D3 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3590	710 U	2840	79	64-103	
1,2,4,5-Tetrachlorobenzene	3590	710 U	2520	70	62-109	
2,2'-oxybis[1-chloropropane]	3590	710 U	2400	67	42-119	
2,3,4,6-Tetrachlorophenol	3590	710 U	1820	51	57-113	*
2,4,5-Trichlorophenol	3590	710 U	2000	56	59-105	*
2,4,6-Trichlorophenol	3590	290 U	2170	61	61-107	
2,4-Dichlorophenol	3590	290 U	2190	61	59-99	
2,4-Dimethylphenol	3590	710 U	2480	69	60-98	
2,4-Dinitrophenol	7170	570 U	736	10	26-137	*
2,4-Dinitrotoluene	3590	140 U	2160	60	61-118	*
2,6-Dinitrotoluene	3590	140 U	2500	70	63-112	
2-Chloronaphthalene	3590	710 U	2700	75	63-102	
2-Chlorophenol	3590	710 U	2320	65	58-95	
2-Methylnaphthalene	3590	710 U	2360	66	64-102	
2-Methylphenol	3590	710 U	2340	65	56-99	
2-Nitroaniline	3590	710 U	2540	71	46-113	
2-Nitrophenol	3590	710 U	1830	51	63-103	*
3,3'-Dichlorobenzidine	3590	290 U	1940	54	18-92	
3-Nitroaniline	3590	710 U	2270	63	23-89	
4,6-Dinitro-2-methylphenol	7170	570 U	1190	17	51-124	*
4-Bromophenyl phenyl ether	3590	710 U	2670	75	65-114	
4-Chloro-3-methylphenol	3590	710 U	2250	63	58-108	
4-Chloroaniline	3590	710 U	1300	36	10-82	
4-Chlorophenyl phenyl ether	3590	710 U	2500	70	63-107	
4-Methylphenol	3590	710 U	2310	64	53-103	
4-Nitroaniline	3590	710 U	2160	60	44-109	
4-Nitrophenol	7170	1400 U	3560	50	45-125	
Acenaphthene	3590	35 J	2450	67	59-102	
Acenaphthylene	3590	53 J	2640	72	63-102	
Acetophenone	3590	710 U	2390	67	56-107	
Anthracene	3590	170 J	2920	77	66-105	
Atrazine	7170	290 U	6240	87	41-116	
Benzaldehyde	7170	710 U	4070	57	55-116	
Benzo[a]anthracene	3590	660	3070	67	65-106	
Benzo[a]pyrene	3590	710	3100	67	68-111	*
Benzo[b]fluoranthene	3590	950	3270	64	67-116	*
Benzo[g,h,i]perylene	3590	440 J	2340	53	49-124	
Benzo[k]fluoranthene	3590	390	2580	61	65-114	*
Bis(2-chloroethoxy)methane	3590	710 U	2930	82	61-102	
Bis(2-chloroethyl)ether	3590	71 U	2340	65	58-102	
Bis(2-ethylhexyl) phthalate	3590	38 J	2480	68	60-125	
Butyl benzyl phthalate	3590	46 J	2430	67	62-123	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x12742.D
 Lab ID: 460-111496-3 MS Client ID: D3 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Caprolactam	7170	710 U	4350	61	44-129	
Carbazole	3590	41 J	2740	75	62-107	
Chrysene	3590	700 J	3110	67	64-105	
Dibenz (a,h) anthracene	3590	120	2620	70	54-126	
Dibenzofuran	3590	710 U	2560	71	62-102	
Diethyl phthalate	3590	710 U	3190	89	61-110	
Dimethyl phthalate	3590	710 U	3300	92	64-108	
Di-n-butyl phthalate	3590	27 J	3300	91	62-114	
Di-n-octyl phthalate	3590	710 U	1890	53	52-137	
Fluoranthene	3590	1200	4070	80	59-109	
Fluorene	3590	36 J	2460	67	65-108	
Hexachlorobenzene	3590	71 U	2370	66	65-117	
Hexachlorobutadiene	3590	140 U	2400	67	60-105	
Hexachlorocyclopentadiene	3590	710 U	854	24	37-119	*
Hexachloroethane	3590	71 U	1970	55	60-94	*
Indeno[1,2,3-cd]pyrene	3590	580	3070	69	50-134	
Isophorone	3590	290 U	2790	78	60-102	
Naphthalene	3590	710 U	2510	70	64-99	
Nitrobenzene	3590	71 U	2440	68	59-102	
N-Nitrosodi-n-propylamine	3590	71 U	2390	67	56-112	
N-Nitrosodiphenylamine	3590	710 U	2900	81	71-119	
Pentachlorophenol	7170	570 U	3640	51	47-115	
Phenanthrene	3590	500 J	3000	70	66-105	
Phenol	3590	710 U	134 J	4	55-99	*
Pyrene	3590	690 J	2520	51	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.: 460-111496-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: x12743.D

Lab ID: 460-111496-3 MSD

Client ID: D3 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	3590	2700	75	5	30	64-103	
1,2,4,5-Tetrachlorobenzene	3590	2430	68	4	30	62-109	
2,2'-oxybis[1-chloropropane]	3590	2190	61	9	30	42-119	
2,3,4,6-Tetrachlorophenol	3590	1730	48	5	30	57-113	*
2,4,5-Trichlorophenol	3590	1930	54	4	30	59-105	*
2,4,6-Trichlorophenol	3590	2090	58	4	30	61-107	*
2,4-Dichlorophenol	3590	2120	59	3	30	59-99	
2,4-Dimethylphenol	3590	2450	68	1	30	60-98	
2,4-Dinitrophenol	7180	638	9	14	30	26-137	*
2,4-Dinitrotoluene	3590	2230	62	3	30	61-118	
2,6-Dinitrotoluene	3590	2500	70	0	30	63-112	
2-Chloronaphthalene	3590	2600	73	4	30	63-102	
2-Chlorophenol	3590	2260	63	2	30	58-95	
2-Methylnaphthalene	3590	2380	66	1	30	64-102	
2-Methylphenol	3590	2320	65	1	30	56-99	
2-Nitroaniline	3590	2450	68	4	30	46-113	
2-Nitrophenol	3590	1690	47	8	30	63-103	*
3,3'-Dichlorobenzidine	3590	1910	53	1	30	18-92	
3-Nitroaniline	3590	2350	65	3	30	23-89	
4,6-Dinitro-2-methylphenol	7180	1020	14	16	30	51-124	*
4-Bromophenyl phenyl ether	3590	2620	73	2	30	65-114	
4-Chloro-3-methylphenol	3590	2220	62	1	30	58-108	
4-Chloroaniline	3590	1210	34	7	30	10-82	
4-Chlorophenyl phenyl ether	3590	2520	70	1	30	63-107	
4-Methylphenol	3590	2350	66	2	30	53-103	
4-Nitroaniline	3590	2220	62	3	30	44-109	
4-Nitrophenol	7180	3290	46	8	30	45-125	
Acenaphthene	3590	2700	74	10	30	59-102	
Acenaphthylene	3590	2580	70	2	30	63-102	
Acetophenone	3590	2330	65	2	30	56-107	
Anthracene	3590	3550	94	20	30	66-105	
Atrazine	7180	6360	89	2	30	41-116	
Benzaldehyde	7180	3970	55	2	30	55-116	
Benzo[a]anthracene	3590	5120	124	50	30	65-106	*
Benzo[a]pyrene	3590	5100	122	49	30	68-111	*
Benzo[b]fluoranthene	3590	5710	132	54	30	67-116	*
Benzo[g,h,i]perylene	3590	3030	72	26	30	49-124	
Benzo[k]fluoranthene	3590	3490	87	30	30	65-114	
Bis(2-chloroethoxy)methane	3590	2800	78	5	30	61-102	
Bis(2-chloroethyl)ether	3590	2280	64	2	30	58-102	
Bis(2-ethylhexyl) phthalate	3590	2480	68	0	30	60-125	
Butyl benzyl phthalate	3590	2390	65	2	30	62-123	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x12743.D
 Lab ID: 460-111496-3 MSD Client ID: D3 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	7180	4410	62	1	30	44-129	
Carbazole	3590	2680	74	2	30	62-107	
Chrysene	3590	5100	122	48	30	64-105	*
Dibenz (a,h) anthracene	3590	2720	72	4	30	54-126	
Dibenzofuran	3590	2710	75	6	30	62-102	
Diethyl phthalate	3590	3180	89	0	30	61-110	
Dimethyl phthalate	3590	3240	90	2	30	64-108	
Di-n-butyl phthalate	3590	3170	88	4	30	62-114	
Di-n-octyl phthalate	3590	1930	54	2	30	52-137	
Fluoranthene	3590	8440	202	70	30	59-109	*
Fluorene	3590	2730	75	10	30	65-108	
Hexachlorobenzene	3590	2340	65	1	30	65-117	
Hexachlorobutadiene	3590	2280	63	5	30	60-105	
Hexachlorocyclopentadiene	3590	800	22	7	30	37-119	*
Hexachloroethane	3590	1830	51	7	30	60-94	*
Indeno[1,2,3-cd]pyrene	3590	4160	100	30	30	50-134	
Isophorone	3590	2610	73	7	30	60-102	
Naphthalene	3590	2490	69	1	30	64-99	
Nitrobenzene	3590	2260	63	8	30	59-102	
N-Nitrosodi-n-propylamine	3590	2260	63	6	30	56-112	
N-Nitrosodiphenylamine	3590	2900	81	0	30	71-119	
Pentachlorophenol	7180	3330	46	9	30	47-115	*
Phenanthrene	3590	5830	149	64	30	66-105	*
Phenol	3590	2270	63	178	30	55-99	*
Pyrene	3590	5280	128	71	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.: 460-111496-1
SDG No.: _____
Lab File ID: L132434.D Lab Sample ID: MB 460-361064/1-A
Matrix: Solid Date Extracted: 04/06/2016 10:38
Instrument ID: CBNAMS12 Date Analyzed: 04/08/2016 12:20
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-361064/3-A	L132503.D	04/07/2016 22:22
	LCS 460-361064/2-A	L132440.D	04/08/2016 14:56
B3	460-111496-1	x12734.D	04/12/2016 11:38
FD-Y	460-111496-4	x12735.D	04/12/2016 12:02
D2	460-111496-2	x12738.D	04/12/2016 13:15
D3 MS	460-111496-3 MS	x12742.D	04/12/2016 14:53
D3 MSD	460-111496-3 MSD	x12743.D	04/12/2016 15:17
D3	460-111496-3	x12744.D	04/12/2016 15:42

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab File ID: L132061c.D DFTPP Injection Date: 03/29/2016
Instrument ID: CBNAMS12 DFTPP Injection Time: 02:25
Analysis Batch No.: 359292

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	52.4
68	Less than 2.0 % of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	42.1
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	49.8
197	Less than 1.0 % of mass 198	0.8
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.2
275	10.0 - 30.0 % of mass 198	24.3
365	Greater than 1.0 % of mass 198	2.9
441	Present but less than mass 443	10.6 (76.3) 3
442	Greater than 40.0 % of mass 198	69.2
443	17.0 - 23.0 % of mass 442	13.9 (20.1) 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
	STD50 460-359292/11	L132071.D	03/29/2016	06:48
	STD120 460-359292/12	L132072.D	03/29/2016	07:15
	STD080 460-359292/13	L132073.D	03/29/2016	07:41
	STD020 460-359292/14	L132074.D	03/29/2016	08:07
	STD010 460-359292/15	L132075.D	03/29/2016	08:33
	STD5 460-359292/16	L132076.D	03/29/2016	08:59
	STD2 460-359292/17	L132077.D	03/29/2016	09:25
	ICV 460-359292/19	L132079.D	03/29/2016	10:18

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab File ID: L132419.D DFTPP Injection Date: 04/06/2016
Instrument ID: CBNAMS12 DFTPP Injection Time: 05:49
Analysis Batch No.: 360983

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	51.6
68	Less than 2.0 % of mass 69	0.6 (1.4) 1
69	Mass 69 relative abundance	41.4
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	48.5
197	Less than 1.0 % of mass 198	0.5
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.4
275	10.0 - 30.0 % of mass 198	22.2
365	Greater than 1.0 % of mass 198	3.0
441	Present but less than mass 443	10.7 (79.4) 3
442	Greater than 40.0 % of mass 198	67.3
443	17.0 - 23.0 % of mass 442	13.4 (20.0) 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 460-360983/2	L132420.D	04/06/2016	06:07
	STD120 460-360983/3	L132421.D	04/06/2016	06:51
	STD80 460-360983/4	L132422.D	04/06/2016	07:17
	STD20 460-360983/5	L132423.D	04/06/2016	07:43
	STD10 460-360983/6	L132424.D	04/06/2016	08:09
	STD5 460-360983/7	L132425.D	04/06/2016	08:35
	STD2 460-360983/8	L132426.D	04/06/2016	09:01
	STD1 460-360983/9	L132427.D	04/06/2016	09:27
	STD05 460-360983/10	L132428.D	04/06/2016	09:53
	ICV 460-360983/11	L132429.D	04/06/2016	10:19

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab File ID: L132498.D DFTPP Injection Date: 04/07/2016
 Instrument ID: CBNAMS12 DFTPP Injection Time: 20:05
 Analysis Batch No.: 361342

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	56.6
68	Less than 2.0 % of mass 69	0.9 (2.0) 1
69	Mass 69 relative abundance	43.6
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	52.1
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	22.1
365	Greater than 1.0 % of mass 198	2.8
441	Present but less than mass 443	9.6 (74.6) 3
442	Greater than 40.0 % of mass 198	64.3
443	17.0 - 23.0 % of mass 442	12.9 (20.1) 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 460-361342/2	L132499.D	04/07/2016	20:26
	CCV 460-361342/3	L132500.D	04/07/2016	21:02
	LCS 460-361064/3-A	L132503.D	04/07/2016	22:22

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab File ID: L132431.D DFTPP Injection Date: 04/08/2016
Instrument ID: CBNAMS12 DFTPP Injection Time: 10:56
Analysis Batch No.: 361481

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	57.9
68	Less than 2.0 % of mass 69	0.2 (0.4) 1
69	Mass 69 relative abundance	46.0
70	Less than 2.0 % of mass 69	0.2 (0.4) 1
127	40.0 - 60.0 % of mass 198	53.0
197	Less than 1.0 % of mass 198	0.6
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.6
275	10.0 - 30.0 % of mass 198	22.6
365	Greater than 1.0 % of mass 198	2.8
441	Present but less than mass 443	10.0 (75.6) 3
442	Greater than 40.0 % of mass 198	64.5
443	17.0 - 23.0 % of mass 442	13.3 (20.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-361481/2	L132432.D	04/08/2016	11:23
	CCV 460-361481/3	L132433.D	04/08/2016	11:52
	MB 460-361064/1-A	L132434.D	04/08/2016	12:20
	LCS 460-361064/2-A	L132440.D	04/08/2016	14:56

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab File ID: x12691.D DFTPP Injection Date: 04/11/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 13:27
Analysis Batch No.: 361914

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	49.4
68	Less than 2.0 % of mass 69	0.8 (2.0) 1
69	Mass 69 relative abundance	40.0
70	Less than 2.0 % of mass 69	0.5 (1.3) 1
127	40.0 - 60.0 % of mass 198	50.2
197	Less than 1.0 % of mass 198	0.4
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.0
275	10.0 - 30.0 % of mass 198	24.5
365	Greater than 1.0 % of mass 198	4.3
441	Present but less than mass 443	19.6 (76.4) 3
442	Greater than 40.0 % of mass 198	130.1
443	17.0 - 23.0 % of mass 442	25.7 (19.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-361914/2	x12692.D	04/11/2016	13:47
	STD120 460-361914/3	x12693.D	04/11/2016	14:11
	STD80 460-361914/4	x12694.D	04/11/2016	14:35
	STD20 460-361914/5	x12695.D	04/11/2016	15:00
	STD10 460-361914/6	x12696.D	04/11/2016	15:24
	STD5 460-361914/7	x12697.D	04/11/2016	15:48
	STD2 460-361914/8	x12698.D	04/11/2016	16:13
	STD1 460-361914/9	x12699.D	04/11/2016	16:37
	STD05 460-361914/10	x12700.D	04/11/2016	17:01
	STD50 460-361914/11	x12701.D	04/11/2016	17:25
	STD120 460-361914/12	x12702.D	04/11/2016	17:49
	STD80 460-361914/13	x12703.D	04/11/2016	18:14
	STD20 460-361914/14	x12704.D	04/11/2016	18:38
	STD10 460-361914/15	x12705.D	04/11/2016	19:03
	STD5 460-361914/16	x12706.D	04/11/2016	19:27
	STD2 460-361914/17	x12707.D	04/11/2016	19:51
	ICV 460-361914/18	x12708.D	04/11/2016	20:16
	ICV 460-361914/19	x12709e.D	04/11/2016	22:26

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab File ID: x12715.D DFTPP Injection Date: 04/12/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 03:50
Analysis Batch No.: 362028

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	42.8
68	Less than 2.0 % of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	34.7
70	Less than 2.0 % of mass 69	0.2 (0.7) 1
127	40.0 - 60.0 % of mass 198	44.2
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	5.7
275	10.0 - 30.0 % of mass 198	25.2
365	Greater than 1.0 % of mass 198	4.2
441	Present but less than mass 443	19.6 (76.1) 3
442	Greater than 40.0 % of mass 198	141.6
443	17.0 - 23.0 % of mass 442	25.7 (18.2) 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 460-362028/2	x12716.D	04/12/2016	04:05
	CCV 460-362028/3	x12717.D	04/12/2016	04:30
B3	460-111496-1	x12734.D	04/12/2016	11:38
FD-Y	460-111496-4	x12735.D	04/12/2016	12:02
D2	460-111496-2	x12738.D	04/12/2016	13:15
D3 MS	460-111496-3 MS	x12742.D	04/12/2016	14:53
D3 MSD	460-111496-3 MSD	x12743.D	04/12/2016	15:17
D3	460-111496-3	x12744.D	04/12/2016	15:42

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Sample No.: ICIS 460-360983/2 Date Analyzed: 04/06/2016 06:07
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132420.D Heated Purge: (Y/N) N
 Calibration ID: 55186

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	208314	4.21	704688	5.50	309330	7.26	
UPPER LIMIT	416628	4.71	1409376	6.00	618660	7.76	
LOWER LIMIT	104157	3.71	352344	5.00	154665	6.76	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-360983/11		205651	4.21	728593	5.50	336843	7.26

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.: 460-111496-1
 SDG No.: _____
 Sample No.: ICIS 460-360983/2 Date Analyzed: 04/06/2016 06:07
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132420.D Heated Purge: (Y/N) N
 Calibration ID: 55186

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	375162	8.72	196630	11.46	181691	13.36
UPPER LIMIT	750324	9.22	393260	11.96	363382	13.86
LOWER LIMIT	187581	8.22	98315	10.96	90846	12.86
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 460-360983/11		426971	8.71	220839	11.46	194971 13.35

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.: 460-111496-1
 SDG No.: _____
 Sample No.: CCVIS 460-361342/2 Date Analyzed: 04/07/2016 20:26
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132499.D Heated Purge: (Y/N) N
 Calibration ID: 55186

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		224882	4.06	805065	5.35	375669	7.09
UPPER LIMIT		449764	4.56	1610130	5.85	751338	7.59
LOWER LIMIT		112441	3.56	402533	4.85	187835	6.59
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-361064/3-A		140881	4.05	552521	5.34	289726	7.09

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.: 460-111496-1
 SDG No.: _____
 Sample No.: CCVIS 460-361342/2 Date Analyzed: 04/07/2016 20:26
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132499.D Heated Purge: (Y/N) N
 Calibration ID: 55186

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	493861	8.55	310588	11.25	259033	13.09
UPPER LIMIT	987722	9.05	621176	11.75	518066	13.59
LOWER LIMIT	246931	8.05	155294	10.75	129517	12.59
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-361064/3-A		441000	8.55	351322	11.24	283390
						13.09

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.: 460-111496-1
 SDG No.: _____
 Sample No.: CCVIS 460-361481/2 Date Analyzed: 04/08/2016 11:23
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132432.D Heated Purge: (Y/N) N
 Calibration ID: 55186

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	179047	4.02	613478	5.32	276000	7.06	
UPPER LIMIT	358094	4.52	1226956	5.82	552000	7.56	
LOWER LIMIT	89524	3.52	306739	4.82	138000	6.56	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-361064/1-A		275153	4.02	1014632	5.31	487689	7.06
LCS 460-361064/2-A		237213	4.02	808438	5.31	356236	7.06

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.: 460-111496-1
 SDG No.: _____
 Sample No.: CCVIS 460-361481/2 Date Analyzed: 04/08/2016 11:23
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132432.D Heated Purge: (Y/N) N
 Calibration ID: 55186

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	367614	8.52	265663	11.22	261995	13.07	
UPPER LIMIT	735228	9.02	531326	11.72	523990	13.57	
LOWER LIMIT	183807	8.02	132832	10.72	130998	12.57	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-361064/1-A		636836	8.52	335060	11.22	252320	13.06
LCS 460-361064/2-A		442298	8.52	284482	11.22	235858	13.06

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Sample No.: ICIS 460-361914/2 Date Analyzed: 04/11/2016 13:47
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12692.D Heated Purge: (Y/N) N
 Calibration ID: 55291

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	927586	4.51	3027697	5.79	1518049	7.54	
UPPER LIMIT	1855172	5.01	6055394	6.29	3036098	8.04	
LOWER LIMIT	463793	4.01	1513849	5.29	759025	7.04	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-361914/18		1035985	4.51	3414076	5.79	1695354	7.54
ICV 460-361914/19		1340707	4.51	4497487	5.78	2423592	7.54

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.: 460-111496-1
 SDG No.: _____
 Sample No.: ICIS 460-361914/2 Date Analyzed: 04/11/2016 13:47
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12692.D Heated Purge: (Y/N) N
 Calibration ID: 55291

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1997195	9.01	1276231	11.82	1099439	13.79	
UPPER LIMIT	3994390	9.51	2552462	12.32	2198878	14.29	
LOWER LIMIT	998598	8.51	638116	11.32	549720	13.29	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-361914/18		2195104	9.01	1383434	11.82	1125396	13.78
ICV 460-361914/19		3454936	9.01	1984105	11.82	1514479	13.78

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.: 460-111496-1
 SDG No.: _____
 Sample No.: CCVIS 460-362028/2 Date Analyzed: 04/12/2016 04:05
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12716.D Heated Purge: (Y/N) N
 Calibration ID: 55296

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1199888	4.51	4065567	5.79	2126472	7.54
UPPER LIMIT		2399776	5.01	8131134	6.29	4252944	8.04
LOWER LIMIT		599944	4.01	2032784	5.29	1063236	7.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-111496-1	B3	1195944	4.50	4005296	5.78	1875596	7.54
460-111496-4	FD-Y	1346670	4.50	4484231	5.78	2161380	7.54
460-111496-2	D2	1158591	4.50	3734676	5.78	1732010	7.54
460-111496-3 MS	D3 MS	1024866	4.51	3130570	5.78	1359655	7.54
460-111496-3 MSD	D3 MSD	1120106	4.51	3555458	5.78	1618858	7.54
460-111496-3	D3	1070763	4.51	3337536	5.78	1414673	7.54

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.: 460-111496-1
 SDG No.: _____
 Sample No.: CCVIS 460-362028/2 Date Analyzed: 04/12/2016 04:05
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12716.D Heated Purge: (Y/N) N
 Calibration ID: 55296

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	3094185	9.01	1974507	11.82	1611149	13.78
UPPER LIMIT	6188370	9.51	3949014	12.32	3222298	14.28
LOWER LIMIT	1547093	8.51	987254	11.32	805575	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-111496-1	B3	2215578	9.00	1582128	11.81	2081998 13.79
460-111496-4	FD-Y	2526047	9.00	1834589	11.81	2348809 13.79
460-111496-2	D2	2078090	9.00	1585881	11.82	2237699 13.79
460-111496-3 MS	D3 MS	1608817	9.01	1525963	11.82	2108116 13.79
460-111496-3 MSD	D3 MSD	1979692	9.01	1740579	11.82	2276336 13.80
460-111496-3	D3	1677579	9.00	1615640	11.82	2163236 13.79

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>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>B3</u>	Lab Sample ID: <u>460-111496-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12734.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:35</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0445(g)</u>	Date Analyzed: <u>04/12/2016 11:38</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>6.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</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	8.3
105-67-9	2,4-Dimethylphenol	350	U	350	78
51-28-5	2,4-Dinitrophenol	280	U	280	270
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	8.0
95-57-8	2-Chlorophenol	350	U	350	9.0
91-57-6	2-Methylnaphthalene	350	U	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	39
99-09-2	3-Nitroaniline	350	U	350	10
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	94
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	9.6
100-01-6	4-Nitroaniline	350	U	350	13
100-02-7	4-Nitrophenol	710	U	710	170
83-32-9	Acenaphthene	22	J	350	8.5
208-96-8	Acenaphthylene	16	J	350	9.1
98-86-2	Acetophenone	350	U	350	7.7
120-12-7	Anthracene	55	J	350	33
1912-24-9	Atrazine	140	U	140	16
100-52-7	Benzaldehyde	350	U	350	27
56-55-3	Benzo[a]anthracene	240		35	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>B3</u>	Lab Sample ID: <u>460-111496-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12734.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:35</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0445(g)</u>	Date Analyzed: <u>04/12/2016 11:38</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>6.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	270		35	11
205-99-2	Benzo[b]fluoranthene	330		35	14
191-24-2	Benzo[g,h,i]perylene	190	J	350	20
207-08-9	Benzo[k]fluoranthene	120		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	35	J	350	8.7
218-01-9	Chrysene	280	J	350	9.6
53-70-3	Dibenz(a,h)anthracene	55		35	18
132-64-9	Dibenzofuran	12	J	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	500		350	10
86-73-7	Fluorene	19	J	350	7.7
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	71	U	71	9.9
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	270		35	23
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	280	U	280	43
85-01-8	Phenanthrene	300	J	350	9.4
108-95-2	Phenol	350	U	350	12
129-00-0	Pyrene	380		350	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>B3</u>	Lab Sample ID: <u>460-111496-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12734.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:35</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0445(g)</u>	Date Analyzed: <u>04/12/2016 11:38</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>6.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	43		10-95
321-60-8	2-Fluorobiphenyl	61		27-84
367-12-4	2-Fluorophenol (Surr)	54		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	60		28-92
4165-62-2	Phenol-d5 (Surr)	55		22-88
1718-51-0	Terphenyl-d14 (Surr)	58		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D
 Lims ID: 460-111496-A-1-A Lab Sample ID: 460-111496-1
 Client ID: B3
 Sample Type: Client
 Inject. Date: 12-Apr-2016 11:38:30 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039742-020
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 12:58:02 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 12-Apr-2016 12:58:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.248	3.218	0.030	95	1164537	26.8	
\$ 6 Phenol-d5	99	4.124	4.142	-0.018	87	1357406	27.4	
* 14 1,4-Dichlorobenzene-d4	152	4.500	4.506	-0.006	97	1195944	40.0	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	93	1254515	29.8	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	4005296	40.0	
39 Naphthalene	128	5.800	5.812	-0.012	98	11783	0.1115	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	2436260	30.6	
61 Acenaphthylene	152	7.394	7.400	-0.006	97	18668	0.2277	
* 65 Acenaphthene-d10	164	7.536	7.535	0.001	91	1875596	40.0	
67 Acenaphthene	154	7.565	7.577	-0.012	93	16878	0.3101	
71 Dibenzofuran	168	7.735	7.747	-0.012	94	12897	0.1657	
75 Fluorene	166	8.071	8.083	-0.012	98	14597	0.2604	
\$ 80 2,4,6-Tribromophenol	330	8.312	8.324	-0.012	90	332673	21.5	
* 88 Phenanthrene-d10	188	9.000	9.000	0.000	97	2215578	40.0	
89 Phenanthrene	178	9.024	9.030	-0.006	97	259425	4.18	
90 Anthracene	178	9.071	9.083	-0.012	99	48622	0.7774	
91 Carbazole	167	9.230	9.235	-0.005	97	22633	0.4905	
93 Fluoranthene	202	10.194	10.200	-0.006	99	375679	6.99	
95 Pyrene	202	10.429	10.429	0.000	98	322436	5.29	
\$ 96 Terphenyl-d14	244	10.588	10.588	0.000	98	1426028	29.1	
101 Benzo[a]anthracene	228	11.800	11.800	0.000	96	154592	3.38	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1582128	40.0	
103 Chrysene	228	11.841	11.853	-0.012	100	161092	3.90	
106 Benzo[b]fluoranthene	252	13.247	13.247	0.000	97	256988	4.69	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	19	98658	1.68	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	187573	3.81	
* 109 Perylene-d12	264	13.788	13.782	0.006	98	2081998	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.376	15.382	-0.006	96	159169	3.80	
111 Dibenz(a,h)anthracene	278	15.411	15.417	-0.006	30	35800	0.7766	
112 Benzo[g,h,i]perylene	276	15.823	15.835	-0.012	95	139603	2.70	

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160412-39742.b\\x12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Worklist Smp#: 20

Client ID: B3

Injection Vol: 1.0 ul

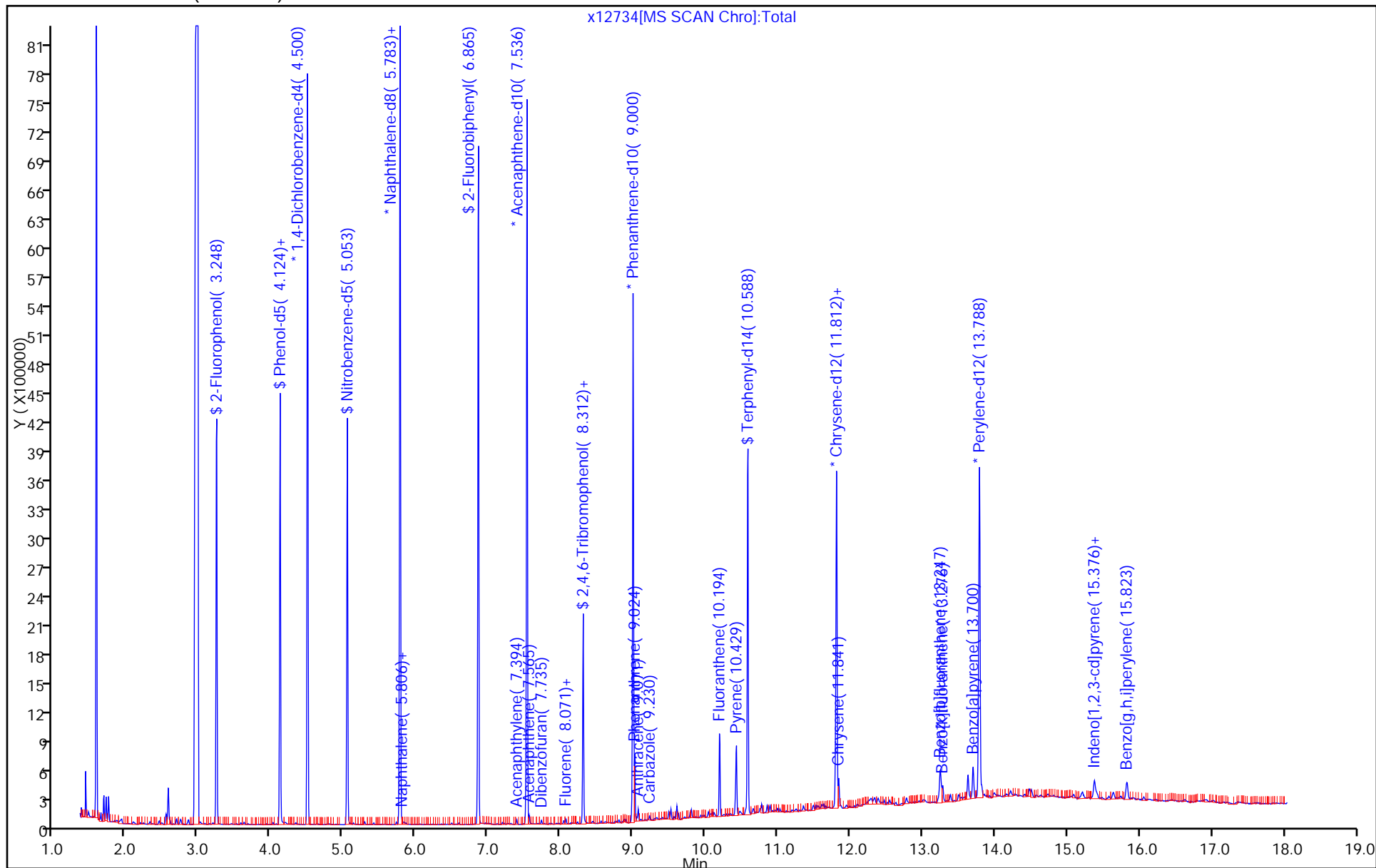
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul

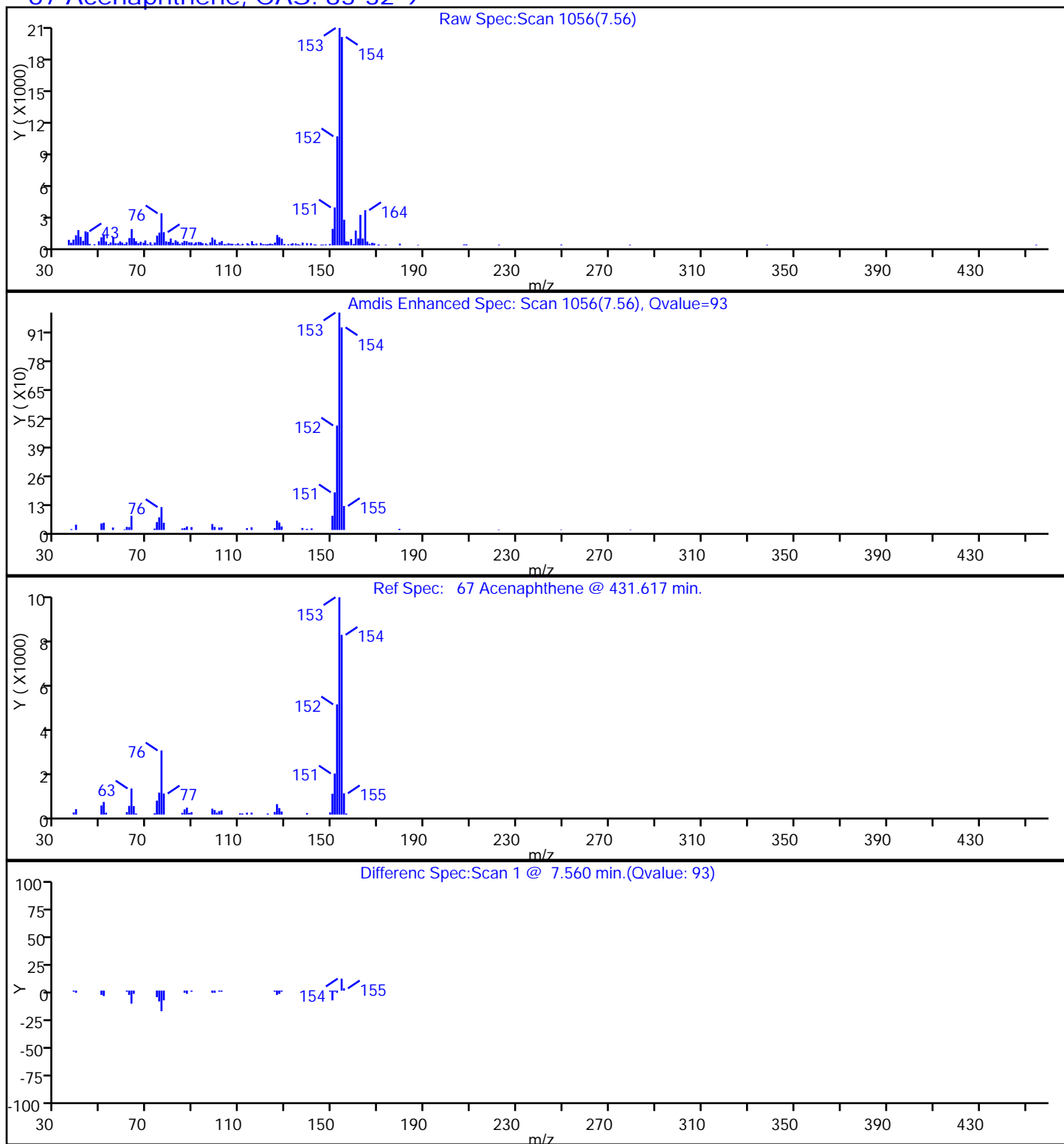
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

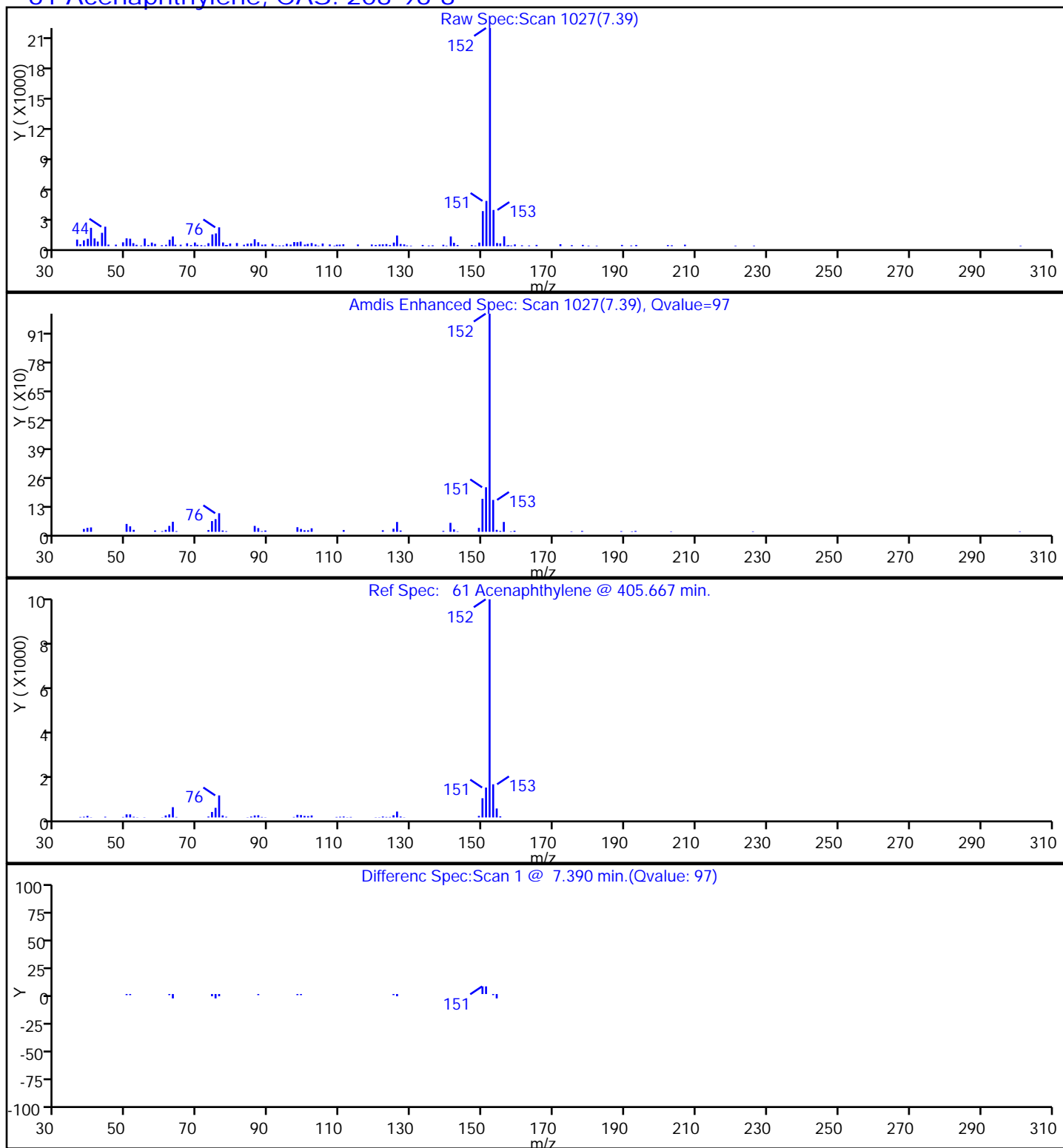
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

Worklist Smp#: 20

Injection Vol: 1.0 ul

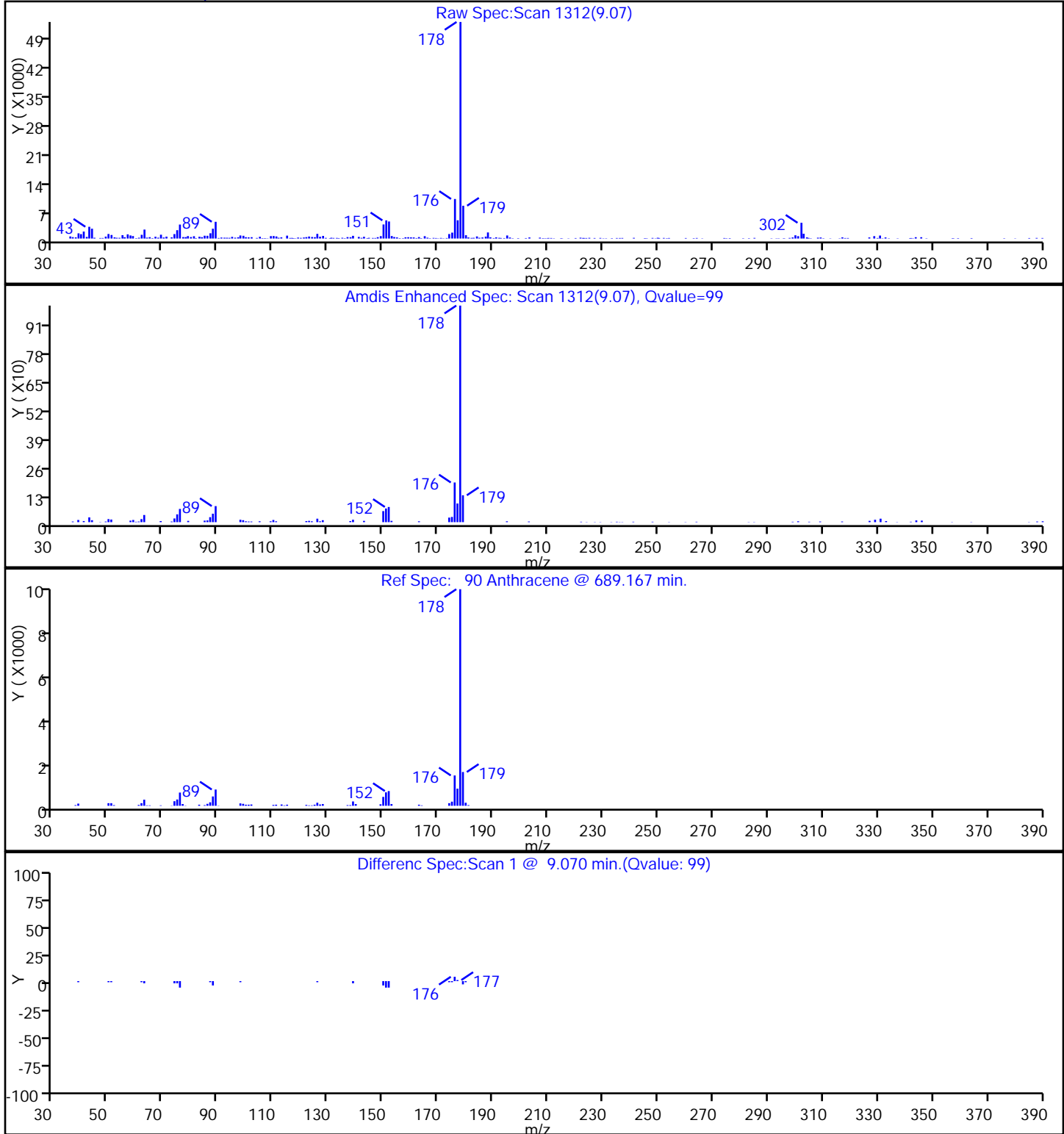
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

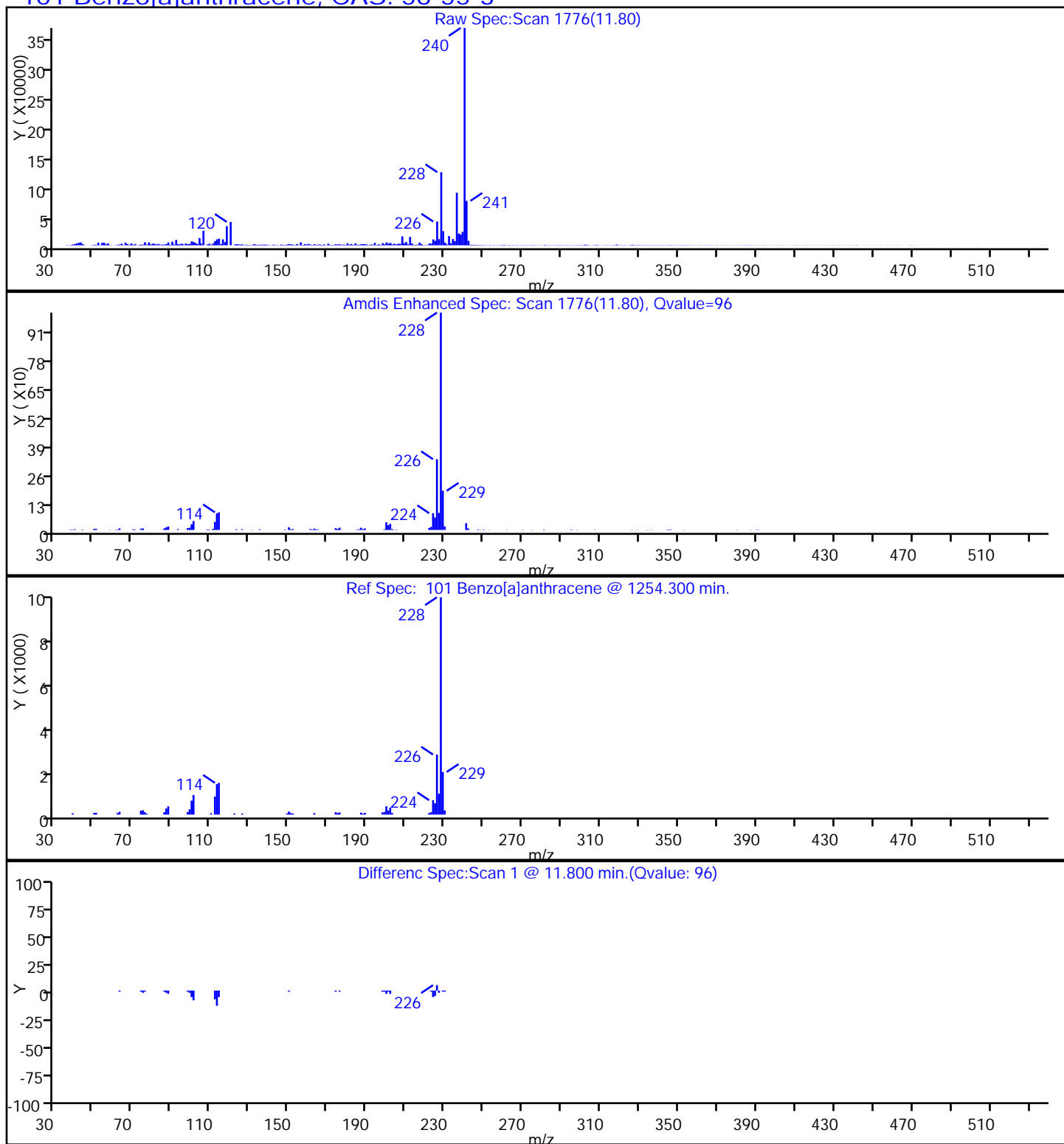
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

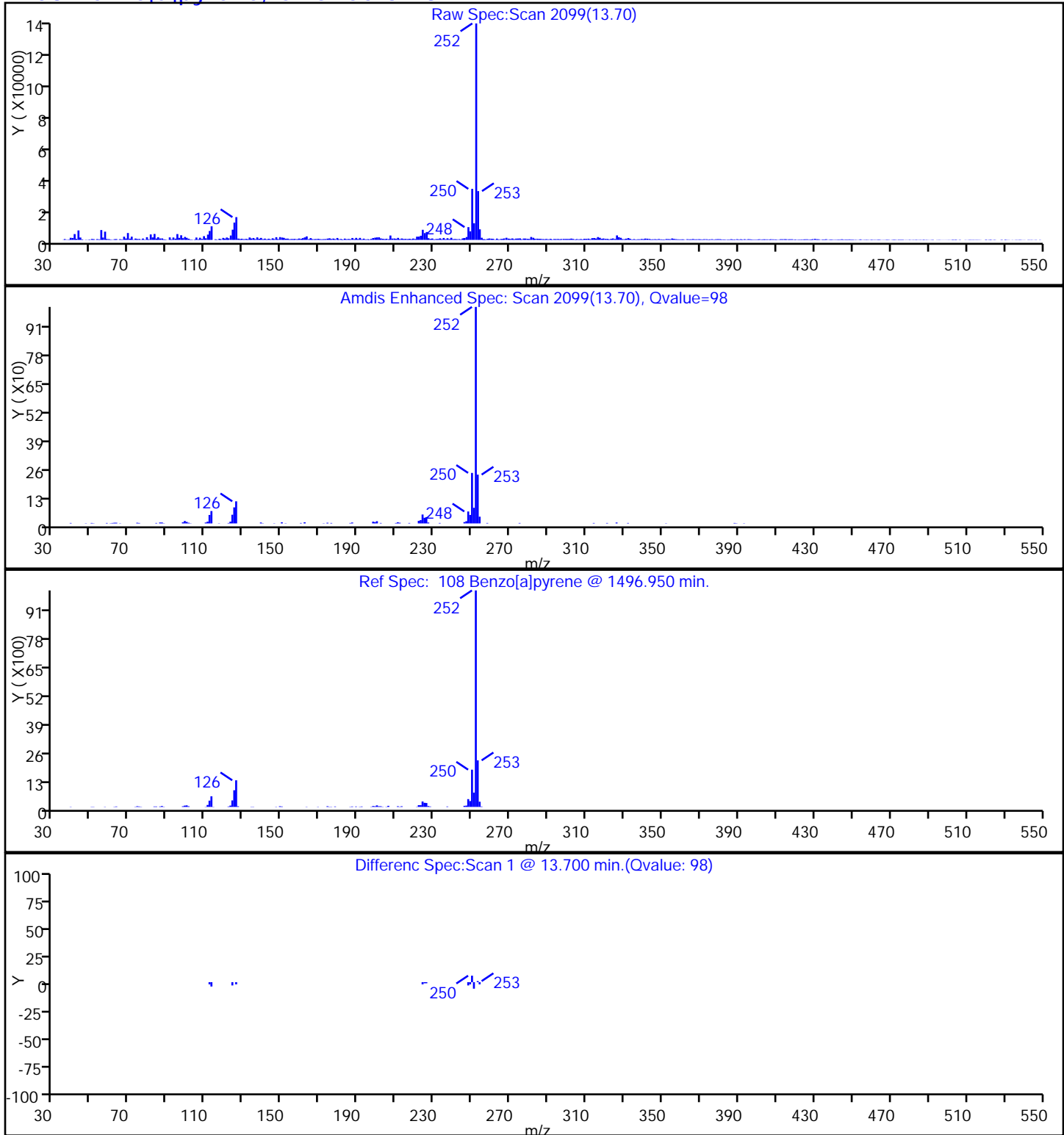
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

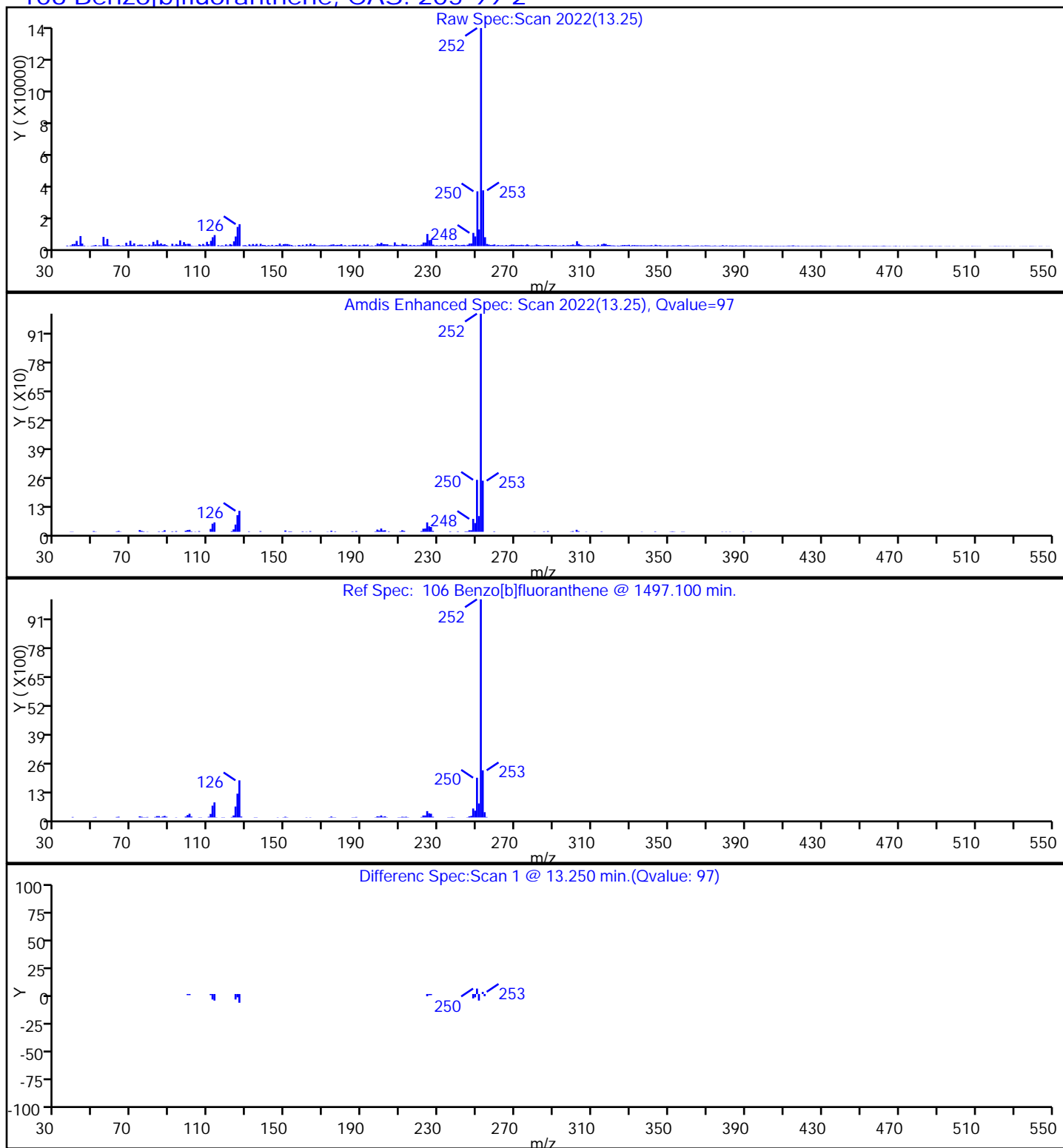
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

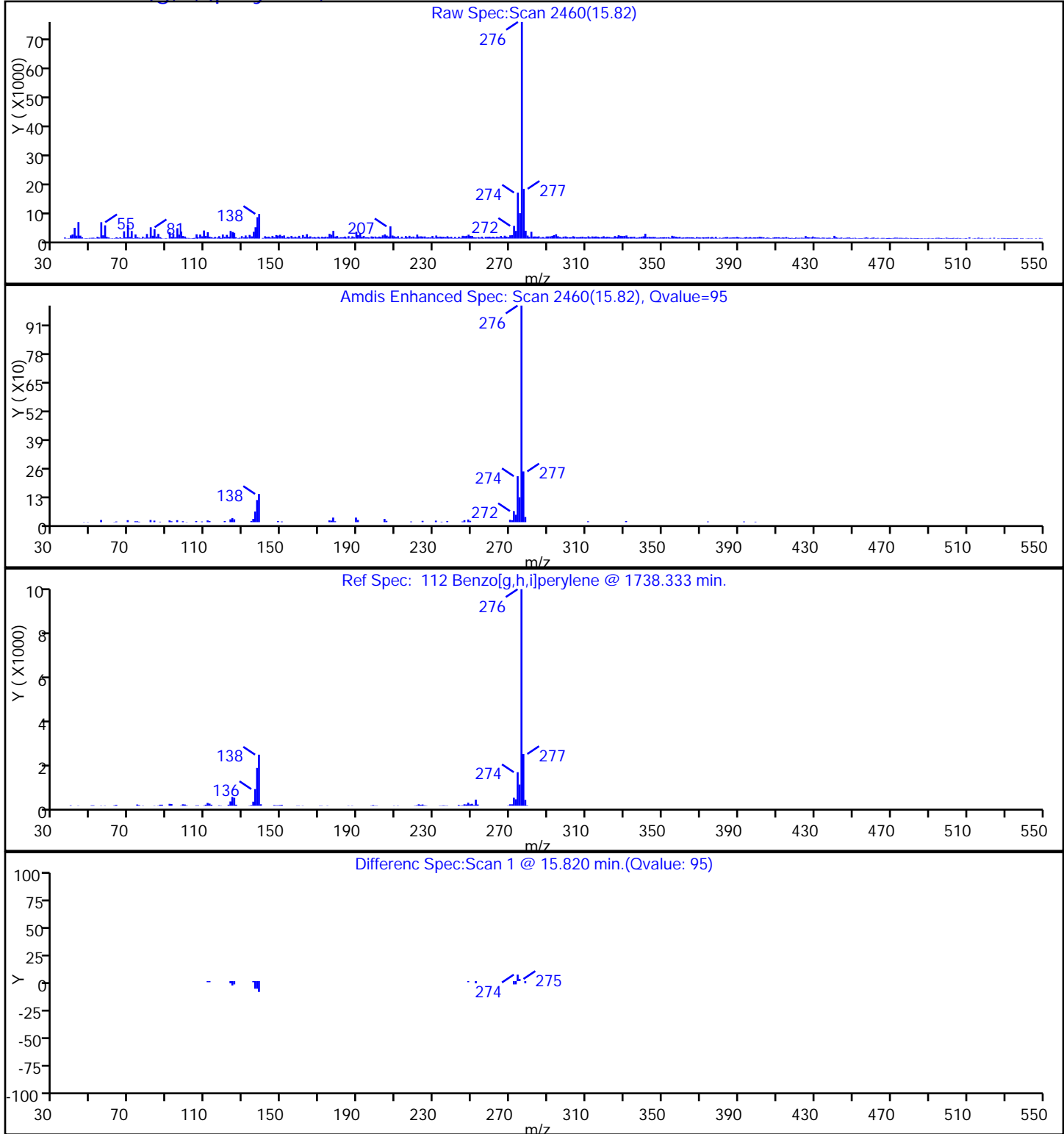
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

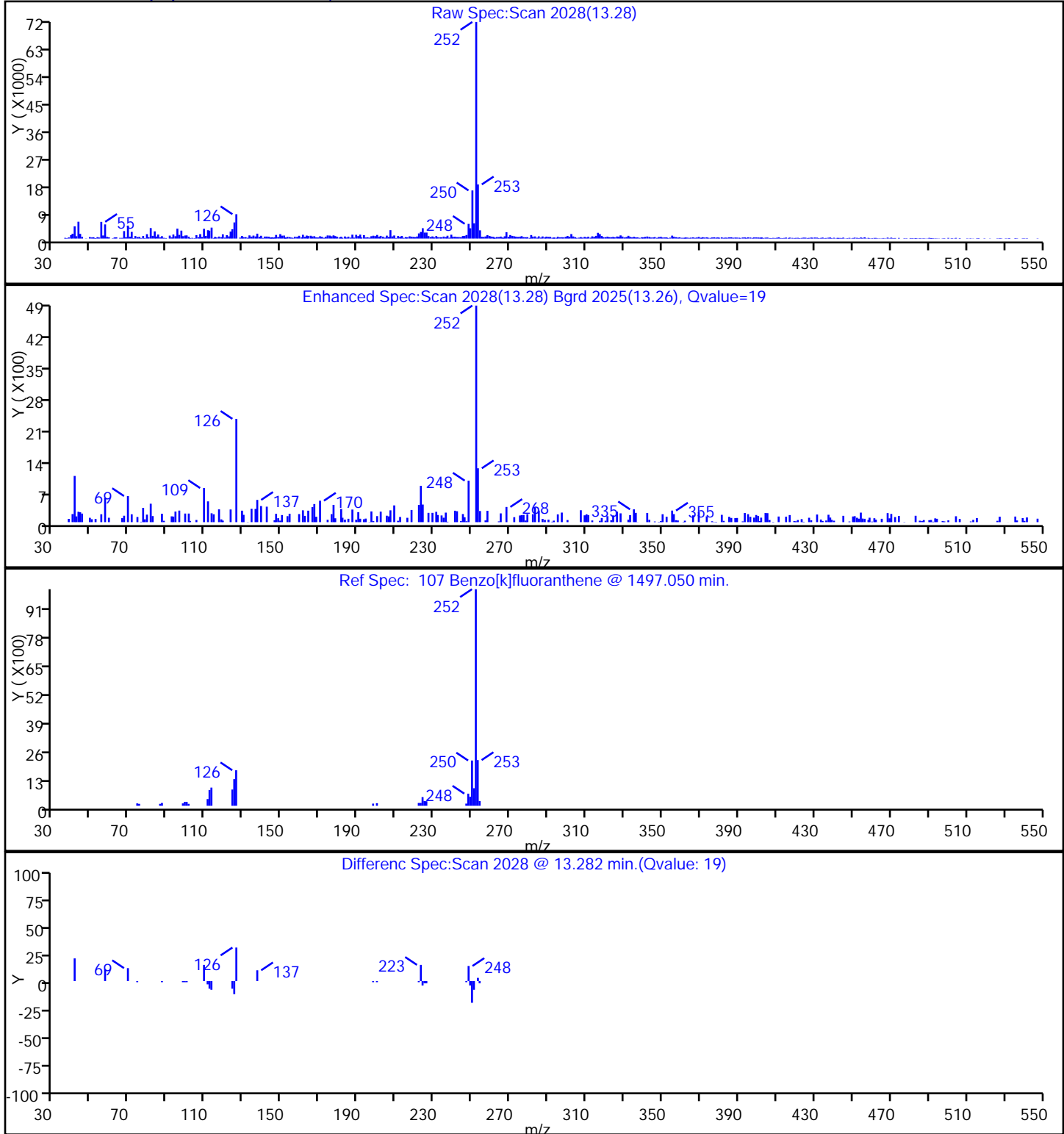
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

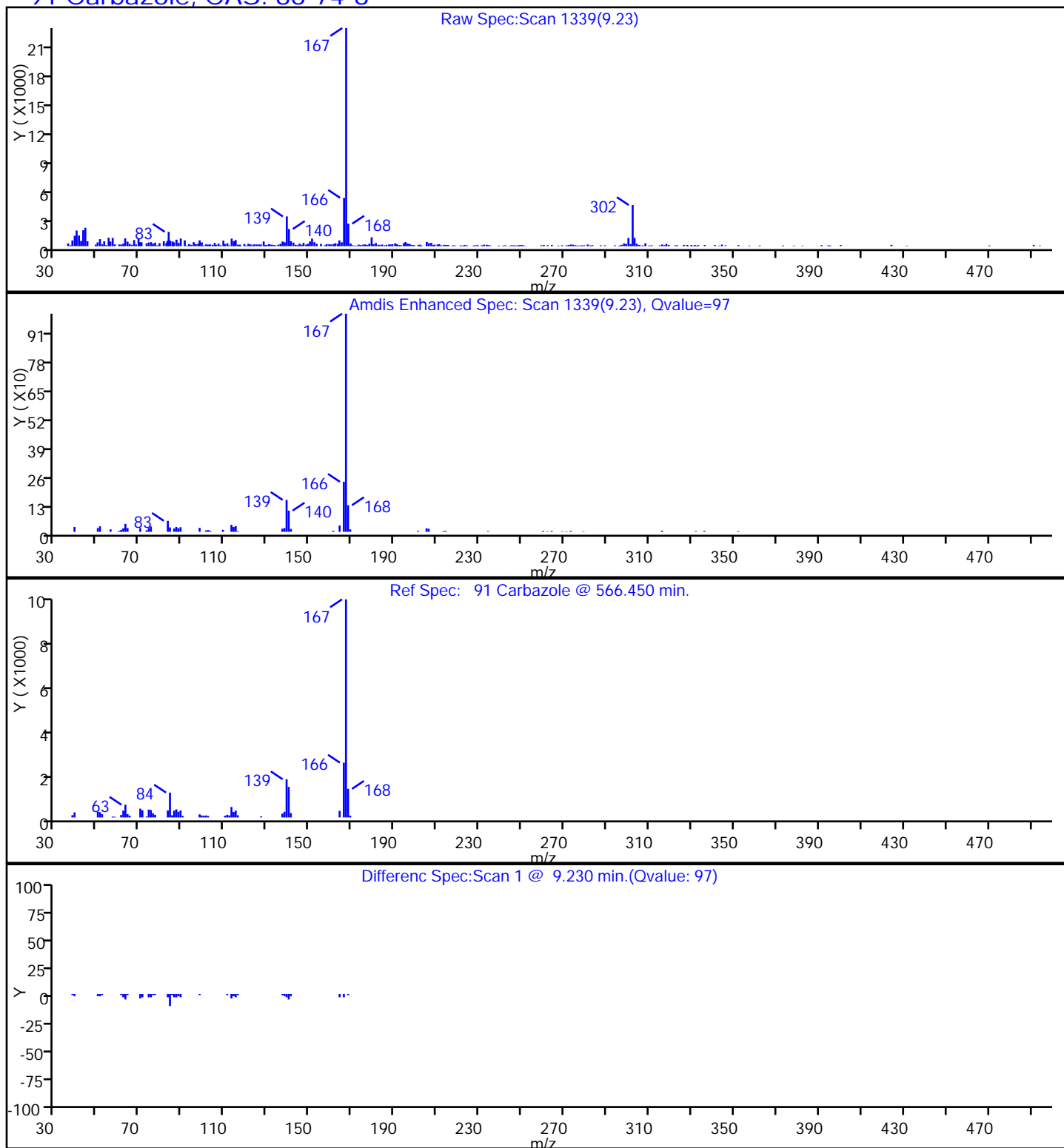
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

91 Carbazole, CAS: 86-74-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

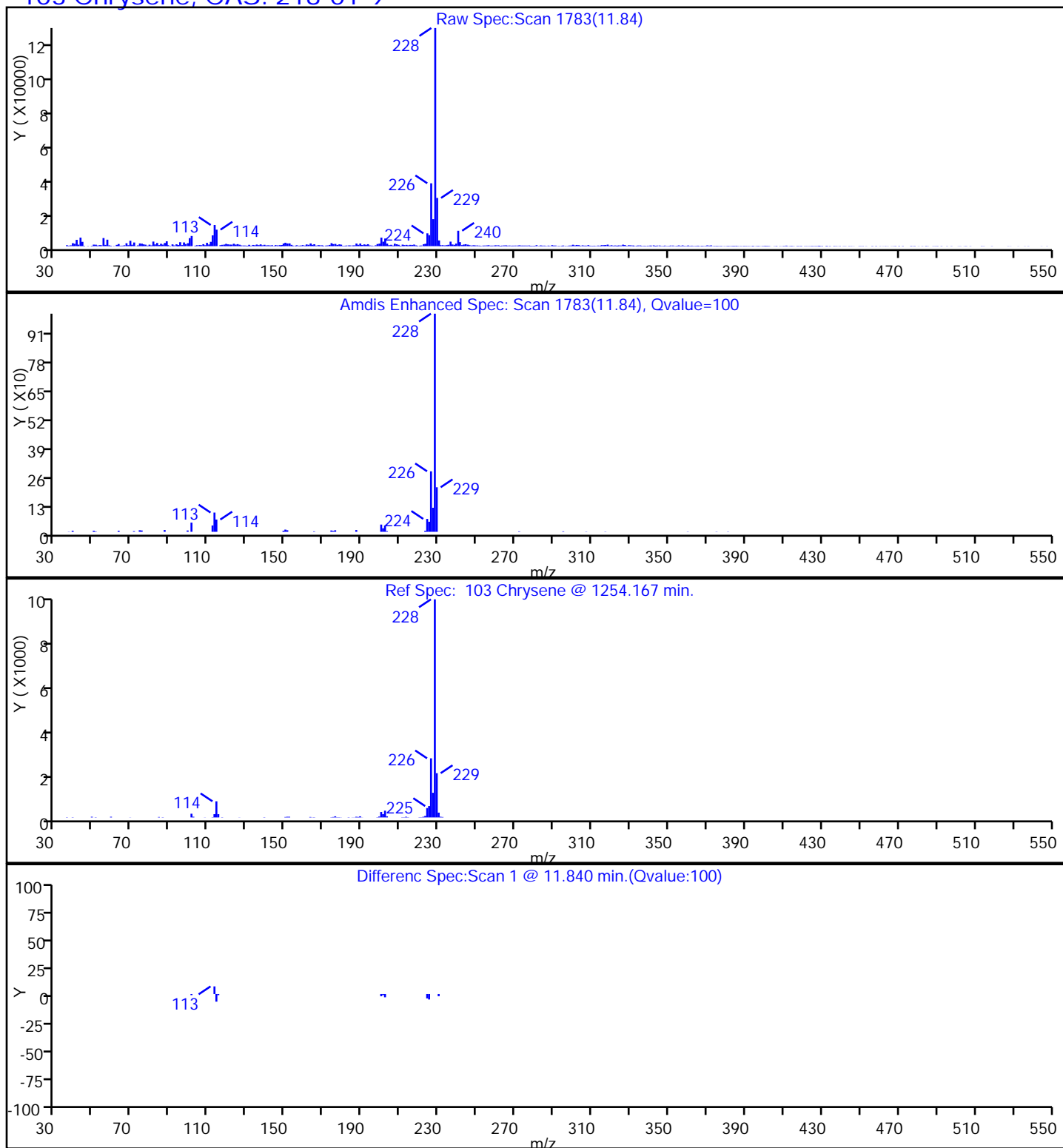
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

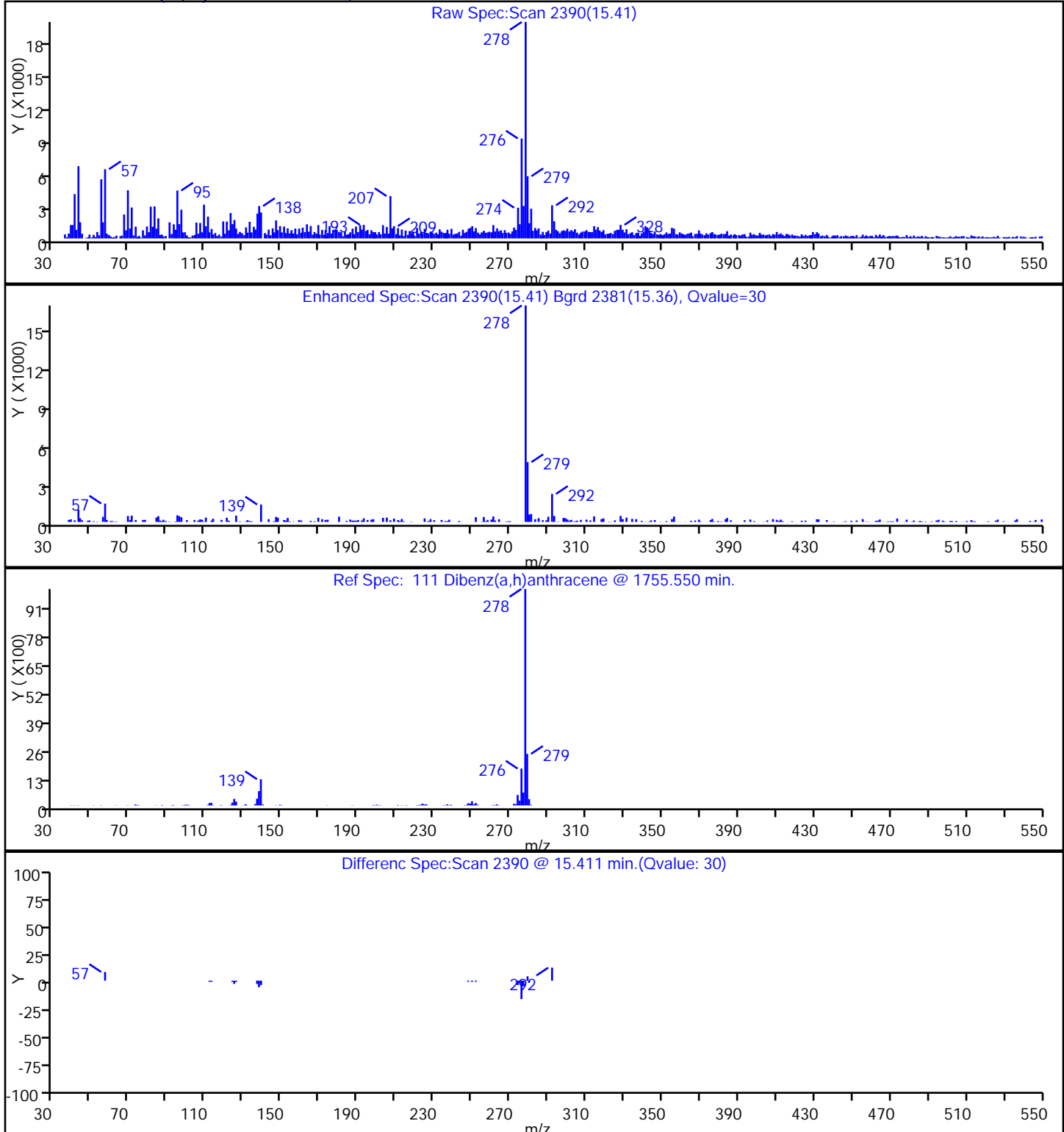
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

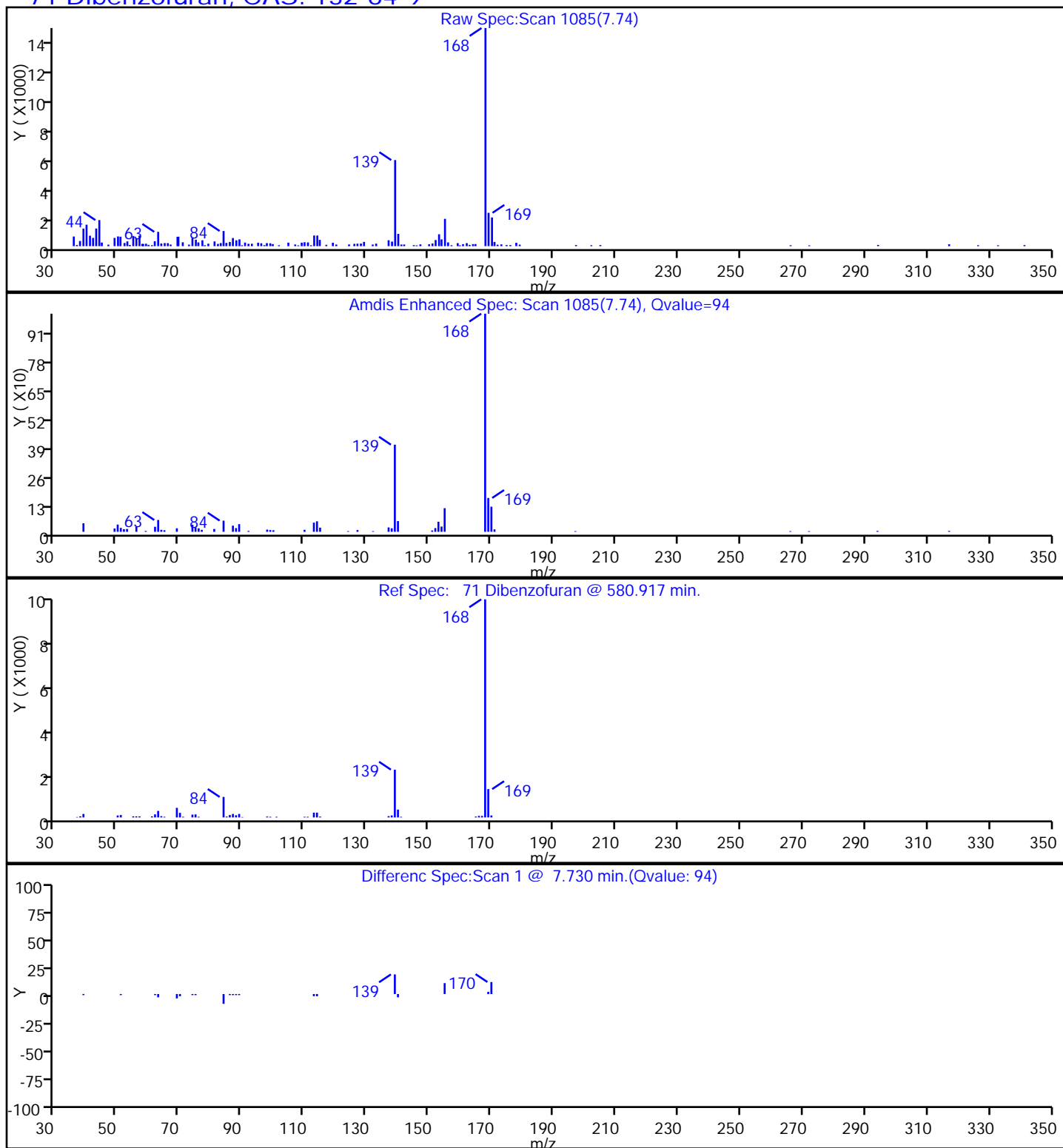
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

71 Dibenzofuran, CAS: 132-64-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

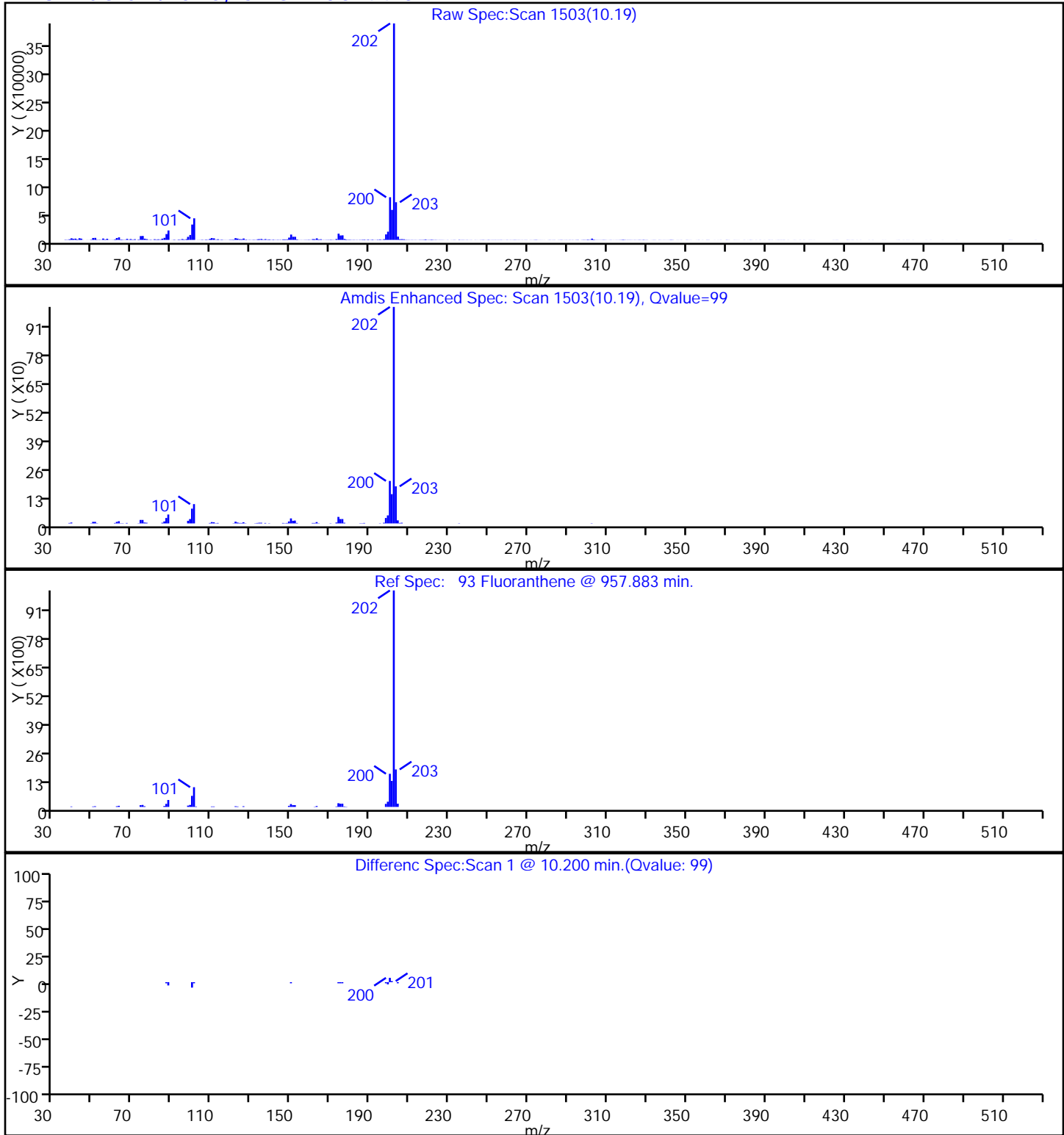
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

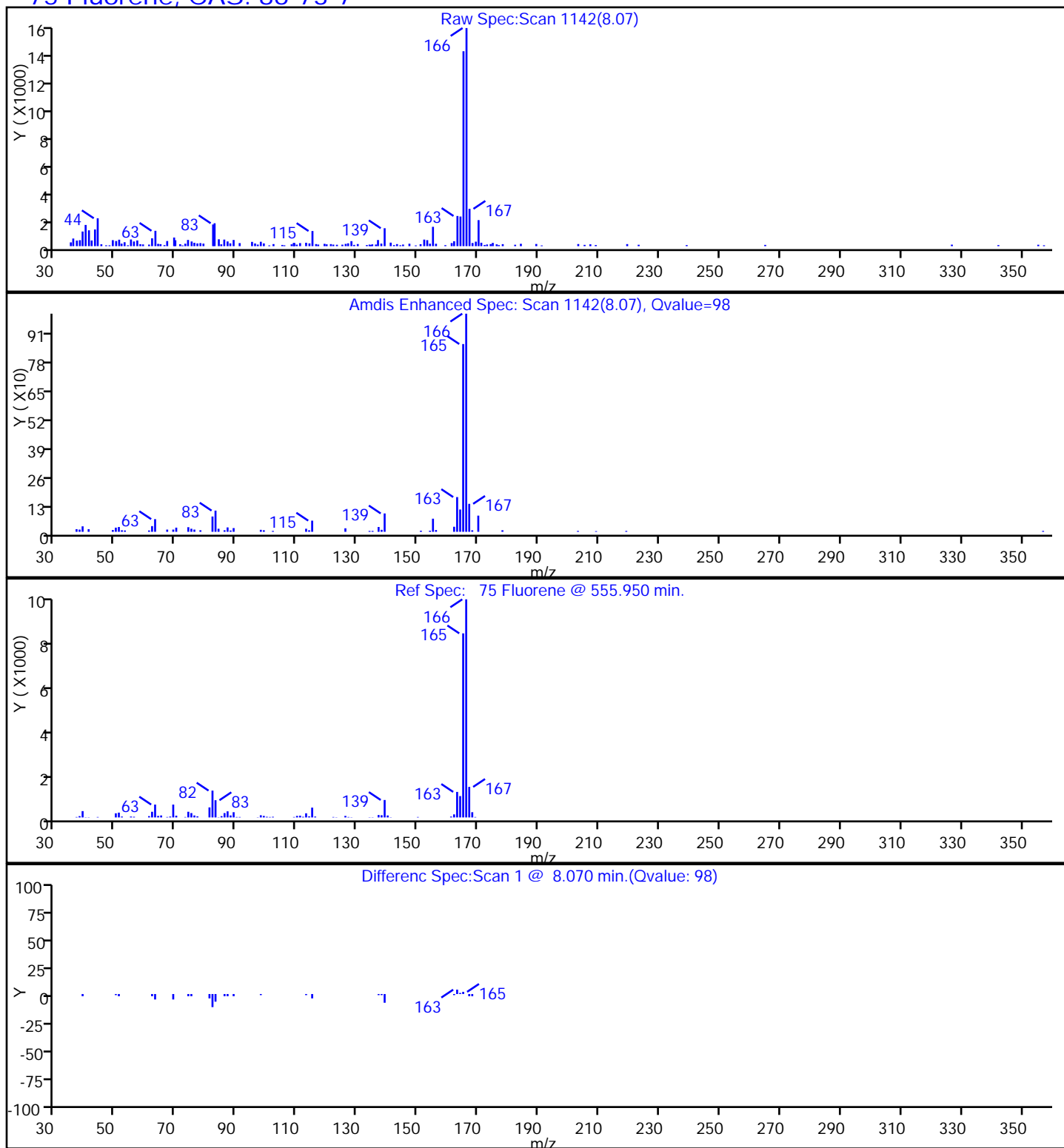
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

75 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

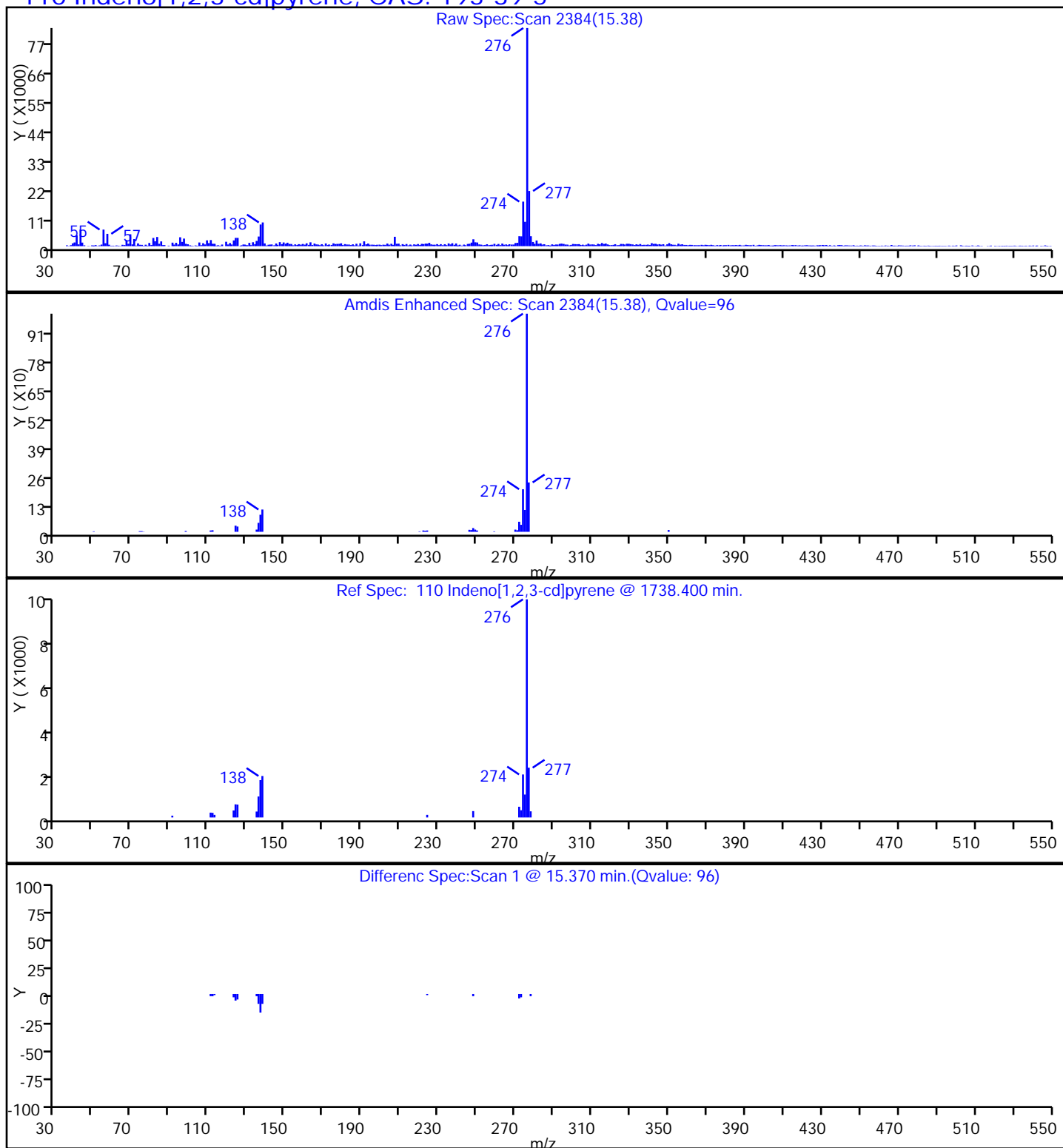
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul

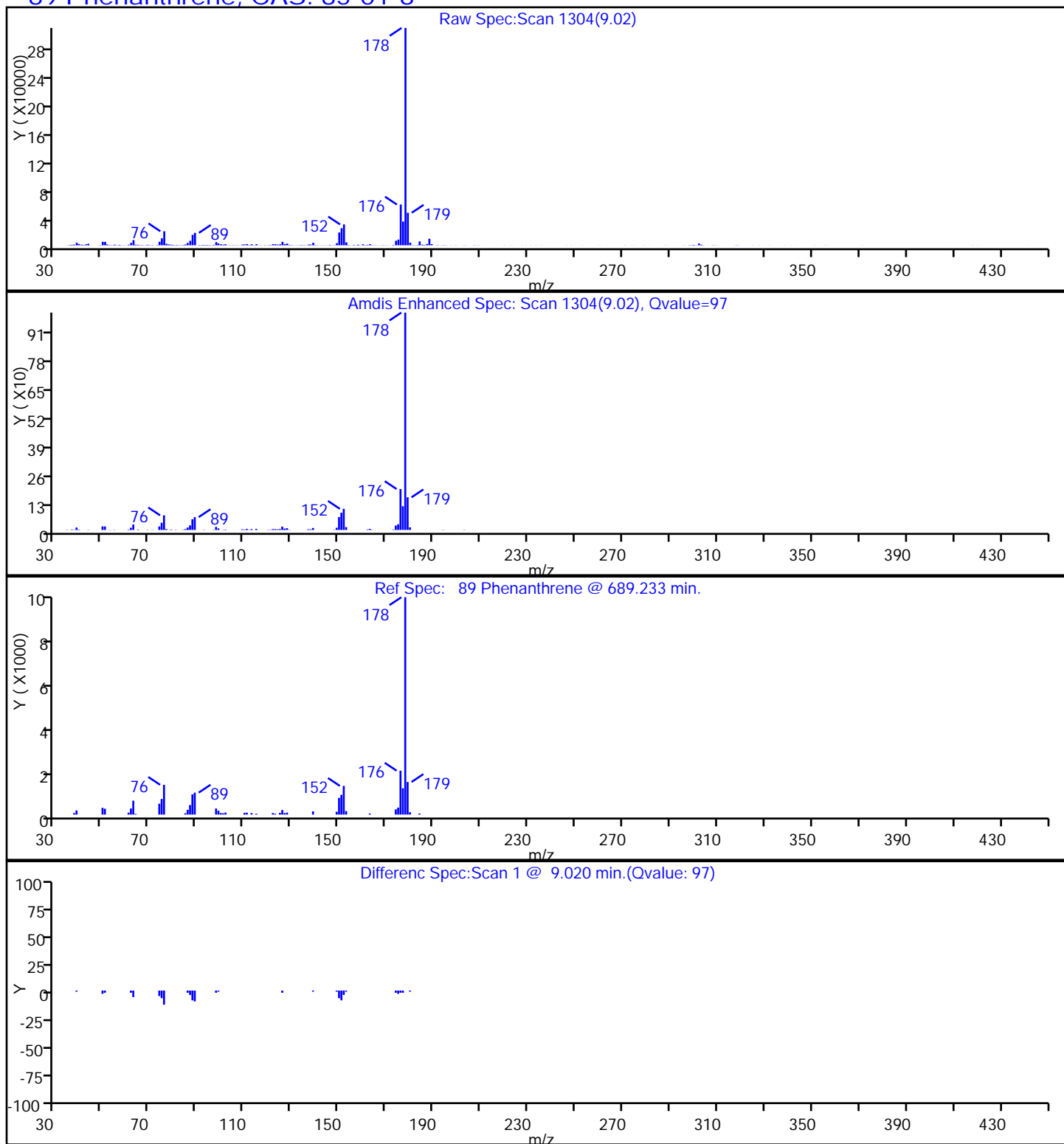
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12734.D

Injection Date: 12-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-1-A

Lab Sample ID: 460-111496-1

Client ID: B3

Operator ID:

ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

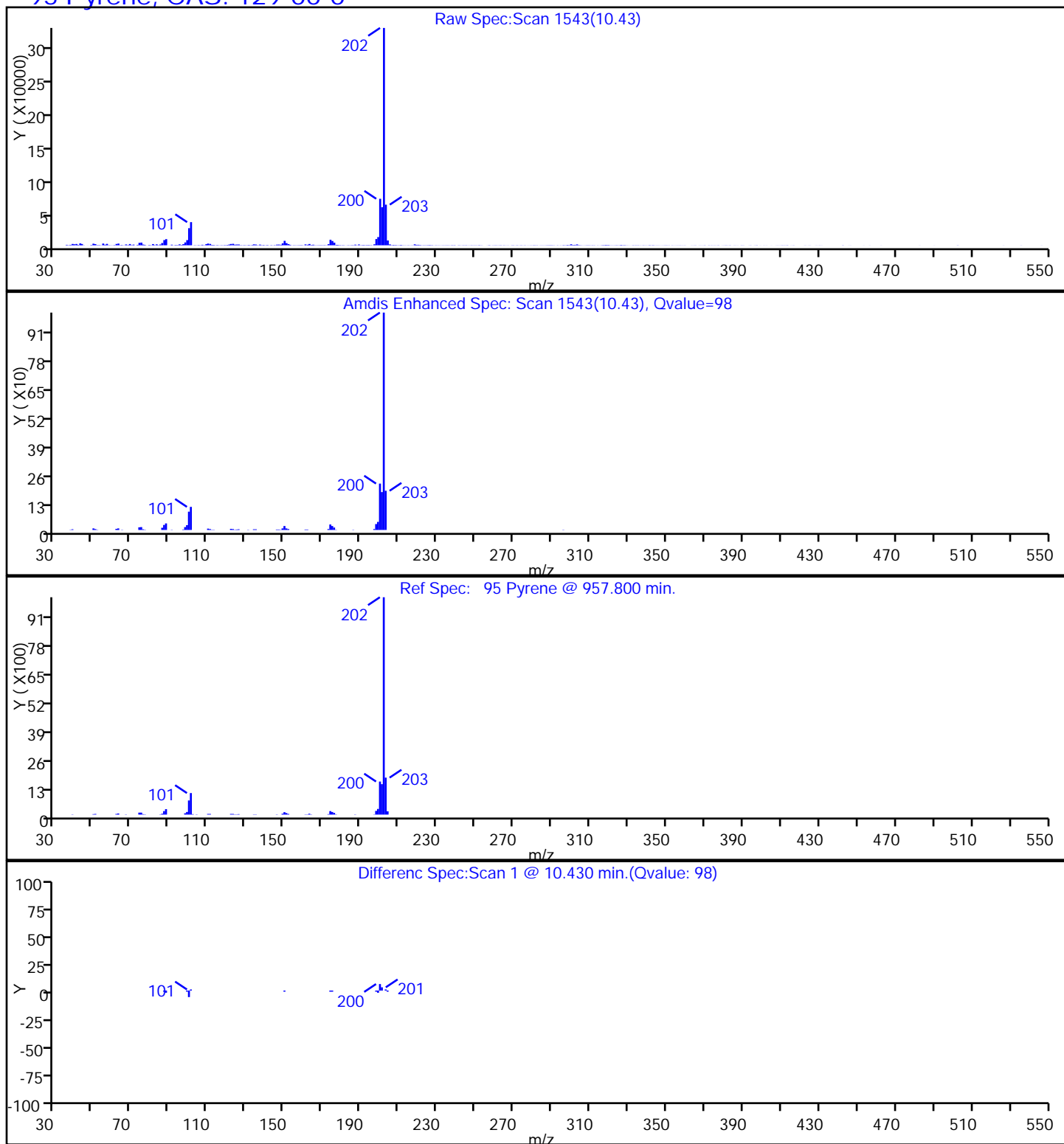
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D2</u>	Lab Sample ID: <u>460-111496-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12738.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 13:25</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0374(g)</u>	Date Analyzed: <u>04/12/2016 13:15</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	730	U	730	63
95-94-3	1,2,4,5-Tetrachlorobenzene	730	U	730	55
108-60-1	2,2'-oxybis[1-chloropropane]	730	U	730	30
58-90-2	2,3,4,6-Tetrachlorophenol	730	U	730	69
95-95-4	2,4,5-Trichlorophenol	730	U	730	73
88-06-2	2,4,6-Trichlorophenol	300	U	300	21
120-83-2	2,4-Dichlorophenol	300	U	300	17
105-67-9	2,4-Dimethylphenol	730	U	730	160
51-28-5	2,4-Dinitrophenol	590	U	590	550
121-14-2	2,4-Dinitrotoluene	150	U	150	29
606-20-2	2,6-Dinitrotoluene	150	U	150	39
91-58-7	2-Chloronaphthalene	730	U	730	17
95-57-8	2-Chlorophenol	730	U	730	19
91-57-6	2-Methylnaphthalene	32	J	730	16
95-48-7	2-Methylphenol	730	U	730	32
88-74-4	2-Nitroaniline	730	U	730	24
88-75-5	2-Nitrophenol	730	U	730	25
91-94-1	3,3'-Dichlorobenzidine	300	U	300	82
99-09-2	3-Nitroaniline	730	U	730	22
534-52-1	4,6-Dinitro-2-methylphenol	590	U	590	200
101-55-3	4-Bromophenyl phenyl ether	730	U	730	23
59-50-7	4-Chloro-3-methylphenol	730	U	730	32
106-47-8	4-Chloroaniline	730	U	730	19
7005-72-3	4-Chlorophenyl phenyl ether	730	U	730	22
106-44-5	4-Methylphenol	730	U	730	20
100-01-6	4-Nitroaniline	730	U	730	28
100-02-7	4-Nitrophenol	1500	U	1500	350
83-32-9	Acenaphthene	120	J	730	18
208-96-8	Acenaphthylene	240	J	730	19
98-86-2	Acetophenone	730	U	730	16
120-12-7	Anthracene	720	J	730	70
1912-24-9	Atrazine	300	U	300	33
100-52-7	Benzaldehyde	730	U	730	56
56-55-3	Benzo[a]anthracene	2600		73	61

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D2</u>	Lab Sample ID: <u>460-111496-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12738.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 13:25</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0374(g)</u>	Date Analyzed: <u>04/12/2016 13:15</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	2600		73	22
205-99-2	Benzo[b]fluoranthene	3900		73	29
191-24-2	Benzo[g,h,i]perylene	1900		730	42
207-08-9	Benzo[k]fluoranthene	1600		73	32
111-91-1	Bis(2-chloroethoxy)methane	730	U	730	23
111-44-4	Bis(2-chloroethyl)ether	73	U	73	17
117-81-7	Bis(2-ethylhexyl) phthalate	360	J	730	29
85-68-7	Butyl benzyl phthalate	410	J	730	23
105-60-2	Caprolactam	730	U	730	53
86-74-8	Carbazole	170	J	730	18
218-01-9	Chrysene	2800		730	20
53-70-3	Dibenz(a,h)anthracene	560		73	38
132-64-9	Dibenzofuran	58	J	730	22
84-66-2	Diethyl phthalate	730	U	730	21
131-11-3	Dimethyl phthalate	730	U	730	21
84-74-2	Di-n-butyl phthalate	2000		730	22
117-84-0	Di-n-octyl phthalate	730	U	730	37
206-44-0	Fluoranthene	4200		730	22
86-73-7	Fluorene	130	J	730	16
118-74-1	Hexachlorobenzene	73	U	73	30
87-68-3	Hexachlorobutadiene	150	U	150	21
77-47-4	Hexachlorocyclopentadiene	730	U	730	46
67-72-1	Hexachloroethane	73	U	73	27
193-39-5	Indeno[1,2,3-cd]pyrene	2600		73	49
78-59-1	Isophorone	300	U	300	16
91-20-3	Naphthalene	47	J	730	19
98-95-3	Nitrobenzene	73	U	73	23
621-64-7	N-Nitrosodi-n-propylamine	73	U	73	25
86-30-6	N-Nitrosodiphenylamine	730	U	730	67
87-86-5	Pentachlorophenol	590	U	590	89
85-01-8	Phenanthrene	1700		730	20
108-95-2	Phenol	730	U	730	24
129-00-0	Pyrene	3100		730	33

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D2</u>	Lab Sample ID: <u>460-111496-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12738.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 13:25</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0374(g)</u>	Date Analyzed: <u>04/12/2016 13:15</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	52		10-95
321-60-8	2-Fluorobiphenyl	80		27-84
367-12-4	2-Fluorophenol (Surr)	67		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	74		28-92
4165-62-2	Phenol-d5 (Surr)	67		22-88
1718-51-0	Terphenyl-d14 (Surr)	65		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D
 Lims ID: 460-111496-A-2-A Lab Sample ID: 460-111496-2
 Client ID: D2
 Sample Type: Client
 Inject. Date: 12-Apr-2016 13:15:30 ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0039742-024
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 14:18:41 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 12-Apr-2016 14:18:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.236	3.218	0.018	94	705147	16.8	
\$ 6 Phenol-d5	99	4.118	4.142	-0.024	87	808883	16.9	
* 14 1,4-Dichlorobenzene-d4	152	4.500	4.506	-0.006	97	1158591	40.0	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	92	721763	18.4	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	3734676	40.0	
39 Naphthalene	128	5.800	5.812	-0.012	99	30965	0.3143	
44 2-Methylnaphthalene	142	6.494	6.506	-0.012	86	14795	0.2173	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	1466804	20.0	
61 Acenaphthylene	152	7.394	7.400	-0.006	97	121243	1.60	
* 65 Acenaphthene-d10	164	7.536	7.535	0.001	91	1732010	40.0	
67 Acenaphthene	154	7.565	7.577	-0.012	94	39799	0.7917	
71 Dibenzofuran	168	7.736	7.747	-0.011	94	28288	0.3935	
75 Fluorene	166	8.077	8.083	-0.006	97	46276	0.8939	
\$ 80 2,4,6-Tribromophenol	330	8.312	8.324	-0.012	90	184679	12.9	
* 88 Phenanthrene-d10	188	9.000	9.000	0.000	98	2078090	40.0	
89 Phenanthrene	178	9.024	9.030	-0.006	96	655515	11.3	
90 Anthracene	178	9.071	9.083	-0.012	99	286431	4.88	
91 Carbazole	167	9.230	9.235	-0.005	96	49689	1.15	
92 Di-n-butyl phthalate	149	9.571	9.571	0.000	100	681526	13.6	
93 Fluoranthene	202	10.200	10.200	0.000	99	1443655	28.7	
95 Pyrene	202	10.430	10.429	0.001	99	1286092	21.0	
\$ 96 Terphenyl-d14	244	10.588	10.588	0.000	98	793605	16.1	
97 Butyl benzyl phthalate	149	11.124	11.124	0.000	97	51795	2.79	
101 Benzo[a]anthracene	228	11.800	11.800	0.000	96	822074	17.9	
* 102 Chrysene-d12	240	11.818	11.812	0.006	98	1585881	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.835	11.835	0.000	88	58926	2.43	
103 Chrysene	228	11.847	11.853	-0.006	100	785399	19.0	
106 Benzo[b]fluoranthene	252	13.259	13.247	0.012	97	1546757	26.3	
107 Benzo[k]fluoranthene	252	13.288	13.288	0.000	1	671998	10.6	
108 Benzo[a]pyrene	252	13.712	13.706	0.006	98	947042	17.9	
* 109 Perylene-d12	264	13.794	13.782	0.012	98	2237699	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.394	15.382	0.012	96	794334	17.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
111 Dibenz(a,h)anthracene	278	15.417	15.417	0.000	94	187424	3.78	
112 Benzo[g,h,i]perylene	276	15.841	15.835	0.006	95	712869	12.8	

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160412-39742.b\\x12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Worklist Smp#: 24

Client ID: D2

Injection Vol: 1.0 ul

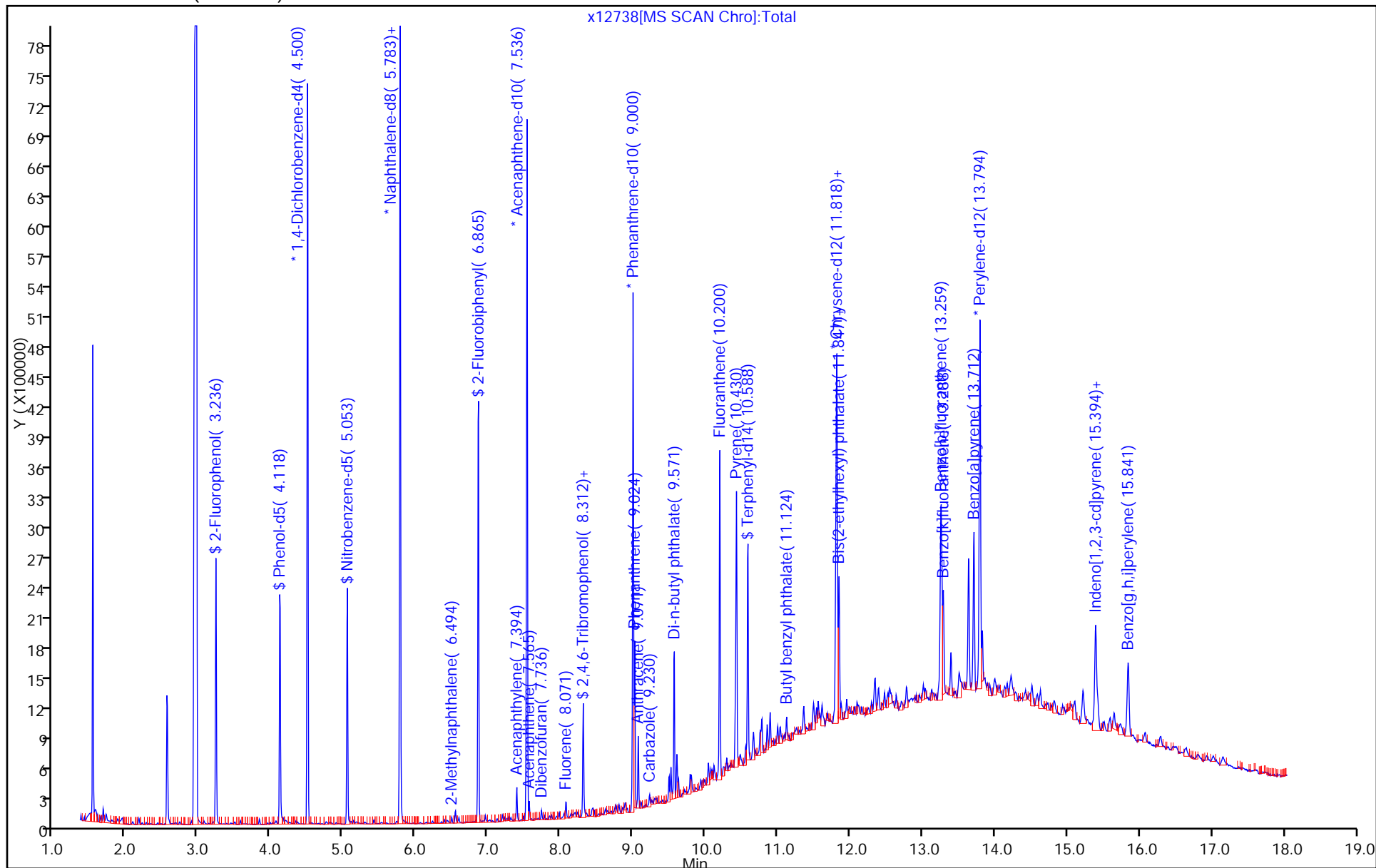
Dil. Factor: 2.0000

ALS Bottle#: 24

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24 Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

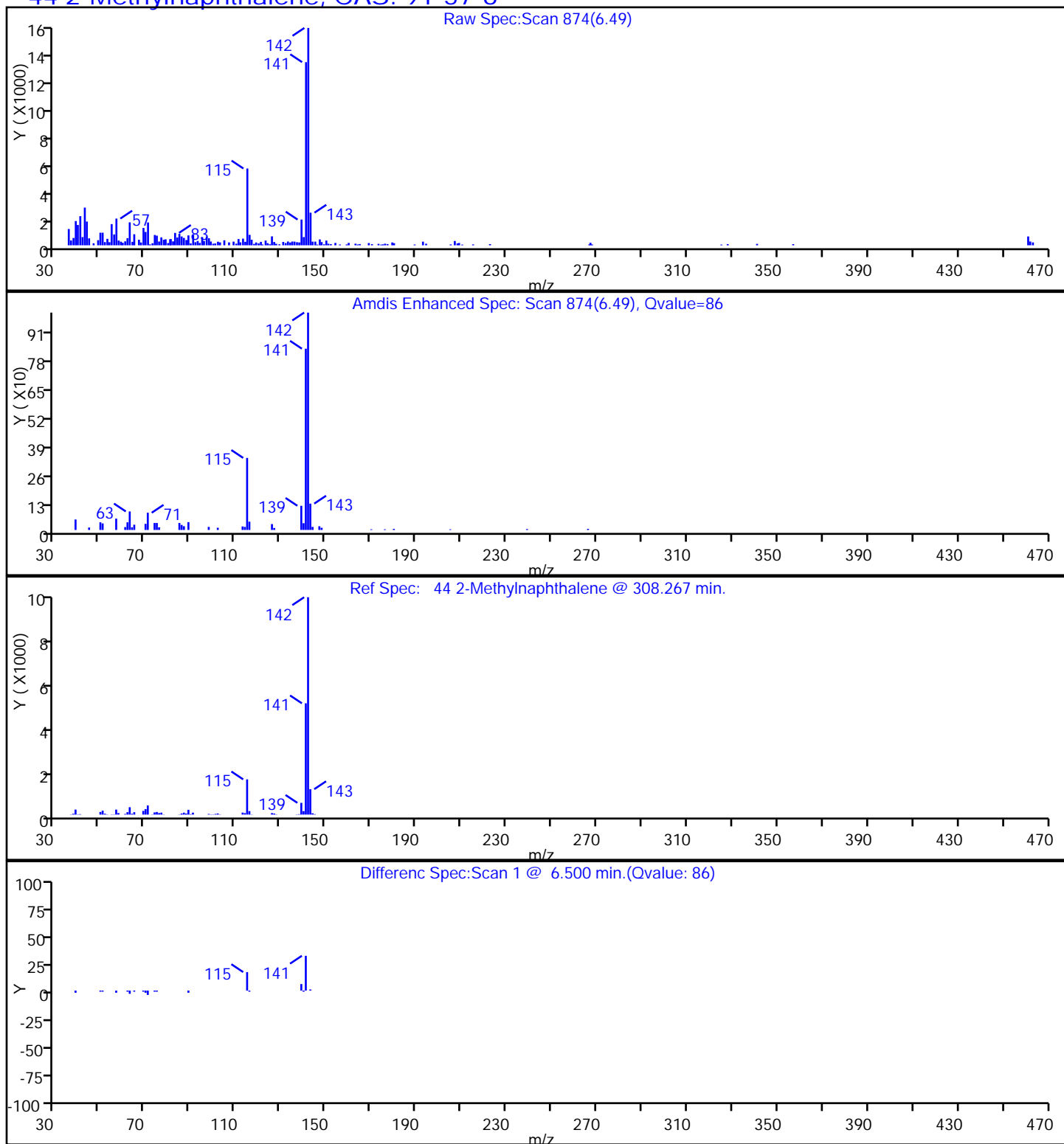
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24 Worklist Smp#: 24

Injection Vol: 1.0 ul

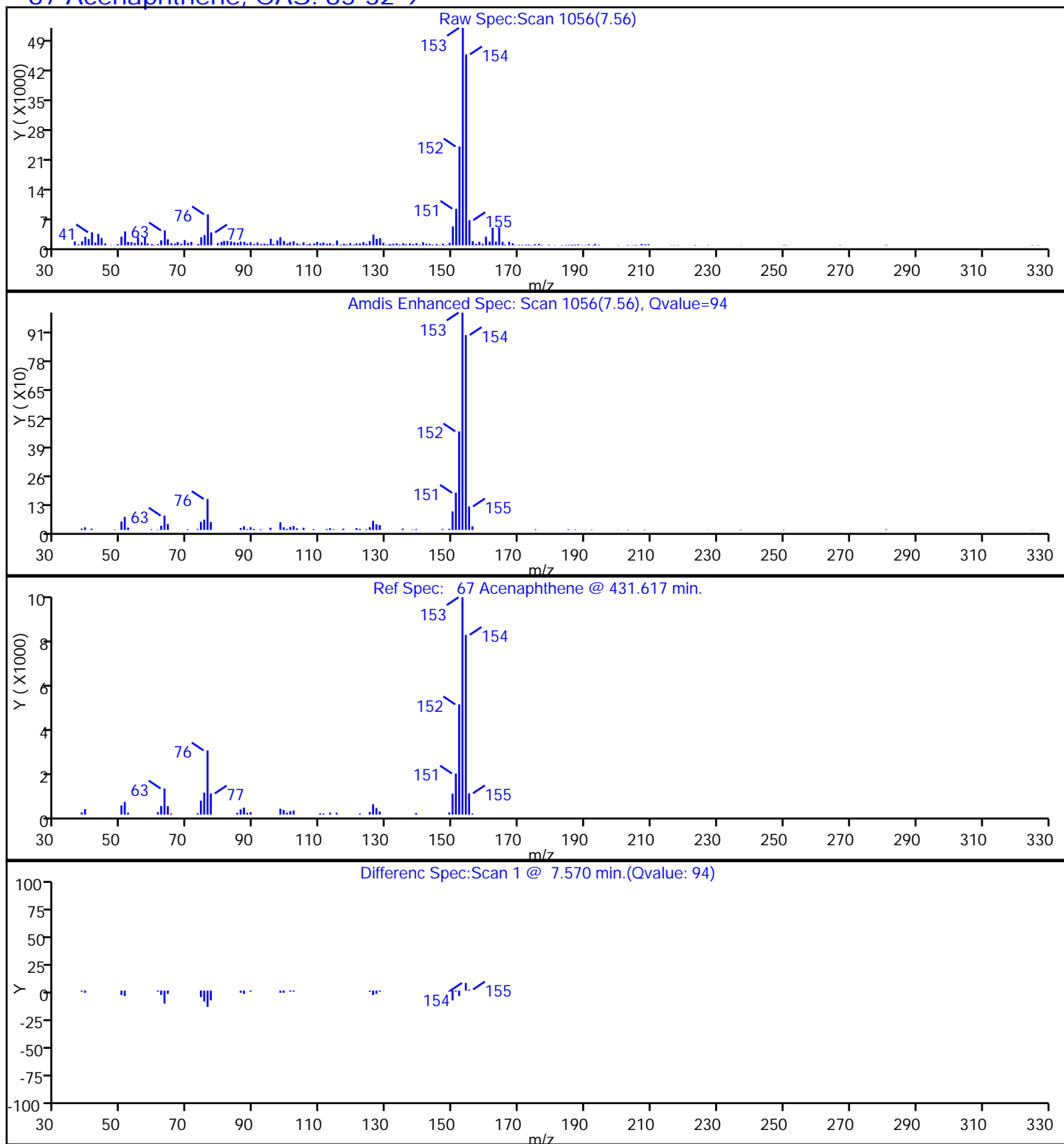
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

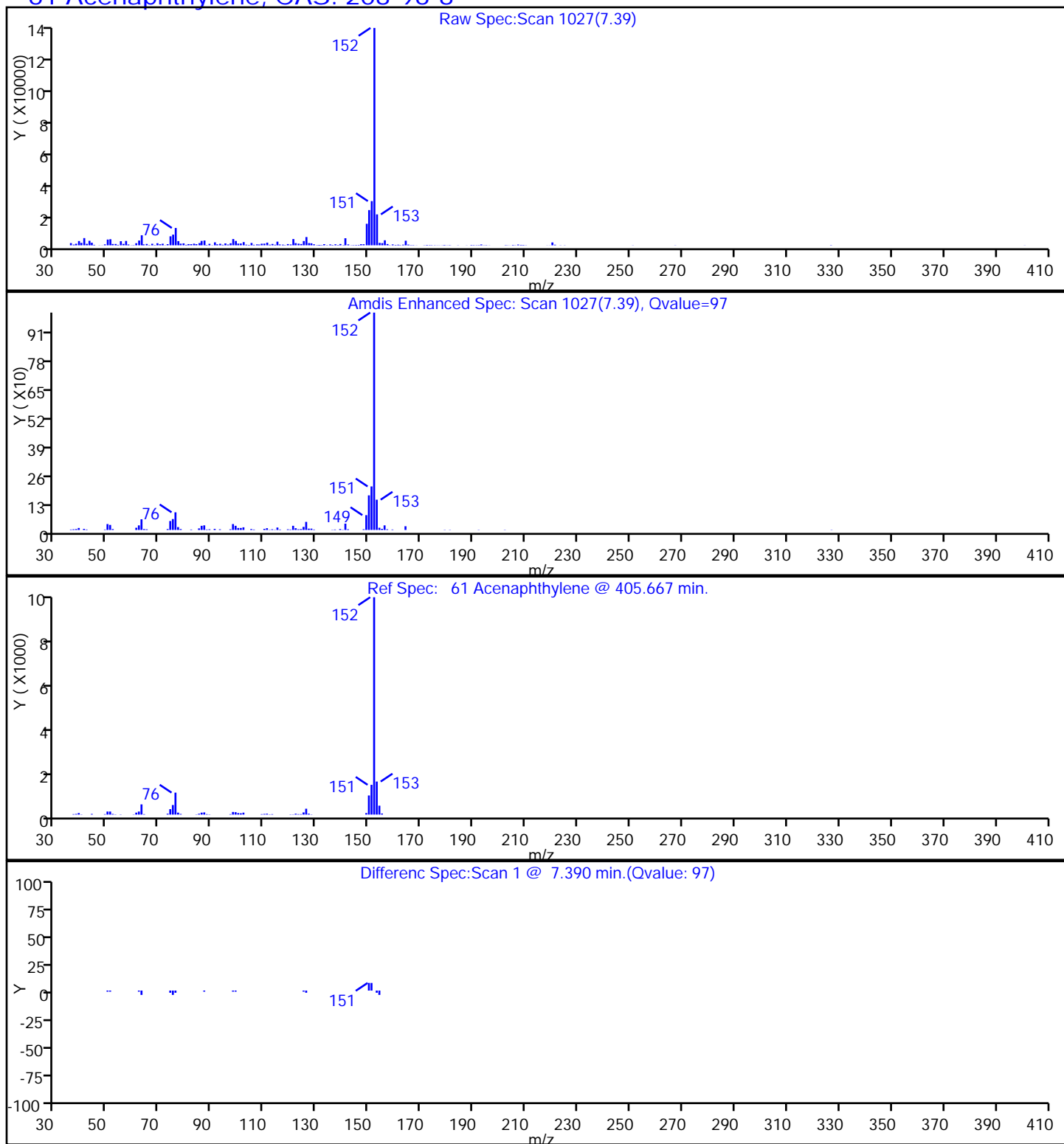
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

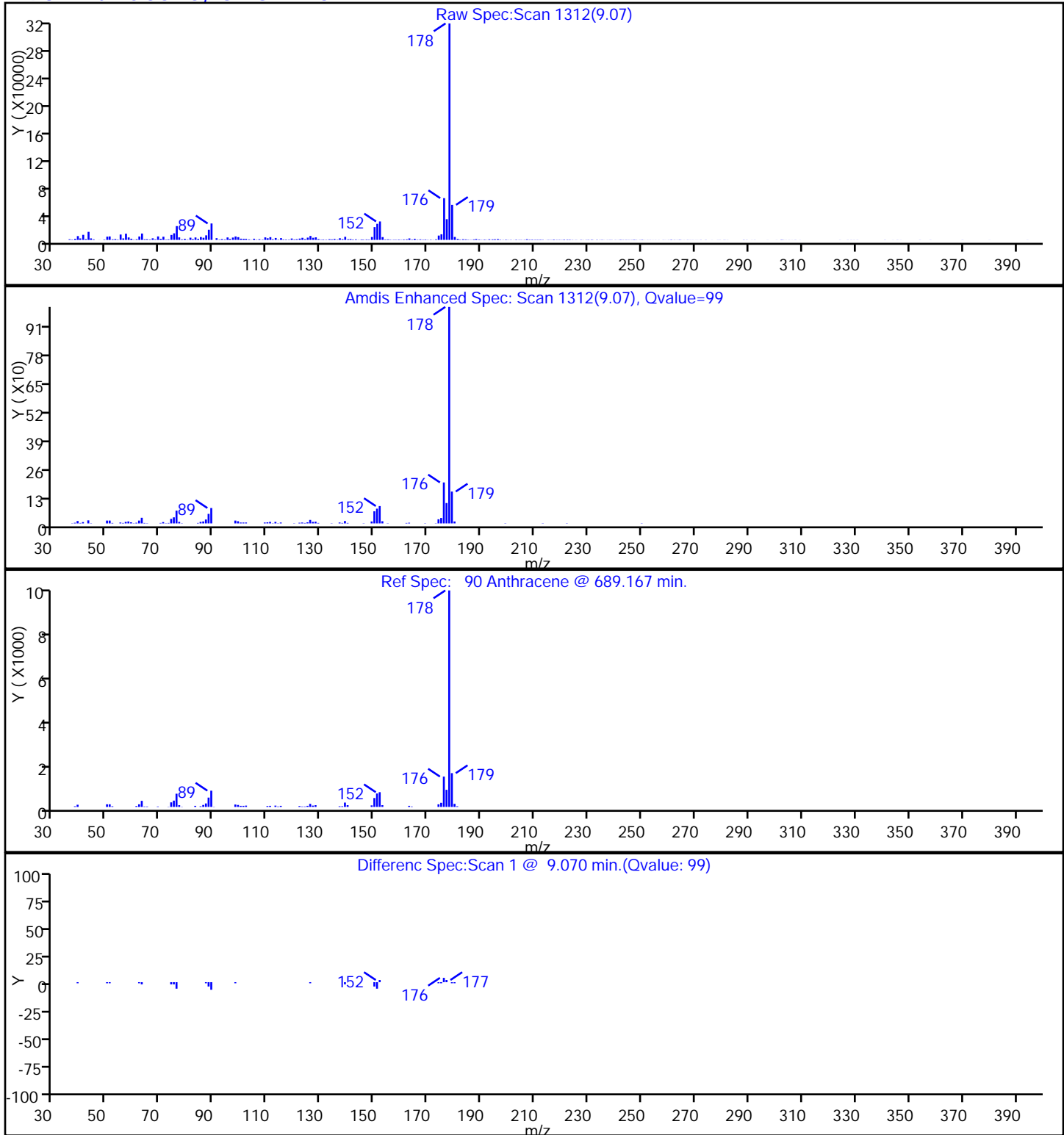
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

90 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

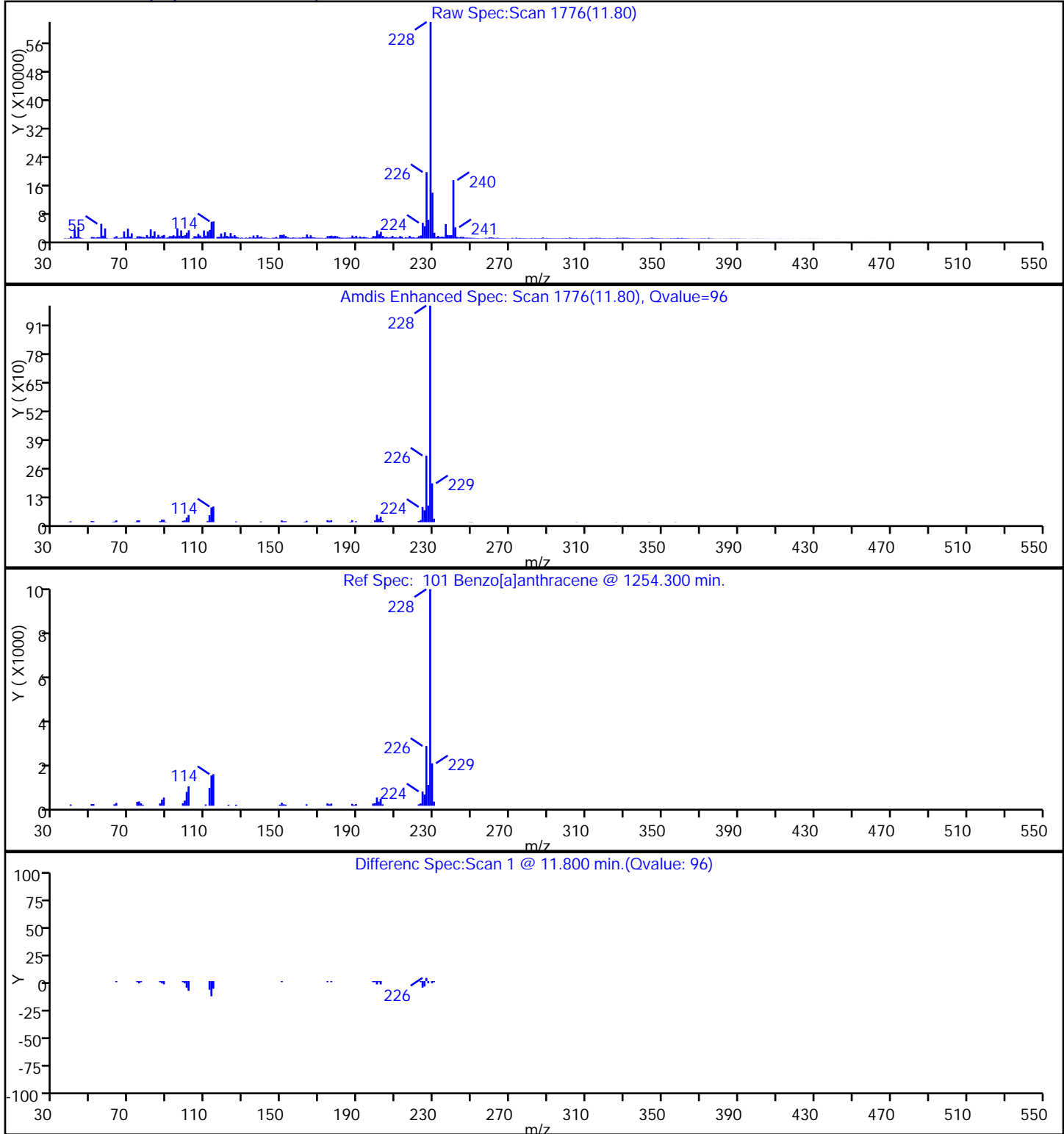
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

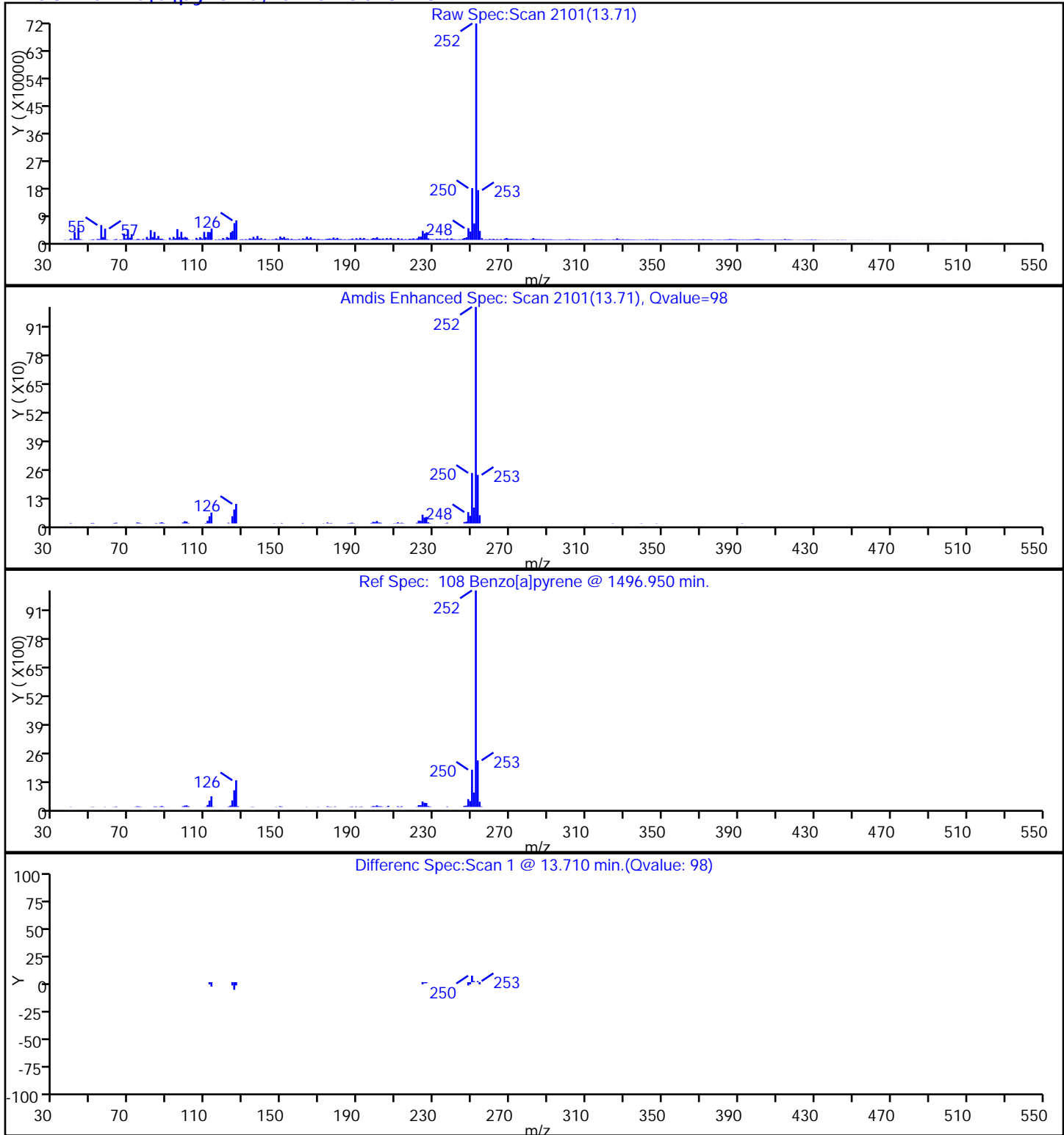
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

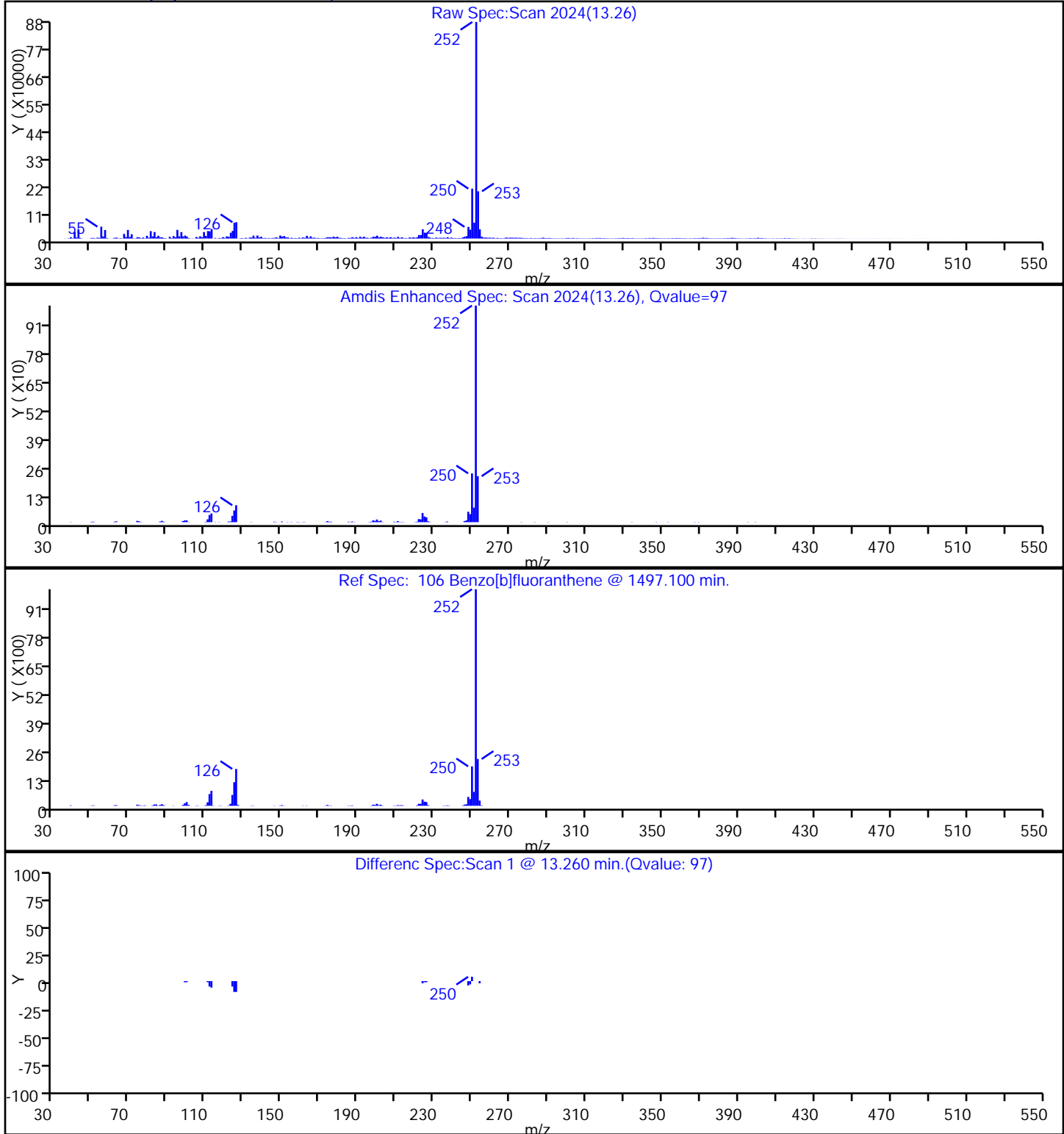
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

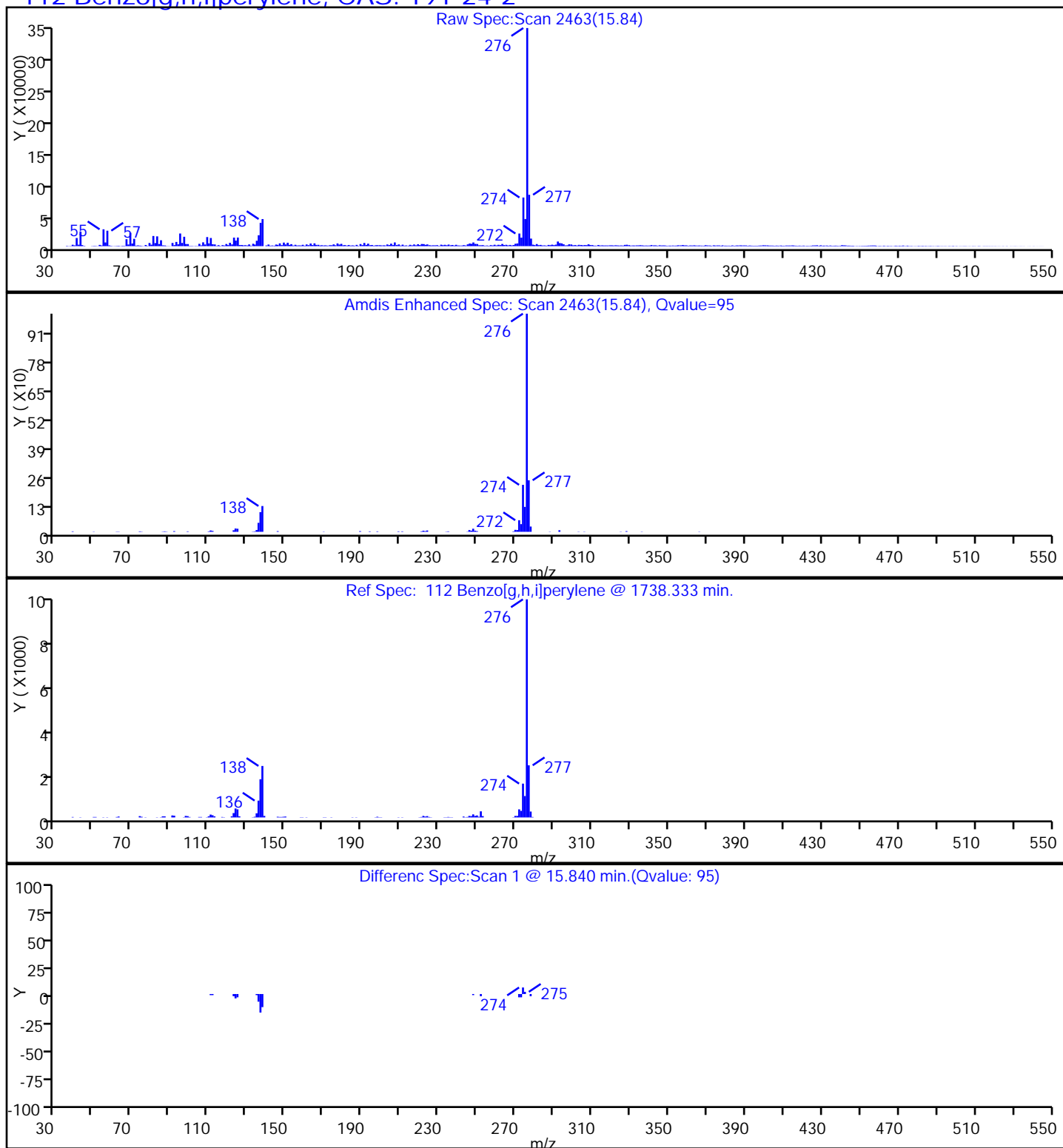
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

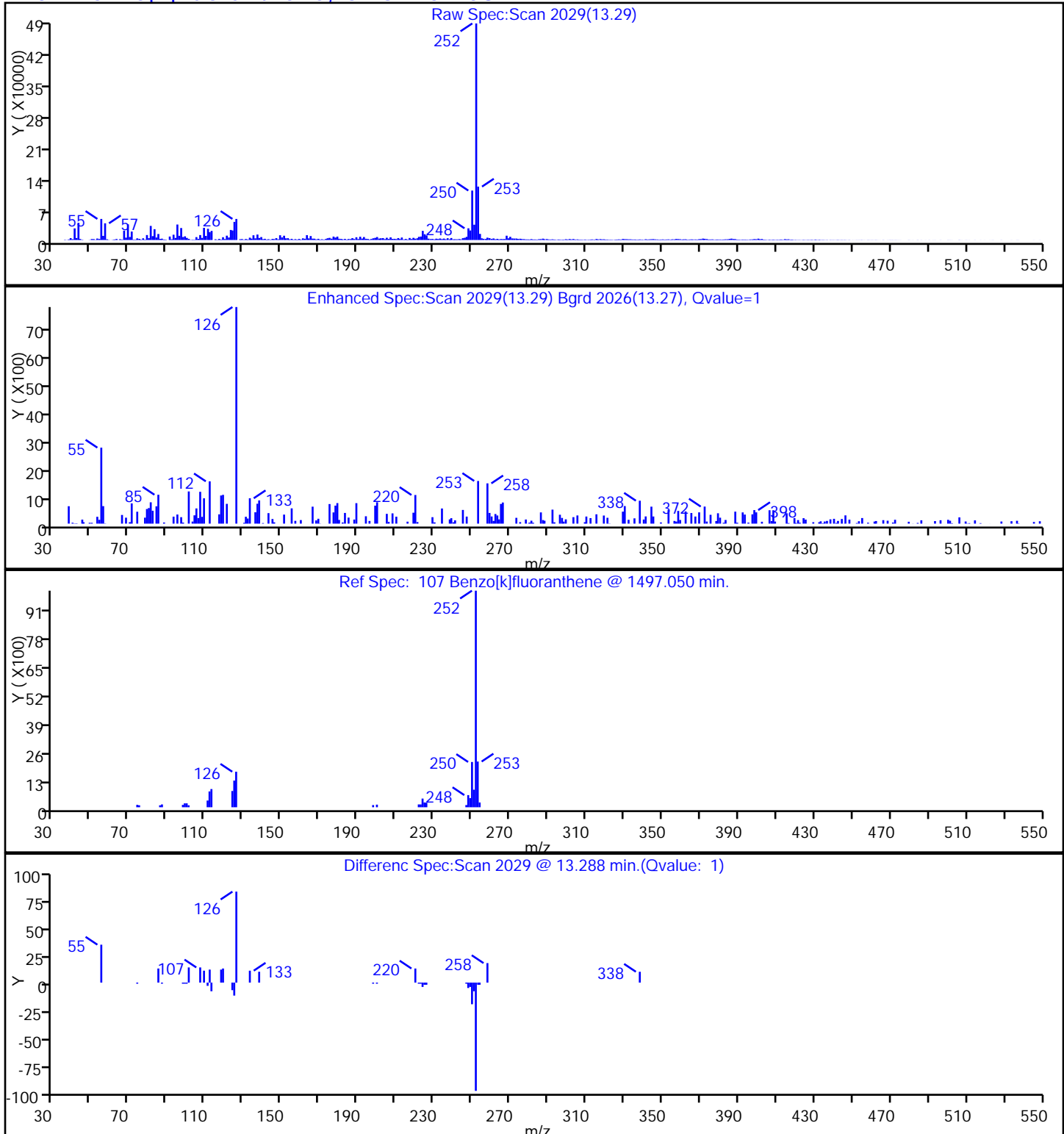
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

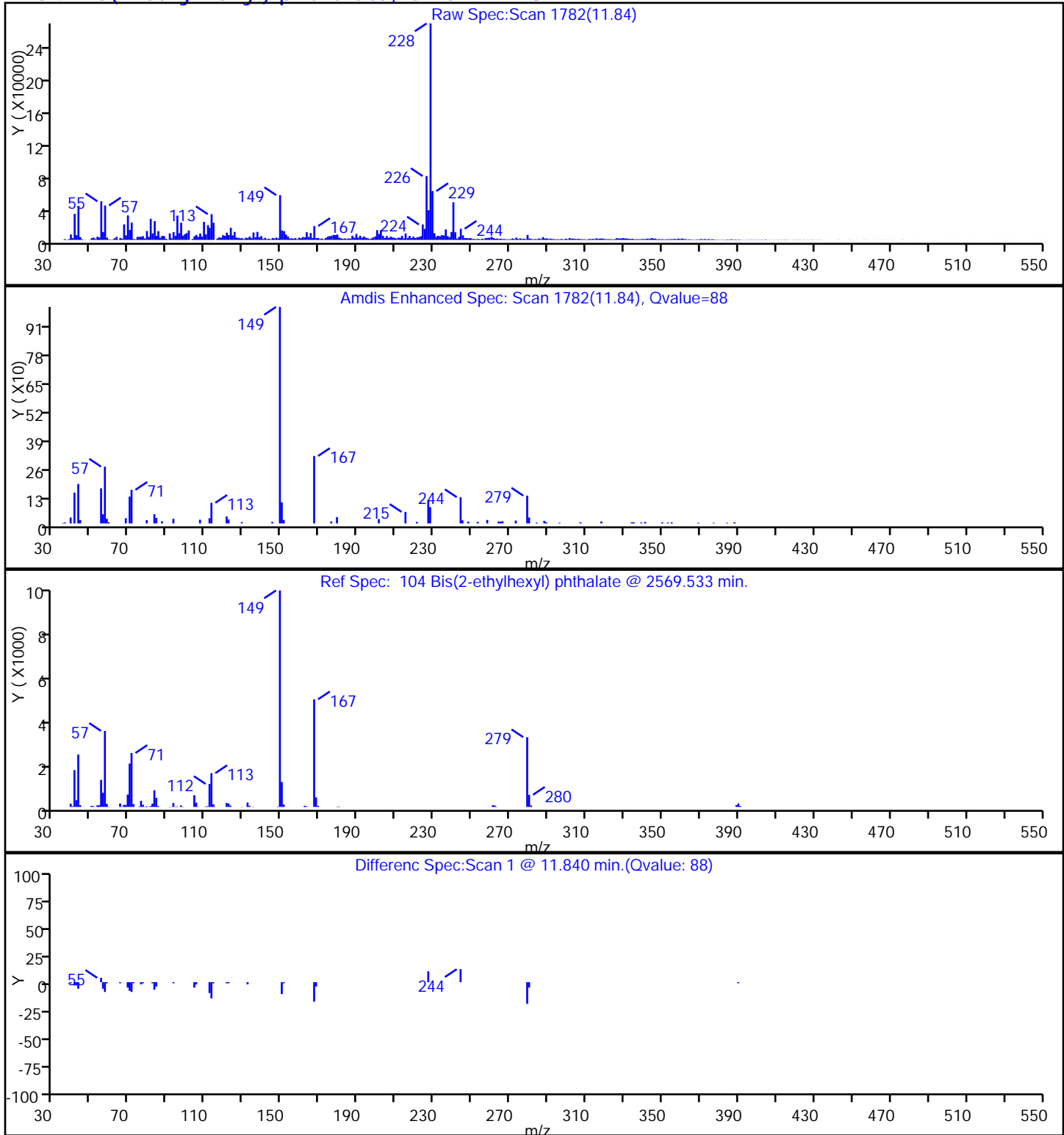
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

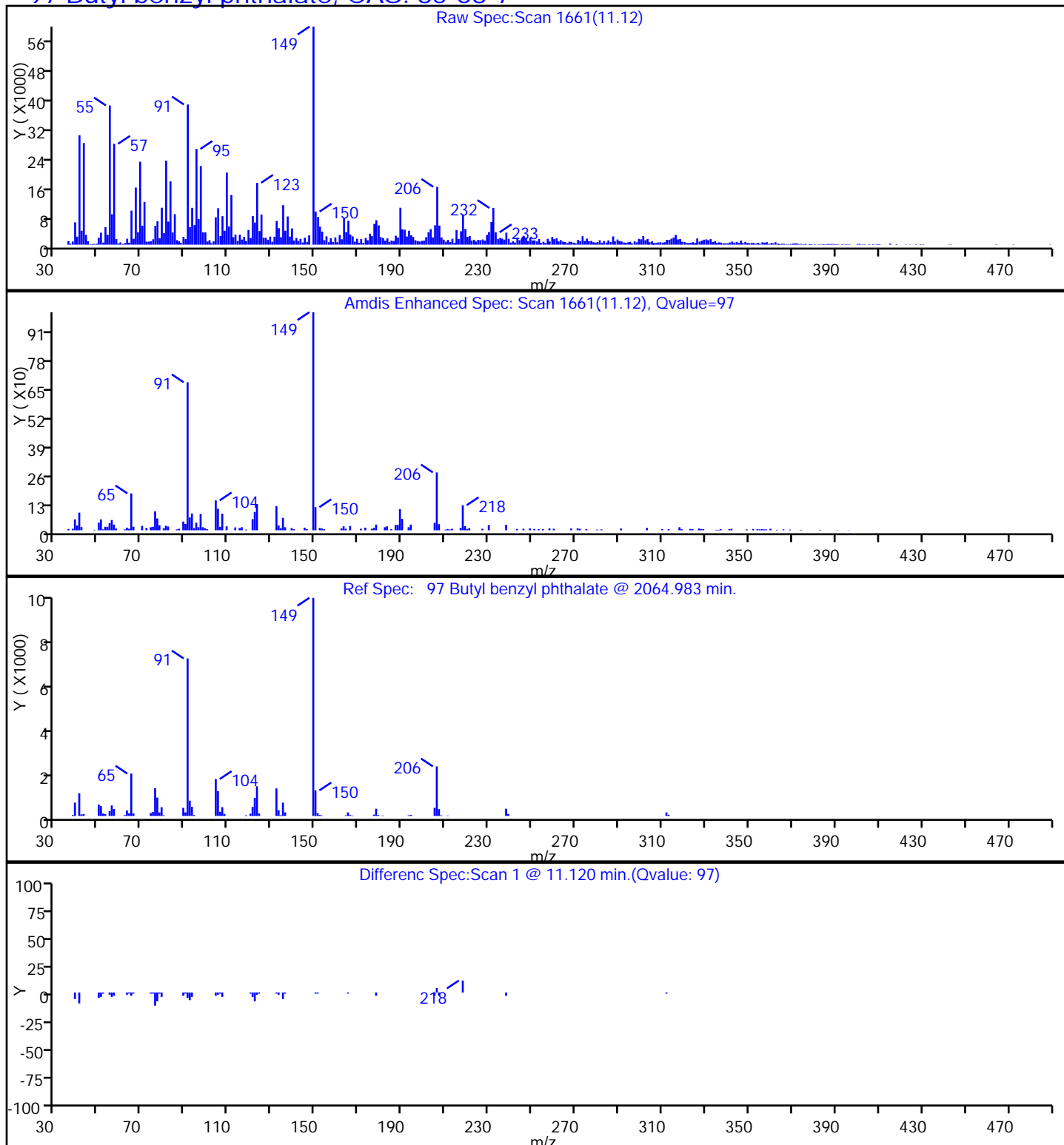
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

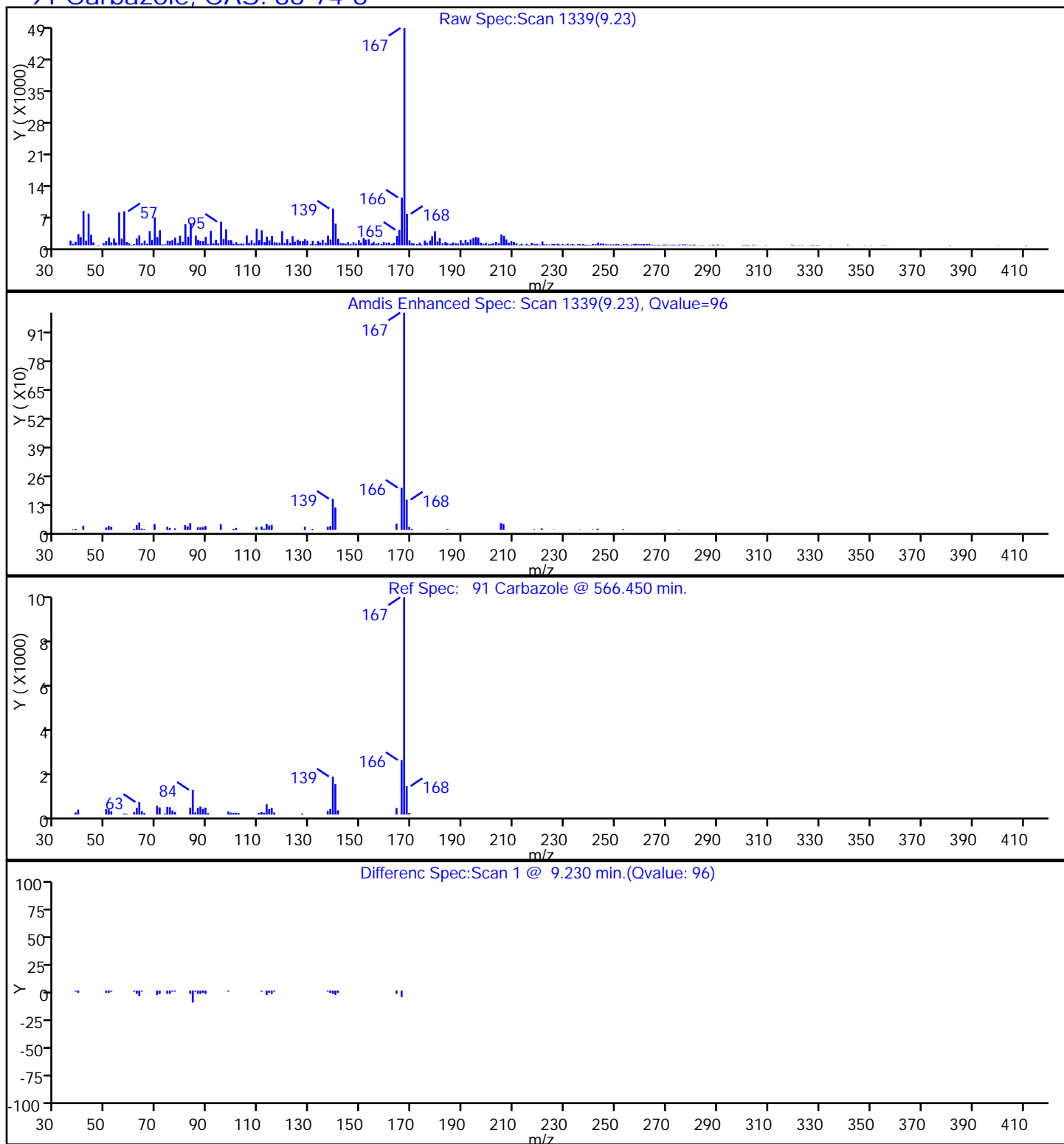
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

91 Carbazole, CAS: 86-74-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

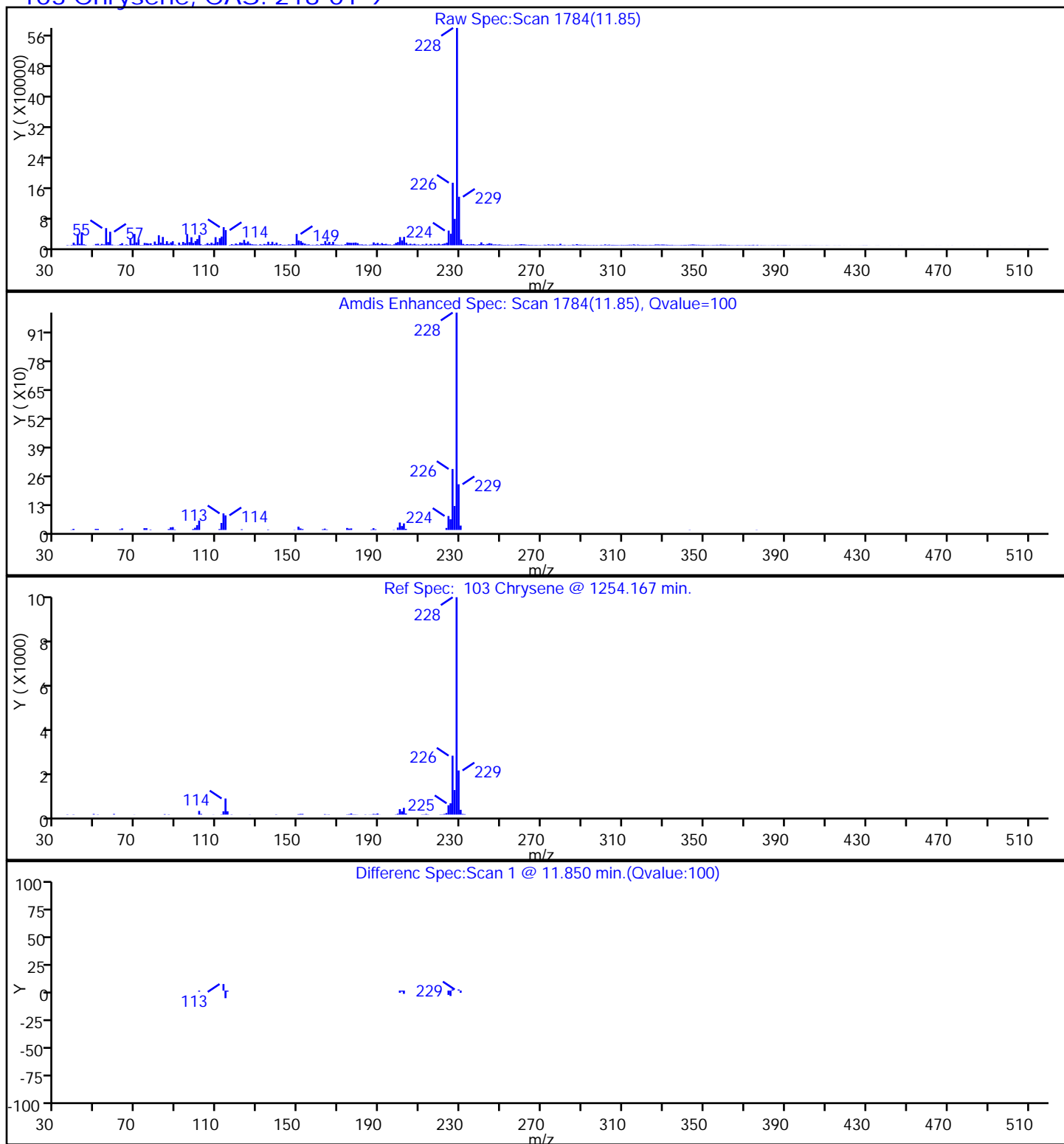
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

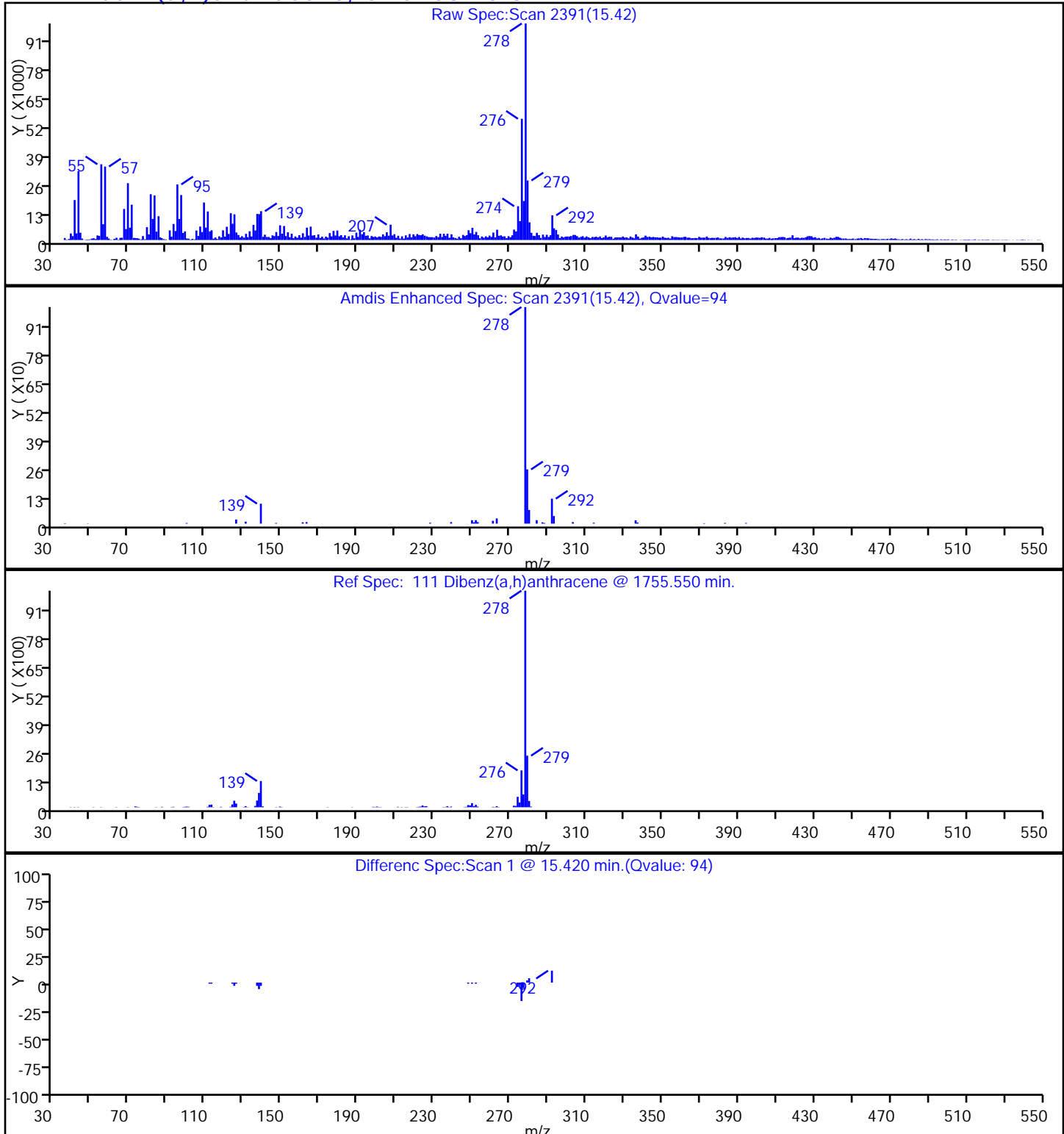
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

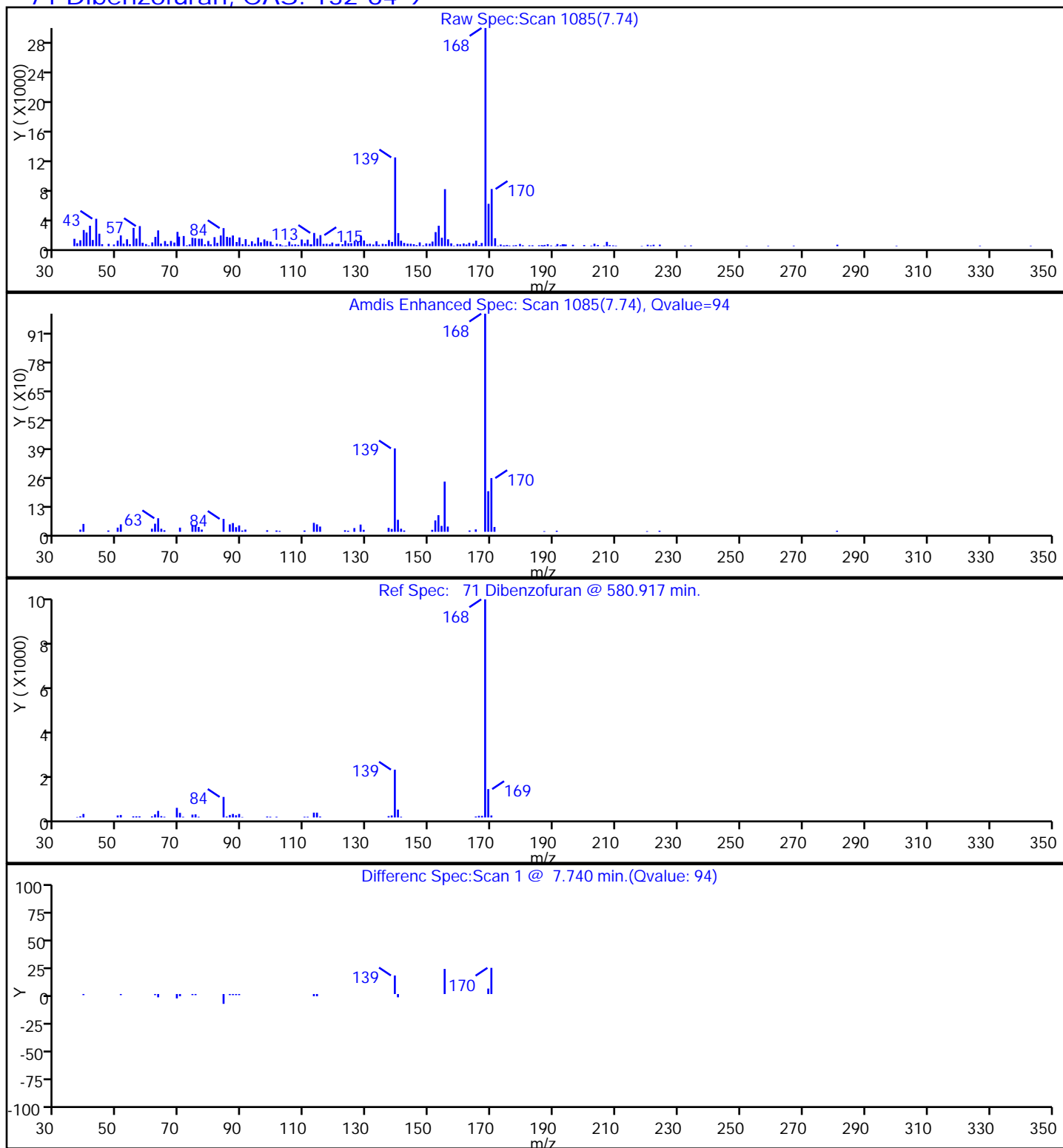
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

71 Dibenzofuran, CAS: 132-64-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

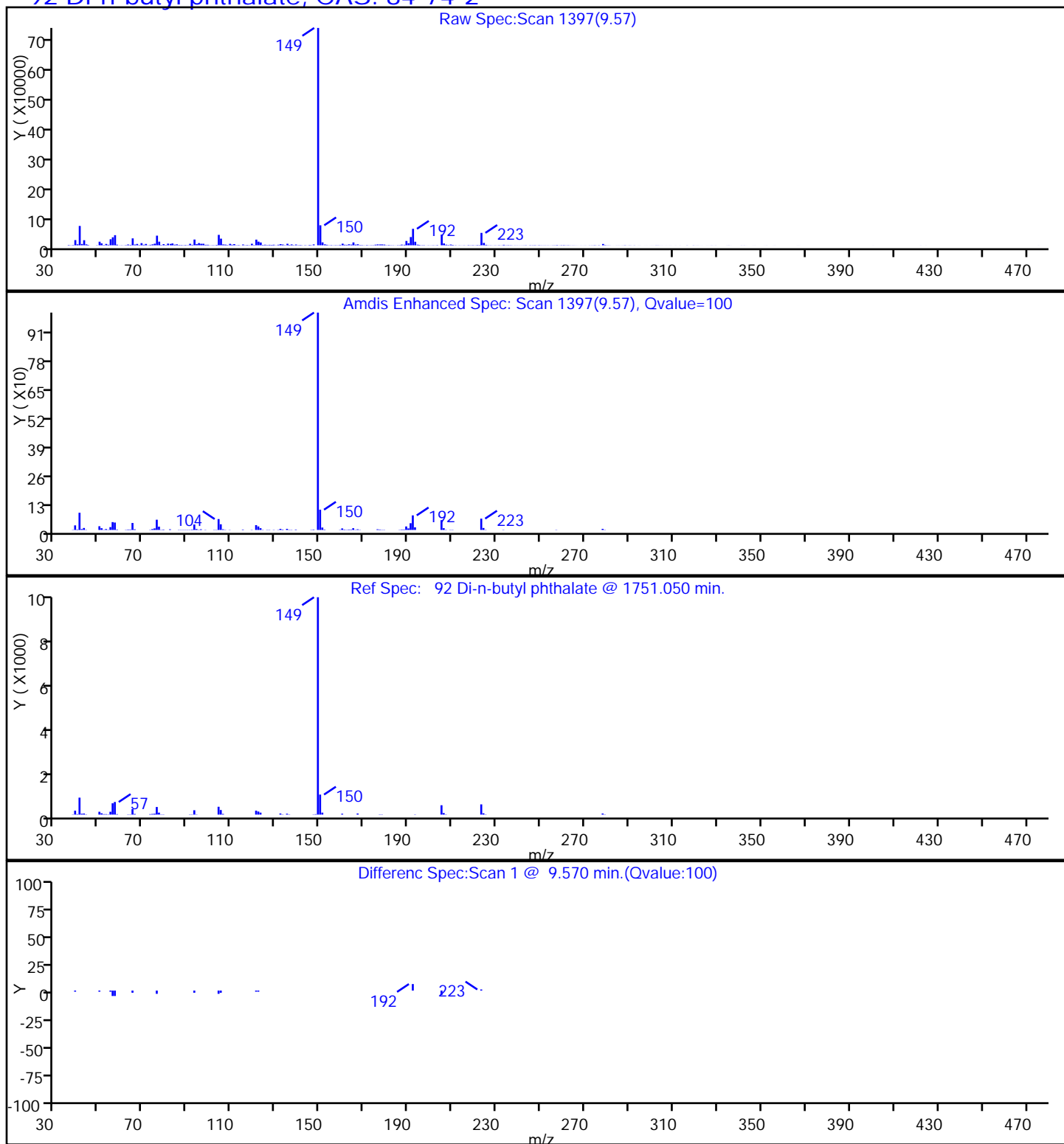
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24 Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

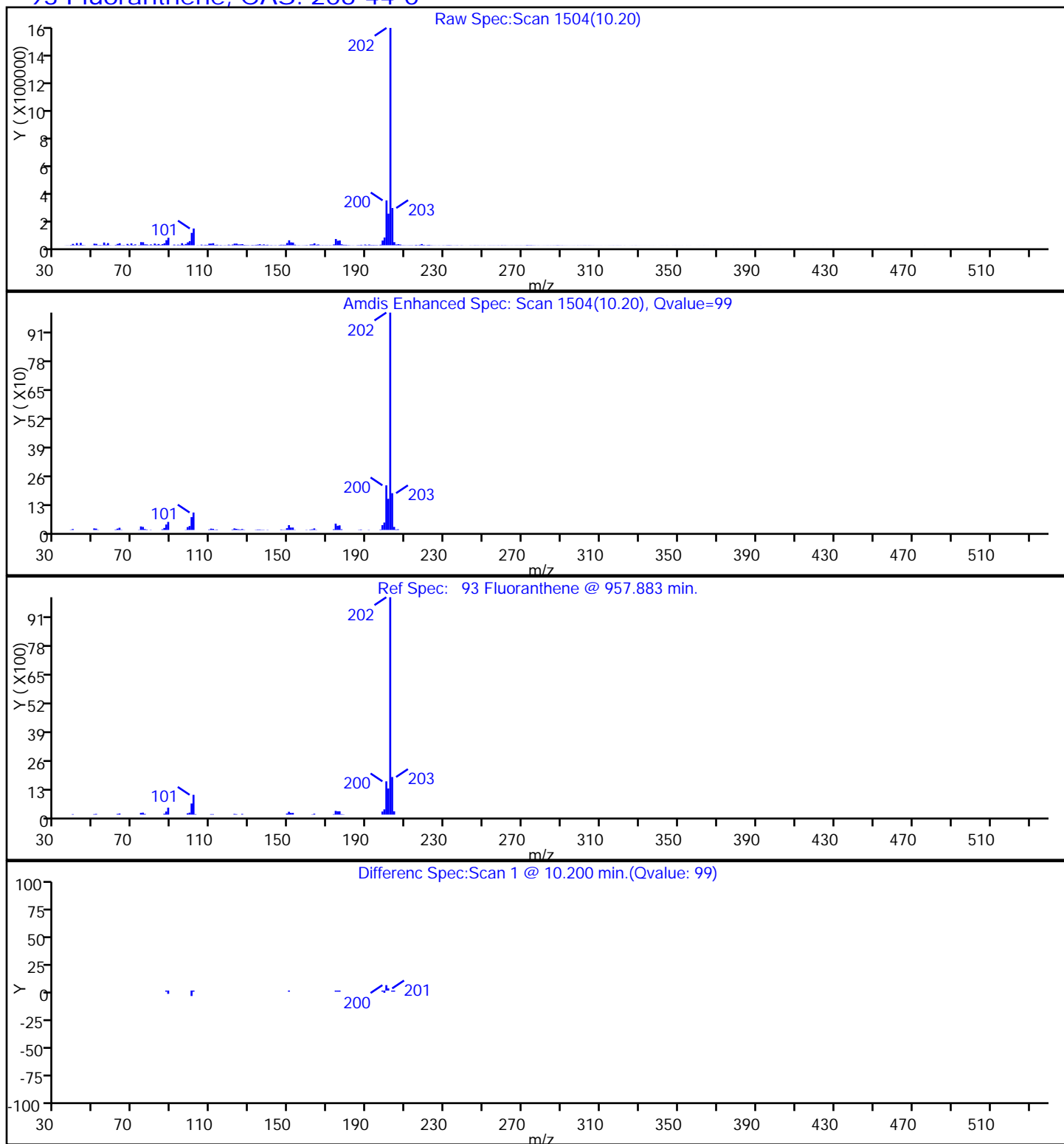
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

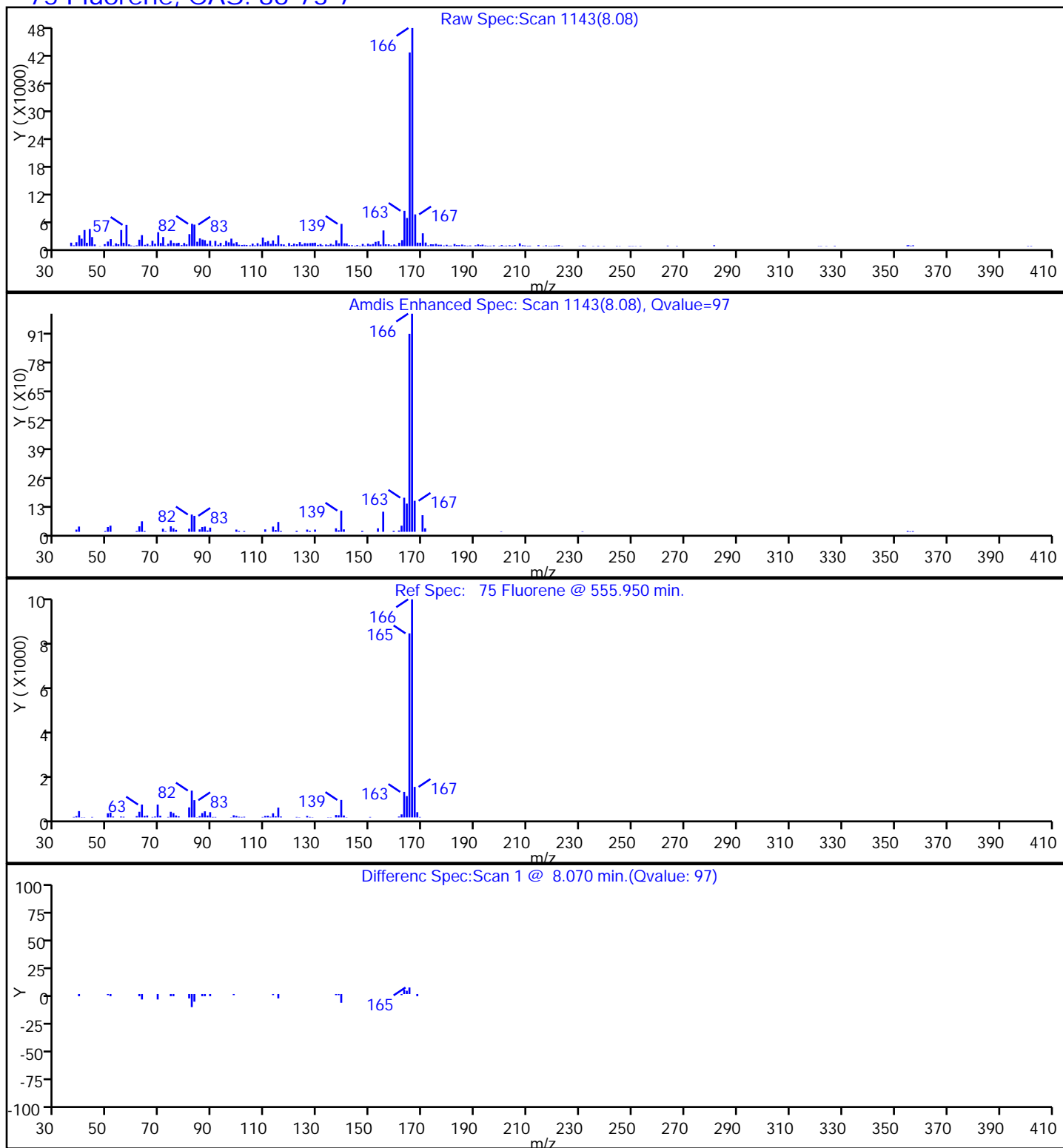
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

75 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

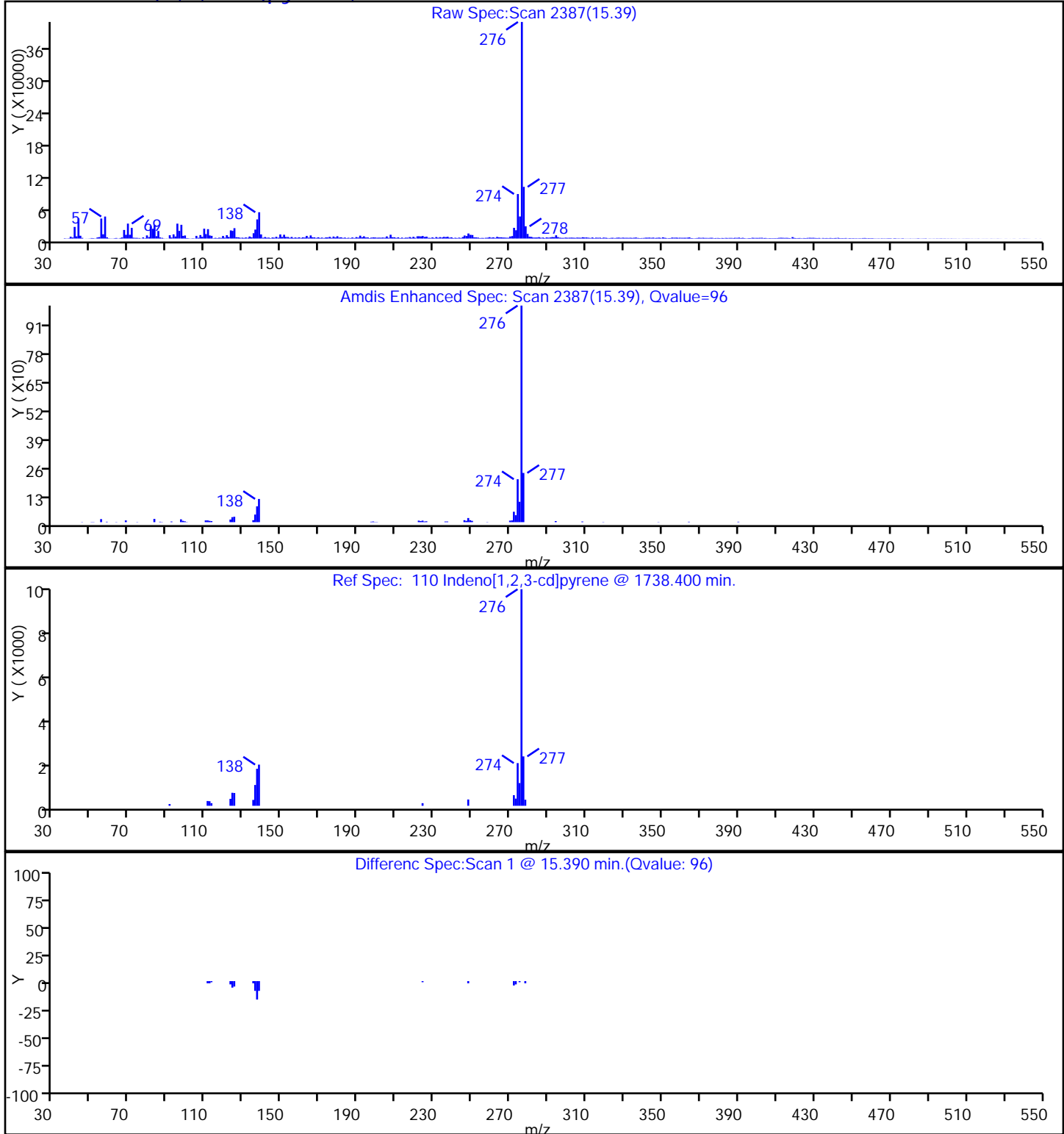
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

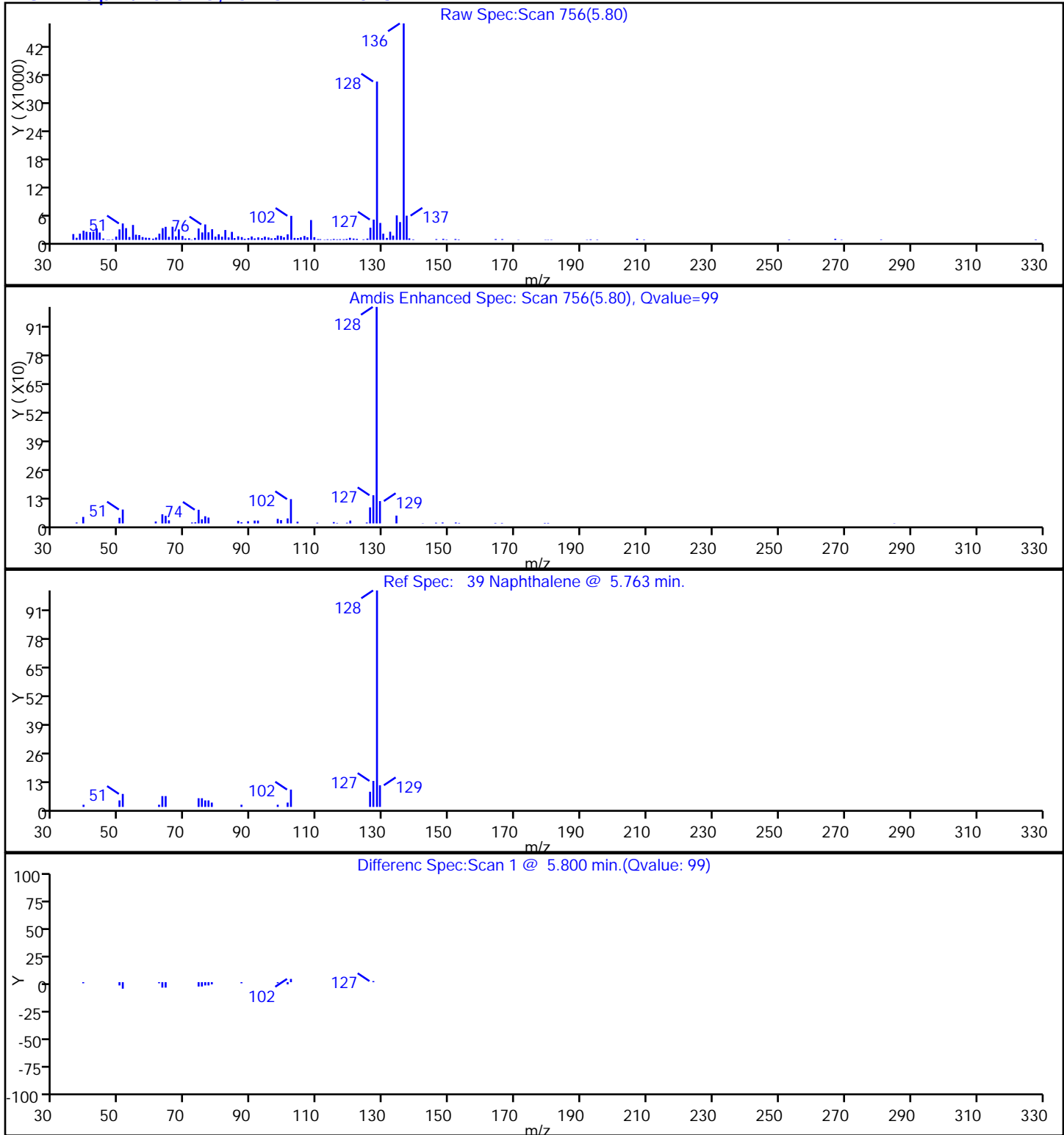
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

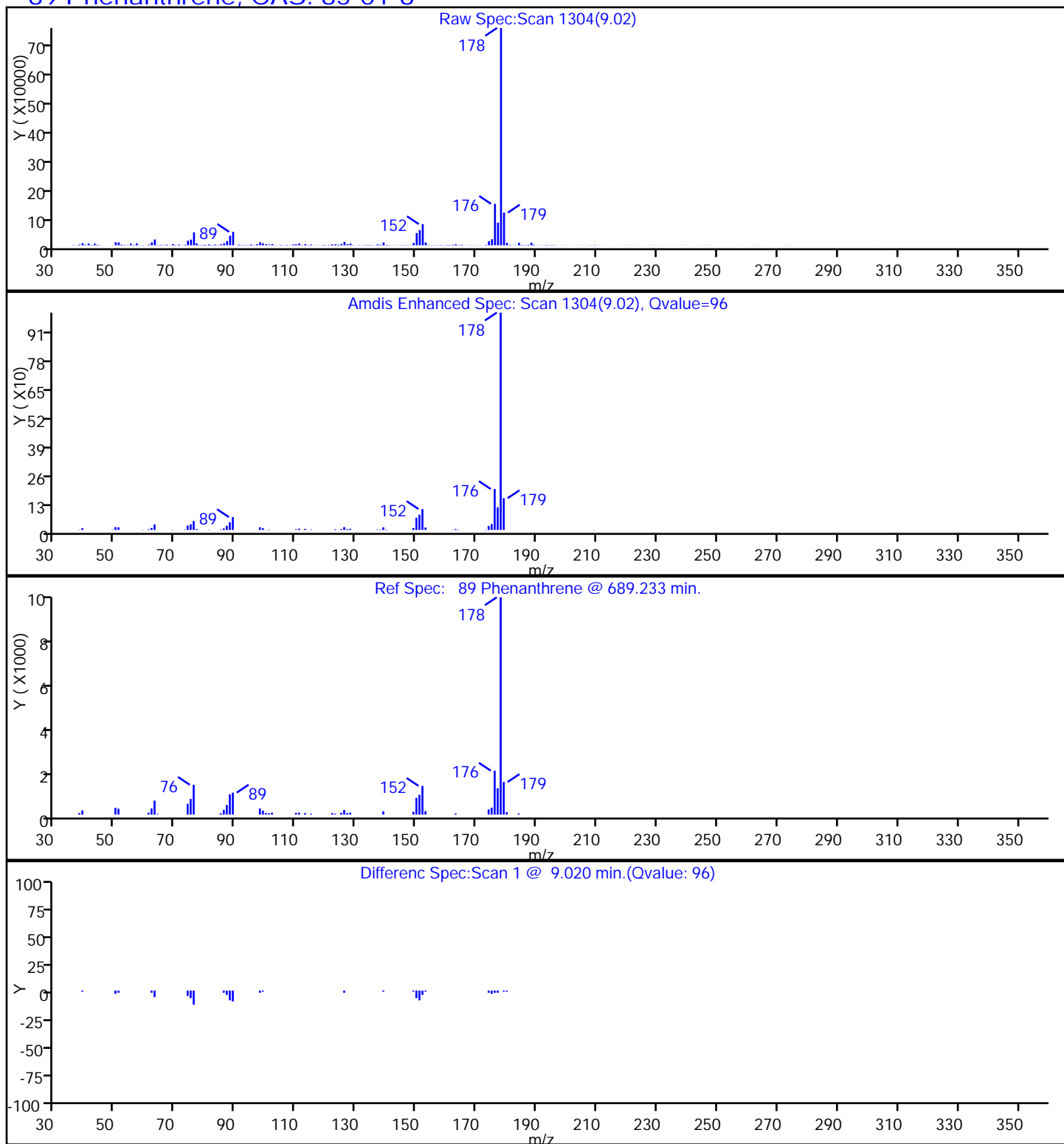
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12738.D

Injection Date: 12-Apr-2016 13:15:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-2-A

Lab Sample ID: 460-111496-2

Client ID: D2

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

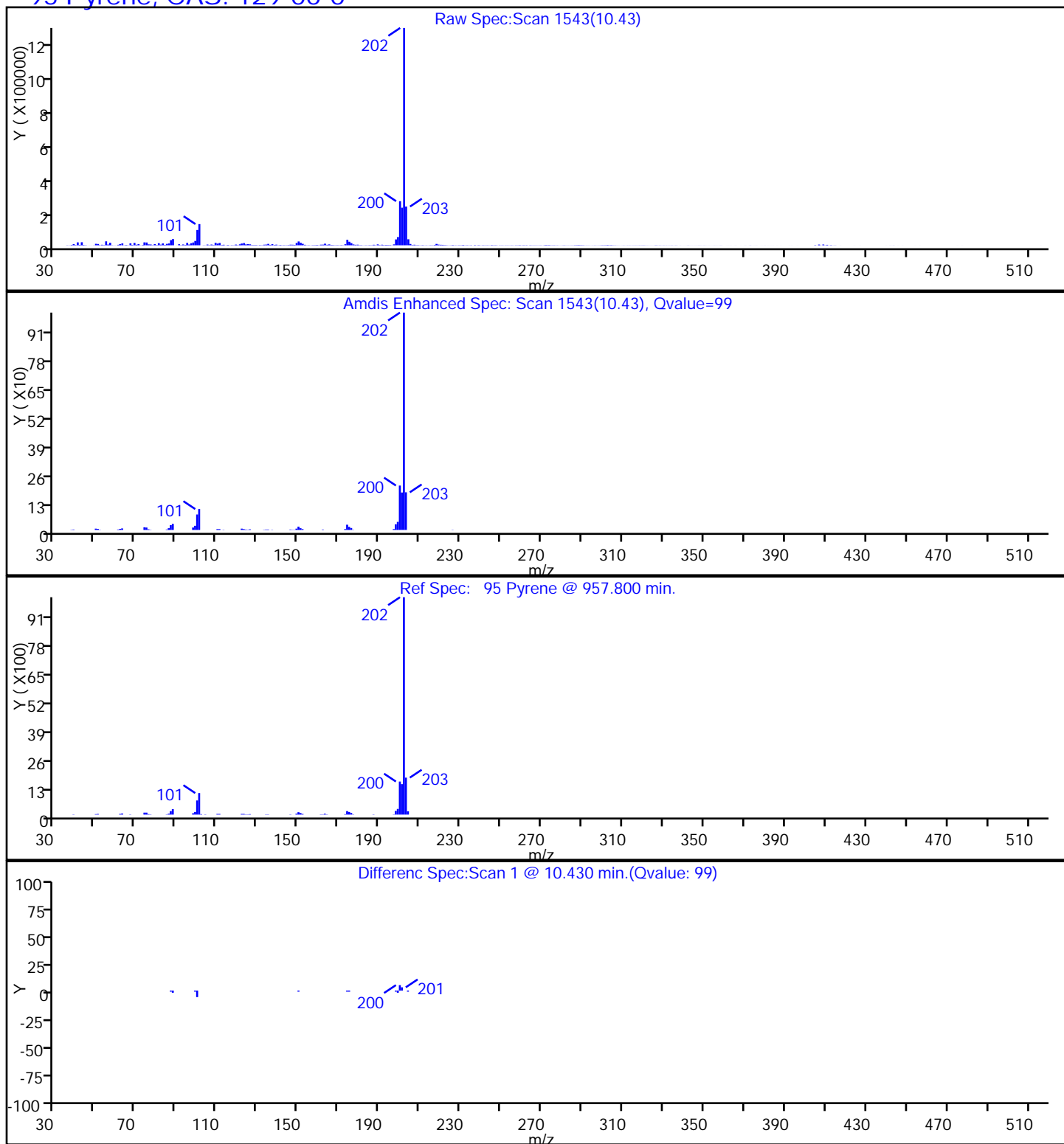
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D3</u>	Lab Sample ID: <u>460-111496-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12744.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0234(g)</u>	Date Analyzed: <u>04/12/2016 15:42</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	710	U	710	61
95-94-3	1,2,4,5-Tetrachlorobenzene	710	U	710	53
108-60-1	2,2'-oxybis[1-chloropropane]	710	U	710	29
58-90-2	2,3,4,6-Tetrachlorophenol	710	U	710	67
95-95-4	2,4,5-Trichlorophenol	710	U	710	71
88-06-2	2,4,6-Trichlorophenol	290	U	290	20
120-83-2	2,4-Dichlorophenol	290	U	290	17
105-67-9	2,4-Dimethylphenol	710	U	710	160
51-28-5	2,4-Dinitrophenol	570	U	570	540
121-14-2	2,4-Dinitrotoluene	140	U	140	28
606-20-2	2,6-Dinitrotoluene	140	U	140	38
91-58-7	2-Chloronaphthalene	710	U	710	16
95-57-8	2-Chlorophenol	710	U	710	18
91-57-6	2-Methylnaphthalene	710	U	710	16
95-48-7	2-Methylphenol	710	U	710	31
88-74-4	2-Nitroaniline	710	U	710	23
88-75-5	2-Nitrophenol	710	U	710	24
91-94-1	3,3'-Dichlorobenzidine	290	U	290	79
99-09-2	3-Nitroaniline	710	U	710	21
534-52-1	4,6-Dinitro-2-methylphenol	570	U	570	190
101-55-3	4-Bromophenyl phenyl ether	710	U	710	22
59-50-7	4-Chloro-3-methylphenol	710	U	710	31
106-47-8	4-Chloroaniline	710	U	710	18
7005-72-3	4-Chlorophenyl phenyl ether	710	U	710	21
106-44-5	4-Methylphenol	710	U	710	19
100-01-6	4-Nitroaniline	710	U	710	27
100-02-7	4-Nitrophenol	1400	U	1400	340
83-32-9	Acenaphthene	35	J	710	17
208-96-8	Acenaphthylene	53	J	710	18
98-86-2	Acetophenone	710	U	710	15
120-12-7	Anthracene	170	J	710	68
1912-24-9	Atrazine	290	U	290	32
100-52-7	Benzaldehyde	710	U	710	54
56-55-3	Benzo[a]anthracene	660		71	59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D3</u>	Lab Sample ID: <u>460-111496-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12744.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0234(g)</u>	Date Analyzed: <u>04/12/2016 15:42</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	710		71	22
205-99-2	Benzo[b]fluoranthene	950		71	28
191-24-2	Benzo[g,h,i]perylene	440	J	710	41
207-08-9	Benzo[k]fluoranthene	390		71	31
111-91-1	Bis(2-chloroethoxy)methane	710	U	710	22
111-44-4	Bis(2-chloroethyl)ether	71	U	71	17
117-81-7	Bis(2-ethylhexyl) phthalate	38	J	710	28
85-68-7	Butyl benzyl phthalate	46	J	710	22
105-60-2	Caprolactam	710	U	710	51
86-74-8	Carbazole	41	J	710	18
218-01-9	Chrysene	700	J	710	19
53-70-3	Dibenz(a,h)anthracene	120		71	37
132-64-9	Dibenzofuran	710	U	710	22
84-66-2	Diethyl phthalate	710	U	710	20
131-11-3	Dimethyl phthalate	710	U	710	21
84-74-2	Di-n-butyl phthalate	27	J	710	21
117-84-0	Di-n-octyl phthalate	710	U	710	36
206-44-0	Fluoranthene	1200		710	21
86-73-7	Fluorene	36	J	710	15
118-74-1	Hexachlorobenzene	71	U	71	29
87-68-3	Hexachlorobutadiene	140	U	140	20
77-47-4	Hexachlorocyclopentadiene	710	U	710	44
67-72-1	Hexachloroethane	71	U	71	26
193-39-5	Indeno[1,2,3-cd]pyrene	580		71	47
78-59-1	Isophorone	290	U	290	15
91-20-3	Naphthalene	710	U	710	18
98-95-3	Nitrobenzene	71	U	71	22
621-64-7	N-Nitrosodi-n-propylamine	71	U	71	24
86-30-6	N-Nitrosodiphenylamine	710	U	710	65
87-86-5	Pentachlorophenol	570	U	570	86
85-01-8	Phenanthrene	500	J	710	19
108-95-2	Phenol	710	U	710	23
129-00-0	Pyrene	690	J	710	32

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D3</u>	Lab Sample ID: <u>460-111496-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12744.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0234(g)</u>	Date Analyzed: <u>04/12/2016 15:42</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	41		10-95
321-60-8	2-Fluorobiphenyl	79		27-84
367-12-4	2-Fluorophenol (Surr)	61		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	65		28-92
4165-62-2	Phenol-d5 (Surr)	61		22-88
1718-51-0	Terphenyl-d14 (Surr)	51		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D
 Lims ID: 460-111496-A-3-C Lab Sample ID: 460-111496-3
 Client ID: D3
 Sample Type: Client
 Inject. Date: 12-Apr-2016 15:42:30 ALS Bottle#: 30 Worklist Smp#: 30
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0039742-030
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 17:14:42 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: croccom

Date: 12-Apr-2016 16:19:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.236	3.218	0.018	96	588158	15.1	
\$ 6 Phenol-d5	99	4.118	4.142	-0.024	87	673377	15.2	
10 Benzonitrile	103	4.283	4.277	0.006	1	184	NC	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1070763	40.0	
20 N-Methylaniline	106	4.895	4.906	-0.011	55	473	NC	
29 2-Toluidine	107	4.895	4.968	-0.073	47	691	NC	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	92	573951	16.4	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	3337536	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	96	10595	0.1204	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	1188683	19.8	
61 Acenaphthylene	152	7.394	7.400	-0.006	98	22796	0.3687	
* 65 Acenaphthene-d10	164	7.536	7.535	0.001	91	1414673	40.0	
67 Acenaphthene	154	7.565	7.577	-0.012	94	10070	0.2453	
71 Dibenzofuran	168	7.736	7.747	-0.011	96	7473	0.1273	
75 Fluorene	166	8.077	8.083	-0.006	97	10507	0.2485	
\$ 80 2,4,6-Tribromophenol	330	8.318	8.324	-0.006	90	119510	10.2	
63 2-Naphthylamine	143	8.471	8.385	0.086	35	232	NC	
62 1-Naphthylamine	143	8.312	8.385	-0.073	52	24480	NC	
87 n-Octadecane	57	8.894	8.894	0.000	94	6407	0.3010	
* 88 Phenanthrene-d10	188	9.000	9.000	0.000	98	1677579	40.0	
89 Phenanthrene	178	9.024	9.030	-0.006	97	162484	3.46	
90 Anthracene	178	9.077	9.083	-0.006	99	56076	1.18	
91 Carbazole	167	9.230	9.235	-0.005	96	9941	0.2845	
92 Di-n-butyl phthalate	149	9.571	9.571	0.000	89	7719	0.1905	
93 Fluoranthene	202	10.200	10.200	0.000	99	343197	8.44	
95 Pyrene	202	10.429	10.429	0.000	99	301637	4.84	
\$ 96 Terphenyl-d14	244	10.588	10.588	0.000	98	642691	12.8	
97 Butyl benzyl phthalate	149	11.124	11.124	0.000	92	6025	0.3187	
101 Benzo[a]anthracene	228	11.806	11.800	0.006	97	215265	4.60	
* 102 Chrysene-d12	240	11.818	11.812	0.006	98	1615640	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.835	0.006	46	6554	0.2650	
103 Chrysene	228	11.847	11.853	-0.006	99	206431	4.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
106 Benzo[b]fluoranthene	252	13.253	13.247	0.006	97	378669	6.65	
107 Benzo[k]fluoranthene	252	13.288	13.288	0.000	97	164266	2.69	
108 Benzo[a]pyrene	252	13.712	13.706	0.006	98	254171	4.97	
* 109 Perylene-d12	264	13.794	13.782	0.012	98	2163236	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.388	15.382	0.006	95	177133	4.06	
111 Dibenz(a,h)anthracene	278	15.423	15.417	0.006	94	39965	0.8344	
112 Benzo[g,h,i]perylene	276	15.841	15.835	0.006	95	163801	3.05	
126 4,4'-DDD	235	7.806	7.798	0.008	1	47	NR	7
127 4,4'-DDT	235	8.071	8.116	-0.045	1	96	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160412-39742.b\\x12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Worklist Smp#: 30

Client ID: D3

Injection Vol: 1.0 ul

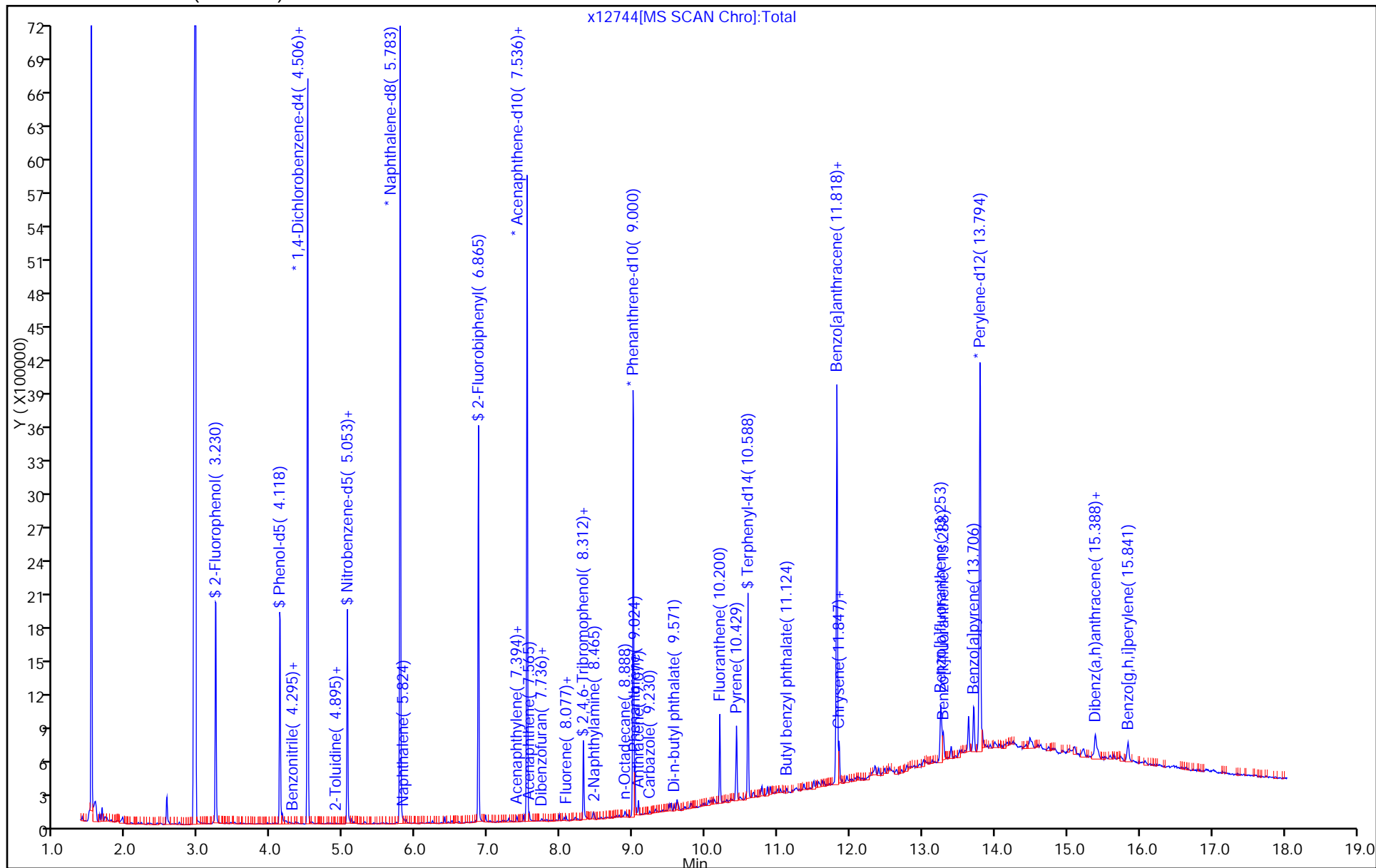
Dil. Factor: 2.0000

ALS Bottle#: 30

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

Worklist Smp#: 30

Injection Vol: 1.0 ul

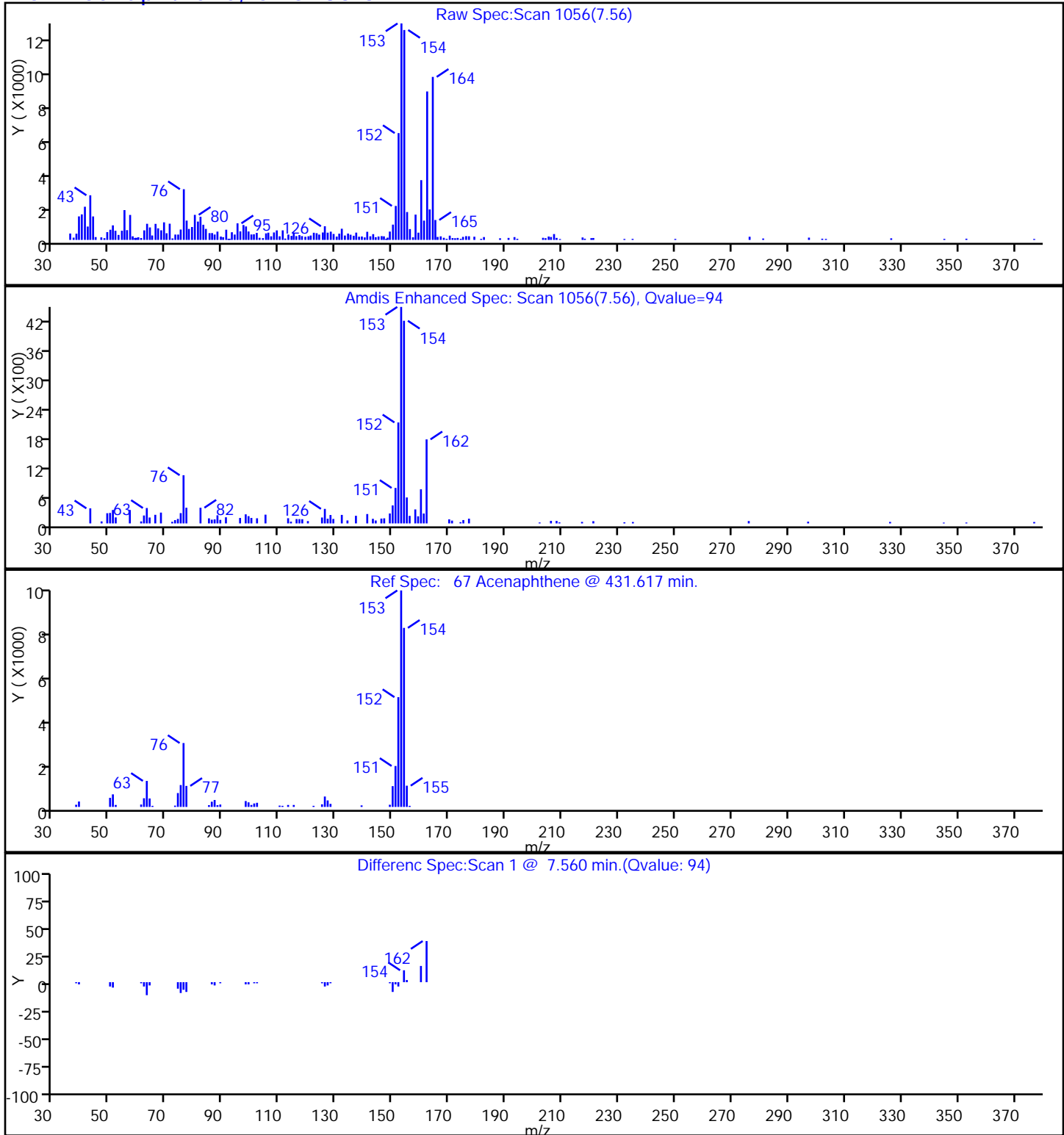
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

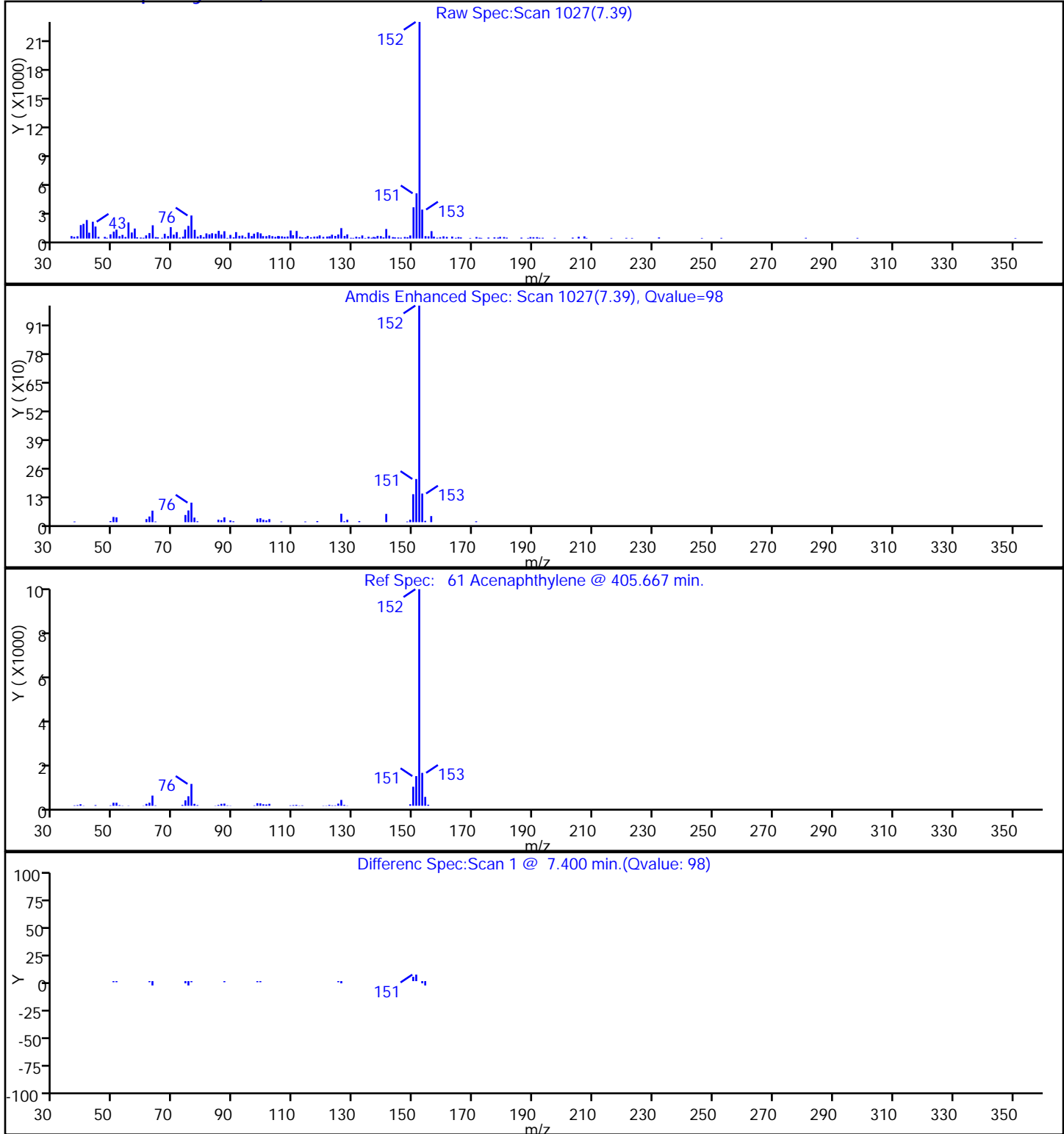
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

Worklist Smp#: 30

Injection Vol: 1.0 ul

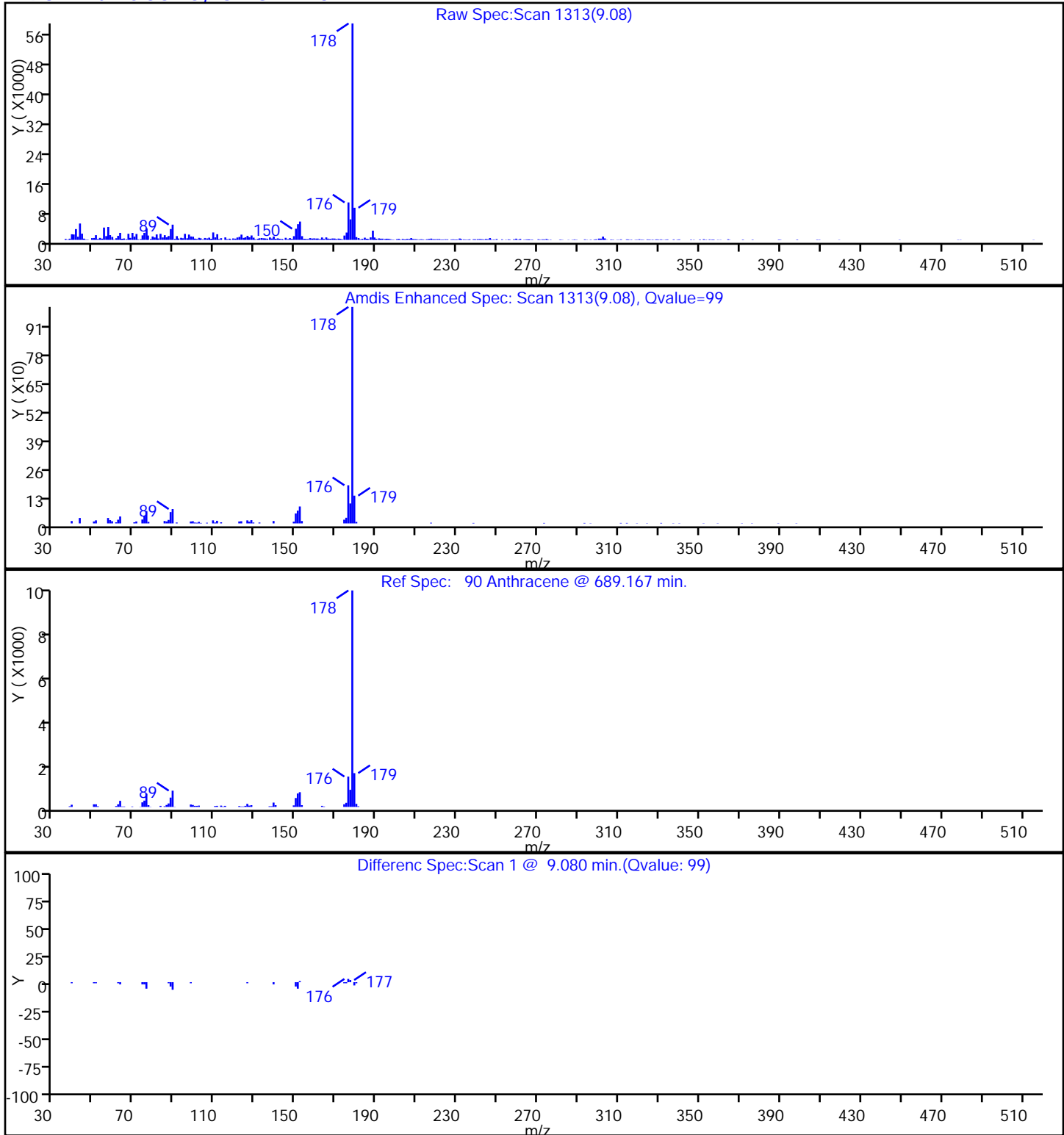
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

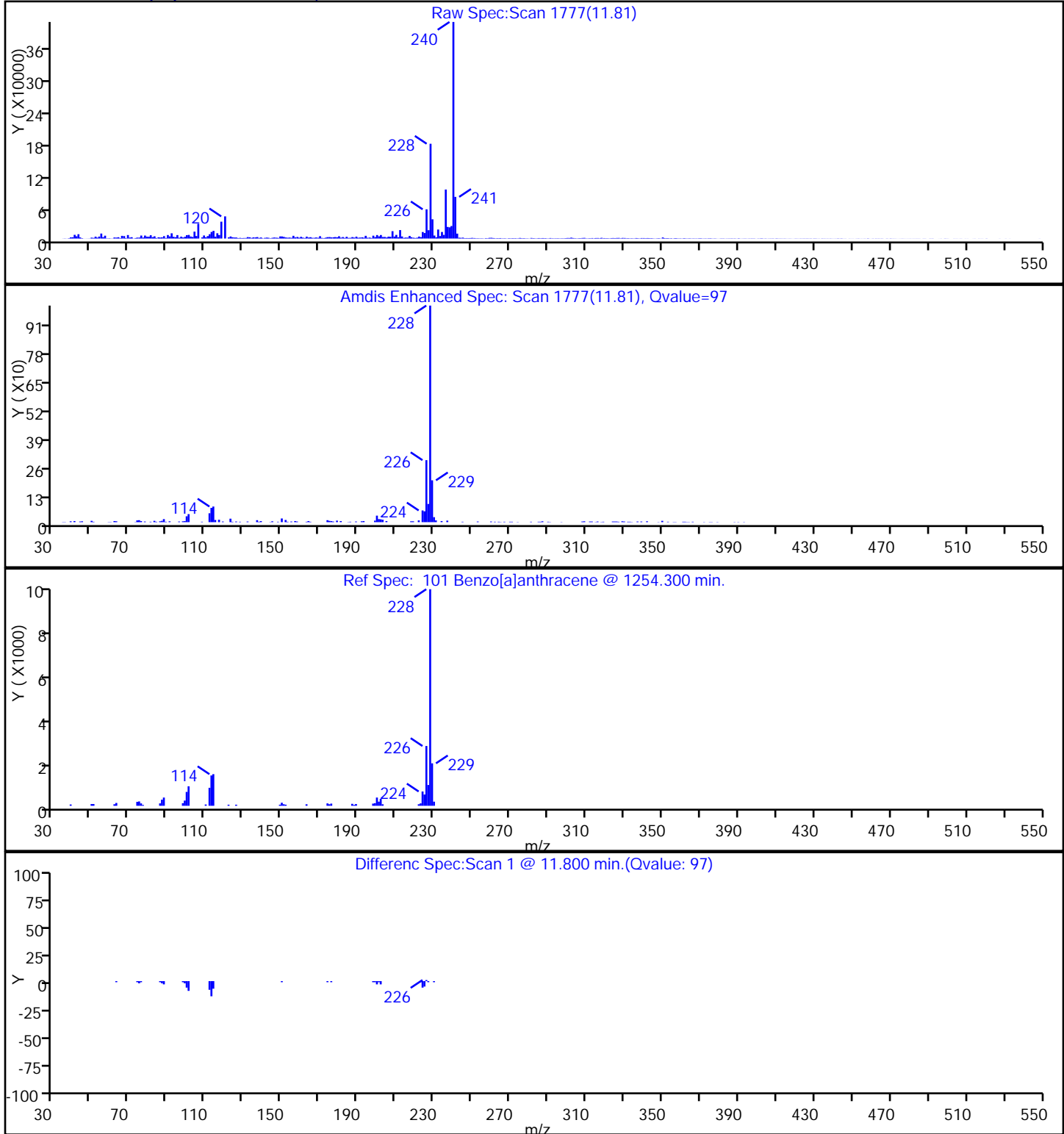
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

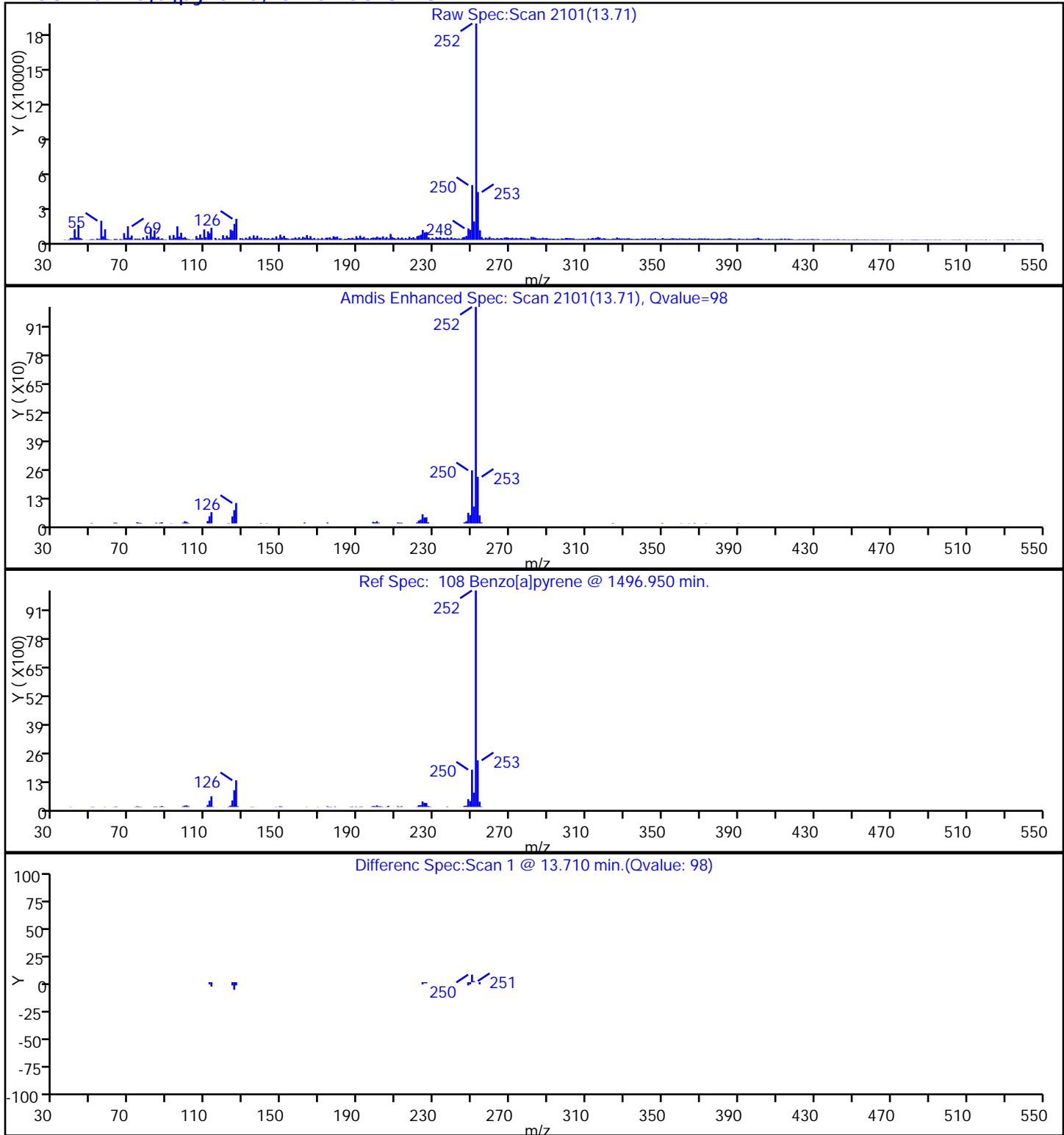
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

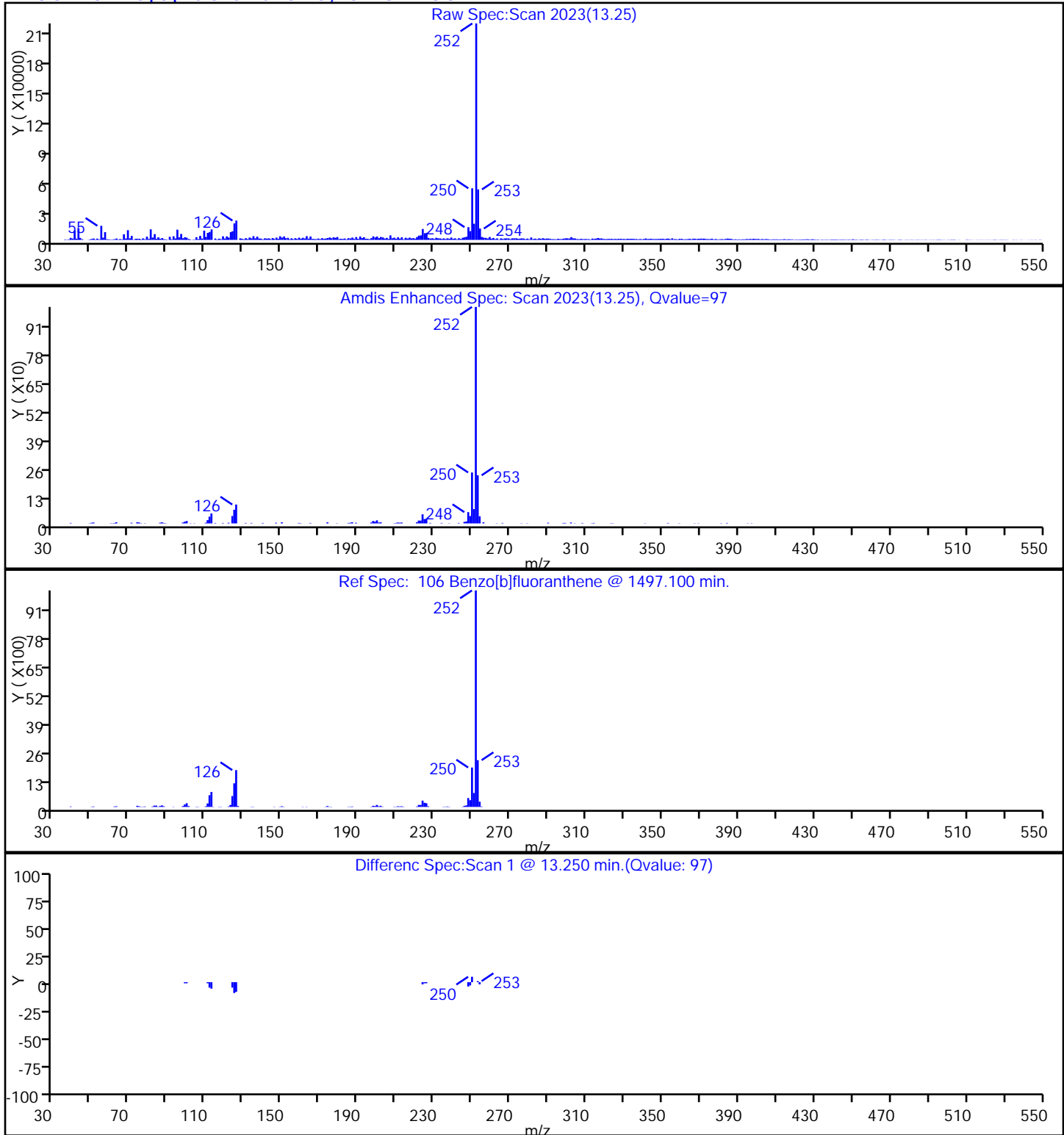
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

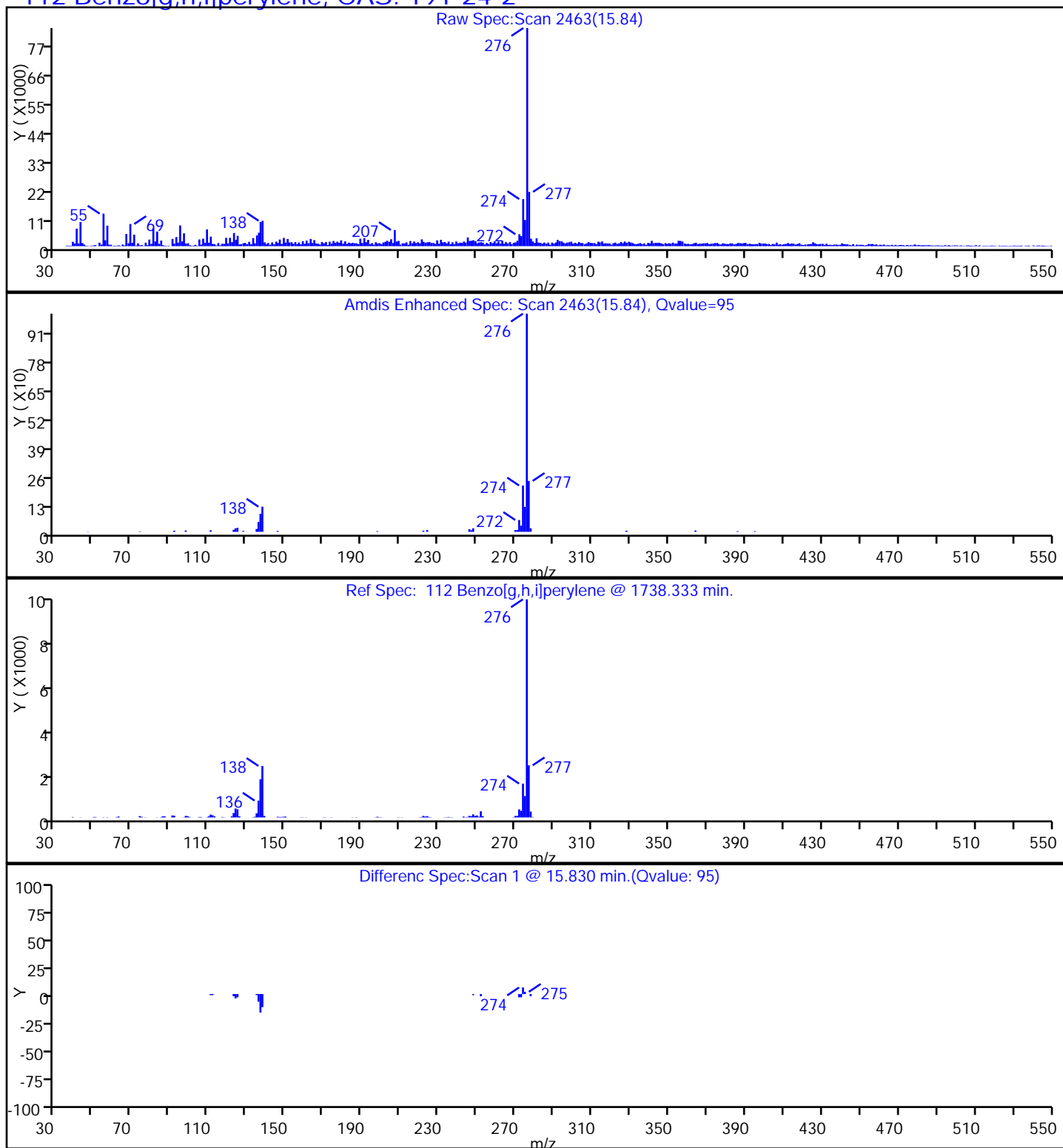
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

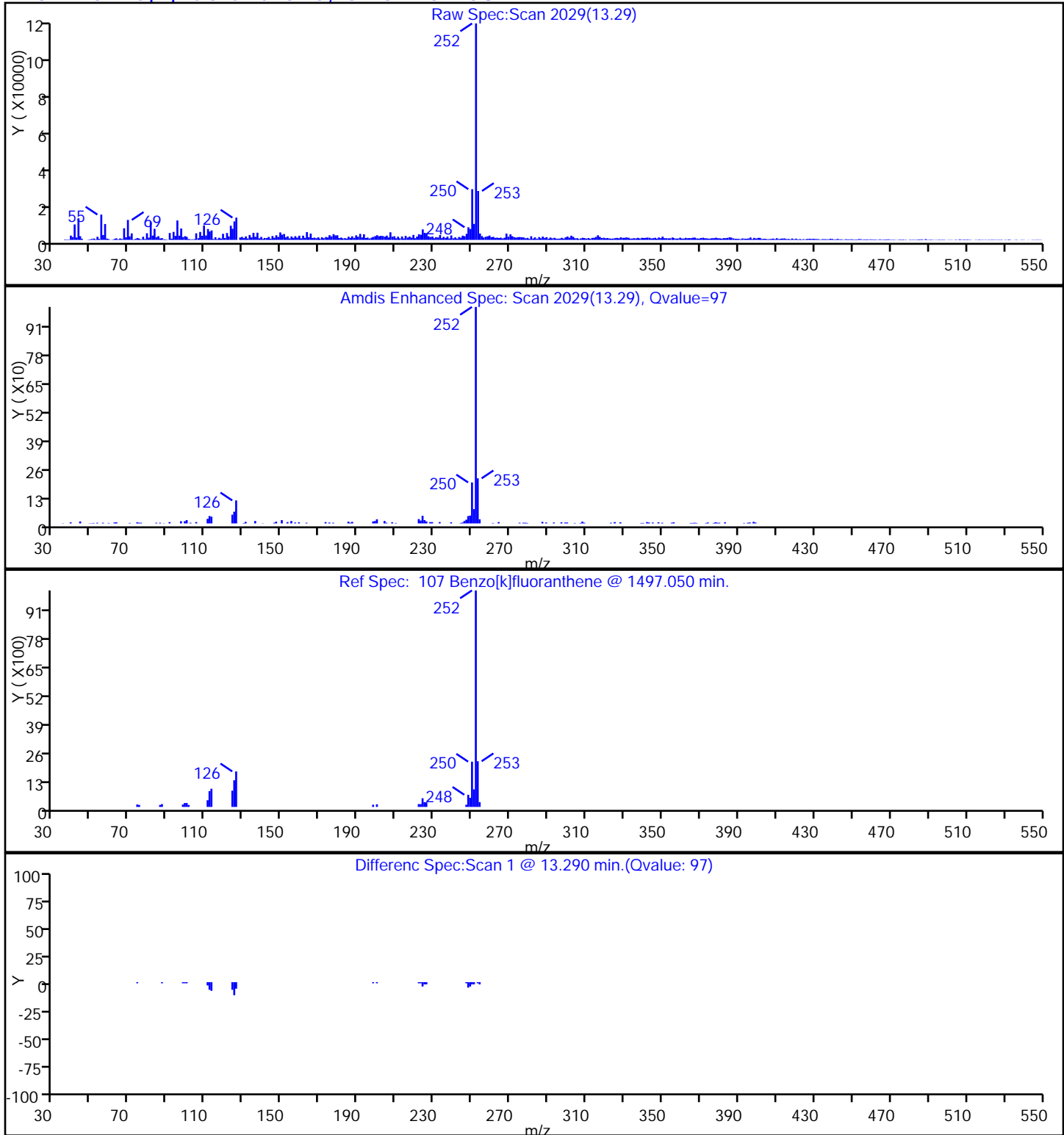
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

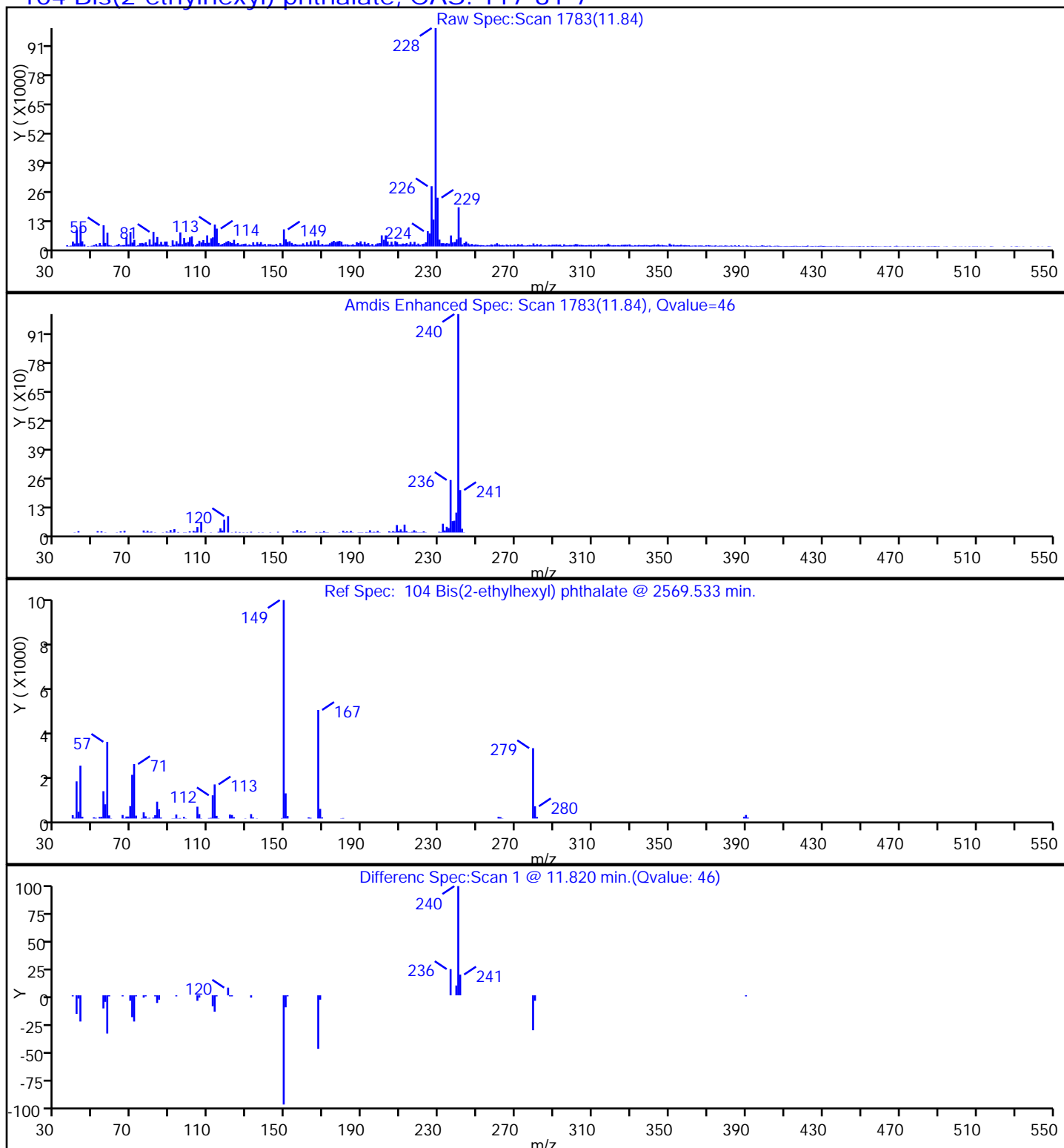
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#: 30 Worklist Smp#: 30

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

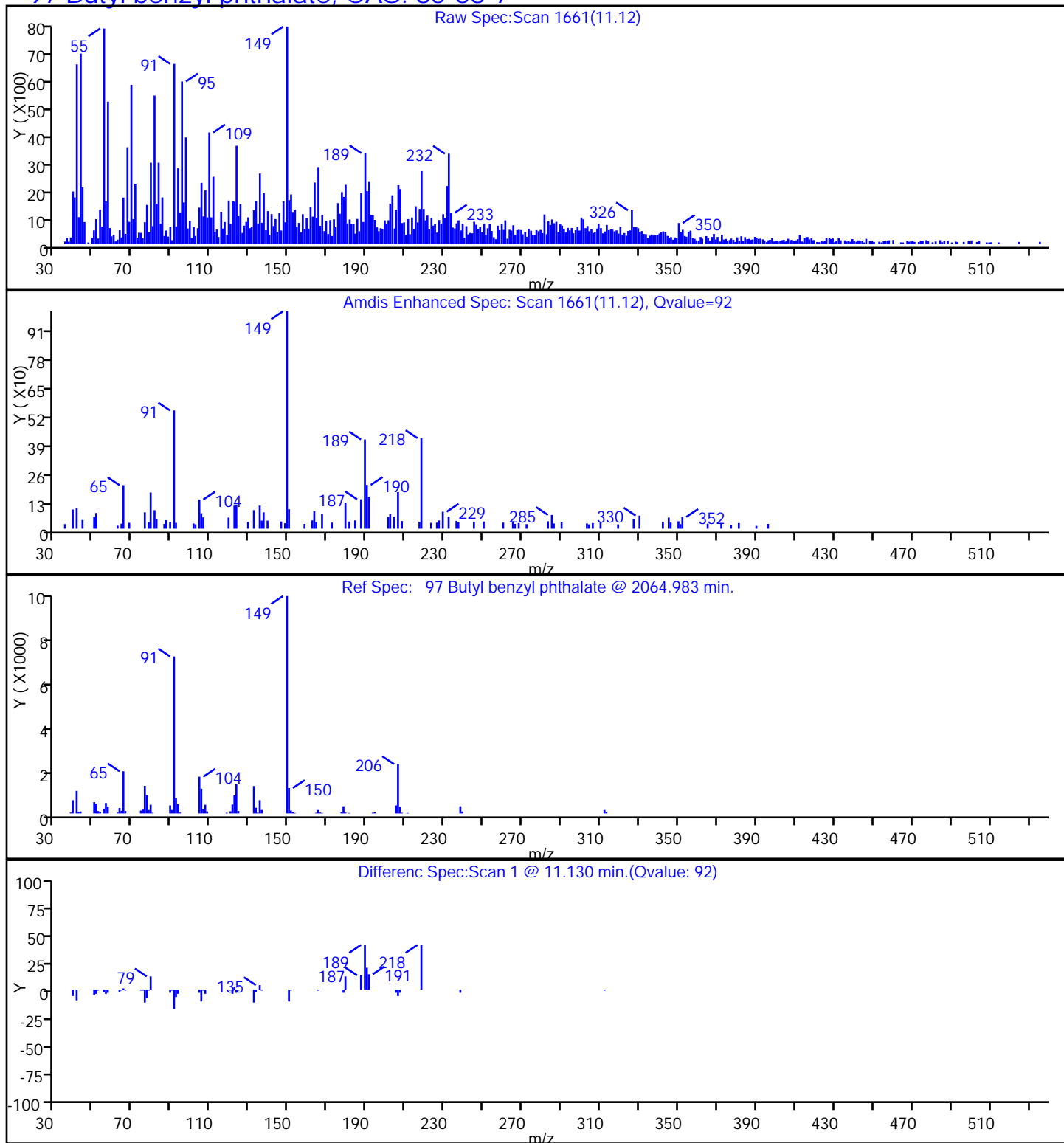
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#: 30 Worklist Smp#: 30

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

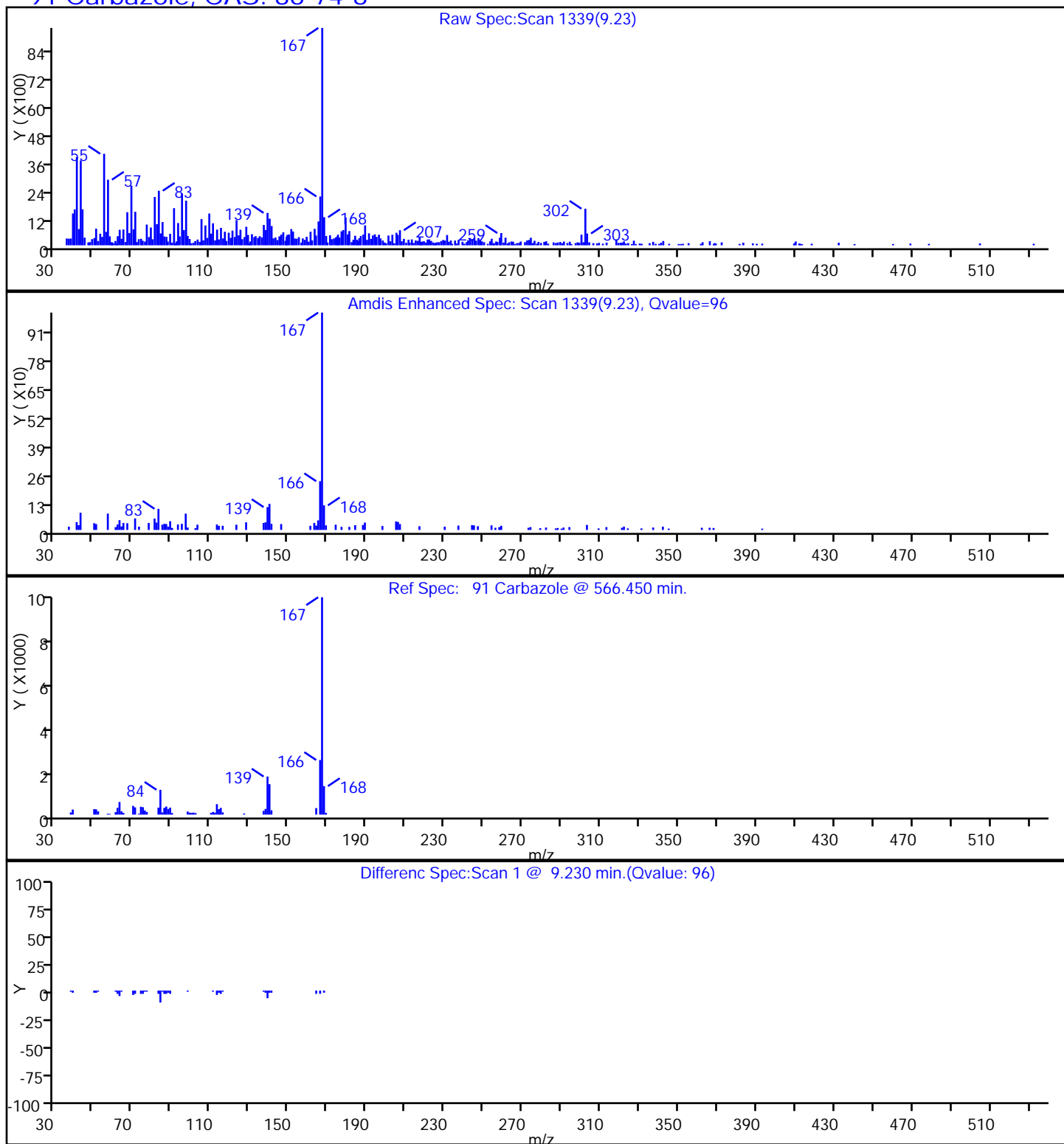
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

91 Carbazole, CAS: 86-74-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

Worklist Smp#: 30

Injection Vol: 1.0 ul

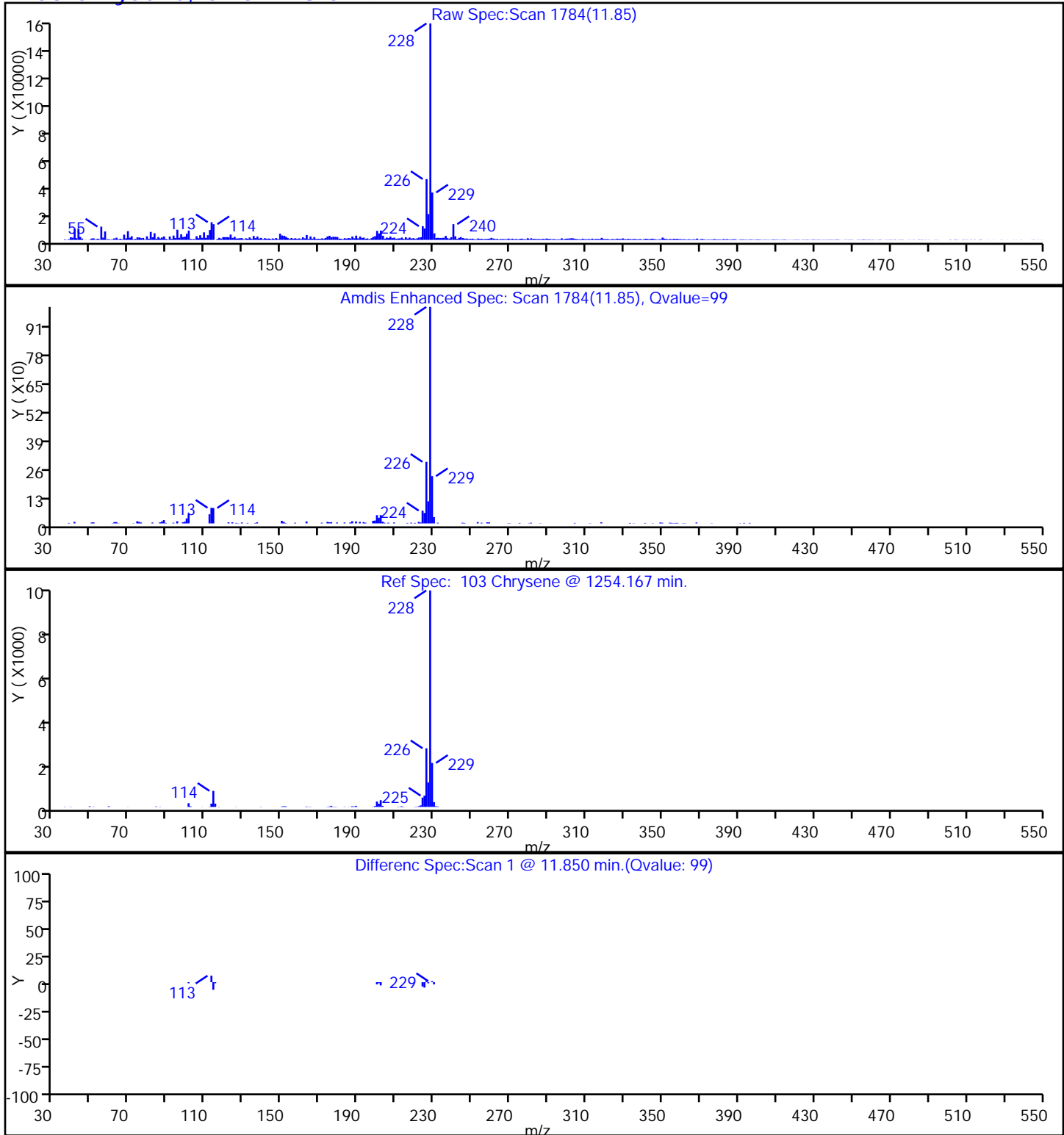
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

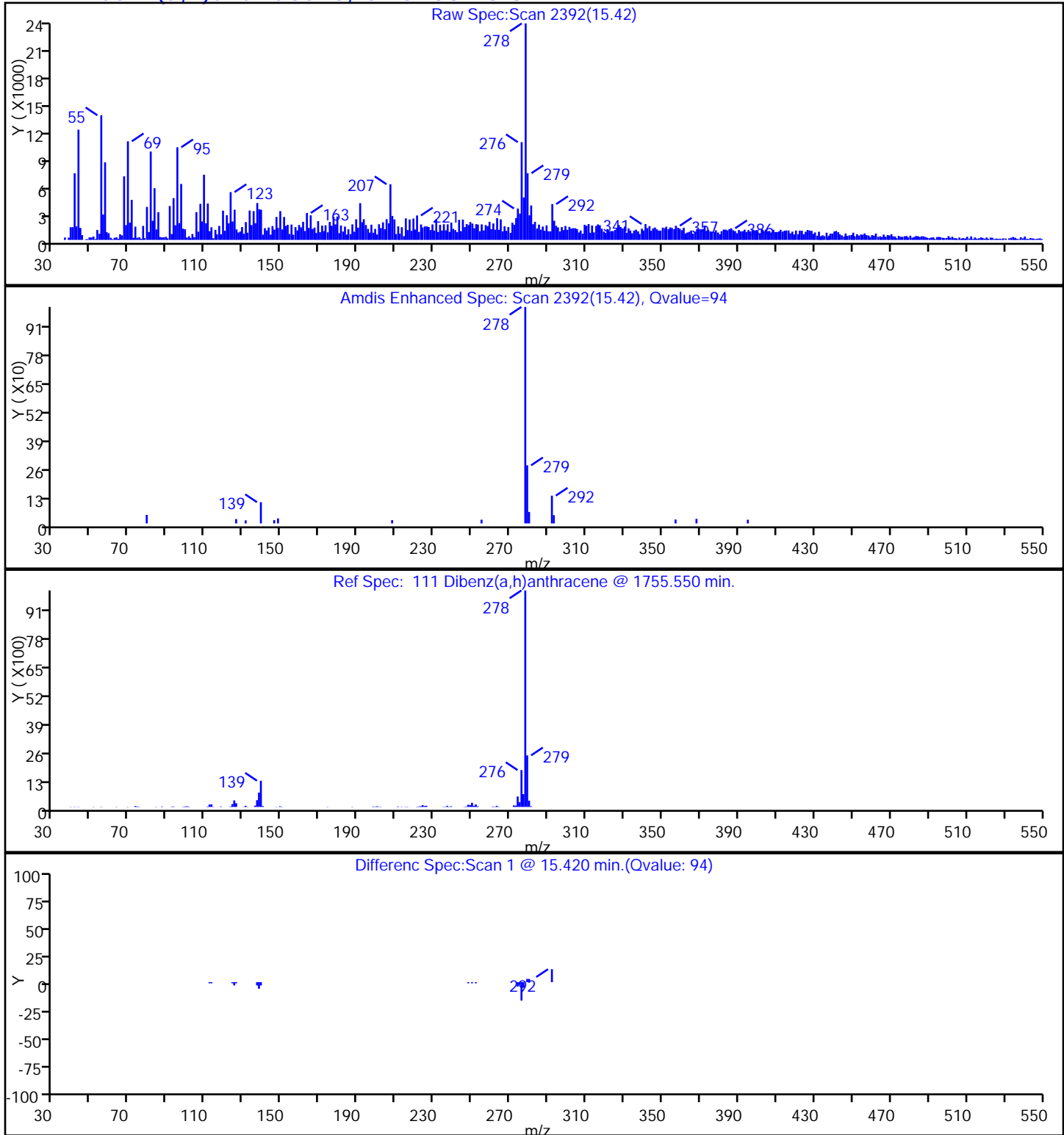
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#: 30 Worklist Smp#: 30

Injection Vol: 1.0 ul

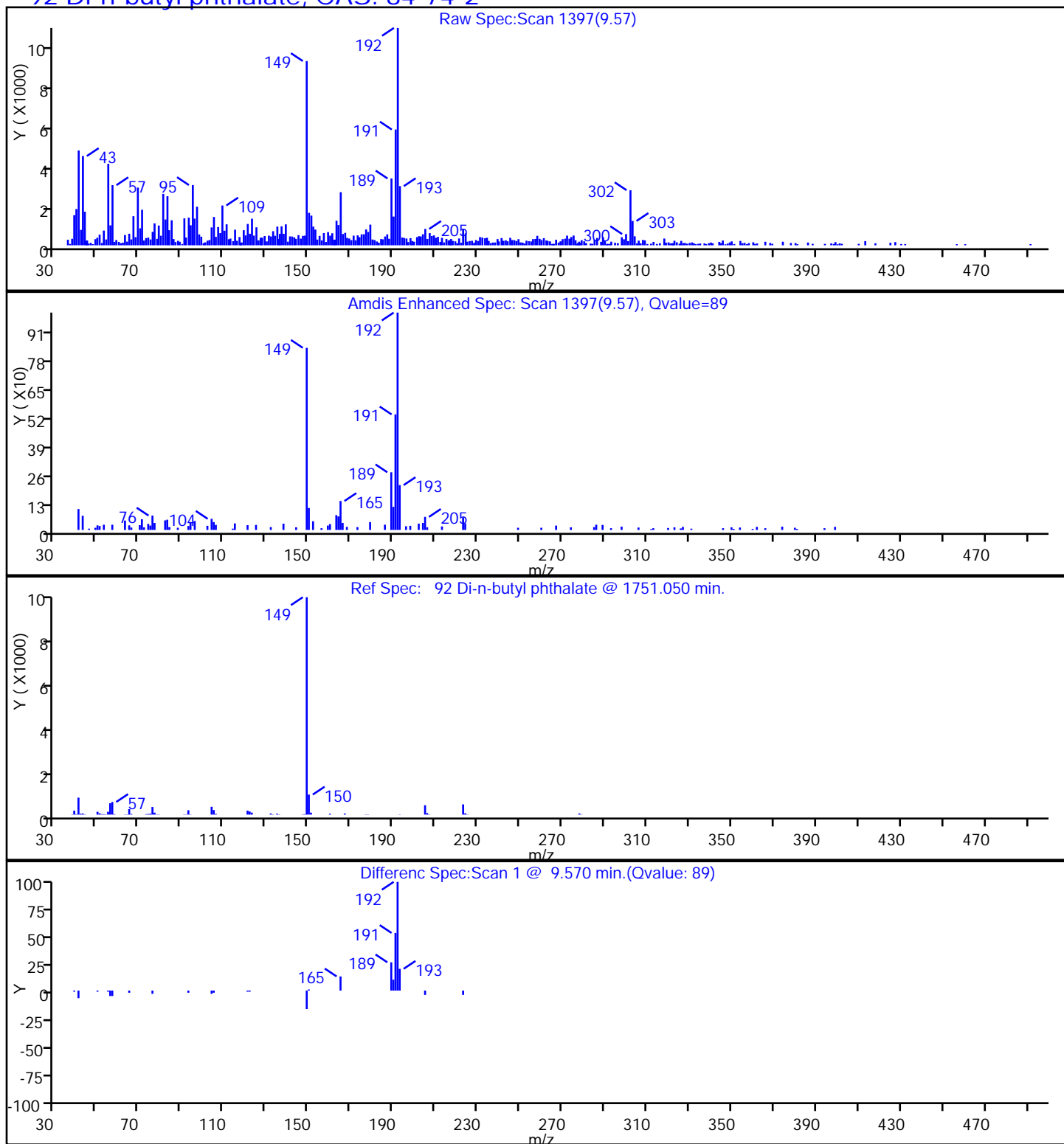
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#: 30 Worklist Smp#: 30

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

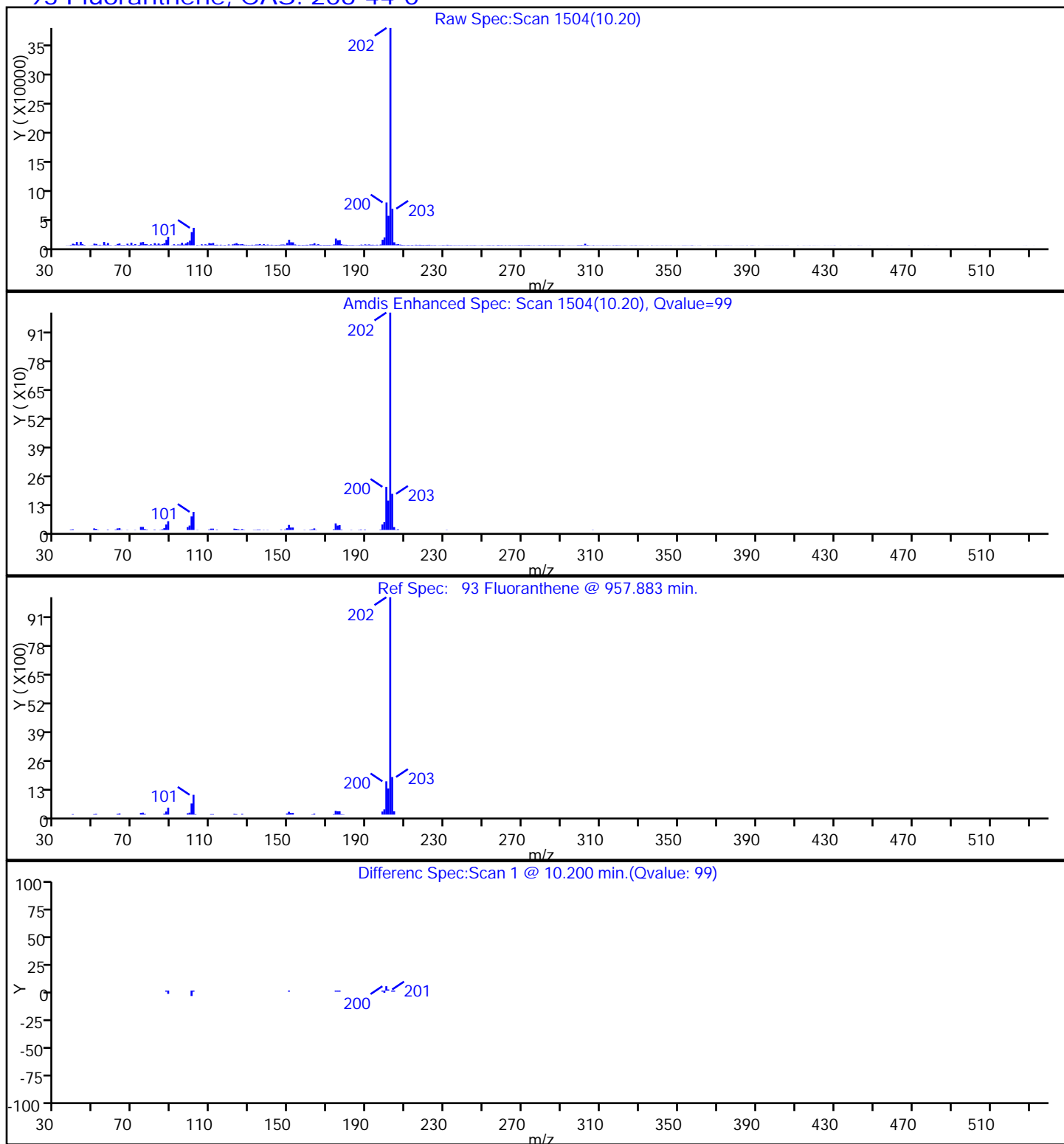
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160412-39742.b\\x12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#: 30 Worklist Smp#: 30

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

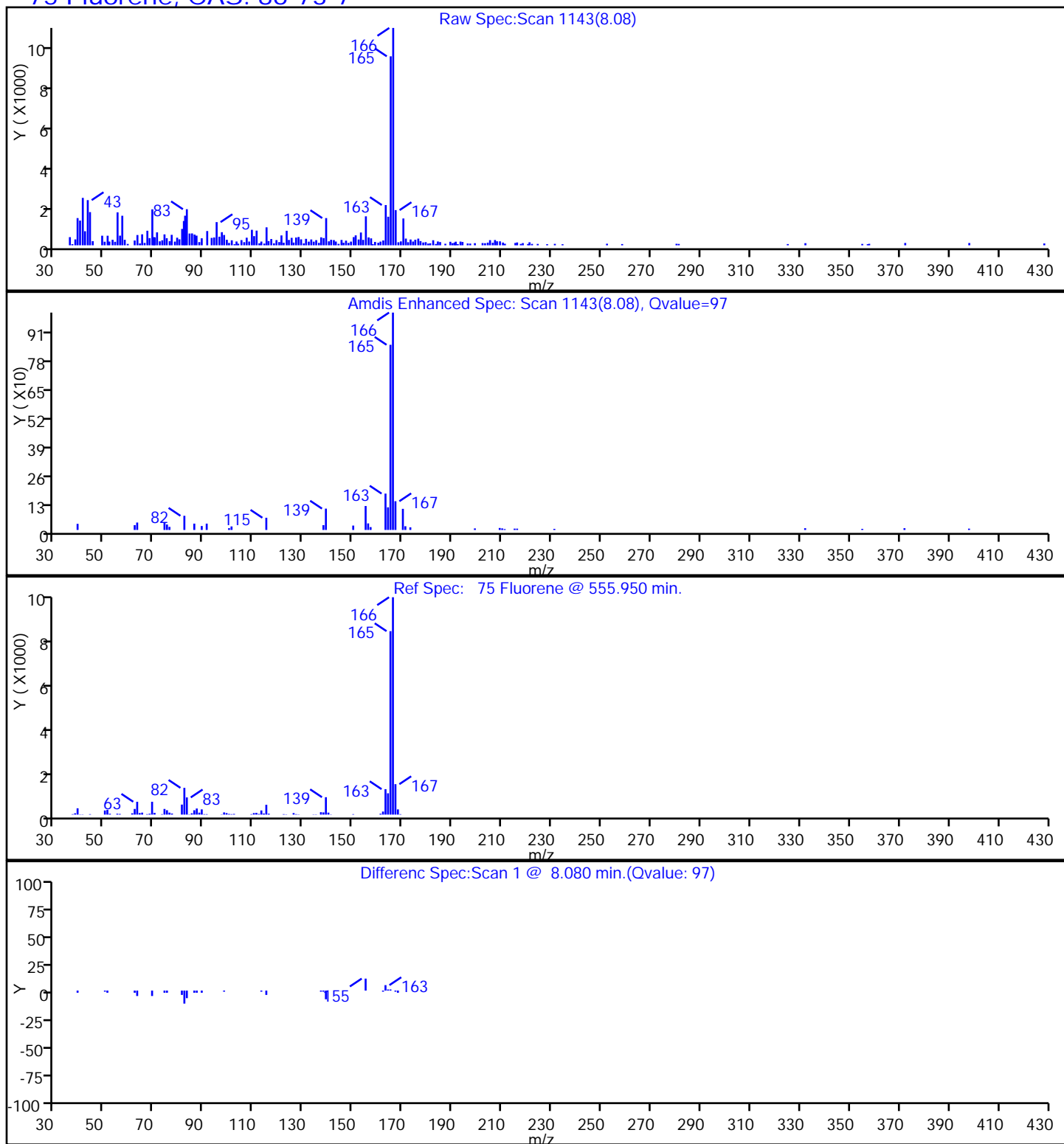
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

75 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

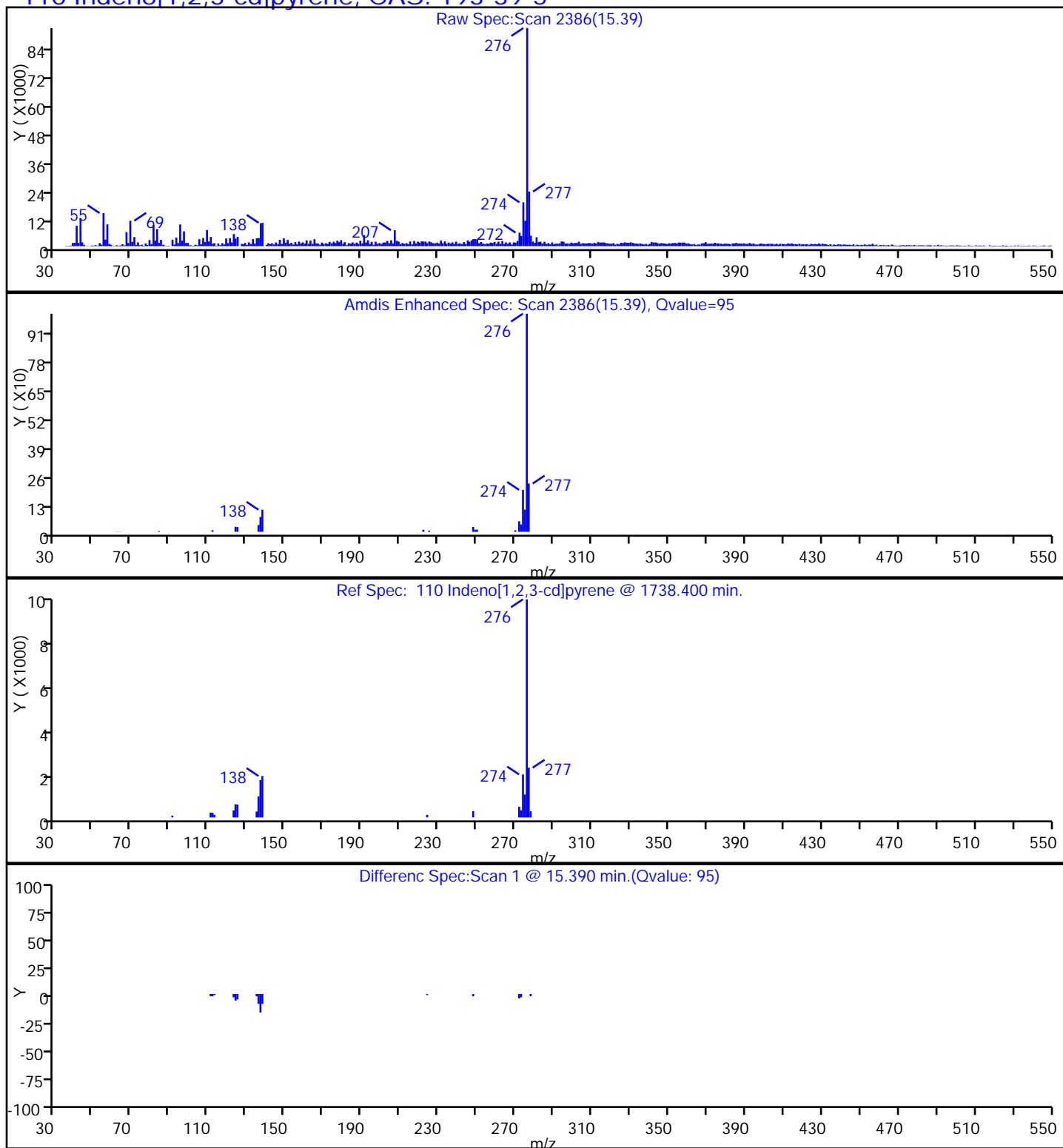
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#:

Worklist Smp#: 30

Injection Vol: 1.0 ul

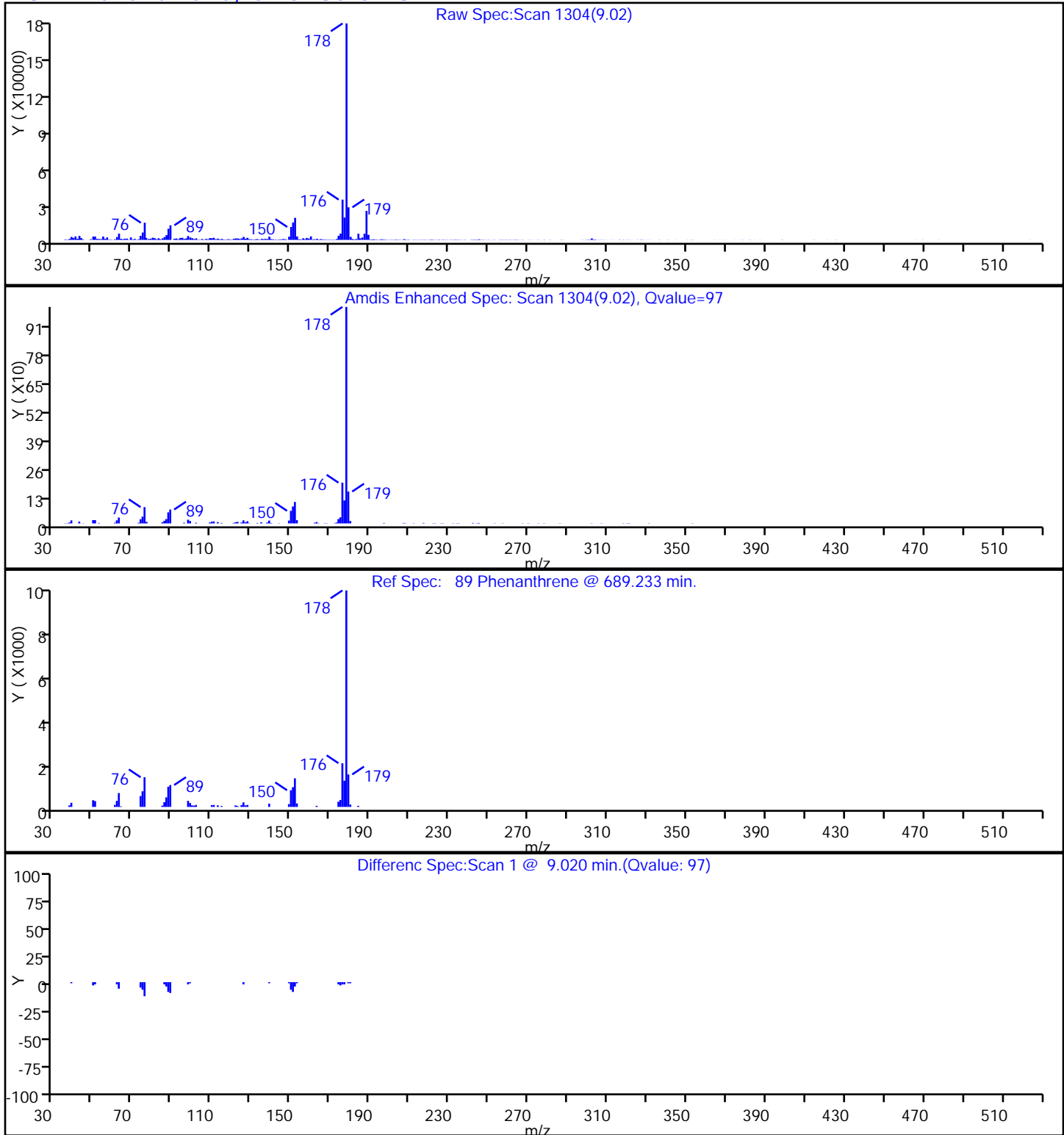
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12744.D

Injection Date: 12-Apr-2016 15:42:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-C

Lab Sample ID: 460-111496-3

Client ID: D3

Operator ID:

ALS Bottle#: 30 Worklist Smp#: 30

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

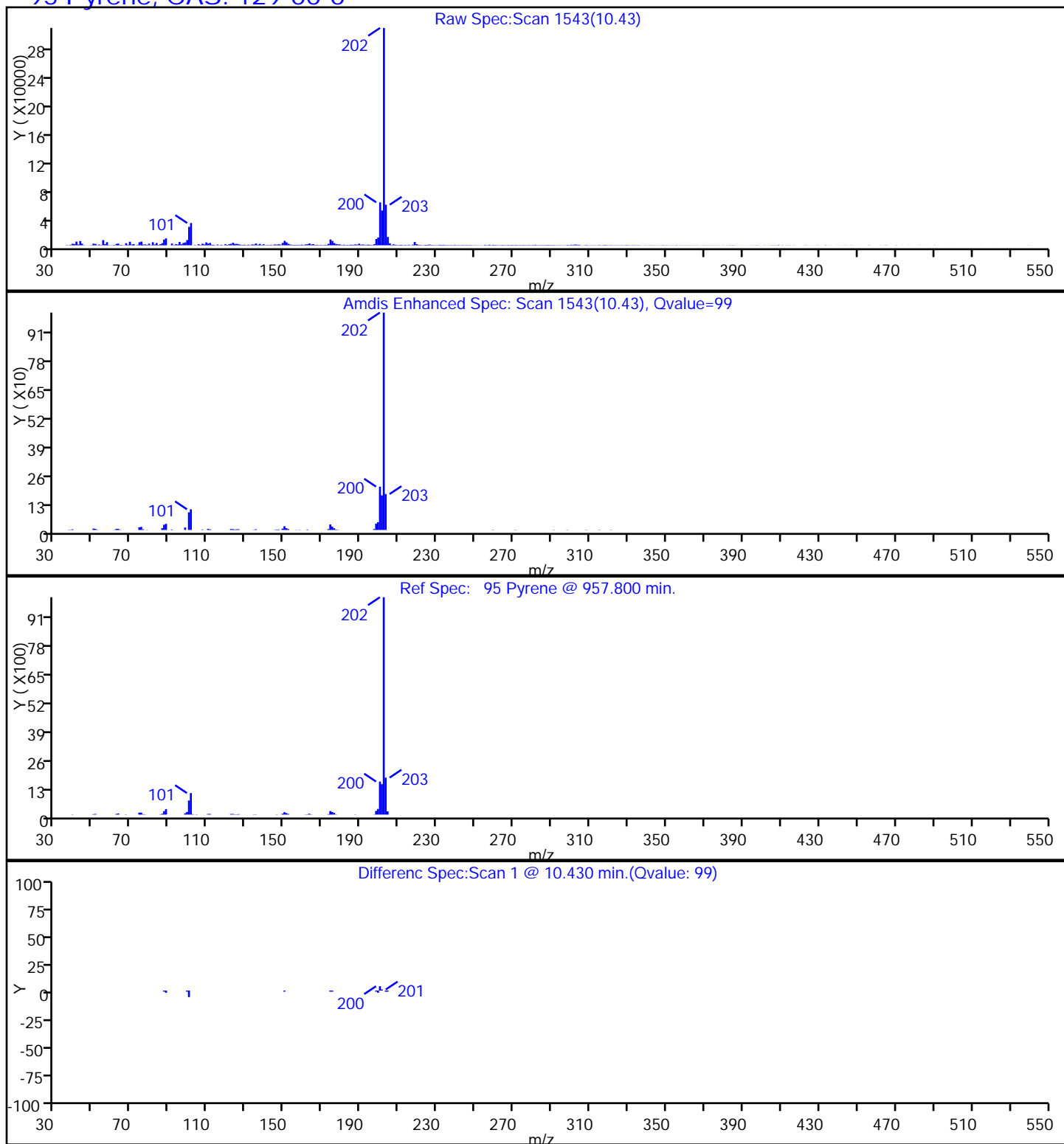
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>FD-Y</u>	Lab Sample ID: <u>460-111496-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12735.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 00:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0224(g)</u>	Date Analyzed: <u>04/12/2016 12:02</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>8.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	360	U	360	31
95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	360	27
108-60-1	2,2'-oxybis[1-chloropropane]	360	U	360	15
58-90-2	2,3,4,6-Tetrachlorophenol	360	U	360	34
95-95-4	2,4,5-Trichlorophenol	360	U	360	36
88-06-2	2,4,6-Trichlorophenol	150	U	150	10
120-83-2	2,4-Dichlorophenol	150	U	150	8.5
105-67-9	2,4-Dimethylphenol	360	U	360	79
51-28-5	2,4-Dinitrophenol	290	U	290	270
121-14-2	2,4-Dinitrotoluene	73	U	73	14
606-20-2	2,6-Dinitrotoluene	73	U	73	19
91-58-7	2-Chloronaphthalene	360	U	360	8.2
95-57-8	2-Chlorophenol	360	U	360	9.2
91-57-6	2-Methylnaphthalene	360	U	360	8.0
95-48-7	2-Methylphenol	360	U	360	16
88-74-4	2-Nitroaniline	360	U	360	12
88-75-5	2-Nitrophenol	360	U	360	12
91-94-1	3,3'-Dichlorobenzidine	150	U	150	40
99-09-2	3-Nitroaniline	360	U	360	11
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	96
101-55-3	4-Bromophenyl phenyl ether	360	U	360	11
59-50-7	4-Chloro-3-methylphenol	360	U	360	16
106-47-8	4-Chloroaniline	360	U	360	9.3
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	11
106-44-5	4-Methylphenol	360	U	360	9.8
100-01-6	4-Nitroaniline	360	U	360	14
100-02-7	4-Nitrophenol	730	U	730	170
83-32-9	Acenaphthene	360	U	360	8.7
208-96-8	Acenaphthylene	12	J	360	9.3
98-86-2	Acetophenone	360	U	360	7.9
120-12-7	Anthracene	360	U	360	34
1912-24-9	Atrazine	150	U	150	16
100-52-7	Benzaldehyde	360	U	360	28
56-55-3	Benzo[a]anthracene	140		36	30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>FD-Y</u>	Lab Sample ID: <u>460-111496-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12735.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 00:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0224(g)</u>	Date Analyzed: <u>04/12/2016 12:02</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>8.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	160		36	11
205-99-2	Benzo[b]fluoranthene	210		36	14
191-24-2	Benzo[g,h,i]perylene	120	J	360	21
207-08-9	Benzo[k]fluoranthene	79		36	16
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	11
111-44-4	Bis(2-chloroethyl)ether	36	U	36	8.5
117-81-7	Bis(2-ethylhexyl) phthalate	360	U	360	14
85-68-7	Butyl benzyl phthalate	360	U	360	11
105-60-2	Caprolactam	360	U	360	26
86-74-8	Carbazole	17	J	360	9.0
218-01-9	Chrysene	180	J	360	9.8
53-70-3	Dibenz(a,h)anthracene	35	J	36	19
132-64-9	Dibenzofuran	360	U	360	11
84-66-2	Diethyl phthalate	360	U	360	10
131-11-3	Dimethyl phthalate	360	U	360	10
84-74-2	Di-n-butyl phthalate	360	U	360	11
117-84-0	Di-n-octyl phthalate	360	U	360	18
206-44-0	Fluoranthene	300	J	360	11
86-73-7	Fluorene	360	U	360	7.9
118-74-1	Hexachlorobenzene	36	U	36	15
87-68-3	Hexachlorobutadiene	73	U	73	10
77-47-4	Hexachlorocyclopentadiene	360	U	360	22
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	170		36	24
78-59-1	Isophorone	150	U	150	7.8
91-20-3	Naphthalene	360	U	360	9.2
98-95-3	Nitrobenzene	36	U	36	11
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	12
86-30-6	N-Nitrosodiphenylamine	360	U	360	33
87-86-5	Pentachlorophenol	290	U	290	44
85-01-8	Phenanthrene	150	J	360	9.6
108-95-2	Phenol	360	U	360	12
129-00-0	Pyrene	230	J	360	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>FD-Y</u>	Lab Sample ID: <u>460-111496-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12735.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 00:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0224(g)</u>	Date Analyzed: <u>04/12/2016 12:02</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>8.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	48		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)	63		28-92
4165-62-2	Phenol-d5 (Surr)	60		22-88
1718-51-0	Terphenyl-d14 (Surr)	63		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D
 Lims ID: 460-111496-A-4-A Lab Sample ID: 460-111496-4
 Client ID: FD-Y
 Sample Type: Client
 Inject. Date: 12-Apr-2016 12:02:30 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039742-021
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 12:58:47 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 12-Apr-2016 12:58:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.254	3.218	0.036	95	1402486	28.7	
\$ 6 Phenol-d5	99	4.124	4.142	-0.018	87	1676419	30.1	
* 14 1,4-Dichlorobenzene-d4	152	4.500	4.506	-0.006	97	1346670	40.0	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	92	1489560	31.6	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	4484231	40.0	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	3007008	32.8	
61 Acenaphthylene	152	7.394	7.400	-0.006	98	15229	0.1612	
* 65 Acenaphthene-d10	164	7.536	7.535	0.001	91	2161380	40.0	
67 Acenaphthene	154	7.565	7.577	-0.012	11	5446	0.0868	7
\$ 80 2,4,6-Tribromophenol	330	8.312	8.324	-0.012	90	423411	23.8	
* 88 Phenanthrene-d10	188	9.000	9.000	0.000	97	2526047	40.0	
89 Phenanthrene	178	9.024	9.030	-0.006	96	142052	2.01	
90 Anthracene	178	9.071	9.083	-0.012	99	22241	0.3119	
91 Carbazole	167	9.230	9.235	-0.005	97	12527	0.2381	
93 Fluoranthene	202	10.194	10.200	-0.006	99	248856	4.06	
95 Pyrene	202	10.430	10.429	0.001	98	219337	3.10	
\$ 96 Terphenyl-d14	244	10.588	10.588	0.000	98	1800730	31.6	
101 Benzo[a]anthracene	228	11.800	11.800	0.000	97	100137	1.89	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1834589	40.0	
103 Chrysene	228	11.847	11.853	-0.006	99	117895	2.46	
106 Benzo[b]fluoranthene	252	13.247	13.247	0.000	97	180934	2.93	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	1	72248	1.09	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	120662	2.17	
* 109 Perylene-d12	264	13.788	13.782	0.006	98	2348809	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.376	15.382	-0.006	95	111217	2.35	
111 Dibenzo(a,h)anthracene	278	15.406	15.417	-0.011	94	25174	0.4841	
112 Benzo[g,h,i]perylene	276	15.823	15.835	-0.012	95	95915	1.65	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

[Reagents:](#)

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160412-39742.b\\x12735.D

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

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Worklist Smp#: 21

Client ID: FD-Y

Injection Vol: 1.0 ul

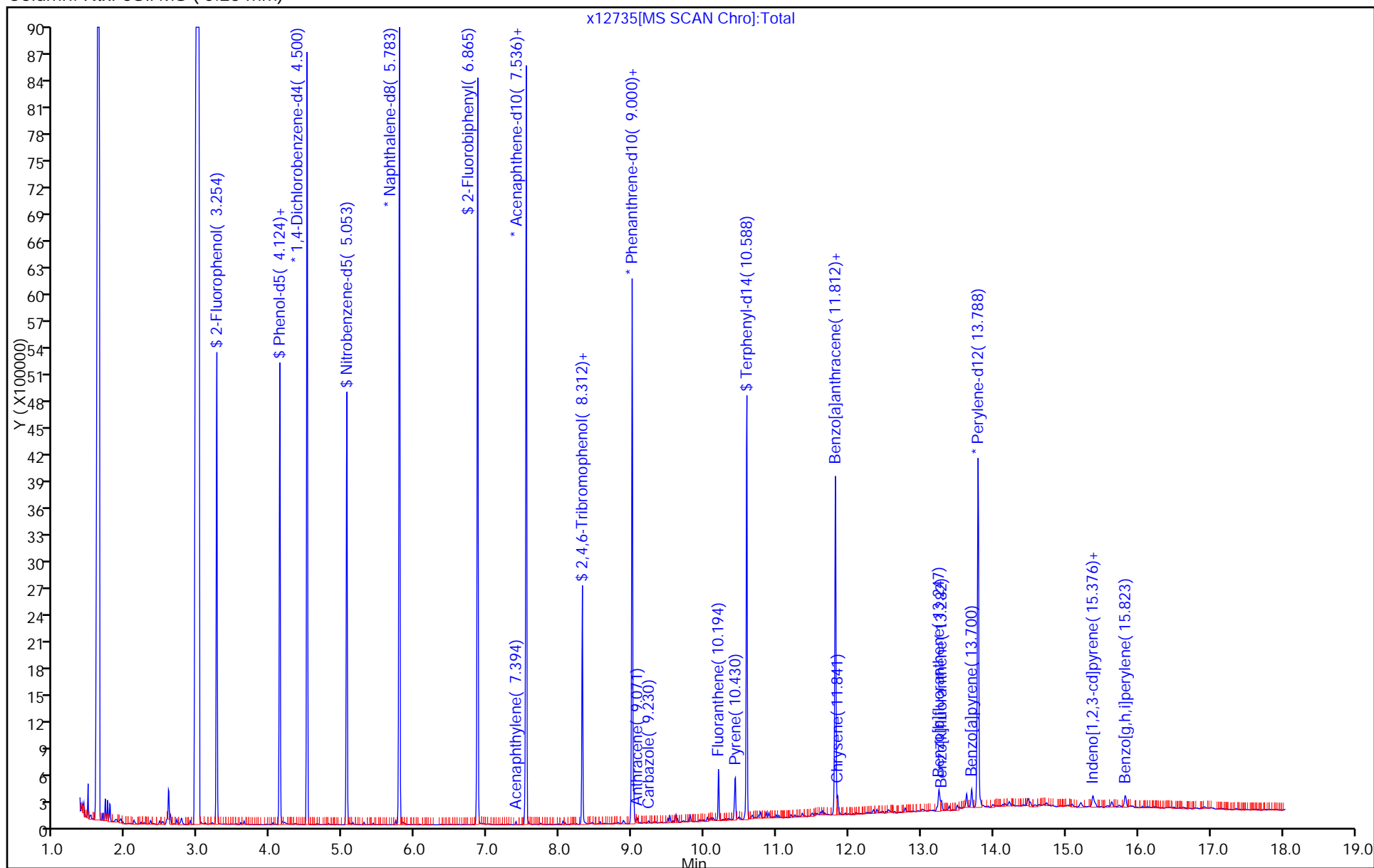
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

Worklist Smp#: 21

Injection Vol: 1.0 ul

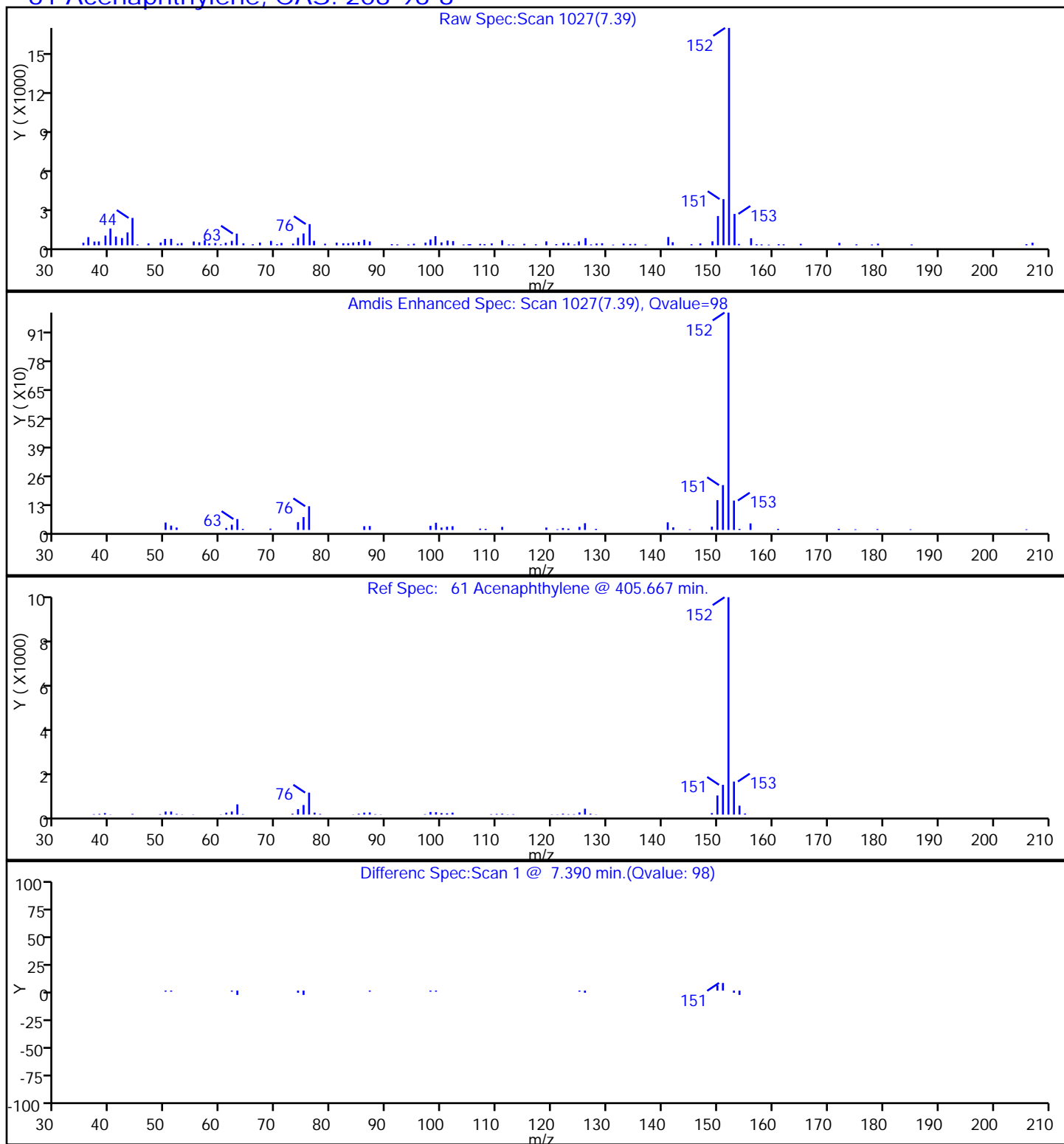
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

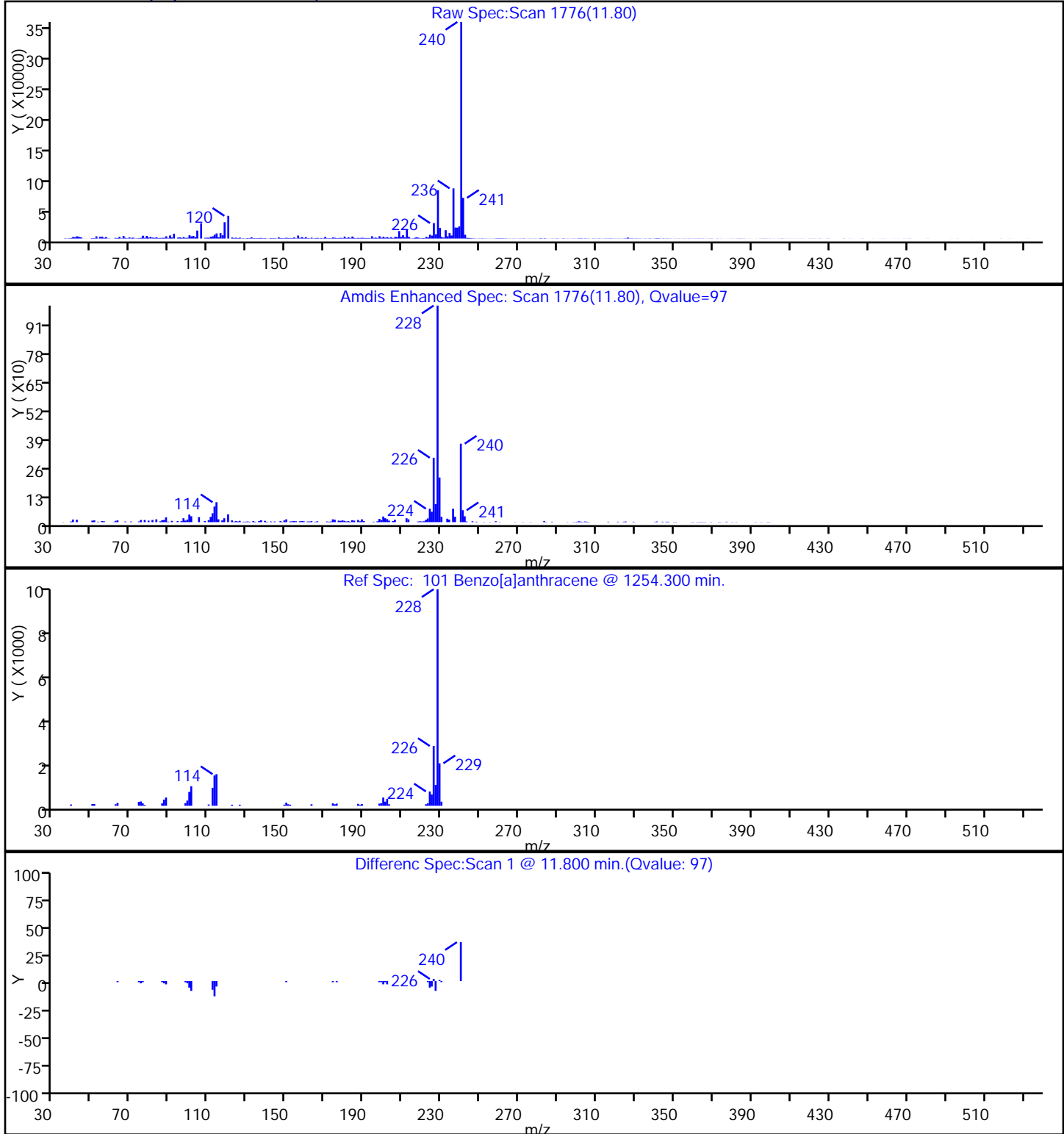
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

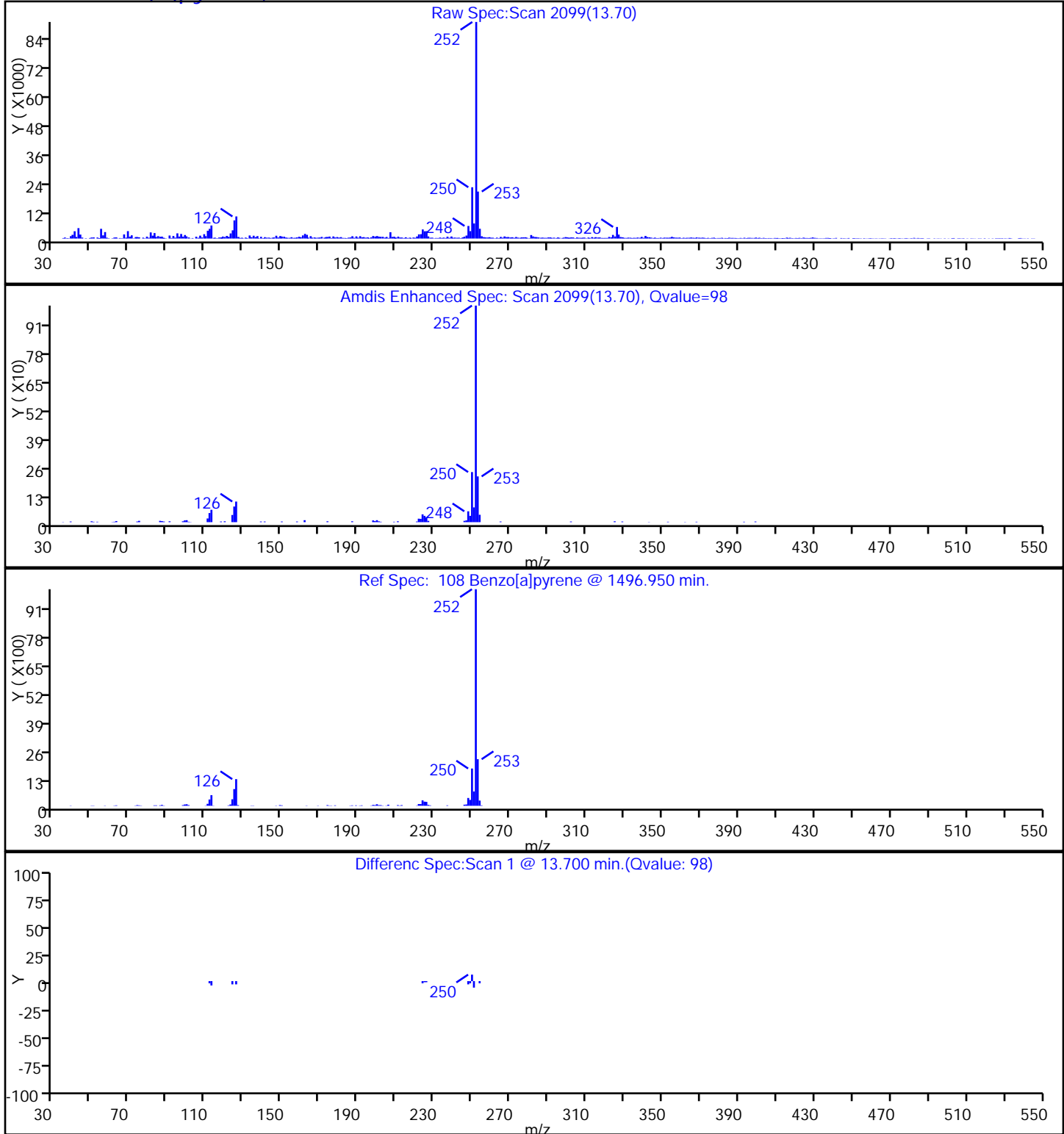
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

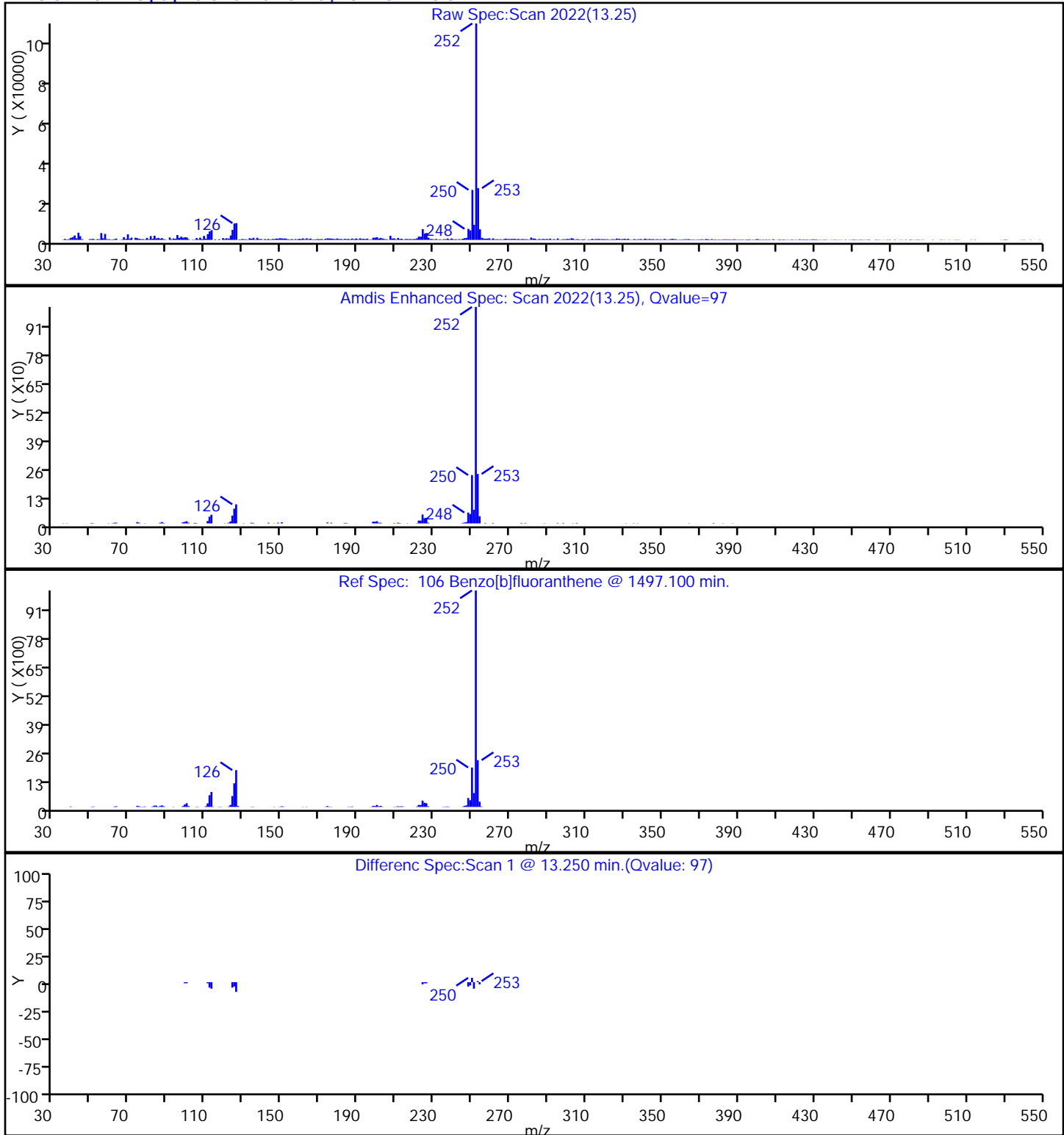
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

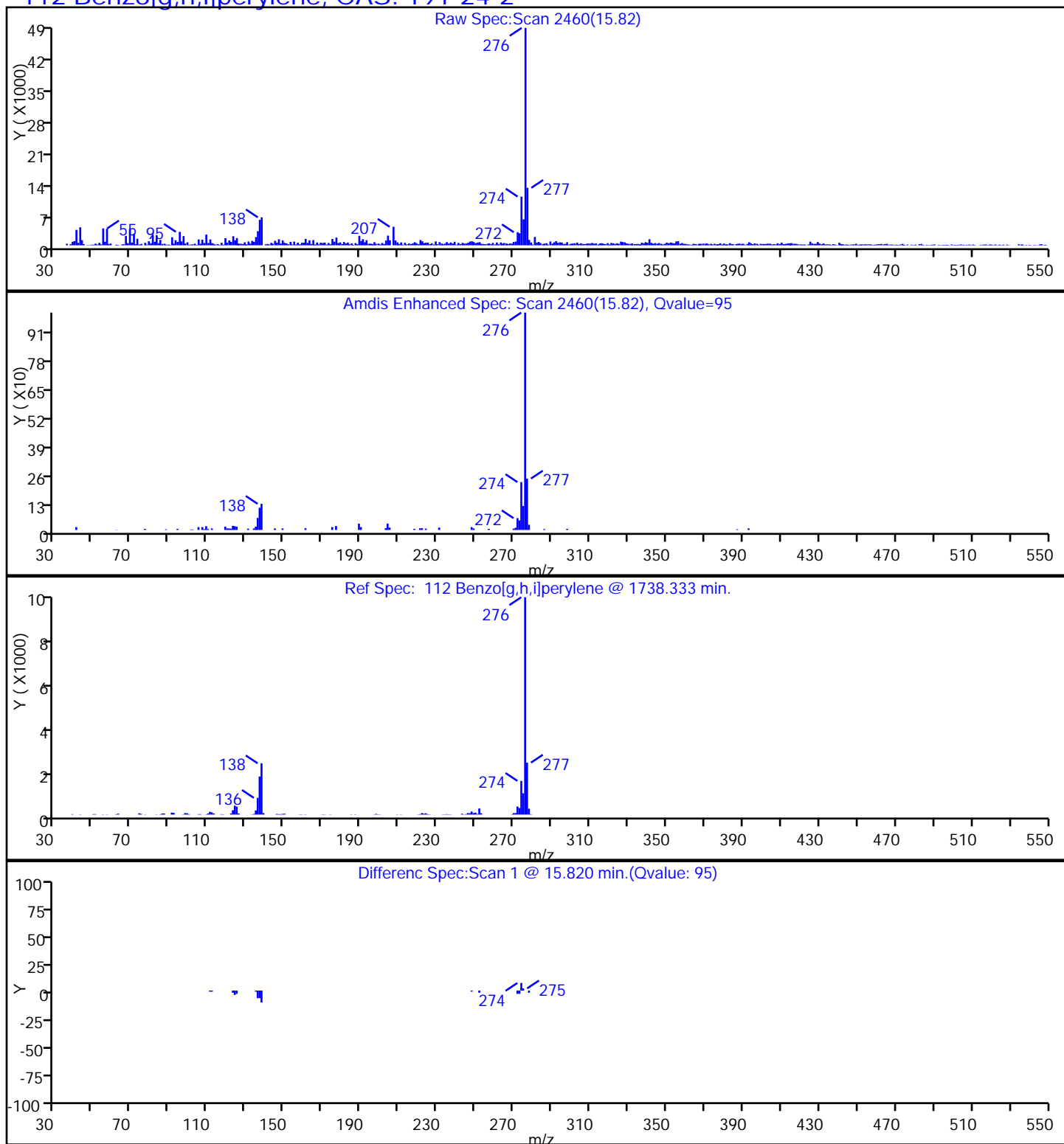
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

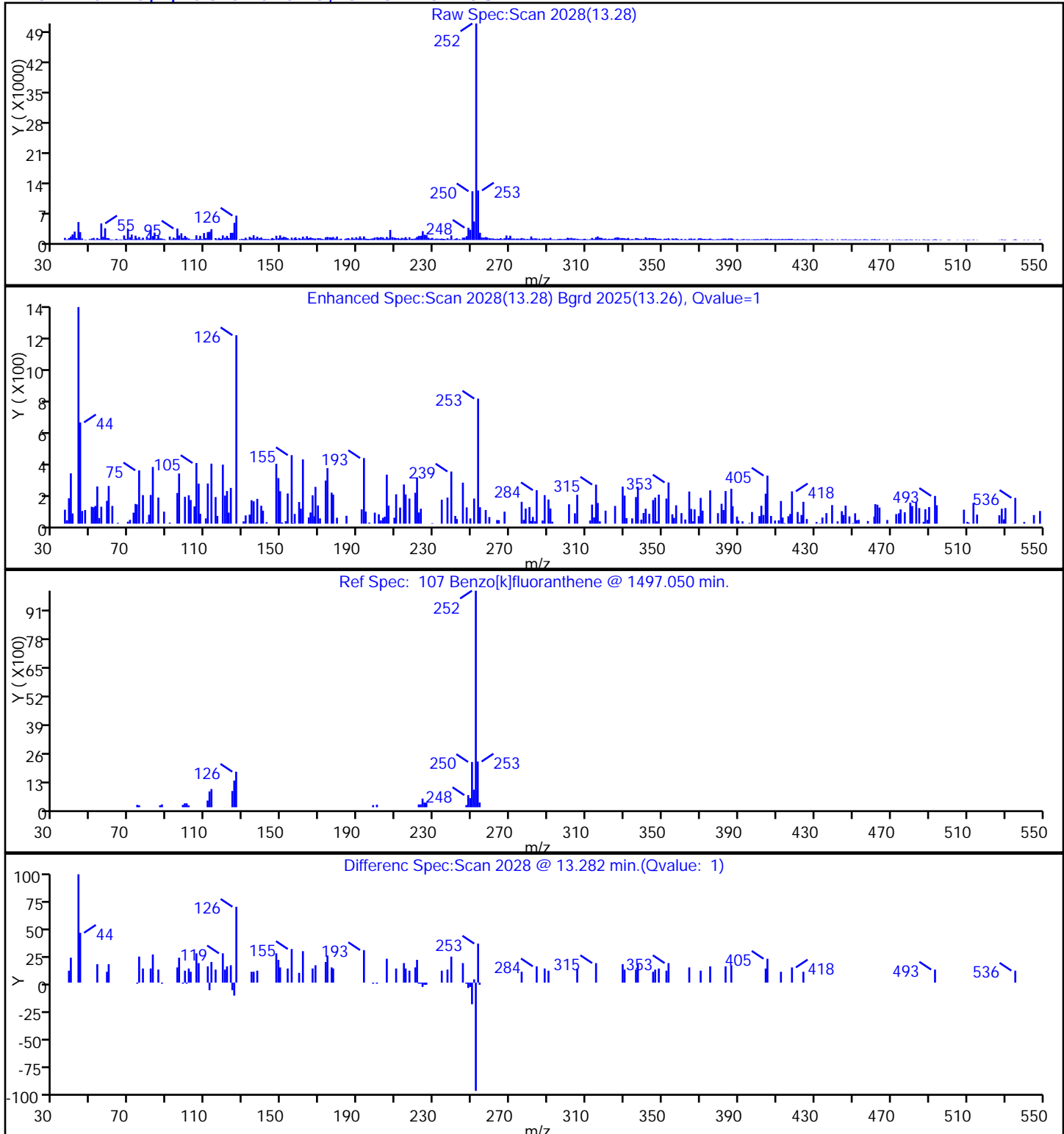
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

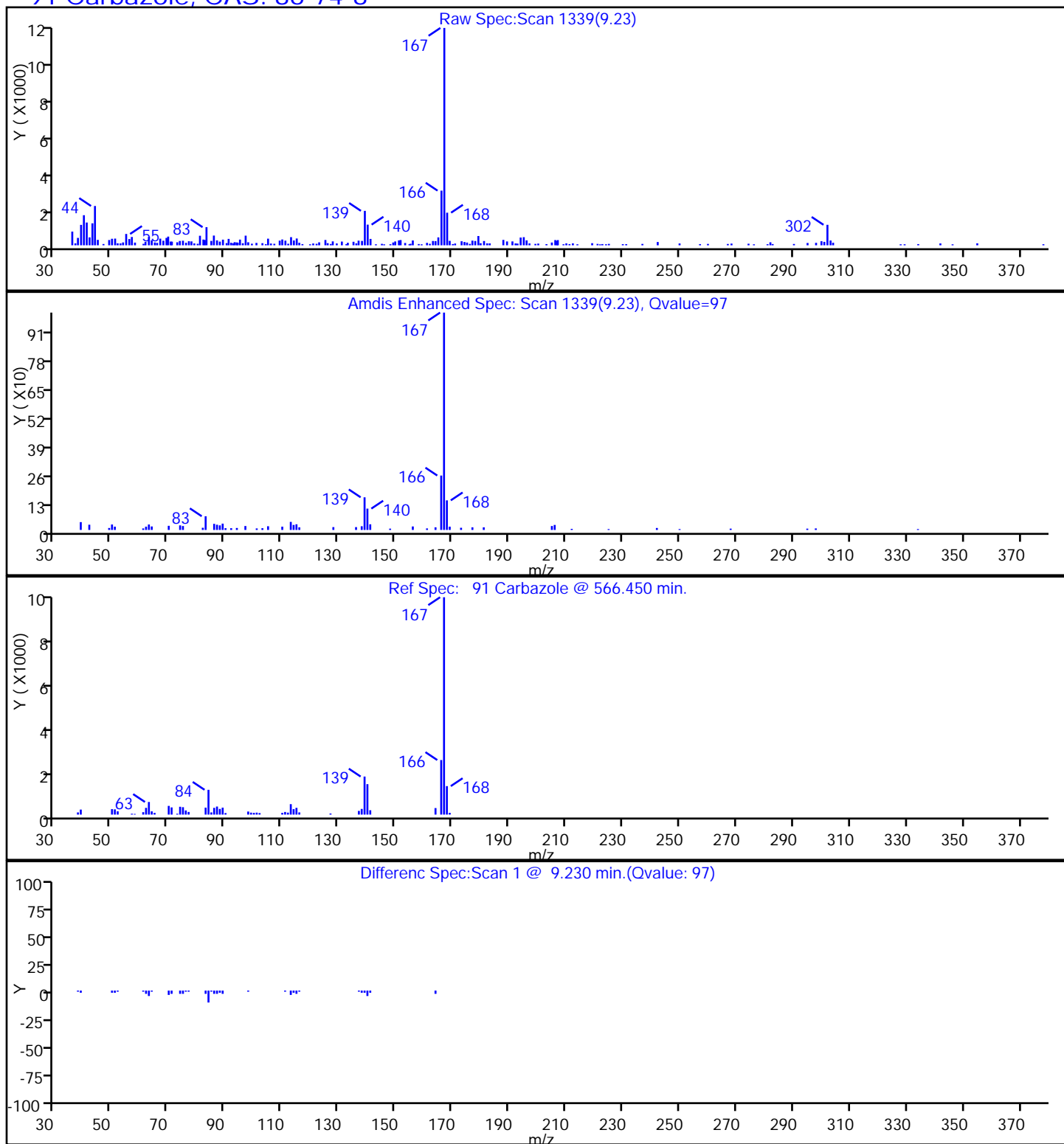
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

91 Carbazole, CAS: 86-74-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

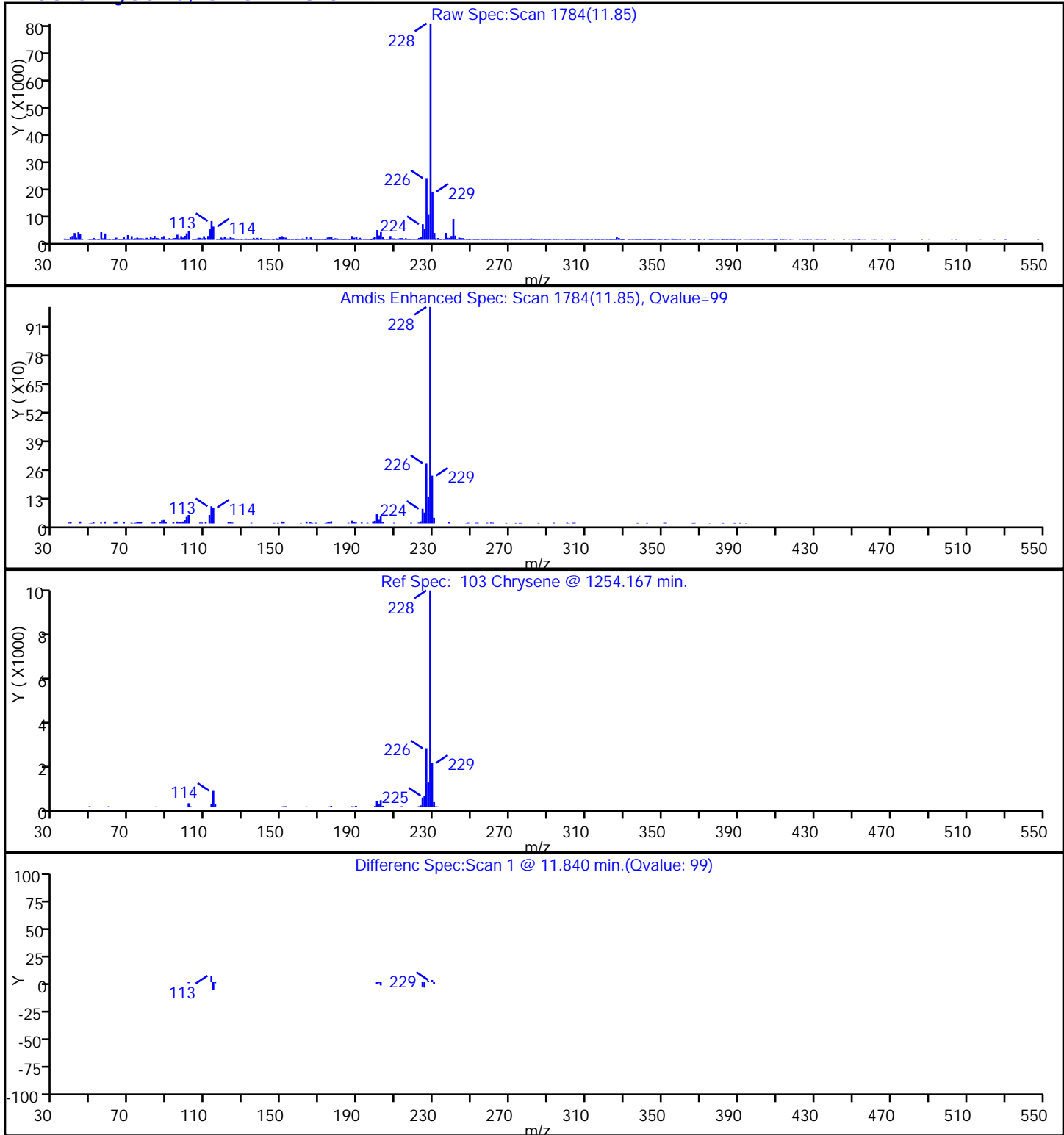
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

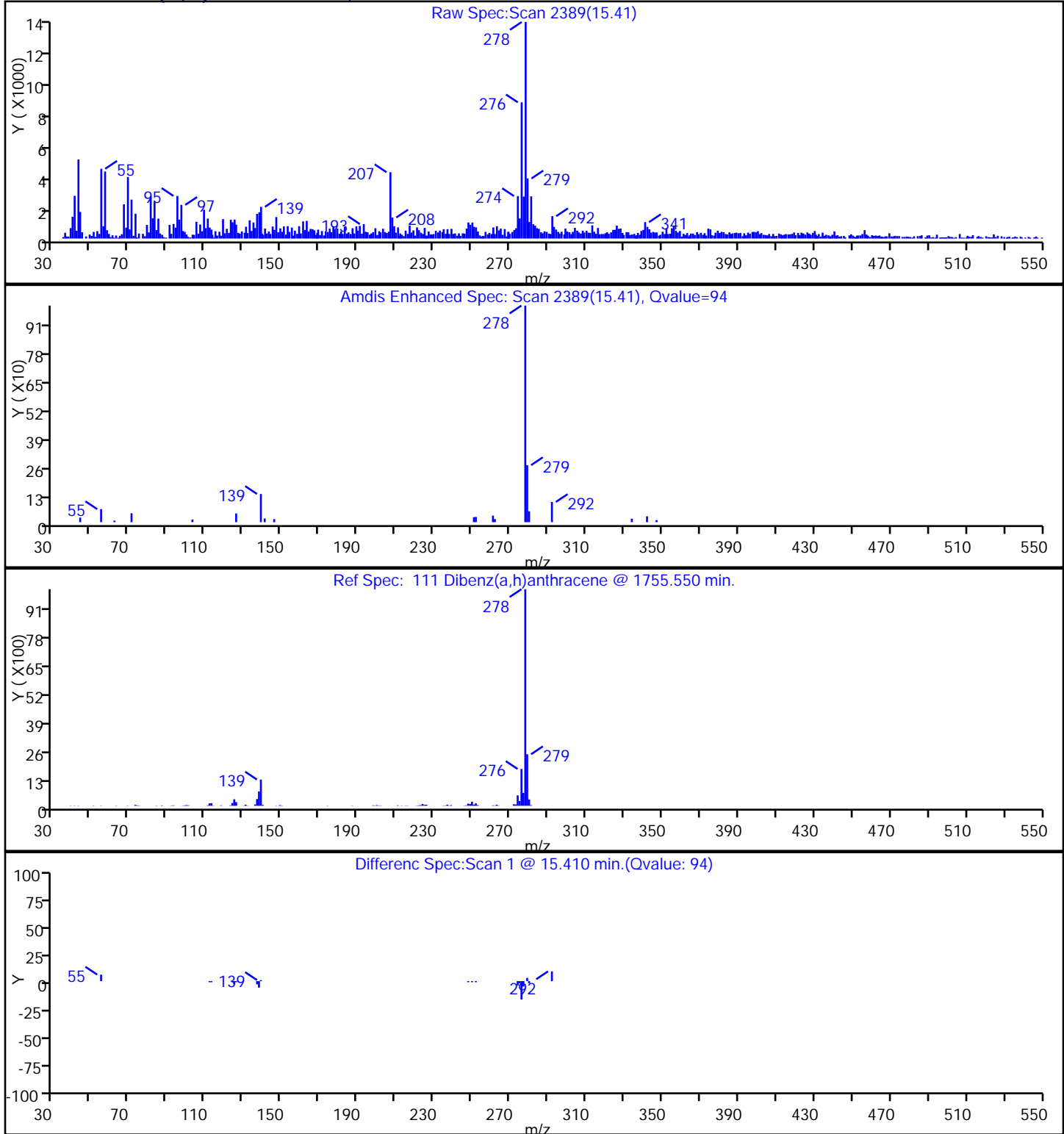
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

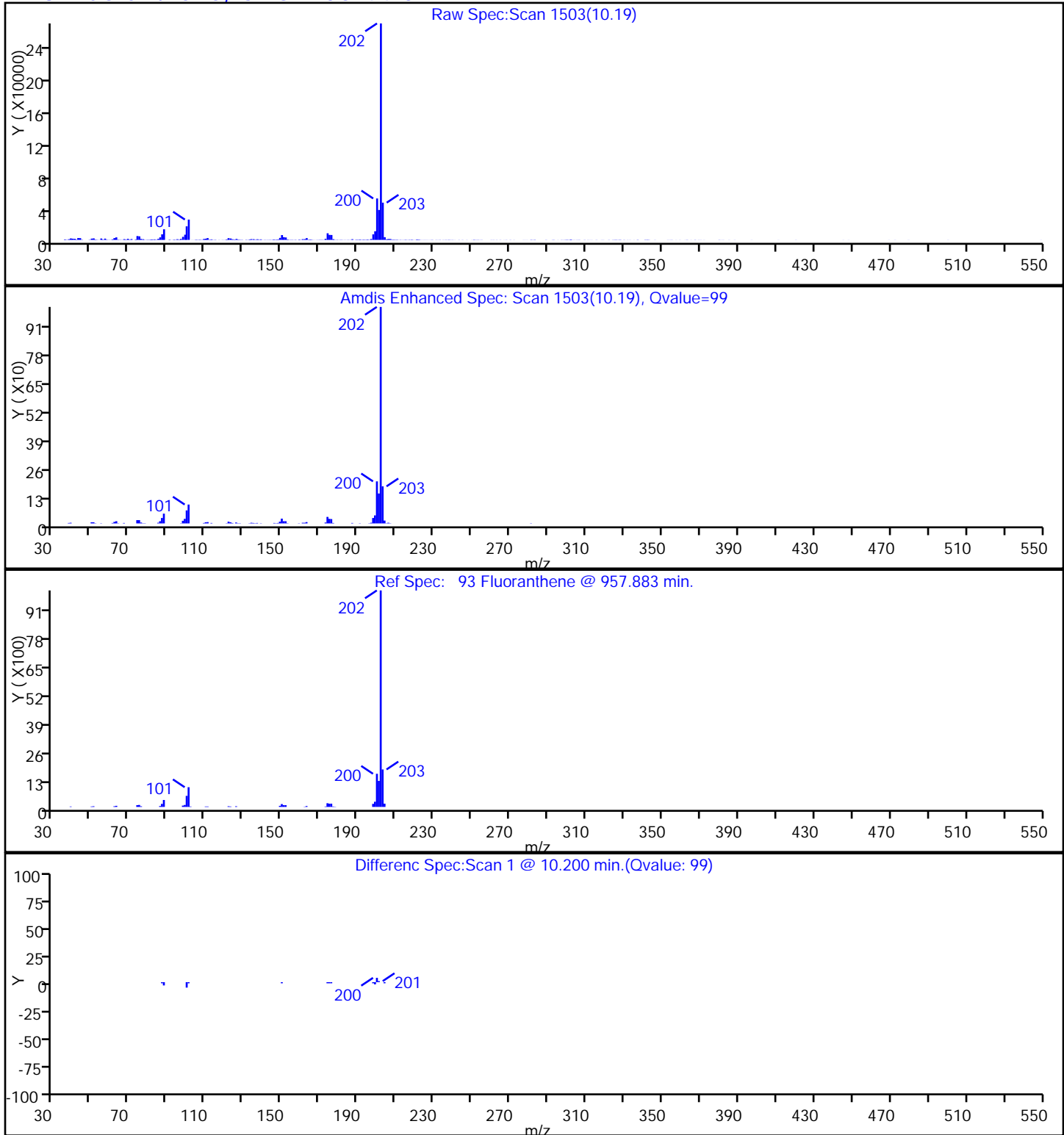
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

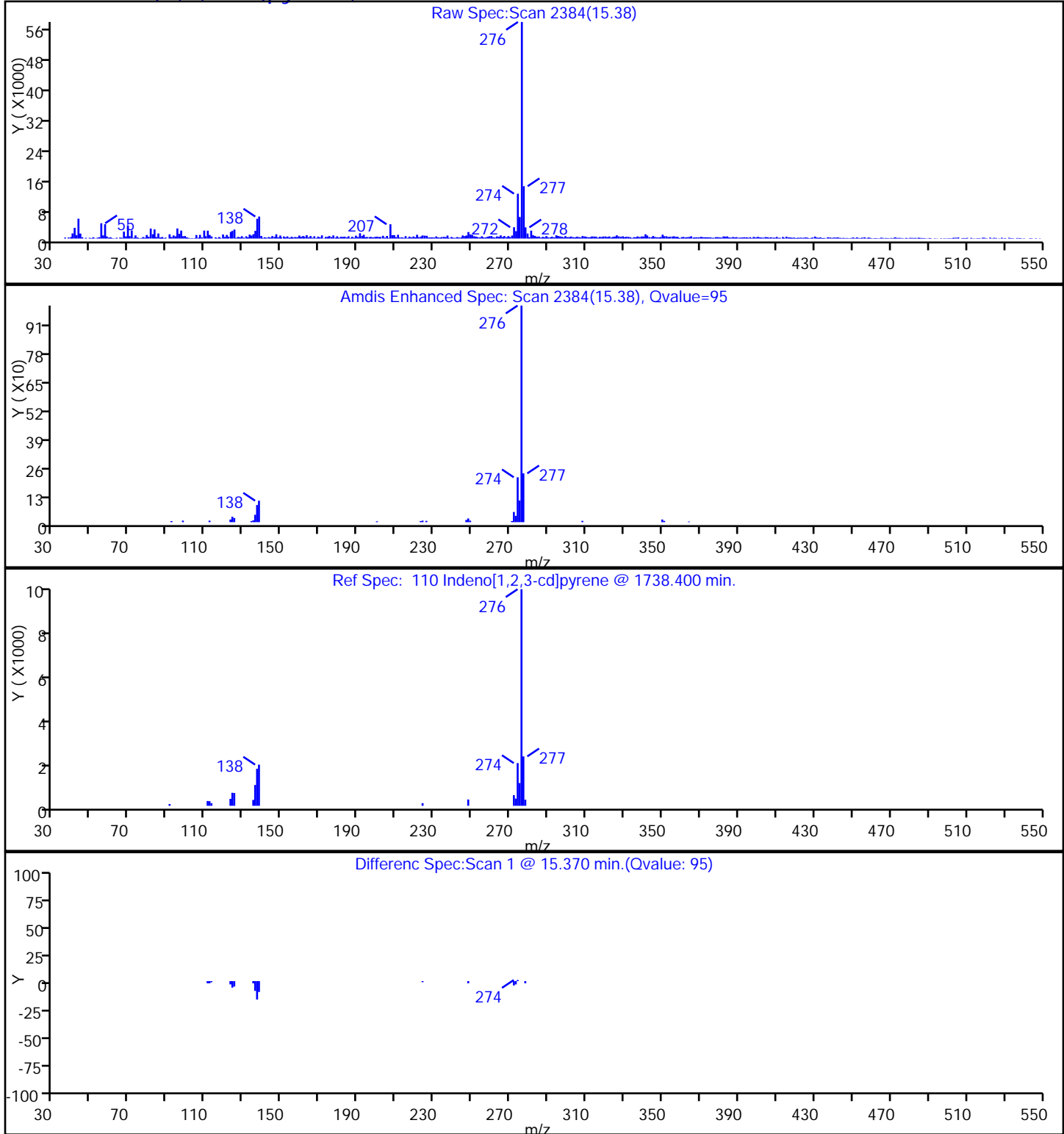
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

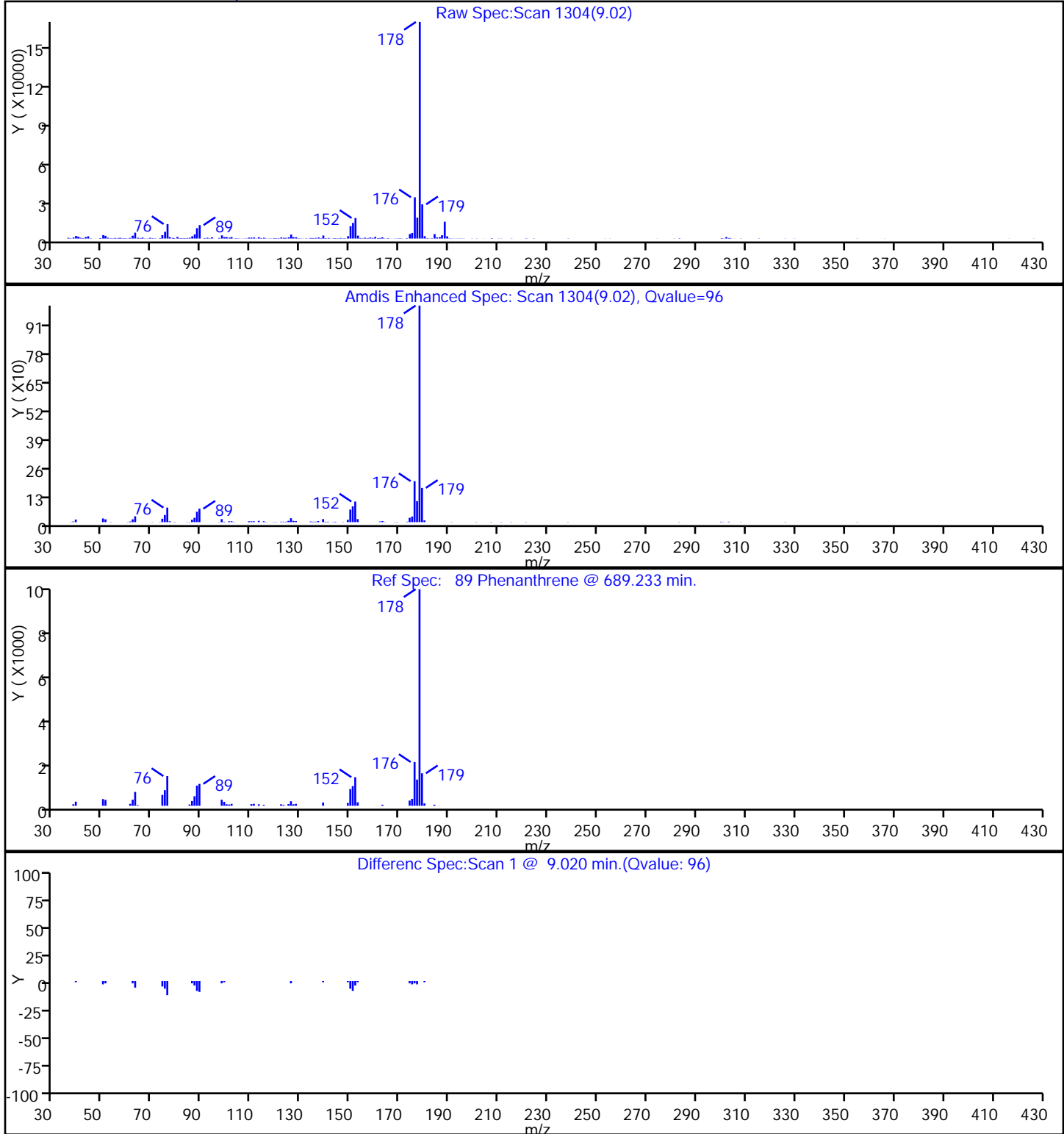
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12735.D

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

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-4-A

Lab Sample ID: 460-111496-4

Client ID: FD-Y

Operator ID:

ALS Bottle#:

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

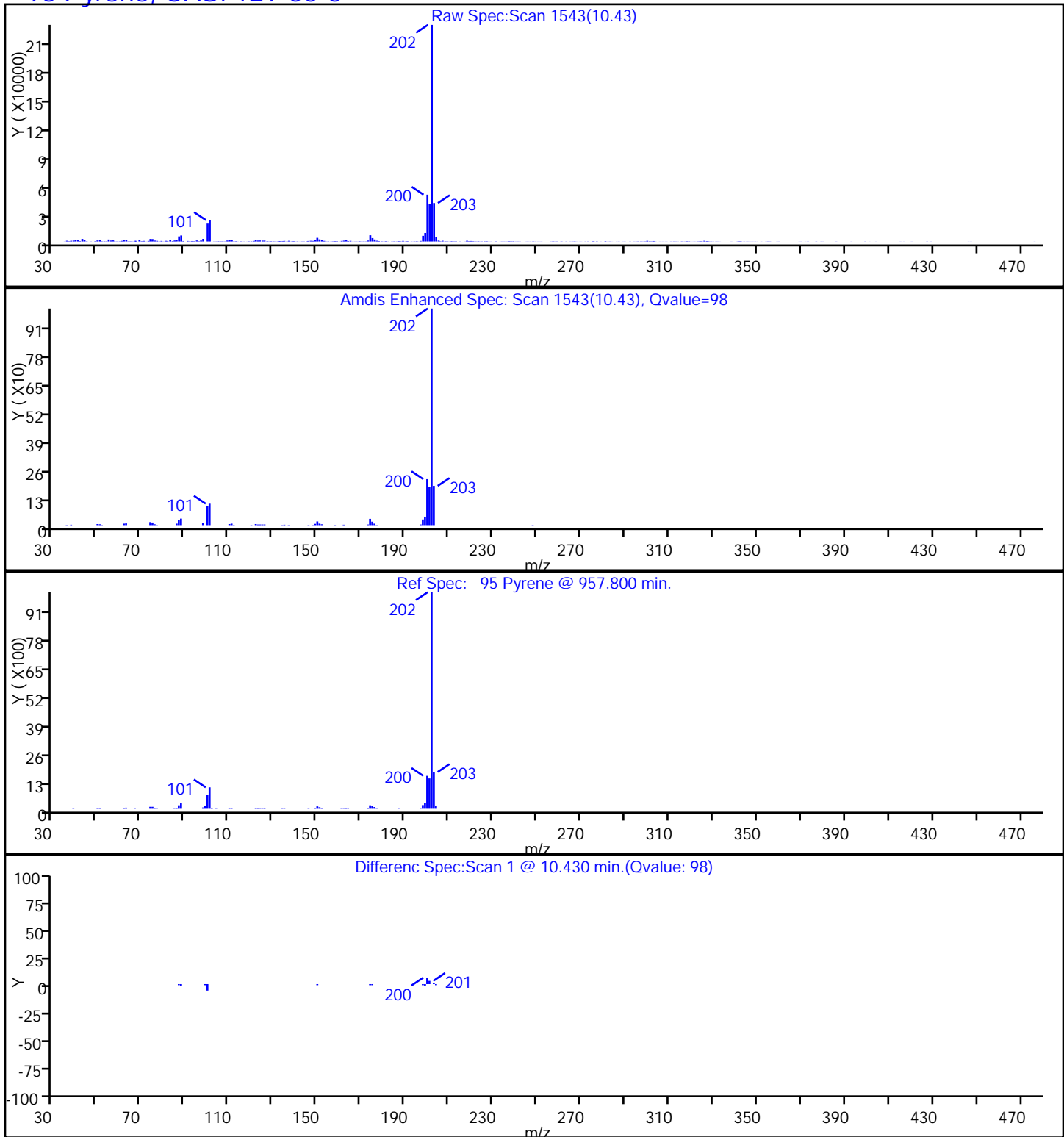
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 359292

SDG No.: _____

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

Calibration Start Date: 03/29/2016 06:48 Calibration End Date: 03/29/2016 09:25 Calibration ID: 55091

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-359292/17	L132077.D
Level 2	STD5 460-359292/16	L132076.D
Level 3	STD010 460-359292/15	L132075.D
Level 4	STD020 460-359292/14	L132074.D
Level 5	STD50 460-359292/11	L132071.D
Level 6	STD080 460-359292/13	L132073.D
Level 7	STD120 460-359292/12	L132072.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	1.1331	1.1479 1.1552	1.1115	1.2119	1.2256	Ave		1.1642			0.0100	3.9		20.0			
Caprolactam	0.0781	0.0667 0.0798	0.0696	0.0764	0.0811	Ave		0.0753			0.0100	7.7		20.0			
Atrazine	0.1927 0.2040	0.1922 0.2009	0.1921	0.2156	0.2179	Ave		0.2022			0.0100	5.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 359292

SDG No.: _____

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

Calibration Start Date: 03/29/2016 06:48 Calibration End Date: 03/29/2016 09:25 Calibration ID: 55091

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-359292/17	L132077.D
Level 2	STD5 460-359292/16	L132076.D
Level 3	STD010 460-359292/15	L132075.D
Level 4	STD020 460-359292/14	L132074.D
Level 5	STD50 460-359292/11	L132071.D
Level 6	STD080 460-359292/13	L132073.D
Level 7	STD120 460-359292/12	L132072.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	343762	22071 534653	37504	97356	220052	80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	86051	4726 132413	8387	22192	53264	80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	3382 160229	9826 234545	16310	44097	98941	2.00 80.0	5.00 120	10.0	20.0	50.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132071.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 29-Mar-2016 06:48:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-011
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:41:07 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: szczecha

Date: 29-Mar-2016 09:57:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.134	4.134	0.000	93	220052	50.0	52.6	
* 13 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	97	143634	40.0	40.0	
* 36 Naphthalene-d8	136	5.851	5.851	0.000	99	525354	40.0	40.0	
40 Caprolactam	113	6.245	6.245	0.000	86	53264	50.0	53.9	
* 63 Acenaphthene-d10	164	7.610	7.610	0.000	92	255321	40.0	40.0	
82 Atrazine	200	8.786	8.786	0.000	89	98941	50.0	53.9	
* 85 Phenanthrene-d10	188	9.075	9.075	0.000	99	363289	40.0	40.0	
* 100 Chrysene-d12	240	11.904	11.904	0.000	99	254880	40.0	40.0	
* 107 Perylene-d12	264	13.886	13.886	0.000	96	219699	40.0	40.0	

Reagents:

SV_IC-S_L6_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160329-39121.b\\L132071.D

Injection Date: 29-Mar-2016 06:48:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

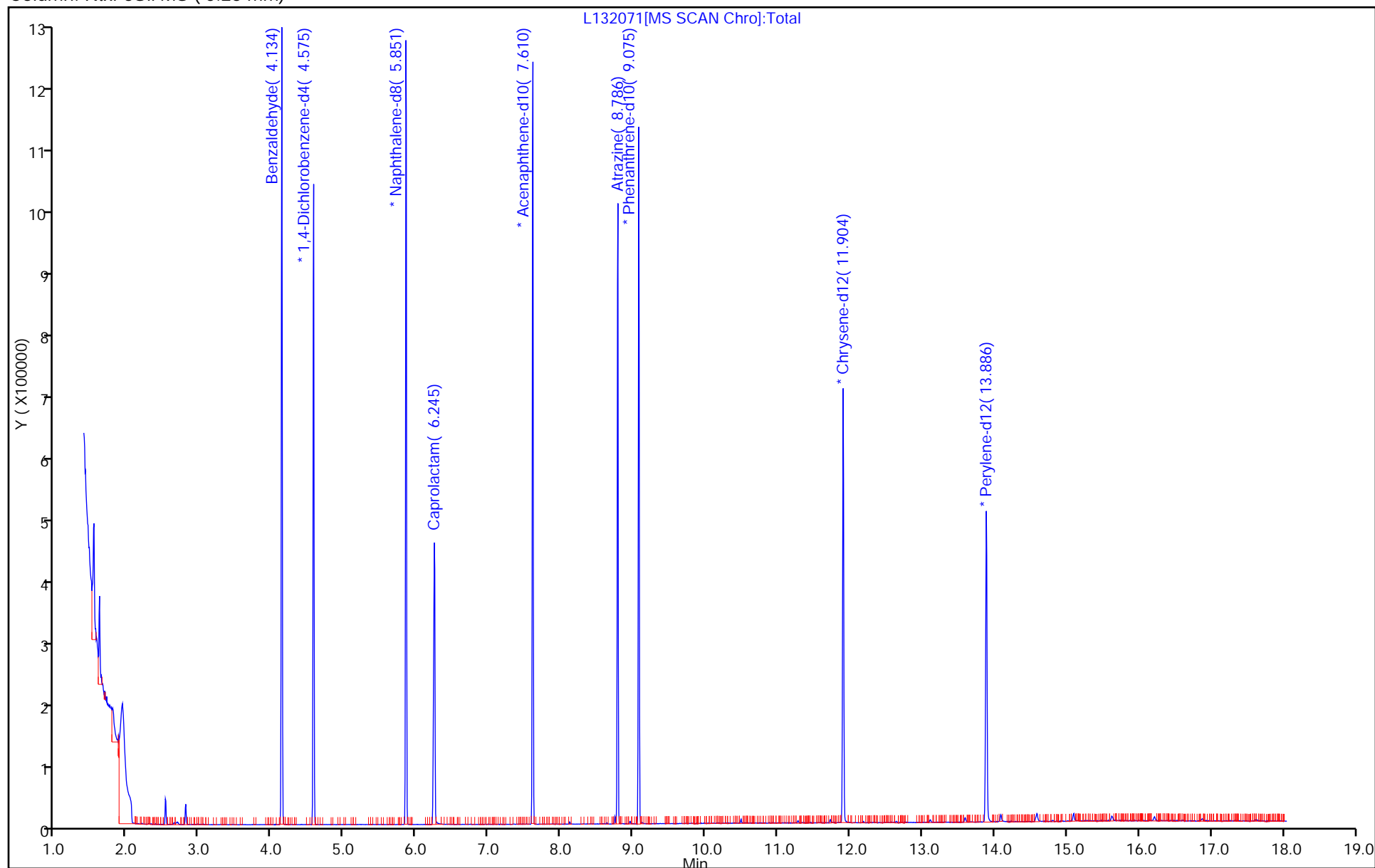
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132072.D
 Lims ID: STD120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 29-Mar-2016 07:15:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-012
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:41:10 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: szczecha

Date: 29-Mar-2016 09:57:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.140	4.134	0.006	92	534653	120.0	119.1	
* 13 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	97	154277	40.0	40.0	
* 36 Naphthalene-d8	136	5.851	5.851	0.000	99	553362	40.0	40.0	
40 Caprolactam	113	6.263	6.245	0.018	86	132413	120.0	127.1	
* 63 Acenaphthene-d10	164	7.610	7.610	0.000	96	250456	40.0	40.0	
82 Atrazine	200	8.792	8.786	0.006	88	234545	120.0	119.3	
* 85 Phenanthrene-d10	188	9.074	9.075	-0.001	99	389064	40.0	40.0	
* 100 Chrysene-d12	240	11.904	11.904	0.000	99	264962	40.0	40.0	
* 107 Perylene-d12	264	13.886	13.886	0.000	96	225662	40.0	40.0	

Reagents:

SV_IC-S_L8_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160329-39121.b\\L132072.D

Injection Date: 29-Mar-2016 07:15:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

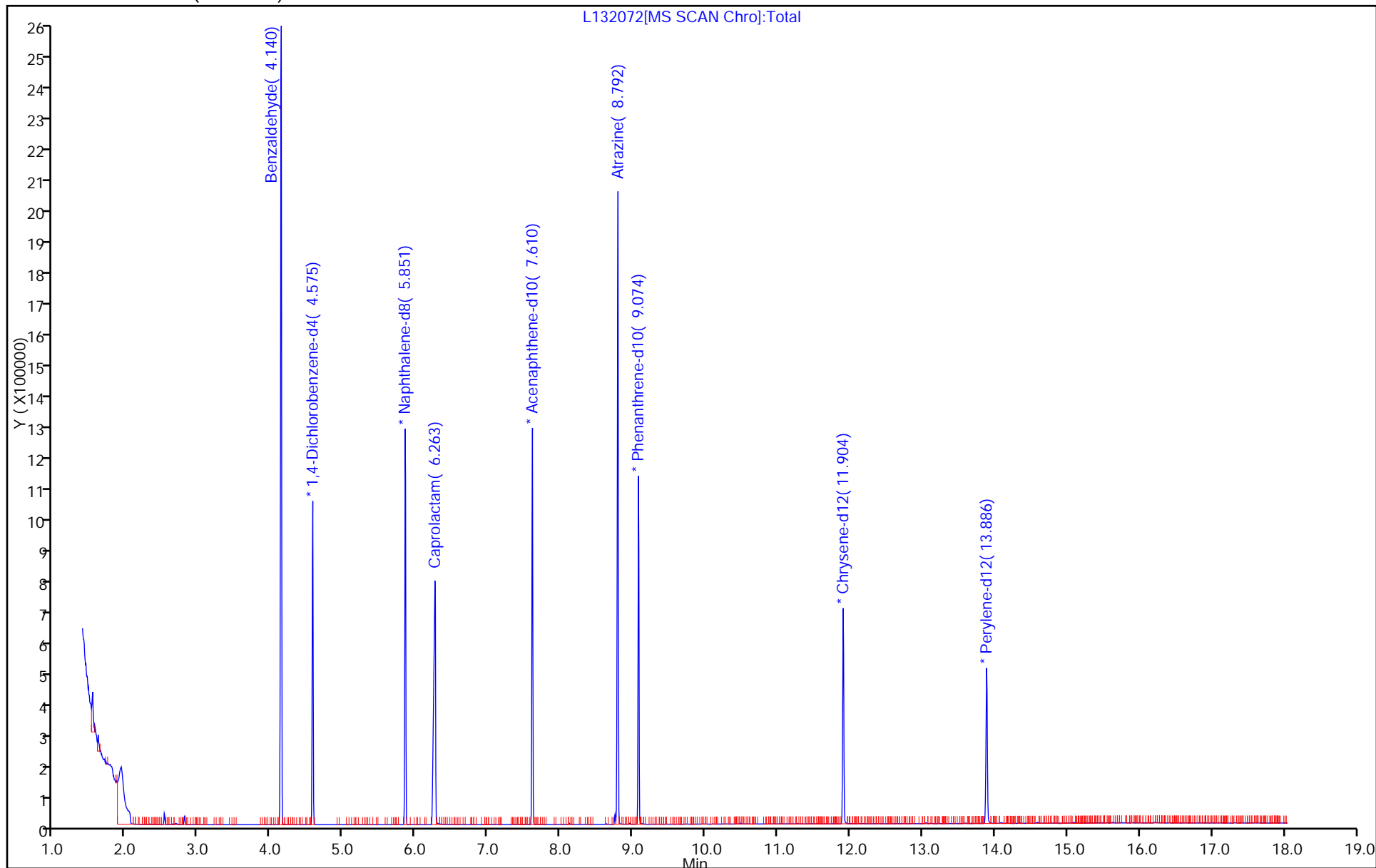
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132073.D
 Lims ID: STD080
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 29-Mar-2016 07:41:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-013
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:41:13 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: szczecha

Date: 29-Mar-2016 10:02:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.134	4.134	0.000	92	343762	80.0	77.9	
* 13 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	97	151697	40.0	40.0	
* 36 Naphthalene-d8	136	5.851	5.851	0.000	99	550787	40.0	40.0	
40 Caprolactam	113	6.257	6.245	0.012	86	86051	80.0	83.0	
* 63 Acenaphthene-d10	164	7.610	7.610	0.000	97	243860	40.0	40.0	
82 Atrazine	200	8.786	8.786	0.000	89	160229	80.0	80.7	
* 85 Phenanthrene-d10	188	9.075	9.075	0.000	99	392777	40.0	40.0	
* 100 Chrysene-d12	240	11.904	11.904	0.000	99	285988	40.0	40.0	
* 107 Perylene-d12	264	13.886	13.886	0.000	96	241657	40.0	40.0	

Reagents:

SV_IC-S_L7_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160329-39121.b\\L132073.D

Injection Date: 29-Mar-2016 07:41:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD080

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

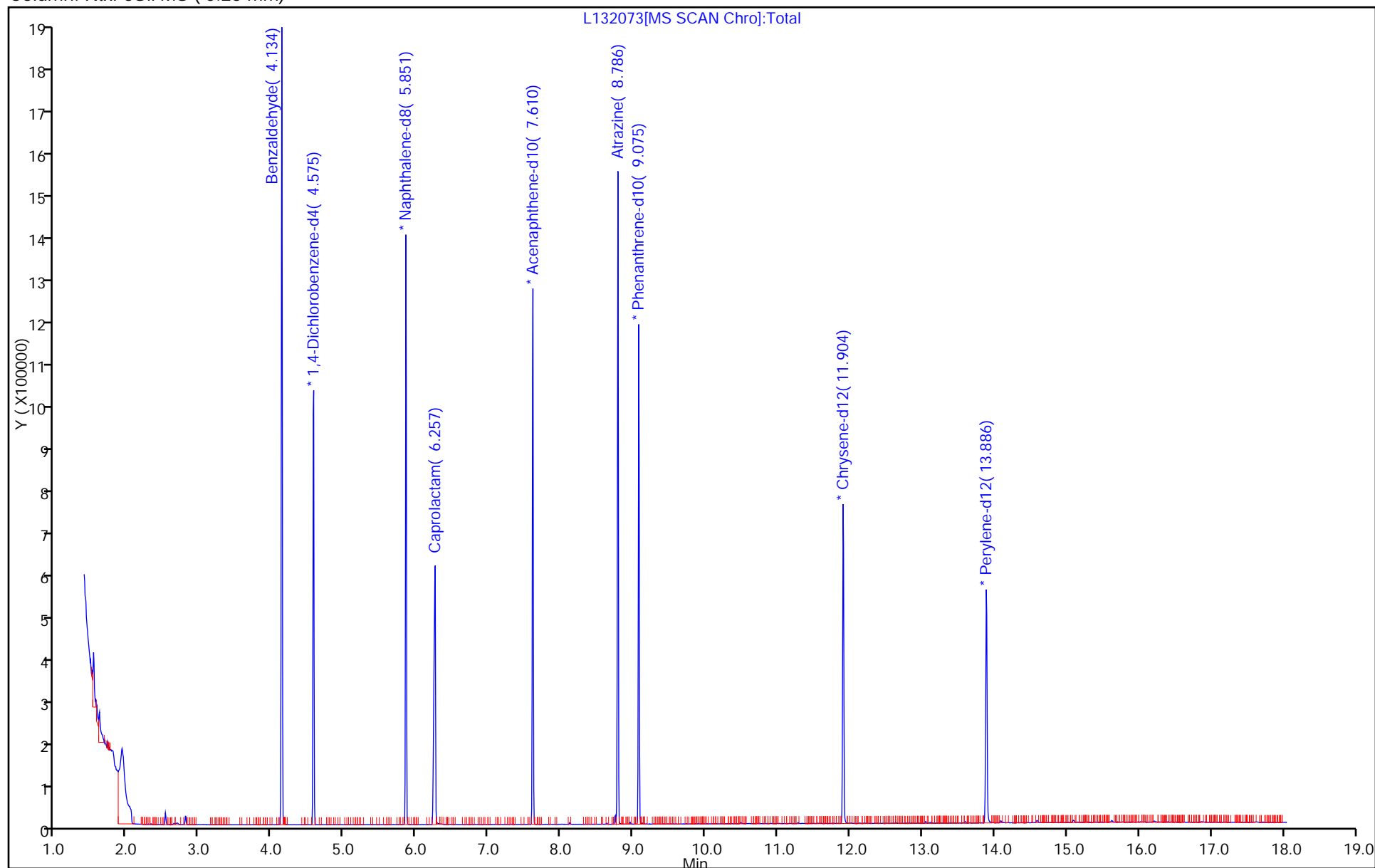
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132074.D
 Lims ID: STD020
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 29-Mar-2016 08:07:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-014
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:41:16 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: szczecha

Date: 29-Mar-2016 11:02:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.134	4.134	0.000	93	97356	20.0	20.8	
* 13 1,4-Dichlorobenzene-d4	152	4.575	4.575	0.000	97	160672	40.0	40.0	
* 36 Naphthalene-d8	136	5.851	5.851	0.000	99	581114	40.0	40.0	
40 Caprolactam	113	6.239	6.245	-0.006	85	22192	20.0	20.3	
* 63 Acenaphthene-d10	164	7.610	7.610	0.000	97	262131	40.0	40.0	
82 Atrazine	200	8.780	8.786	-0.006	89	44097	20.0	21.3	
* 85 Phenanthrene-d10	188	9.075	9.075	0.000	99	409005	40.0	40.0	
* 100 Chrysene-d12	240	11.904	11.904	0.000	99	260581	40.0	40.0	
* 107 Perylene-d12	264	13.886	13.886	0.000	96	211974	40.0	40.0	

Reagents:

SV_IC-S_L5_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160329-39121.b\\L132074.D

Injection Date: 29-Mar-2016 08:07:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD020

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

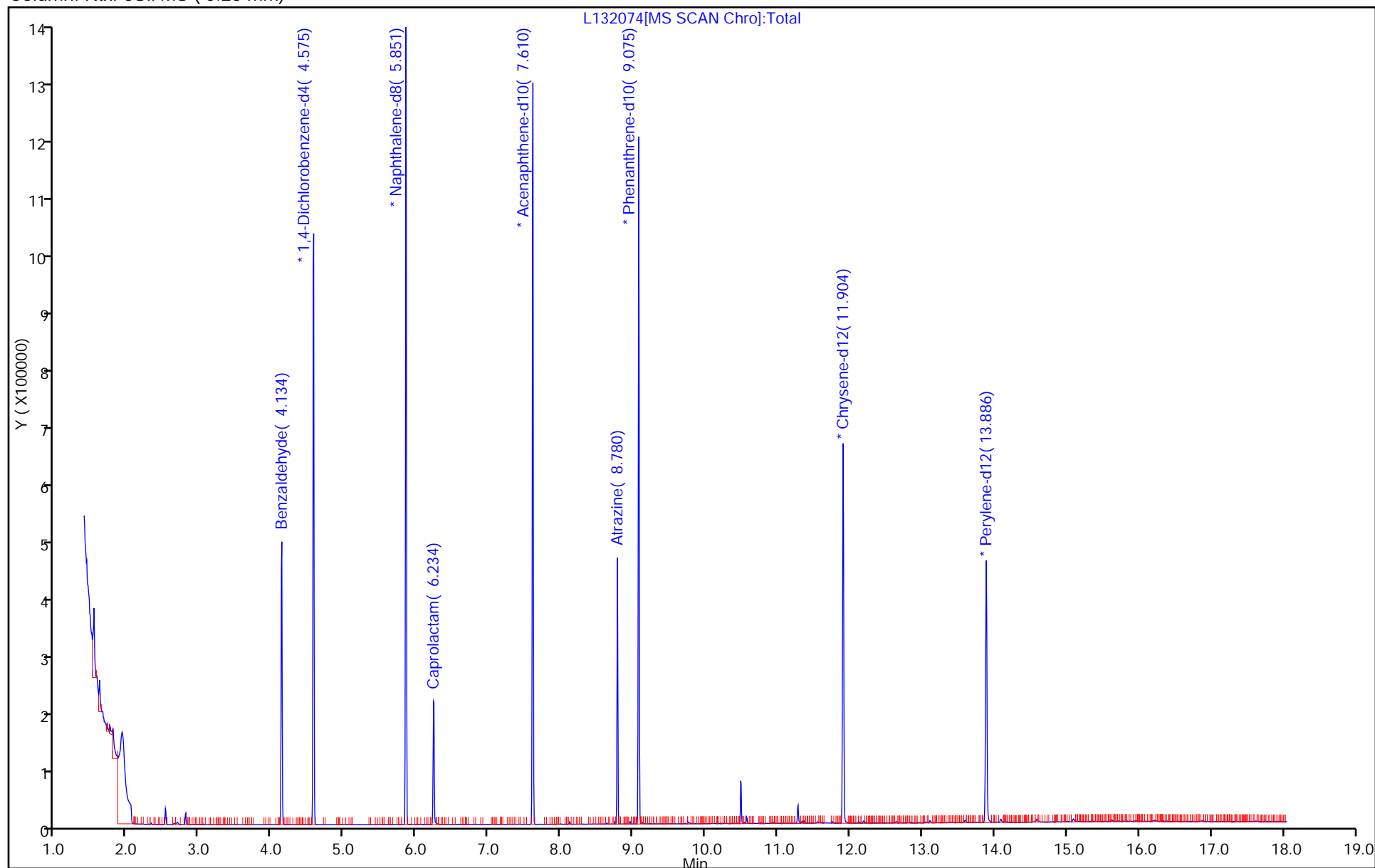
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132075.D
 Lims ID: STD010
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 29-Mar-2016 08:33:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-015
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:41:19 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: szczecha

Date: 29-Mar-2016 11:02:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.128	4.134	-0.006	91	37504	10.0	9.55	
* 13 1,4-Dichlorobenzene-d4	152	4.569	4.575	-0.006	97	134971	40.0	40.0	
* 36 Naphthalene-d8	136	5.851	5.851	0.000	99	482101	40.0	40.0	
40 Caprolactam	113	6.228	6.245	-0.017	86	8387	10.0	9.24	
* 63 Acenaphthene-d10	164	7.610	7.610	0.000	98	210503	40.0	40.0	
82 Atrazine	200	8.781	8.786	-0.005	89	16310	10.0	9.50	
* 85 Phenanthrene-d10	188	9.075	9.075	0.000	99	339557	40.0	40.0	
* 100 Chrysene-d12	240	11.904	11.904	0.000	99	258574	40.0	40.0	
* 107 Perylene-d12	264	13.886	13.886	0.000	96	216653	40.0	40.0	

Reagents:

SV_IC-S_L4_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160329-39121.b\\L132075.D

Injection Date: 29-Mar-2016 08:33:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD010

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

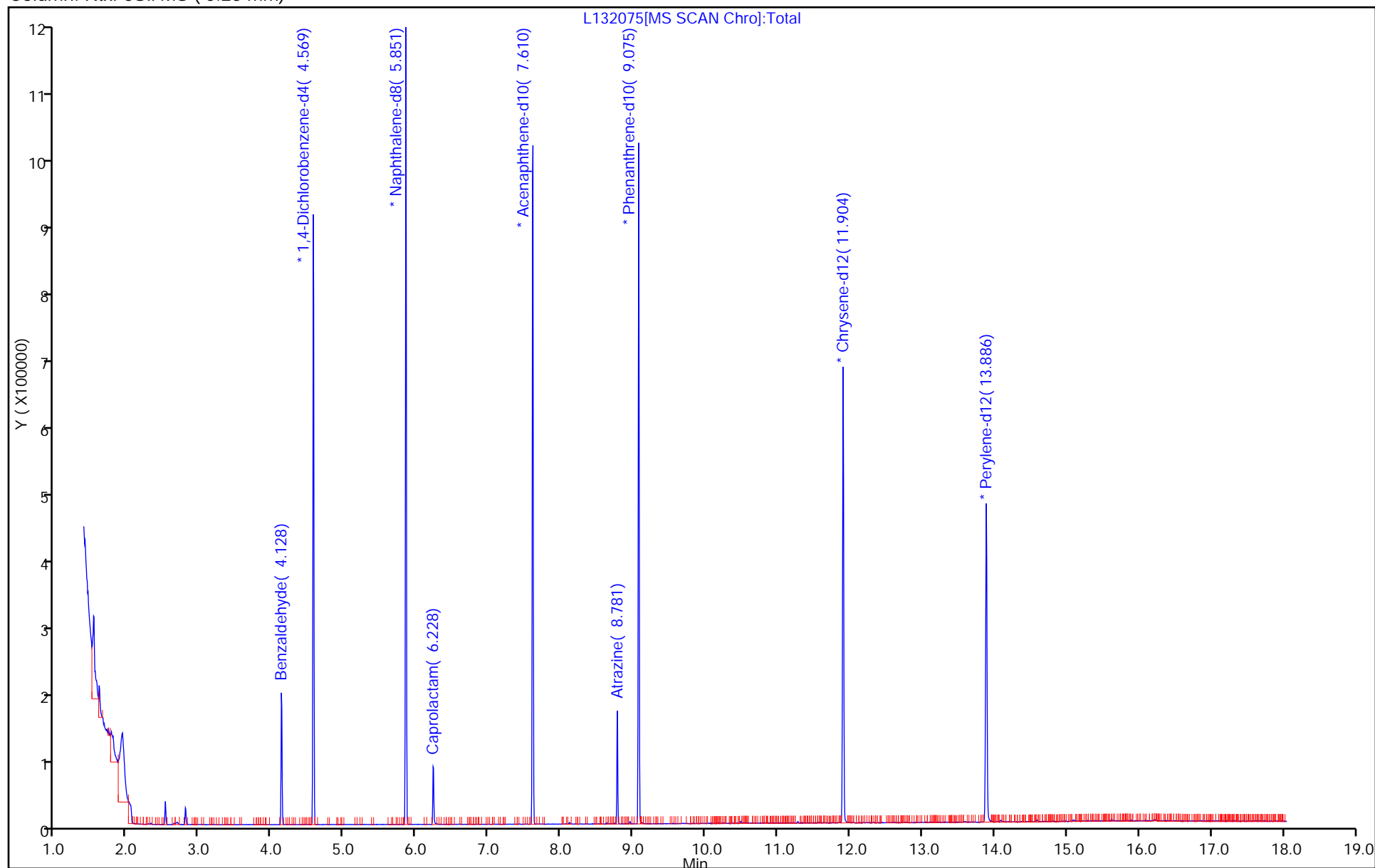
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132076.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 29-Mar-2016 08:59:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-016
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:41:22 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: szczecha

Date: 29-Mar-2016 11:02:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.128	4.134	-0.006	92	22071	5.00	4.93	
* 13 1,4-Dichlorobenzene-d4	152	4.569	4.575	-0.006	97	153816	40.0	40.0	
* 36 Naphthalene-d8	136	5.851	5.851	0.000	99	566454	40.0	40.0	
40 Caprolactam	113	6.228	6.245	-0.017	87	4726	5.00	4.43	
* 63 Acenaphthene-d10	164	7.610	7.610	0.000	93	287664	40.0	40.0	
82 Atrazine	200	8.775	8.786	-0.011	89	9826	5.00	4.75	
* 85 Phenanthrene-d10	188	9.075	9.075	0.000	99	409014	40.0	40.0	
* 100 Chrysene-d12	240	11.904	11.904	0.000	99	272657	40.0	40.0	
* 107 Perylene-d12	264	13.886	13.886	0.000	96	227129	40.0	40.0	

Reagents:

SV_IC-S_L3_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160329-39121.b\\L132076.D

Injection Date: 29-Mar-2016 08:59:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

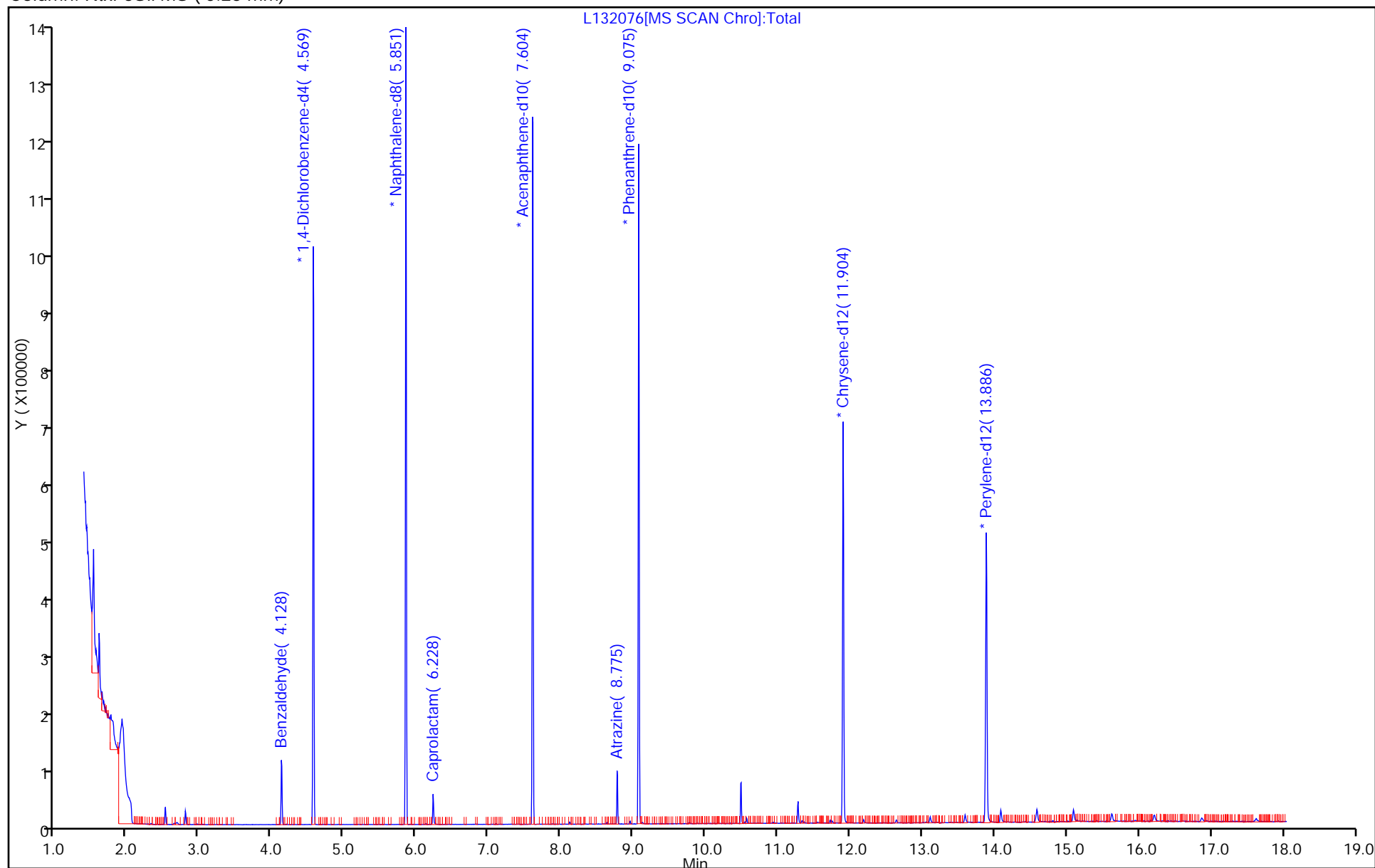
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 29-Mar-2016 09:25:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-017
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:12:05 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: szczecha

Date: 29-Mar-2016 11:12:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.569	4.575	-0.006	97	148739	40.0	40.0	
* 36 Naphthalene-d8	136	5.851	5.863	-0.012	99	526711	40.0	40.0	
* 63 Acenaphthene-d10	164	7.610	7.622	-0.012	98	226744	40.0	40.0	
82 Atrazine	200	8.775	8.786	-0.011	89	3382	2.00	1.91	
* 85 Phenanthrene-d10	188	9.075	9.092	-0.017	99	350951	40.0	40.0	
* 100 Chrysene-d12	240	11.904	11.927	-0.023	99	256825	40.0	40.0	
* 107 Perylene-d12	264	13.886	13.910	-0.024	96	223706	40.0	40.0	

Reagents:

SV_IC-S_L2_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160329-39121.b\\L132077.D

Injection Date: 29-Mar-2016 09:25:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

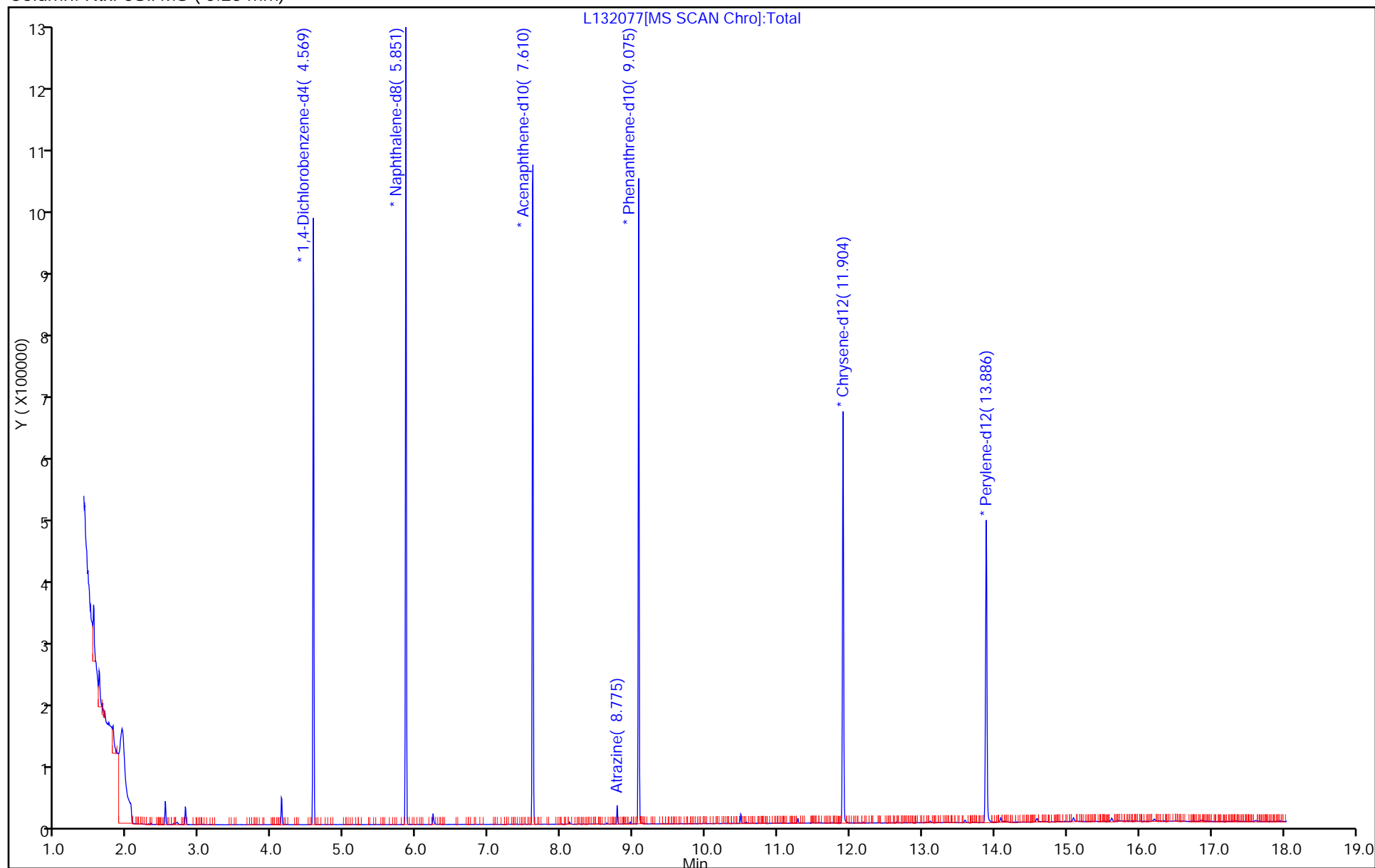
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 360983

SDG No.: _____

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

Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-360983/10	L132428.D
Level 2	STD1 460-360983/9	L132427.D
Level 3	STD2 460-360983/8	L132426.D
Level 4	STD5 460-360983/7	L132425.D
Level 5	STD10 460-360983/6	L132424.D
Level 6	STD20 460-360983/5	L132423.D
Level 7	ICIS 460-360983/2	L132420.D
Level 8	STD80 460-360983/4	L132422.D
Level 9	STD120 460-360983/3	L132421.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	0.5318	0.5648	0.5511	0.5188 0.5617	0.5340	Ave		0.5437				3.4		20.0			
N-Nitrosodimethylamine	0.7717	0.7755	0.7546	0.6998 0.7885	0.7864	Ave		0.7627				4.3		20.0			
Pyridine	1.3297	1.2272	1.2438	1.2440 1.3212	1.3422	Ave		1.2847				4.0		20.0			
Phenol	1.8253	1.7176	1.6548	1.7689 1.6783	1.6894	Ave		1.7224			0.8000	3.7		20.0			
Aniline	2.0441	1.8224	1.8221	1.9146 1.9082	2.0308	Ave		1.9237				5.0		20.0			
Bis(2-chloroethyl)ether	1.3583 1.3087	1.3460 1.2360	1.3194 1.2213	1.2659 1.2830	1.3102	Ave		1.2943			0.7000	3.6		20.0			
2-Chlorophenol	1.4129	1.3631	1.3326	1.3526 1.3630	1.4061	Ave		1.3717			0.8000	2.3		20.0			
n-Decane	2.2974	2.2784	2.2250	2.2482 2.2303	2.3334	Ave		2.2688				1.9		20.0			
1,3-Dichlorobenzene	1.6086	1.5613	1.5160	1.5649 1.5524	1.6040	Ave		1.5679				2.2		20.0			
1,4-Dichlorobenzene	1.5966	1.5710	1.5218	1.5858 1.5414	1.5923	Ave		1.5682				1.9		20.0			
Benzyl alcohol	0.7881	0.7412	0.7364	0.7340 0.7874	0.7690	Ave		0.7594				3.3		20.0			
1,2-Dichlorobenzene	1.5202	1.4617	1.4417	1.4685 1.4573	1.5398	Ave		1.4815				2.6		20.0			
2-Methylphenol	1.1791	1.0994	1.0617	1.1224 1.0917	1.1797	Ave		1.1223			0.7000	4.3		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 360983
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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]	2.8330	2.6642	2.5738	2.7659 2.6149	2.7969	Ave		2.7081			0.0100	3.9		20.0			
Acetophenone	1.6883	1.5263	1.4767	1.6230 1.5266	1.6502	Ave		1.5818			0.0100	5.3		20.0			
N-Nitrosodi-n-propylamine	0.8311 0.8973	0.8560 0.8027	0.8841 0.7923	0.8285 0.7811	0.8759	Ave		0.8388			0.5000	5.0		20.0			
3 & 4 Methylphenol	1.2912	1.1799	1.0778	1.2357 1.0824	1.2620	Ave		1.1882				7.7		20.0			
4-Methylphenol	1.2912	1.1799	1.0778	1.2357 1.0824	1.2620	Ave		1.1882			0.6000	7.7		20.0			
Hexachloroethane	0.6342 0.6558	0.6640 0.6315	0.6266 0.6225	0.6239 0.6394	0.6499	Ave		0.6386			0.3000	2.3		20.0			
Nitrobenzene	0.5272 0.5327	0.5397 0.5198	0.5245 0.5030	0.5201 0.5343	0.5420	Ave		0.5270			0.2000	2.3		20.0			
n,n'-Dimethylaniline	2.0571 1.9858	1.9125 1.8663	1.9830 1.6709	1.9552 1.7690	1.9236	Ave		1.9026				6.3		20.0			
Isophorone	0.6158	0.5743	0.6179 0.5632	0.5880 0.5988	0.5981	Ave		0.5937			0.4000	3.4		20.0			
2-Nitrophenol	0.1951	0.1882	0.1873	0.1742 0.1944	0.1864	Ave		0.1876			0.1000	4.0		20.0			
2,4-Dimethylphenol	0.3141	0.2951	0.2900	0.3007 0.3016	0.3103	Ave		0.3020			0.2000	3.0		20.0			
Bis(2-chloroethoxy)methane	0.4068	0.3813	0.3743	0.3761 0.3902	0.4017	Ave		0.3884			0.3000	3.5		20.0			
Benzoic acid	0.1005	0.1238	0.1315	0.0251 0.1531	0.0626	Qua	-0.389	0.1071	0.0004047						0.9990		0.9900
2,4-Dichlorophenol	0.3014	0.2887	0.2373 0.2794	0.2814 0.2895	0.2945	Ave		0.2817			0.2000	7.4		20.0			
1,2,4-Trichlorobenzene	0.3574 0.3314	0.3392 0.3195	0.3342 0.3098	0.3253 0.3219	0.3354	Ave		0.3305				4.1		20.0			
Naphthalene	1.0420	1.0075	0.9686	1.0316 1.0061	1.0612	Ave		1.0195			0.7000	3.2		20.0			
4-Chloroaniline	0.4017	0.3709	0.3331	0.3727 0.3434	0.3997	Ave		0.3702			0.0100	7.6		20.0			
Hexachlorobutadiene	0.1887	0.1860 0.1848	0.1872 0.1833	0.1874 0.1882	0.1888	Ave		0.1868			0.0100	1.1		20.0			
4-Chloro-3-methylphenol	0.2728	0.2514	0.2411	0.2407 0.2554	0.2554	Ave		0.2528			0.2000	4.7		20.0			
2-Methylnaphthalene	0.6783	0.6340	0.6108	0.6437 0.6332	0.6745	Ave		0.6457			0.4000	4.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 360983
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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	0.5911	0.5430	0.5261	0.5752 0.5510	0.5856	Ave		0.5620				4.6		20.0			
Hexachlorocyclopentadiene	0.3463	0.3736	0.3827	0.2606 0.4060	0.3234	Ave		0.3488			0.0500	14.9		20.0			
1,2,4,5-Tetrachlorobenzene	0.6116	0.6139	0.5943	0.6069 0.6095	0.6381	Ave		0.6124			0.0100	2.3		20.0			
2-tertbutyl-4-methylphenol	0.4398	0.4069	0.3823	0.4325 0.4061	0.4221	Ave		0.4149				5.0		20.0			
2,4,6-Trichlorophenol	0.3874	0.3904	0.2395 0.3818	0.3251 0.3961	0.3724	Lin2	-0.316	0.3963			0.2000				1.0000		0.9900
2,4,5-Trichlorophenol	0.4089	0.4054	0.3887	0.3773 0.4135	0.3943	Ave		0.3980			0.2000	3.5		20.0			
1,1'-Biphenyl	1.5778	1.5479	1.5031	1.5609 1.5478	1.6283	Ave		1.5610			0.0100	2.6		20.0			
2-Chloronaphthalene	1.2456	1.2287	1.1848	1.2508 1.2250	1.2758	Ave		1.2351			0.8000	2.5		20.0			
Phenyl ether	0.8319	0.8357	0.7828	0.8311 0.8291	0.8331	Ave		0.8239				2.5		20.0			
2-Nitroaniline	0.4588	0.4551	0.4413	0.4079 0.4019	0.4532	Ave		0.4363			0.0100	5.8		20.0			
1,3-Dimethylnaphthalene	0.9849	0.9845	0.8583	0.9991 0.9179	0.9826	Ave		0.9545				5.8		20.0			
Dimethyl phthalate	1.1632	1.1081	1.0813	1.0657 1.1590	1.1447	Ave		1.1203			0.0100	3.7		20.0			
Coumarin	0.1744	0.1534	0.1466	0.1522 0.1626	0.1565	Ave		0.1576				6.2		20.0			
2,6-Dinitrotoluene	0.2816	0.2437 0.2681	0.2654 0.2606	0.2517 0.2836	0.2703	Ave		0.2656			0.2000	5.1		20.0			
Acenaphthylene	1.7948	1.7395	1.6924	1.7501 1.7680	1.8248	Ave		1.7616			0.9000	2.6		20.0			
3-Nitroaniline	0.2791	0.2541	0.2508	0.2215 0.2791	0.2561	Ave		0.2568			0.0100	8.3		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.0358	1.0083	0.9405	1.0049 1.0111	1.0230	Ave		1.0040				3.3		20.0			
Acenaphthene	1.0870	1.0429	0.9971	1.0572 1.0347	1.1100	Ave		1.0548			0.9000	3.8		20.0			
2,4-Dinitrophenol	0.1115	0.1269	0.0019 0.1355	0.0364 0.1542	0.0743	Qua	-0.580	0.1116	0.0001857		0.0100				1.0000		0.9900
4-Nitrophenol	0.1907	0.1824	0.1923	0.1016 0.2192	0.1593	Lin2	-1.044	0.2082			0.0100				0.9950		0.9900

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.: 460-111496-1 Analy Batch No.: 360983
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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	0.3361	0.2355 0.3161	0.2798 0.3092	0.2746 0.3384	0.3078	Ave		0.2997			0.2000	11.6		20.0			
Dibenzofuran	1.6253	1.5417	1.5159	1.5830 1.5652	1.6343	Ave		1.5776			0.8000	2.9		20.0			
2,3,4,6-Tetrachlorophenol	0.2687	0.2592	0.2554	0.1967 0.2766	0.2414	Ave		0.2497			0.0100	11.5		20.0			
Diethyl phthalate	1.0864	1.0124	1.0121	0.9103 1.1067	0.9907	Ave		1.0198			0.0100	6.9		20.0			
Fluorene	1.2595	1.1789	1.1496	1.2169 1.1975	1.2540	Ave		1.2094			0.9000	3.5		20.0			
4-Chlorophenyl phenyl ether	0.5547	0.5160	0.5070	0.5382 0.5269	0.5567	Ave		0.5332			0.4000	3.8		20.0			
4-Nitroaniline	0.2347	0.2089	0.2111	0.1752 0.2277	0.2150	Ave		0.2121			0.0100	9.8		20.0			
4,6-Dinitro-2-methylphenol	0.1202	0.1271	0.0404 0.1340	0.0734 0.1462	0.1034	Lin2	-0.402	0.1320			0.0100				0.9900		0.9900
N-Nitrosodiphenylamine	0.6484	0.6299	0.6419 0.6223	0.6535 0.6358	0.6682	Ave		0.6429			0.0100	2.4		20.0			
1,2-Diphenylhydrazine	0.9715	0.9611	0.9555	0.9809 0.9759	1.0028	Ave		0.9746				1.7		20.0			
4-Bromophenyl phenyl ether	0.2329	0.2263	0.2244	0.2168 0.2315	0.2331	Ave		0.2275			0.1000	2.8		20.0			
Hexachlorobenzene	0.2127 0.2393	0.2290 0.2314	0.2346 0.2270	0.2350 0.2343	0.2419	Ave		0.2317			0.1000	3.7		20.0			
Pentachlorophenol	0.1089	0.1184	0.0081 0.1222	0.0536 0.1366	0.0867	Qua	-0.370	0.1061	0.0001312		0.0500				1.0000		0.9900
Pentachloronitrobenzene	0.0998	0.1001	0.0865	0.0911 0.0932	0.0936	Ave		0.0941			0.0100	5.5		20.0			
n-Octadecane	0.8989	0.8870	0.8908	0.8682 0.8781	0.8995	Ave		0.8871				1.4		20.0			
Phenanthrene	1.1730	1.1445	1.1240	1.1376 1.1797	1.2045	Ave		1.1605			0.7000	2.6		20.0			
Anthracene	1.1867	1.1531	1.1456	1.0951 1.1947	1.1977	Ave		1.1622			0.7000	3.4		20.0			
Carbazole	0.9576	0.9251	0.9297	0.8590 1.0136	0.9514	Ave		0.9394			0.0100	5.4		20.0			
Di-n-butyl phthalate	1.0098	1.0210	1.0751	0.7405 1.1811	0.9030	Ave		0.9884			0.0100	15.3		20.0			
Fluoranthene	0.9828	0.9402	0.9502	0.8560 1.0759	0.9337	Ave		0.9565			0.6000	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.: 460-111496-1 Analy Batch No.: 360983
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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	0.3706	0.3720	0.4367	0.2835 0.5302	0.3042	QuaF		0.2701	0.0021524						0.9990		0.9900
Pyrene	1.9683	1.7925	1.6576	2.0185 1.5183	1.9980	Ave		1.8255			0.6000	11.3		20.0			
Bisphenol-A	0.5254	0.5500	0.5489	0.4678 0.5565	0.5010	Ave		0.5249				6.6		20.0			
Butyl benzyl phthalate	0.6107	0.6535	0.6469	0.4870 0.6688	0.5587	Ave		0.6042			0.0100	11.5		20.0			
2,3,7,8-TCDD		0.1147				Ave		0.1147						20.0			
Carbamazepine	0.3656	0.5462	0.5630	0.1657 0.5987	0.2428	Qua	-2.913	0.5615	0.0005126						0.9990		0.9900
3,3'-Dichlorobenzidine	0.3760	0.4004	0.2715 0.4392	0.3139 0.4504	0.3295	Ave		0.3687			0.0100	18.1		20.0			
Benzo[a]anthracene	1.3867 1.2281	1.2572 1.1912	1.2002 1.1716	1.1288 1.2469	1.1726	Ave		1.2204			0.8000	6.1		20.0			
Chrysene	1.1083	1.0825	1.0708	1.0638 1.0811	1.1132	Ave		1.0866			0.7000	1.8		20.0			
Bis(2-ethylhexyl) phthalate	0.7003	0.8186	0.8394	0.6183 0.8678	0.6716	Ave		0.7527			0.0100	13.6		20.0			
Di-n-octyl phthalate	1.4677	1.5028	1.4270	1.3487 1.5009	1.4701	Ave		1.4529			0.0100	4.0		20.0			
Benzo[b]fluoranthene	0.9802 1.1788	1.0470 1.1583	1.1601 1.1297	1.0732 1.2269	1.1793	Ave		1.1260			0.7000	6.9		20.0			
Benzo[k]fluoranthene	1.1240 1.2467	1.1770 1.1661	1.1241 1.1186	1.1345 1.2086	1.1853	Ave		1.1650			0.7000	3.8		20.0			
Benzo[a]pyrene	0.8834 1.1427	0.9451 1.1453	1.0170 1.1165	1.0171 1.1829	1.0852	Ave		1.0595			0.7000	9.5		20.0			
Indeno[1,2,3-cd]pyrene	1.0222 1.0557	1.0242 1.2454	0.9156 1.1869	0.9461 1.2096	1.0719	Ave		1.0753			0.5000	10.8		20.0			
Dibenz(a,h)anthracene	0.9097 1.0729	1.0054 1.1967	0.9645 1.1393	1.0024 1.1246	0.9810	Ave		1.0441			0.4000	9.0		20.0			
Benzo[g,h,i]perylene	1.1581	1.2841	1.2295	1.0654 1.1882	1.0839	Ave		1.1682			0.5000	7.2		20.0			
2-Fluorophenol (Surr)	0.9745 1.2555	1.2778 1.3973	1.2693 1.3026	1.5492	1.3188	Ave		1.2931				12.4		20.0			
Phenol-d5 (Surr)	1.4690 1.6014	1.7321 1.7048	1.7071 1.5781	1.8281	1.6775	Ave		1.6623				6.6		20.0			
Nitrobenzene-d5 (Surr)	0.3528 0.3868	0.3777 0.4165	0.4290 0.3947	0.4197 0.4628	0.4095	Ave		0.4055				7.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 360983

SDG No.: _____

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

Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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	1.3444 1.4215	1.3511 1.5430	1.6168 1.4408	1.5525 1.6529	1.5126	Ave		1.4928				7.4		20.0			
2,4,6-Tribromophenol (Surr)	0.1402	0.0399 0.1497	0.0901 0.1397	0.1188 0.1720	0.1281	Lin2	-0.113	0.1490			0.0100				0.9930		0.9900
Terphenyl-d14 (Surr)	1.0974 1.1254	1.0535 1.1380	1.2496 1.0208	1.2445 1.0577	1.2072	Ave		1.1327				7.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 360983

SDG No.: _____

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

Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-360983/10	L132428.D
Level 2	STD1 460-360983/9	L132427.D
Level 3	STD2 460-360983/8	L132426.D
Level 4	STD5 460-360983/7	L132425.D
Level 5	STD10 460-360983/6	L132424.D
Level 6	STD20 460-360983/5	L132423.D
Level 7	ICIS 460-360983/2	L132420.D
Level 8	STD80 460-360983/4	L132422.D
Level 9	STD120 460-360983/3	L132421.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	64124	147062	206052	15927 279337	34503	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	93045	201926	282142	21483 392137	50807	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	160322	319559	465042	38189 657018	86720	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	220073	447253	618708	54301 834629	109151	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	246455	474537	681281	58775 948948	131210	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	4099 157795	8350 321843	15164 456618	38859 638055	84655	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	170351	354953	498257	41522 677812	90850	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	277005	593274	831894	69016 1109119	150761	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	193945	406547	566813	48040 772019	103639	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	192506	409065	568997	48682 766551	102879	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	95024	193012	275319	22532 391586	49689	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	183294	380604	539046	45081 724700	99489	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	142163	286266	396956	34456 542877	76219	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	341582	693750	962323	84908 1300381	180713	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.: 460-111496-1 Analy Batch No.: 360983

SDG No.: _____

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

Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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	203560	397439	552122	49823 759178	106619	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	2508 108189	5310 209017	10161 296247	25434 388429	56591	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
3 & 4 Methylphenol	DCB	Ave	155685	307235	402977	37932 538265	81540	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	155685	307235	402977	37932 538265	81540	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	1914 79073	4119 164432	7201 232736	19152 317967	41993	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	5802 228225	11841 457868	21416 633836	55787 889775	121622	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	6208 239425	11864 485963	22790 624739	60020 879697	124286	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	25229 263861	63068 505838	709758	997156	134196	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	83607	165758	236096	18683 323810	41823	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	134585	259974	365510	32254 502239	69624	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	174304	335836	471657	40346 649771	90124	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Qua	43058	109070	165711	2691 254894	14056	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	129154	254287	352076	9689 482023	66089	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	3934 141989	7441 281431	13646 390447	34895 536083	75266	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	446455	887446	1220610	110652 1675448	238113	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	172104	326685	419807	39977 571824	89691	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	80836	162751	230976	4081 7644 20100 313451	42371	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	116873	221471	303881	25815 425274	57308	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	290611	558493	769726	69040 1054473	151347	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	253262	478307	663014	61698 917490	131397	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	70933	144475	213121	12928 297924	33355	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.: 460-111496-1 Analy Batch No.: 360983

SDG No.: _____

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

Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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	125263	237364	330942	30112 447221	65821	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	188426	358444	481822	46391 676200	94710	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Lin2	79355	150945	4684 212585	16130 290625	38411	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	83762	156748	216416	18718 303440	40667	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	323174	598516	836957	77442 1135797	167954	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	255136	475081	659747	62059 898873	131598	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	170387	323124	435902	41235 608372	85931	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	93972	175953	245736	20236 294877	46746	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	201731	380667	477896	49569 673542	101353	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	238250	428466	602108	52874 850471	118075	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	74724	135131	184704	16324 270815	35118	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	57673	2523 103656	5189 145093	12488 208110	27877	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	367612	672614	942380	86830 1297387	188224	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	57174	98255	139654	10991 204792	26413	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	212160	389889	523711	49859 741923	105525	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	222648	403238	555199	52454 759239	114496	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	45672	98160	150908	73 3615 226276	15334	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Lin2	78111	141032	214125	10079 321692	32858	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	68848	2438 122226	5471 172185	13626 248328	31754	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	332895	596108	844113	78541 1148556	168580	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	55038	100208	142231	9757 202976	24897	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.: 460-111496-1 Analy Batch No.: 360983

SDG No.: _____

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

Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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	222532	391449	563535	45162 812110	102189	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	257980	455830	640101	60378 878747	129349	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	113608	199519	282329	26700 386601	57422	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	48067	80779	117544	8690 167106	22172	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	62834	119245	180412	1957 8493 270665	25589	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	339080	590756	837533	31097 75596 1177383	165292	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	253998	450690	643036	56733 903526	124032	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	60898	106143	151003	12538 214350	28827	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	1480 62568	2862 108517	5683 152744	13595 216913	29924	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Qua	56947	111035	164417	394 252992	21447	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	26082	46939	58220	5271 86334	11577	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	235024	415960	599456	50217 812982	111258	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	306697	536733	756383	65800 1092239	148978	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	310284	540735	770946	63340 1106166	148141	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	250385	433811	625637	49683 938503	117682	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	264024	478810	723500	42831 1093531	111693	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	256951	440891	639431	49512 996176	115485	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	QuaF	96903	174431	293900	16395 490910	37625	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	257525	440562	645470	48764 1011665	114451	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	68741	135195	213748	11300 370808	28700	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	79896	160613	251903	11764 445630	32003	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.: 460-111496-1 Analy Batch No.: 360983

SDG No.: _____

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

Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

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		282					0.500			
Carbamazepine	CRY	Qua	47837	134245	219245	398924	13906	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	49196	98417	3107 171010	7582 300134	18877	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	4247 160679	6491 292792	13733 456209	27269 830845	67169	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	145002	266057	416948	25700 720378	63769	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	91631	201191	326852	14936 578232	38474	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	151896	341300	577170	24997 1046166	62266	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	2168 122000	4132 263071	10021 456915	19892 855162	49949	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	2486 129024	4645 264841	9710 452434	21028 842416	50200	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	1954 118258	3730 260117	8785 451588	18852 824517	45961	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	2261 109256	4042 282853	7909 480030	17536 843080	45397	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	2012 111038	3968 271793	8331 460783	18580 783875	41548	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	119856	291640	497273	19747 828182	45906	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	151371	6045 363836	14685 487046	38965 770425	85212	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	193085	9113 443930	19907 590035	52405 909091	108387	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	3883 165732	8287 366916	17517 497462	45023 770712	91877	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	7272 291164	13989 596638	31615 802274	77027 1212899	156021	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Lin2	413 28707	1761 57888	5895 77803	13215 126183		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	3361 147244	5439 279701	14299 397486	30064 704813	69152	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.: 460-111496-1 Analy Batch No.: 360983
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/06/2016 06:07 Calibration End Date: 04/06/2016 09:53 Calibration ID: 55186

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132420.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 06-Apr-2016 06:07:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039509-002
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:08:31 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 08:40:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.538	1.538	0.000	93	147062	50.0	51.9	
2 N-Nitrosodimethylamine	74	1.761	1.761	0.000	74	201926	50.0	50.8	
3 Pyridine	79	1.797	1.797	0.000	75	319559	50.0	47.8	
\$ 4 2-Fluorophenol	112	2.926	2.926	0.000	90	363836	50.0	54.0	
\$ 6 Phenol-d5	99	3.855	3.855	0.000	86	443930	50.0	51.3	
7 Phenol	94	3.873	3.873	0.000	94	447253	50.0	49.9	
8 Aniline	93	3.885	3.885	0.000	98	474537	50.0	47.4	
9 Bis(2-chloroethyl)ether	93	3.949	3.949	0.000	90	321843	50.0	47.7	
10 2-Chlorophenol	128	4.008	4.008	0.000	92	354953	50.0	49.7	
11 n-Decane	43	4.067	4.067	0.000	93	593274	50.0	50.2	
12 1,3-Dichlorobenzene	146	4.161	4.161	0.000	97	406547	50.0	49.8	
* 13 1,4-Dichlorobenzene-d4	152	4.214	4.214	0.000	97	208314	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.232	4.232	0.000	93	409065	50.0	50.1	
15 Benzyl alcohol	108	4.361	4.361	0.000	90	193012	50.0	48.8	
16 1,2-Dichlorobenzene	146	4.391	4.391	0.000	94	380604	50.0	49.3	
17 2-Methylphenol	108	4.479	4.479	0.000	94	286266	50.0	49.0	
18 2,2'-oxybis[1-chloropropan	45	4.496	4.496	0.000	92	693750	50.0	49.2	
22 Acetophenone	105	4.632	4.632	0.000	94	397439	50.0	48.2	
21 N-Nitrosodi-n-propylamine	70	4.632	4.632	0.000	95	209017	50.0	47.8	
19 4-Methylphenol	108	4.638	4.638	0.000	90	307235	50.0	49.7	
20 3 & 4 Methylphenol	108	4.638	4.638	0.000	90	307235	50.0	49.7	
25 Hexachloroethane	117	4.732	4.732	0.000	95	164432	50.0	49.4	
\$ 26 Nitrobenzene-d5	82	4.779	4.779	0.000	94	366916	50.0	51.4	
27 Nitrobenzene	77	4.802	4.802	0.000	89	457868	50.0	49.3	
28 n,n'-Dimethylaniline	120	4.802	4.802	0.000	93	485963	50.0	49.0	
29 Isophorone	82	5.043	5.043	0.000	98	505838	50.0	48.4	
30 2-Nitrophenol	139	5.120	5.120	0.000	85	165758	50.0	50.2	
31 2,4-Dimethylphenol	122	5.173	5.173	0.000	89	259974	50.0	48.9	
32 Bis(2-chloroethoxy)methane	93	5.261	5.261	0.000	94	335836	50.0	49.1	
33 Benzoic acid	122	5.296	5.296	0.000	93	109070	50.0	51.4	
34 2,4-Dichlorophenol	162	5.367	5.367	0.000	94	254287	50.0	51.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.449	5.449	0.000	95	281431	50.0	48.3	
* 36 Naphthalene-d8	136	5.502	5.502	0.000	99	704688	40.0	40.0	
37 Naphthalene	128	5.526	5.526	0.000	99	887446	50.0	49.4	
38 4-Chloroaniline	127	5.585	5.585	0.000	96	326685	50.0	50.1	
39 Hexachlorobutadiene	225	5.661	5.661	0.000	94	162751	50.0	49.5	
41 4-Chloro-3-methylphenol	107	6.079	6.079	0.000	98	221471	50.0	49.7	
42 2-Methylnaphthalene	142	6.220	6.220	0.000	85	558493	50.0	49.1	
43 1-Methylnaphthalene	142	6.320	6.320	0.000	94	478307	50.0	48.3	
44 Hexachlorocyclopentadiene	237	6.385	6.385	0.000	94	144475	50.0	53.6	
45 1,2,4,5-Tetrachlorobenzene	216	6.390	6.390	0.000	97	237364	50.0	50.1	
46 2-tertbutyl-4-methylphenol	149	6.432	6.432	0.000	89	358444	50.0	49.0	
48 2,4,6-Trichlorophenol	196	6.508	6.508	0.000	89	150945	50.0	50.1	
49 2,4,5-Trichlorophenol	196	6.543	6.543	0.000	96	156748	50.0	50.9	
\$ 50 2-Fluorobiphenyl	172	6.590	6.590	0.000	97	596638	50.0	51.7	
51 1,1'-Biphenyl	154	6.690	6.690	0.000	96	598516	50.0	49.6	
52 2-Chloronaphthalene	162	6.708	6.708	0.000	97	475081	50.0	49.7	
53 Phenyl ether	170	6.790	6.790	0.000	90	323124	50.0	50.7	
54 2-Nitroaniline	65	6.808	6.808	0.000	94	175953	50.0	52.1	
55 1,3-Dimethylnaphthalene	156	6.926	6.926	0.000	90	380667	50.0	51.6	
58 Dimethyl phthalate	163	6.996	6.996	0.000	98	428466	50.0	49.5	
59 Coumarin	146	7.014	7.014	0.000	78	135131	50.0	48.7	
60 2,6-Dinitrotoluene	165	7.049	7.049	0.000	93	103656	50.0	50.5	
61 Acenaphthylene	152	7.114	7.114	0.000	97	672614	50.0	49.4	
62 3-Nitroaniline	138	7.220	7.220	0.000	92	98255	50.0	49.5	
* 63 Acenaphthene-d10	164	7.255	7.255	0.000	93	309330	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.284	7.284	0.000	98	389889	50.0	50.2	
65 Acenaphthene	154	7.290	7.290	0.000	95	403238	50.0	49.4	
66 2,4-Dinitrophenol	184	7.320	7.320	0.000	92	98160	100.0	101.7	
67 4-Nitrophenol	65	7.396	7.396	0.000	92	141032	100.0	92.6	
68 2,4-Dinitrotoluene	165	7.449	7.449	0.000	94	122226	50.0	52.7	
69 Dibenzofuran	168	7.461	7.461	0.000	95	596108	50.0	48.9	
70 2,3,4,6-Tetrachlorophenol	232	7.584	7.584	0.000	91	100208	50.0	51.9	
71 Diethyl phthalate	149	7.696	7.696	0.000	98	391449	50.0	49.6	
73 4-Chlorophenyl phenyl ethe	204	7.796	7.796	0.000	75	199519	50.0	48.4	
74 Fluorene	166	7.796	7.796	0.000	94	455830	50.0	48.7	
75 4-Nitroaniline	138	7.820	7.820	0.000	92	80779	50.0	49.3	
76 4,6-Dinitro-2-methylphenol	198	7.855	7.855	0.000	79	119245	100.0	99.4	
77 N-Nitrosodiphenylamine	169	7.920	7.920	0.000	69	590756	100.0	98.0	
78 1,2-Diphenylhydrazine	77	7.955	7.955	0.000	99	450690	50.0	49.3	
\$ 79 2,4,6-Tribromophenol	330	8.037	8.037	0.000	93	57888	50.0	51.0	
80 4-Bromophenyl phenyl ether	248	8.279	8.279	0.000	82	106143	50.0	49.7	
81 Hexachlorobenzene	284	8.349	8.349	0.000	98	108517	50.0	49.9	
83 Pentachlorophenol	266	8.537	8.537	0.000	90	111035	100.0	102.1	
84 Pentachloronitrobenzene	237	8.555	8.555	0.000	85	46939	50.0	53.2	
72 n-Octadecane	57	8.626	8.626	0.000	91	415960	50.0	50.0	
* 85 Phenanthrene-d10	188	8.720	8.720	0.000	99	375162	40.0	40.0	
86 Phenanthrene	178	8.743	8.743	0.000	98	536733	50.0	49.3	
87 Anthracene	178	8.790	8.790	0.000	98	540735	50.0	49.6	
88 Carbazole	167	8.949	8.949	0.000	96	433811	50.0	49.2	
89 Di-n-butyl phthalate	149	9.302	9.302	0.000	100	478810	50.0	51.6	
90 Fluoranthene	202	9.908	9.908	0.000	98	440891	50.0	49.1	
91 Benzidine	184	10.043	10.043	0.000	99	174431	50.0	49.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.131	10.131	0.000	97	440562	50.0	49.1	
93 Bisphenol-A	213	10.184	10.184	0.000	99	135195	50.0	52.4	
\$ 94 Terphenyl-d14	244	10.290	10.290	0.000	99	279701	50.0	50.2	
95 Butyl benzyl phthalate	149	10.814	10.814	0.000	98	160613	50.0	54.1	
96 2,3,7,8-TCDD	320	10.920	10.920	0.000	1	282	0.5000	0.5000	
97 Carbamazepine	193	10.931	10.931	0.000	93	134245	50.0	51.4	
98 3,3'-Dichlorobenzidine	252	11.425	11.425	0.000	99	98417	50.0	54.3	
99 Benzo[a]anthracene	228	11.449	11.449	0.000	99	292792	50.0	48.8	
* 100 Chrysene-d12	240	11.461	11.461	0.000	99	196630	40.0	40.0	
101 Chrysene	228	11.490	11.490	0.000	99	266057	50.0	49.8	
102 Bis(2-ethylhexyl) phthalat	149	11.502	11.502	0.000	90	201191	50.0	54.4	
103 Di-n-octyl phthalate	149	12.349	12.349	0.000	97	341300	50.0	51.7	
104 Benzo[b]fluoranthene	252	12.843	12.843	0.000	98	263071	50.0	51.4	
105 Benzo[k]fluoranthene	252	12.878	12.878	0.000	99	264841	50.0	50.0	
106 Benzo[a]pyrene	252	13.284	13.284	0.000	96	260117	50.0	54.1	
* 107 Perylene-d12	264	13.361	13.361	0.000	97	181691	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.802	14.802	0.000	98	282853	50.0	57.9	
109 Dibenz(a,h)anthracene	278	14.831	14.831	0.000	94	271793	50.0	57.3	
110 Benzo[g,h,i]perylene	276	15.149	15.149	0.000	95	291640	50.0	55.0	

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160406-39517.b\\L132420.D

Injection Date: 06-Apr-2016 06:07:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ICIS

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

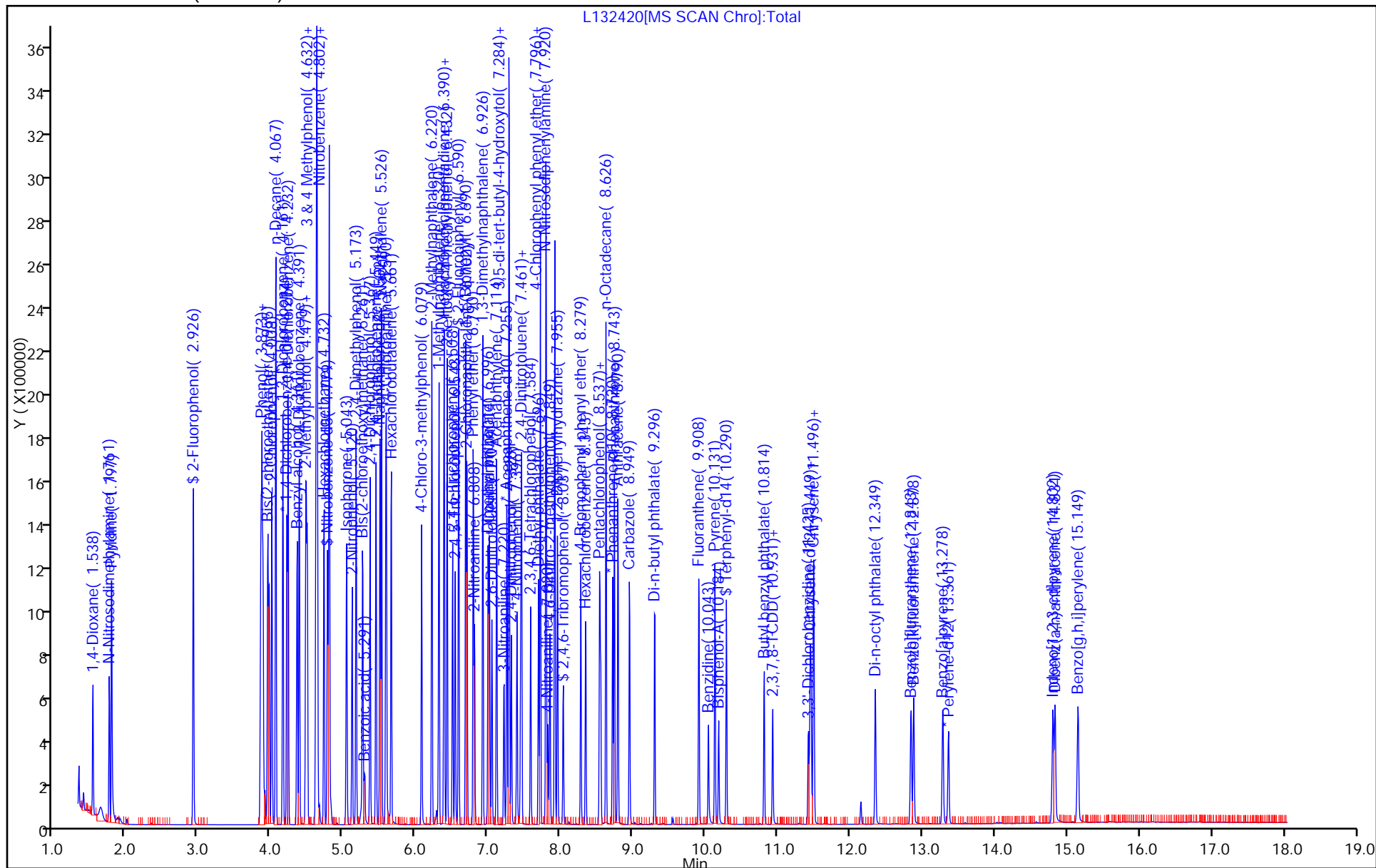
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132421.D
 Lims ID: STD120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 06-Apr-2016 06:51:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-003
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:08:39 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 08:40:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.526	1.538	-0.012	92	279337	120.0	124.0	
2 N-Nitrosodimethylamine	74	1.761	1.761	0.000	73	392137	120.0	124.1	
3 Pyridine	79	1.785	1.797	-0.012	74	657018	120.0	123.4	
\$ 4 2-Fluorophenol	112	2.926	2.926	0.000	89	770425	120.0	143.8	
\$ 6 Phenol-d5	99	3.867	3.855	0.012	89	909091	120.0	132.0	
7 Phenol	94	3.885	3.873	0.012	95	834629	120.0	116.9	
8 Aniline	93	3.891	3.885	0.006	93	948948	120.0	119.0	
9 Bis(2-chloroethyl)ether	93	3.961	3.949	0.012	90	638055	120.0	119.0	
10 2-Chlorophenol	128	4.014	4.008	0.006	92	677812	120.0	119.2	
11 n-Decane	43	4.067	4.067	0.000	92	1109119	120.0	118.0	
12 1,3-Dichlorobenzene	146	4.167	4.161	0.006	94	772019	120.0	118.8	
* 13 1,4-Dichlorobenzene-d4	152	4.220	4.214	0.006	97	165766	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.238	4.232	0.006	92	766551	120.0	118.0	
15 Benzyl alcohol	108	4.367	4.361	0.006	90	391586	120.0	124.4	
16 1,2-Dichlorobenzene	146	4.391	4.391	0.000	94	724700	120.0	118.0	
17 2-Methylphenol	108	4.485	4.479	0.006	85	542877	120.0	116.7	
18 2,2'-oxybis[1-chloropropan	45	4.502	4.496	0.006	93	1300381	120.0	115.9	
22 Acetophenone	105	4.638	4.632	0.006	96	759178	120.0	115.8	
21 N-Nitrosodi-n-propylamine	70	4.644	4.632	0.012	95	388429	120.0	111.7	
19 4-Methylphenol	108	4.650	4.638	0.012	91	538265	120.0	109.3	
20 3 & 4 Methylphenol	108	4.650	4.638	0.012	88	538265	120.0	109.3	
25 Hexachloroethane	117	4.732	4.732	0.000	95	317967	120.0	120.1	
\$ 26 Nitrobenzene-d5	82	4.785	4.779	0.006	95	770712	120.0	137.0	
27 Nitrobenzene	77	4.808	4.802	0.006	86	889775	120.0	121.7	
28 n,n'-Dimethylaniline	120	4.808	4.802	0.006	93	879697	120.0	111.6	
29 Isophorone	82	5.055	5.043	0.012	98	997156	120.0	121.0	
30 2-Nitrophenol	139	5.126	5.120	0.006	86	323810	120.0	124.4	
31 2,4-Dimethylphenol	122	5.179	5.173	0.006	89	502239	120.0	119.8	
32 Bis(2-chloroethoxy)methane	93	5.267	5.261	0.006	94	649771	120.0	120.6	
33 Benzoic acid	122	5.338	5.296	0.042	91	254894	120.0	120.4	
34 2,4-Dichlorophenol	162	5.373	5.367	0.006	93	482023	120.0	123.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.449	5.449	0.000	94	536083	120.0	116.9	
* 36 Naphthalene-d8	136	5.508	5.502	0.006	99	555095	40.0	40.0	
37 Naphthalene	128	5.532	5.526	0.006	99	1675448	120.0	118.4	
38 4-Chloroaniline	127	5.591	5.585	0.006	95	571824	120.0	111.3	
39 Hexachlorobutadiene	225	5.661	5.661	0.000	92	313451	120.0	120.9	
41 4-Chloro-3-methylphenol	107	6.085	6.079	0.006	98	425274	120.0	121.2	
42 2-Methylnaphthalene	142	6.226	6.220	0.006	84	1054473	120.0	117.7	
43 1-Methylnaphthalene	142	6.320	6.320	0.000	93	917490	120.0	117.6	
44 Hexachlorocyclopentadiene	237	6.391	6.385	0.006	94	297924	120.0	139.7	
45 1,2,4,5-Tetrachlorobenzene	216	6.396	6.390	0.006	96	447221	120.0	119.4	
46 2-tertbutyl-4-methylphenol	149	6.438	6.432	0.006	89	676200	120.0	117.4	
48 2,4,6-Trichlorophenol	196	6.514	6.508	0.006	89	290625	120.0	120.7	
49 2,4,5-Trichlorophenol	196	6.549	6.543	0.006	95	303440	120.0	124.7	
\$ 50 2-Fluorobiphenyl	172	6.596	6.590	0.006	97	1212899	120.0	132.9	
51 1,1'-Biphenyl	154	6.696	6.690	0.006	96	1135797	120.0	119.0	
52 2-Chloronaphthalene	162	6.708	6.708	0.000	97	898873	120.0	119.0	
53 Phenyl ether	170	6.796	6.790	0.006	88	608372	120.0	120.7	
54 2-Nitroaniline	65	6.814	6.808	0.006	95	294877	120.0	110.5	
55 1,3-Dimethylnaphthalene	156	6.932	6.926	0.006	90	673542	120.0	115.4	
58 Dimethyl phthalate	163	7.008	6.996	0.012	99	850471	120.0	124.1	
59 Coumarin	146	7.020	7.014	0.006	77	270815	120.0	123.8	
60 2,6-Dinitrotoluene	165	7.061	7.049	0.012	94	208110	120.0	128.1	
61 Acenaphthylene	152	7.120	7.114	0.006	97	1297387	120.0	120.4	
62 3-Nitroaniline	138	7.226	7.220	0.006	92	204792	120.0	130.4	
* 63 Acenaphthene-d10	164	7.261	7.255	0.006	93	244599	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.291	7.284	0.006	98	741923	120.0	120.9	
65 Acenaphthene	154	7.296	7.290	0.006	96	759239	120.0	117.7	
66 2,4-Dinitrophenol	184	7.332	7.320	0.012	91	226276	240.0	240.5	
67 4-Nitrophenol	65	7.408	7.396	0.012	93	321692	240.0	257.7	
68 2,4-Dinitrotoluene	165	7.455	7.449	0.006	92	248328	120.0	135.5	
69 Dibenzofuran	168	7.467	7.461	0.006	95	1148556	120.0	119.1	
70 2,3,4,6-Tetrachlorophenol	232	7.590	7.584	0.006	90	202976	120.0	133.0	
71 Diethyl phthalate	149	7.702	7.696	0.006	98	812110	120.0	130.2	
73 4-Chlorophenyl phenyl ethe	204	7.802	7.796	0.006	76	386601	120.0	118.6	
74 Fluorene	166	7.802	7.796	0.006	94	878747	120.0	118.8	
75 4-Nitroaniline	138	7.838	7.820	0.018	90	167106	120.0	128.9	
76 4,6-Dinitro-2-methylphenol	198	7.867	7.855	0.012	78	270665	240.0	268.9	
77 N-Nitrosodiphenylamine	169	7.926	7.920	0.006	69	1177383	240.0	237.4	
78 1,2-Diphenylhydrazine	77	7.961	7.955	0.006	99	903526	120.0	120.2	
\$ 79 2,4,6-Tribromophenol	330	8.043	8.037	0.006	93	126183	120.0	139.3	
80 4-Bromophenyl phenyl ether	248	8.285	8.279	0.006	83	214350	120.0	122.1	
81 Hexachlorobenzene	284	8.349	8.349	0.000	98	216913	120.0	121.3	
83 Pentachlorophenol	266	8.543	8.537	0.006	91	252992	240.0	240.8	
84 Pentachloronitrobenzene	237	8.561	8.555	0.006	86	86334	120.0	119.0	
72 n-Octadecane	57	8.632	8.626	0.006	91	812982	120.0	118.8	
* 85 Phenanthrene-d10	188	8.720	8.720	0.000	99	308626	40.0	40.0	
86 Phenanthrene	178	8.749	8.743	0.006	98	1092239	120.0	122.0	
87 Anthracene	178	8.796	8.790	0.006	98	1106166	120.0	123.4	
88 Carbazole	167	8.955	8.949	0.006	96	938503	120.0	129.5	
89 Di-n-butyl phthalate	149	9.302	9.302	0.000	100	1093531	120.0	143.4	
90 Fluoranthene	202	9.914	9.908	0.006	98	996176	120.0	135.0	
91 Benzidine	184	10.043	10.043	0.000	99	490910	120.0	120.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.137	10.131	0.006	97	1011665	120.0	99.8	
93 Bisphenol-A	213	10.184	10.184	0.000	99	370808	120.0	127.2	
\$ 94 Terphenyl-d14	244	10.296	10.290	0.006	99	704813	120.0	112.1	
95 Butyl benzyl phthalate	149	10.820	10.814	0.006	98	445630	120.0	132.8	
97 Carbamazepine	193	10.943	10.931	0.012	92	398924	120.0	120.0	
98 3,3'-Dichlorobenzidine	252	11.431	11.425	0.006	99	300134	120.0	146.6	
99 Benzo[a]anthracene	228	11.455	11.449	0.006	99	830845	120.0	122.6	
* 100 Chrysene-d12	240	11.467	11.461	0.006	98	222112	40.0	40.0	
101 Chrysene	228	11.502	11.490	0.012	98	720378	120.0	119.4	
102 Bis(2-ethylhexyl) phthalat	149	11.502	11.502	0.000	89	578232	120.0	138.4	
103 Di-n-octyl phthalate	149	12.355	12.349	0.006	97	1046166	120.0	124.0	
104 Benzo[b]fluoranthene	252	12.855	12.843	0.012	98	855162	120.0	130.8	
105 Benzo[k]fluoranthene	252	12.896	12.878	0.018	99	842416	120.0	124.5	
106 Benzo[a]pyrene	252	13.296	13.284	0.012	96	824517	120.0	134.0	
* 107 Perylene-d12	264	13.367	13.361	0.006	97	232337	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.819	14.802	0.017	98	843080	120.0	135.0	
109 Dibenz(a,h)anthracene	278	14.855	14.831	0.024	95	783875	120.0	129.3	
110 Benzo[g,h,i]perylene	276	15.172	15.149	0.023	95	828182	120.0	122.1	
S 117 Total Cresols	1				0			226.0	

Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160406-39517.b\\L132421.D

Injection Date: 06-Apr-2016 06:51:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD120

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

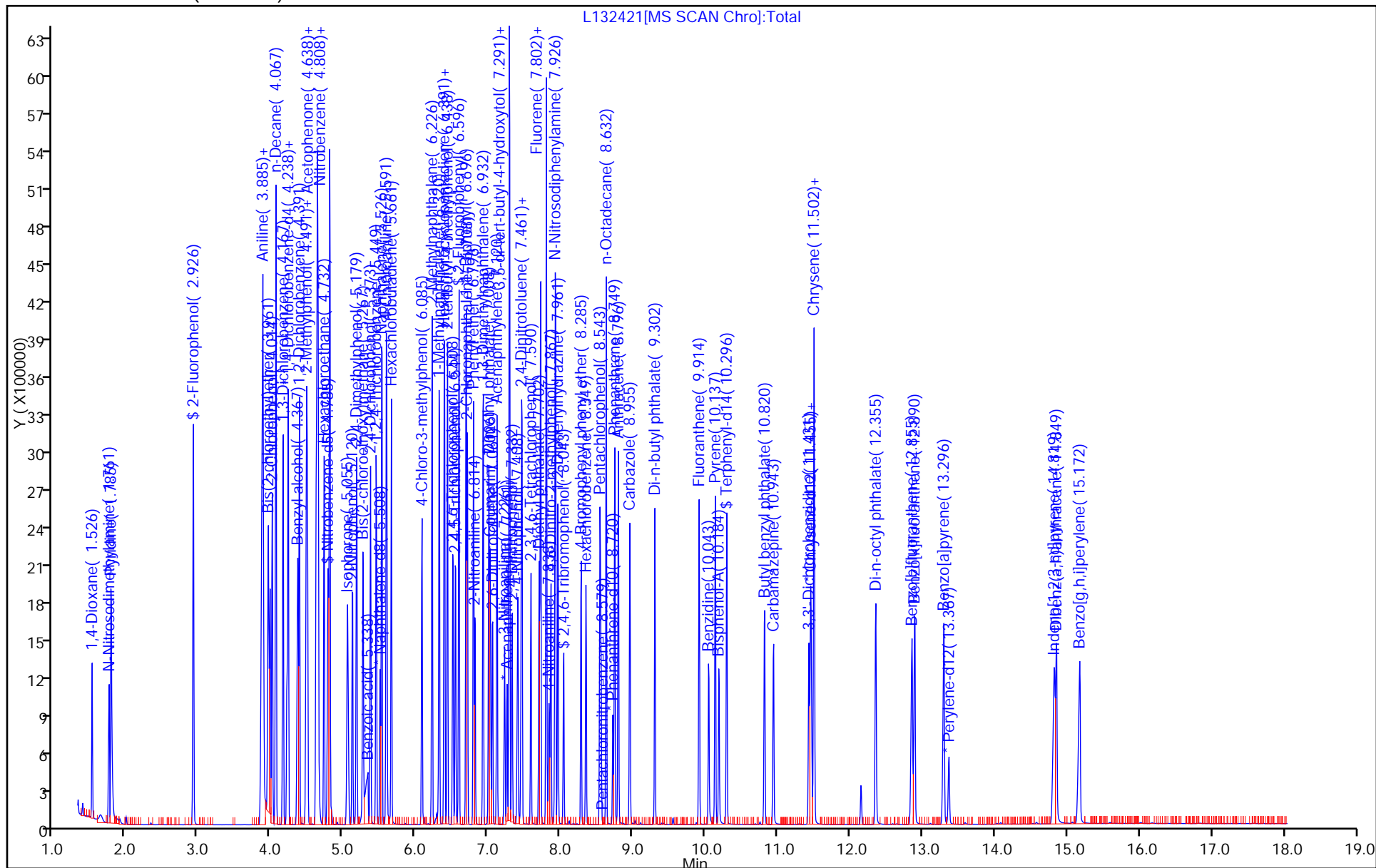
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132422.D
 Lims ID: STD80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 06-Apr-2016 07:17:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-004
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:08:47 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 08:40:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.532	1.538	-0.006	93	206052	80.0	81.1	
2 N-Nitrosodimethylamine	74	1.761	1.761	0.000	73	282142	80.0	79.1	
3 Pyridine	79	1.791	1.797	-0.006	75	465042	80.0	77.5	
\$ 4 2-Fluorophenol	112	2.926	2.926	0.000	89	487046	80.0	80.6	
\$ 6 Phenol-d5	99	3.861	3.855	0.006	88	590035	80.0	75.9	
7 Phenol	94	3.879	3.873	0.006	97	618708	80.0	76.9	
8 Aniline	93	3.891	3.885	0.005	99	681281	80.0	75.8	
9 Bis(2-chloroethyl)ether	93	3.955	3.949	0.006	90	456618	80.0	75.5	
10 2-Chlorophenol	128	4.014	4.008	0.006	91	498257	80.0	77.7	
11 n-Decane	43	4.067	4.067	0.000	93	831894	80.0	78.5	
12 1,3-Dichlorobenzene	146	4.161	4.161	0.000	94	566813	80.0	77.4	
* 13 1,4-Dichlorobenzene-d4	152	4.220	4.214	0.006	97	186945	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.238	4.232	0.006	92	568997	80.0	77.6	
15 Benzyl alcohol	108	4.361	4.361	0.000	90	275319	80.0	77.6	
16 1,2-Dichlorobenzene	146	4.390	4.391	-0.001	95	539046	80.0	77.9	
17 2-Methylphenol	108	4.485	4.479	0.006	90	396956	80.0	75.7	
18 2,2'-oxybis[1-chloropropan	45	4.496	4.496	0.000	94	962323	80.0	76.0	
22 Acetophenone	105	4.632	4.632	0.000	94	552122	80.0	74.7	
21 N-Nitrosodi-n-propylamine	70	4.638	4.632	0.006	95	296247	80.0	75.6	
19 4-Methylphenol	108	4.643	4.638	0.005	90	402977	80.0	72.6	
20 3 & 4 Methylphenol	108	4.643	4.638	0.005	87	402977	80.0	72.6	
25 Hexachloroethane	117	4.732	4.732	0.000	95	232736	80.0	78.0	
\$ 26 Nitrobenzene-d5	82	4.779	4.779	0.000	94	497462	80.0	77.9	
27 Nitrobenzene	77	4.802	4.802	0.000	88	633836	80.0	76.3	
28 n,n'-Dimethylaniline	120	4.808	4.802	0.006	94	624739	80.0	70.3	
29 Isophorone	82	5.049	5.043	0.006	98	709758	80.0	75.9	
30 2-Nitrophenol	139	5.120	5.120	0.000	84	236096	80.0	79.9	
31 2,4-Dimethylphenol	122	5.179	5.173	0.006	89	365510	80.0	76.8	
32 Bis(2-chloroethoxy)methane	93	5.267	5.261	0.006	94	471657	80.0	77.1	
33 Benzoic acid	122	5.314	5.296	0.018	92	165711	80.0	78.5	
34 2,4-Dichlorophenol	162	5.367	5.367	0.000	94	352076	80.0	79.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.449	5.449	0.000	95	390447	80.0	75.0	
* 36 Naphthalene-d8	136	5.502	5.502	0.000	99	630100	40.0	40.0	
37 Naphthalene	128	5.526	5.526	0.000	99	1220610	80.0	76.0	
38 4-Chloroaniline	127	5.585	5.585	0.000	95	419807	80.0	72.0	
39 Hexachlorobutadiene	225	5.661	5.661	0.000	94	230976	80.0	78.5	
41 4-Chloro-3-methylphenol	107	6.079	6.079	0.000	97	303881	80.0	76.3	
42 2-Methylnaphthalene	142	6.220	6.220	0.000	84	769726	80.0	75.7	
43 1-Methylnaphthalene	142	6.320	6.320	0.000	93	663014	80.0	74.9	
44 Hexachlorocyclopentadiene	237	6.390	6.385	0.005	94	213121	80.0	87.8	
45 1,2,4,5-Tetrachlorobenzene	216	6.396	6.390	0.006	97	330942	80.0	77.6	
46 2-tertbutyl-4-methylphenol	149	6.432	6.432	0.000	89	481822	80.0	73.7	
48 2,4,6-Trichlorophenol	196	6.508	6.508	0.000	88	212585	80.0	77.9	
49 2,4,5-Trichlorophenol	196	6.543	6.543	0.000	95	216416	80.0	78.1	
\$ 50 2-Fluorobiphenyl	172	6.590	6.590	0.000	98	802274	80.0	77.2	
51 1,1'-Biphenyl	154	6.690	6.690	0.000	96	836957	80.0	77.0	
52 2-Chloronaphthalene	162	6.708	6.708	0.000	97	659747	80.0	76.7	
53 Phenyl ether	170	6.796	6.790	0.006	90	435902	80.0	76.0	
54 2-Nitroaniline	65	6.814	6.808	0.006	97	245736	80.0	80.9	
55 1,3-Dimethylnaphthalene	156	6.926	6.926	0.000	90	477896	80.0	71.9	
58 Dimethyl phthalate	163	7.002	6.996	0.006	99	602108	80.0	77.2	
59 Coumarin	146	7.014	7.014	0.000	77	184704	80.0	74.4	
60 2,6-Dinitrotoluene	165	7.055	7.049	0.006	93	145093	80.0	78.5	
61 Acenaphthylene	152	7.120	7.114	0.006	97	942380	80.0	76.9	
62 3-Nitroaniline	138	7.220	7.220	0.000	92	139654	80.0	78.1	
* 63 Acenaphthene-d10	164	7.255	7.255	0.000	93	278411	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.284	7.284	0.000	98	523711	80.0	74.9	
65 Acenaphthene	154	7.290	7.290	0.000	96	555199	80.0	75.6	
66 2,4-Dinitrophenol	184	7.326	7.320	0.006	92	150908	160.0	158.0	
67 4-Nitrophenol	65	7.402	7.396	0.006	93	214125	160.0	152.8	
68 2,4-Dinitrotoluene	165	7.449	7.449	0.000	92	172185	80.0	82.5	
69 Dibenzofuran	168	7.461	7.461	0.000	96	844113	80.0	76.9	
70 2,3,4,6-Tetrachlorophenol	232	7.584	7.584	0.000	90	142231	80.0	81.9	
71 Diethyl phthalate	149	7.696	7.696	0.000	98	563535	80.0	79.4	
73 4-Chlorophenyl phenyl ethe	204	7.802	7.796	0.006	76	282329	80.0	76.1	
74 Fluorene	166	7.796	7.796	0.000	94	640101	80.0	76.0	
75 4-Nitroaniline	138	7.826	7.820	0.006	92	117544	80.0	79.6	
76 4,6-Dinitro-2-methylphenol	198	7.855	7.855	0.000	79	180412	160.0	165.6	
77 N-Nitrosodiphenylamine	169	7.920	7.920	0.000	69	837533	160.0	154.9	
78 1,2-Diphenylhydrazine	77	7.955	7.955	0.000	99	643036	80.0	78.4	
\$ 79 2,4,6-Tribromophenol	330	8.037	8.037	0.000	91	77803	80.0	75.8	
80 4-Bromophenyl phenyl ether	248	8.278	8.279	-0.001	81	151003	80.0	78.9	
81 Hexachlorobenzene	284	8.349	8.349	0.000	98	152744	80.0	78.4	
83 Pentachlorophenol	266	8.537	8.537	0.000	90	164417	160.0	157.1	
84 Pentachloronitrobenzene	237	8.555	8.555	0.000	85	58220	80.0	73.6	
72 n-Octadecane	57	8.625	8.626	-0.001	91	599456	80.0	80.3	
* 85 Phenanthrene-d10	188	8.720	8.720	0.000	99	336484	40.0	40.0	
86 Phenanthrene	178	8.743	8.743	0.000	98	756383	80.0	77.5	
87 Anthracene	178	8.796	8.790	0.006	98	770946	80.0	78.9	
88 Carbazole	167	8.949	8.949	0.000	96	625637	80.0	79.2	
89 Di-n-butyl phthalate	149	9.302	9.302	0.000	100	723500	80.0	87.0	
90 Fluoranthene	202	9.908	9.908	0.000	98	639431	80.0	79.5	
91 Benzidine	184	10.043	10.043	0.000	99	293900	80.0	79.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.131	10.131	0.000	97	645470	80.0	72.6	
93 Bisphenol-A	213	10.184	10.184	0.000	99	213748	80.0	83.7	
\$ 94 Terphenyl-d14	244	10.290	10.290	0.000	99	397486	80.0	72.1	
95 Butyl benzyl phthalate	149	10.814	10.814	0.000	98	251903	80.0	85.6	
97 Carbamazepine	193	10.931	10.931	0.000	92	219245	80.0	79.6	
98 3,3'-Dichlorobenzidine	252	11.425	11.425	0.000	99	171010	80.0	95.3	
99 Benzo[a]anthracene	228	11.449	11.449	0.000	99	456209	80.0	76.8	
* 100 Chrysene-d12	240	11.461	11.461	0.000	99	194696	40.0	40.0	
101 Chrysene	228	11.490	11.490	0.000	98	416948	80.0	78.8	
102 Bis(2-ethylhexyl) phthalat	149	11.496	11.502	-0.006	90	326852	80.0	89.2	
103 Di-n-octyl phthalate	149	12.349	12.349	0.000	97	577170	80.0	78.6	
104 Benzo[b]fluoranthene	252	12.843	12.843	0.000	98	456915	80.0	80.3	
105 Benzo[k]fluoranthene	252	12.878	12.878	0.000	99	452434	80.0	76.8	
106 Benzo[a]pyrene	252	13.284	13.284	0.000	96	451588	80.0	84.3	
* 107 Perylene-d12	264	13.355	13.361	-0.006	97	202225	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.807	14.802	0.005	99	480030	80.0	88.3	
109 Dibenz(a,h)anthracene	278	14.837	14.831	0.006	96	460783	80.0	87.3	
110 Benzo[g,h,i]perylene	276	15.154	15.149	0.005	95	497273	80.0	84.2	
S 117 Total Cresols	1				0			148.2	

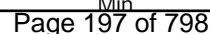
Reagents:

SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132423.D
 Lims ID: STD20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 06-Apr-2016 07:43:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-005
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:08:53 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 08:40:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.538	1.538	0.000	92	64124	20.0	19.6	
2 N-Nitrosodimethylamine	74	1.761	1.761	0.000	74	93045	20.0	20.2	
3 Pyridine	79	1.797	1.797	0.000	75	160322	20.0	20.7	
\$ 4 2-Fluorophenol	112	2.926	2.926	0.000	91	151371	20.0	19.4	
\$ 6 Phenol-d5	99	3.850	3.855	-0.005	86	193085	20.0	19.3	
7 Phenol	94	3.861	3.873	-0.012	97	220073	20.0	21.2	
8 Aniline	93	3.879	3.885	-0.006	97	246455	20.0	21.3	
9 Bis(2-chloroethyl)ether	93	3.944	3.949	-0.005	92	157795	20.0	20.2	
10 2-Chlorophenol	128	4.002	4.008	-0.006	92	170351	20.0	20.6	
11 n-Decane	43	4.061	4.067	-0.006	93	277005	20.0	20.3	
12 1,3-Dichlorobenzene	146	4.161	4.161	0.000	95	193945	20.0	20.5	
* 13 1,4-Dichlorobenzene-d4	152	4.214	4.214	0.000	97	241142	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.232	4.232	0.000	94	192506	20.0	20.4	
15 Benzyl alcohol	108	4.355	4.361	-0.006	90	95024	20.0	20.8	
16 1,2-Dichlorobenzene	146	4.385	4.391	-0.006	95	183294	20.0	20.5	
17 2-Methylphenol	108	4.473	4.479	-0.006	88	142163	20.0	21.0	
18 2,2'-oxybis[1-chloropropan	45	4.497	4.496	0.001	92	341582	20.0	20.9	
22 Acetophenone	105	4.620	4.632	-0.012	93	203560	20.0	21.3	
21 N-Nitrosodi-n-propylamine	70	4.626	4.632	-0.006	96	108189	20.0	21.4	
19 4-Methylphenol	108	4.632	4.638	-0.006	89	155685	20.0	21.7	
20 3 & 4 Methylphenol	108	4.632	4.638	-0.006	92	155685	20.0	21.7	
25 Hexachloroethane	117	4.726	4.732	-0.006	94	79073	20.0	20.5	
\$ 26 Nitrobenzene-d5	82	4.773	4.779	-0.006	94	165732	20.0	19.1	
27 Nitrobenzene	77	4.796	4.802	-0.006	88	228225	20.0	20.2	
28 n,n'-Dimethylaniline	120	4.796	4.802	-0.006	99	239425	20.0	20.9	
29 Isophorone	82	5.032	5.043	-0.011	98	263861	20.0	20.7	
30 2-Nitrophenol	139	5.114	5.120	-0.006	85	83607	20.0	20.8	
31 2,4-Dimethylphenol	122	5.167	5.173	-0.006	89	134585	20.0	20.8	
32 Bis(2-chloroethoxy)methane	93	5.261	5.261	0.000	95	174304	20.0	20.9	
33 Benzoic acid	122	5.261	5.296	-0.035	35	43058	20.0	20.8	
34 2,4-Dichlorophenol	162	5.361	5.367	-0.006	93	129154	20.0	21.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.444	5.449	-0.005	94	141989	20.0	20.1	
* 36 Naphthalene-d8	136	5.502	5.502	0.000	99	856923	40.0	40.0	
37 Naphthalene	128	5.520	5.526	-0.006	99	446455	20.0	20.4	
38 4-Chloroaniline	127	5.579	5.585	-0.006	96	172104	20.0	21.7	
39 Hexachlorobutadiene	225	5.655	5.661	-0.006	93	80836	20.0	20.2	
41 4-Chloro-3-methylphenol	107	6.073	6.079	-0.006	98	116873	20.0	21.6	
42 2-Methylnaphthalene	142	6.214	6.220	-0.006	85	290611	20.0	21.0	
43 1-Methylnaphthalene	142	6.314	6.320	-0.006	93	253262	20.0	21.0	
44 Hexachlorocyclopentadiene	237	6.385	6.385	0.000	94	70933	20.0	19.9	
45 1,2,4,5-Tetrachlorobenzene	216	6.391	6.390	0.000	97	125263	20.0	20.0	
46 2-tertbutyl-4-methylphenol	149	6.426	6.432	-0.006	90	188426	20.0	21.2	
48 2,4,6-Trichlorophenol	196	6.502	6.508	-0.006	88	79355	20.0	20.3	
49 2,4,5-Trichlorophenol	196	6.538	6.543	-0.005	95	83762	20.0	20.5	
\$ 50 2-Fluorobiphenyl	172	6.585	6.590	-0.005	98	291164	20.0	19.0	
51 1,1'-Biphenyl	154	6.685	6.690	-0.005	96	323174	20.0	20.2	
52 2-Chloronaphthalene	162	6.702	6.708	-0.006	97	255136	20.0	20.2	
53 Phenyl ether	170	6.790	6.790	0.000	90	170387	20.0	20.2	
54 2-Nitroaniline	65	6.802	6.808	-0.006	94	93972	20.0	21.0	
55 1,3-Dimethylnaphthalene	156	6.920	6.926	-0.006	90	201731	20.0	20.6	
58 Dimethyl phthalate	163	6.990	6.996	-0.006	99	238250	20.0	20.8	
59 Coumarin	146	7.008	7.014	-0.006	78	74724	20.0	22.1	
60 2,6-Dinitrotoluene	165	7.043	7.049	-0.006	93	57673	20.0	21.2	
61 Acenaphthylene	152	7.114	7.114	0.000	98	367612	20.0	20.4	
62 3-Nitroaniline	138	7.214	7.220	-0.006	93	57174	20.0	21.7	
* 63 Acenaphthene-d10	164	7.255	7.255	0.000	93	409650	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.285	7.284	0.001	98	212160	20.0	20.6	
65 Acenaphthene	154	7.285	7.290	-0.005	95	222648	20.0	20.6	
66 2,4-Dinitrophenol	184	7.314	7.320	-0.006	92	45672	40.0	42.2	
67 4-Nitrophenol	65	7.390	7.396	-0.006	91	78111	40.0	41.6	
68 2,4-Dinitrotoluene	165	7.443	7.449	-0.006	93	68848	20.0	22.4	
69 Dibenzofuran	168	7.455	7.461	-0.006	95	332895	20.0	20.6	
70 2,3,4,6-Tetrachlorophenol	232	7.579	7.584	-0.005	91	55038	20.0	21.5	
71 Diethyl phthalate	149	7.690	7.696	-0.006	98	222532	20.0	21.3	
73 4-Chlorophenyl phenyl ethe	204	7.796	7.796	0.000	77	113608	20.0	20.8	
74 Fluorene	166	7.790	7.796	-0.006	94	257980	20.0	20.8	
75 4-Nitroaniline	138	7.814	7.820	-0.006	93	48067	20.0	22.1	
76 4,6-Dinitro-2-methylphenol	198	7.843	7.855	-0.012	78	62834	40.0	39.5	
77 N-Nitrosodiphenylamine	169	7.914	7.920	-0.006	69	339080	40.0	40.3	
78 1,2-Diphenylhydrazine	77	7.949	7.955	-0.006	99	253998	20.0	19.9	
\$ 79 2,4,6-Tribromophenol	330	8.032	8.037	-0.005	93	28707	20.0	19.6	
80 4-Bromophenyl phenyl ether	248	8.273	8.279	-0.006	82	60898	20.0	20.5	
81 Hexachlorobenzene	284	8.343	8.349	-0.006	99	62568	20.0	20.7	
83 Pentachlorophenol	266	8.537	8.537	0.000	90	56947	40.0	42.3	
84 Pentachloronitrobenzene	237	8.549	8.555	-0.006	84	26082	20.0	21.2	
72 n-Octadecane	57	8.620	8.626	-0.006	90	235024	20.0	20.3	
* 85 Phenanthrene-d10	188	8.714	8.720	-0.006	99	522921	40.0	40.0	
86 Phenanthrene	178	8.737	8.743	-0.006	98	306697	20.0	20.2	
87 Anthracene	178	8.784	8.790	-0.006	98	310284	20.0	20.4	
88 Carbazole	167	8.949	8.949	0.000	96	250385	20.0	20.4	
89 Di-n-butyl phthalate	149	9.296	9.302	-0.006	100	264024	20.0	20.4	
90 Fluoranthene	202	9.902	9.908	-0.006	98	256951	20.0	20.5	
91 Benzidine	184	10.037	10.043	-0.006	99	96903	20.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.126	10.131	-0.005	97	257525	20.0	21.6	
93 Bisphenol-A	213	10.179	10.184	-0.006	99	68741	20.0	20.0	
\$ 94 Terphenyl-d14	244	10.284	10.290	-0.006	99	147244	20.0	19.9	
95 Butyl benzyl phthalate	149	10.808	10.814	-0.006	98	79896	20.0	20.2	
97 Carbamazepine	193	10.926	10.931	-0.005	92	47837	20.0	17.9	
98 3,3'-Dichlorobenzidine	252	11.420	11.425	-0.005	99	49196	20.0	20.4	
99 Benzo[a]anthracene	228	11.443	11.449	-0.006	99	160679	20.0	20.1	
* 100 Chrysene-d12	240	11.455	11.461	-0.006	98	261673	40.0	40.0	
101 Chrysene	228	11.484	11.490	-0.006	98	145002	20.0	20.4	
102 Bis(2-ethylhexyl) phthalat	149	11.496	11.502	-0.006	89	91631	20.0	18.6	
103 Di-n-octyl phthalate	149	12.343	12.349	-0.006	97	151896	20.0	20.2	
104 Benzo[b]fluoranthene	252	12.831	12.843	-0.012	98	122000	20.0	20.9	
105 Benzo[k]fluoranthene	252	12.867	12.878	-0.011	98	129024	20.0	21.4	
106 Benzo[a]pyrene	252	13.272	13.284	-0.012	96	118258	20.0	21.6	
* 107 Perylene-d12	264	13.355	13.361	-0.006	96	206988	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.790	14.802	-0.012	97	109256	20.0	19.6	
109 Dibenz(a,h)anthracene	278	14.819	14.831	-0.012	95	111038	20.0	20.6	
110 Benzo[g,h,i]perylene	276	15.131	15.149	-0.018	95	119856	20.0	19.8	
S 117 Total Cresols	1				0			42.7	

Reagents:

SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160406-39517.b\\L132423.D

Injection Date: 06-Apr-2016 07:43:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD20

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

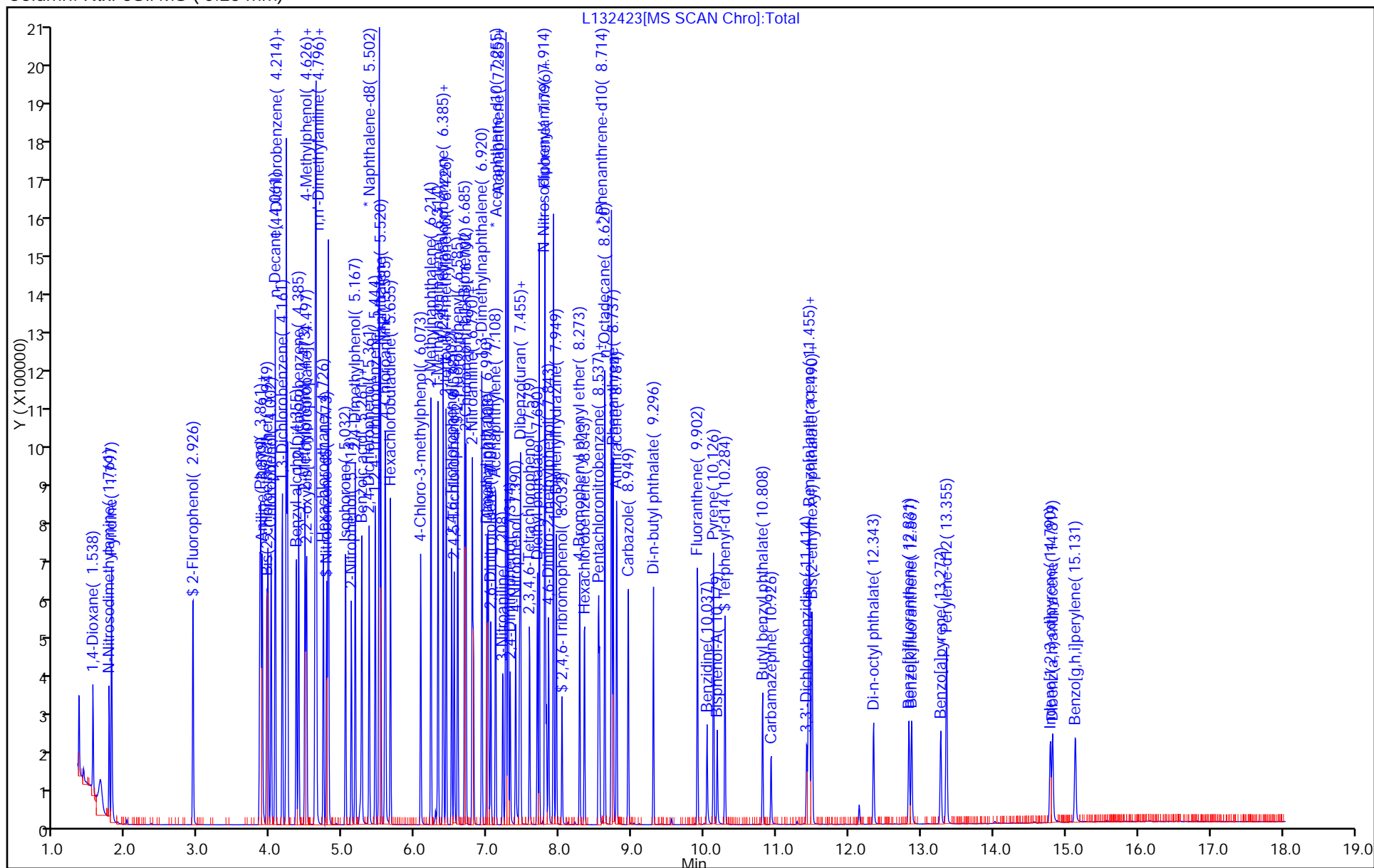
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132424.D
 Lims ID: STD10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 06-Apr-2016 08:09:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-006
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:08:58 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 08:41:02

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	1.544	1.538	0.006	90	34503	10.0	9.82	
2 N-Nitrosodimethylamine	74	1.767	1.761	0.006	75	50807	10.0	10.3	
3 Pyridine	79	1.803	1.797	0.006	75	86720	10.0	10.4	
\$ 4 2-Fluorophenol	112	2.926	2.926	0.000	91	85212	10.0	10.2	
\$ 6 Phenol-d5	99	3.844	3.855	-0.011	86	108387	10.0	10.1	
7 Phenol	94	3.861	3.873	-0.012	97	109151	10.0	9.81	
8 Aniline	93	3.879	3.885	-0.006	98	131210	10.0	10.6	
9 Bis(2-chloroethyl)ether	93	3.944	3.949	-0.005	92	84655	10.0	10.1	
10 2-Chlorophenol	128	4.002	4.008	-0.006	92	90850	10.0	10.3	
11 n-Decane	43	4.061	4.067	-0.006	93	150761	10.0	10.3	
12 1,3-Dichlorobenzene	146	4.155	4.161	-0.006	95	103639	10.0	10.2	
* 13 1,4-Dichlorobenzene-d4	152	4.214	4.214	0.000	98	258444	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.232	4.232	0.000	96	102879	10.0	10.2	
15 Benzyl alcohol	108	4.349	4.361	-0.012	90	49689	10.0	10.1	
16 1,2-Dichlorobenzene	146	4.385	4.391	-0.006	95	99489	10.0	10.4	
17 2-Methylphenol	108	4.473	4.479	-0.006	88	76219	10.0	10.5	
18 2,2'-oxybis[1-chloropropan	45	4.497	4.496	0.001	92	180713	10.0	10.3	
22 Acetophenone	105	4.620	4.632	-0.012	91	106619	10.0	10.4	
21 N-Nitrosodi-n-propylamine	70	4.620	4.632	-0.012	95	56591	10.0	10.4	
19 4-Methylphenol	108	4.632	4.638	-0.006	90	81540	10.0	10.6	
20 3 & 4 Methylphenol	108	4.632	4.638	-0.006	94	81540	10.0	10.6	
25 Hexachloroethane	117	4.726	4.732	-0.006	95	41993	10.0	10.2	
\$ 26 Nitrobenzene-d5	82	4.773	4.779	-0.006	92	91877	10.0	10.1	
27 Nitrobenzene	77	4.791	4.802	-0.011	88	121622	10.0	10.3	
28 n,n'-Dimethylaniline	120	4.796	4.802	-0.006	92	124286	10.0	10.1	
29 Isophorone	82	5.032	5.043	-0.011	98	134196	10.0	10.1	
30 2-Nitrophenol	139	5.114	5.120	-0.006	84	41823	10.0	9.93	
31 2,4-Dimethylphenol	122	5.167	5.173	-0.006	89	69624	10.0	10.3	
32 Bis(2-chloroethoxy)methane	93	5.255	5.261	-0.006	94	90124	10.0	10.3	
33 Benzoic acid	122	5.238	5.296	-0.058	92	14056	10.0	9.16	
34 2,4-Dichlorophenol	162	5.361	5.367	-0.006	94	66089	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.444	5.449	-0.005	94	75266	10.0	10.2	
* 36 Naphthalene-d8	136	5.502	5.502	0.000	99	897531	40.0	40.0	
37 Naphthalene	128	5.520	5.526	-0.006	99	238113	10.0	10.4	
38 4-Chloroaniline	127	5.579	5.585	-0.006	96	89691	10.0	10.8	
39 Hexachlorobutadiene	225	5.655	5.661	-0.006	93	42371	10.0	10.1	
41 4-Chloro-3-methylphenol	107	6.073	6.079	-0.006	98	57308	10.0	10.1	
42 2-Methylnaphthalene	142	6.214	6.220	-0.006	85	151347	10.0	10.4	
43 1-Methylnaphthalene	142	6.314	6.320	-0.006	94	131397	10.0	10.4	
44 Hexachlorocyclopentadiene	237	6.385	6.385	0.000	94	33355	10.0	9.27	
45 1,2,4,5-Tetrachlorobenzene	216	6.385	6.390	-0.005	96	65821	10.0	10.4	
46 2-tertbutyl-4-methylphenol	149	6.426	6.432	-0.006	90	94710	10.0	10.2	
48 2,4,6-Trichlorophenol	196	6.502	6.508	-0.006	88	38411	10.0	10.2	
49 2,4,5-Trichlorophenol	196	6.538	6.543	-0.005	95	40667	10.0	9.91	
\$ 50 2-Fluorobiphenyl	172	6.585	6.590	-0.005	97	156021	10.0	10.1	
51 1,1'-Biphenyl	154	6.685	6.690	-0.005	95	167954	10.0	10.4	
52 2-Chloronaphthalene	162	6.702	6.708	-0.006	97	131598	10.0	10.3	
53 Phenyl ether	170	6.790	6.790	0.000	90	85931	10.0	10.1	
54 2-Nitroaniline	65	6.802	6.808	-0.006	97	46746	10.0	10.4	
55 1,3-Dimethylnaphthalene	156	6.920	6.926	-0.006	91	101353	10.0	10.3	
58 Dimethyl phthalate	163	6.990	6.996	-0.006	99	118075	10.0	10.2	
59 Coumarin	146	7.002	7.014	-0.012	78	35118	10.0	9.93	
60 2,6-Dinitrotoluene	165	7.043	7.049	-0.006	94	27877	10.0	10.2	
61 Acenaphthylene	152	7.108	7.114	-0.006	97	188224	10.0	10.4	
62 3-Nitroaniline	138	7.208	7.220	-0.012	91	26413	10.0	9.97	
* 63 Acenaphthene-d10	164	7.255	7.255	0.000	93	412595	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.279	7.284	-0.005	98	105525	10.0	10.2	
65 Acenaphthene	154	7.285	7.290	-0.005	95	114496	10.0	10.5	
66 2,4-Dinitrophenol	184	7.314	7.320	-0.006	92	15334	20.0	18.0	
67 4-Nitrophenol	65	7.385	7.396	-0.011	94	32858	20.0	20.3	
68 2,4-Dinitrotoluene	165	7.443	7.449	-0.006	95	31754	10.0	10.3	
69 Dibenzofuran	168	7.455	7.461	-0.006	96	168580	10.0	10.4	
70 2,3,4,6-Tetrachlorophenol	232	7.579	7.584	-0.005	91	24897	10.0	9.67	
71 Diethyl phthalate	149	7.685	7.696	-0.011	98	102189	10.0	9.71	
73 4-Chlorophenyl phenyl ethe	204	7.796	7.796	0.000	79	57422	10.0	10.4	
74 Fluorene	166	7.790	7.796	-0.006	94	129349	10.0	10.4	
75 4-Nitroaniline	138	7.808	7.820	-0.012	92	22172	10.0	10.1	
76 4,6-Dinitro-2-methylphenol	198	7.843	7.855	-0.012	79	25589	20.0	18.7	
77 N-Nitrosodiphenylamine	169	7.908	7.920	-0.012	68	165292	20.0	20.8	
78 1,2-Diphenylhydrazine	77	7.949	7.955	-0.006	99	124032	10.0	10.3	
\$ 79 2,4,6-Tribromophenol	330	8.032	8.037	-0.005	93	13215	10.0	9.36	
80 4-Bromophenyl phenyl ether	248	8.273	8.279	-0.006	81	28827	10.0	10.2	
81 Hexachlorobenzene	284	8.337	8.349	-0.012	98	29924	10.0	10.4	
83 Pentachlorophenol	266	8.532	8.537	-0.005	90	21447	20.0	19.4	
84 Pentachloronitrobenzene	237	8.549	8.555	-0.006	85	11577	10.0	9.95	
72 n-Octadecane	57	8.620	8.626	-0.006	89	111258	10.0	10.1	
* 85 Phenanthrene-d10	188	8.714	8.720	-0.006	99	494756	40.0	40.0	
86 Phenanthrene	178	8.737	8.743	-0.006	97	148978	10.0	10.4	
87 Anthracene	178	8.784	8.790	-0.006	98	148141	10.0	10.3	
88 Carbazole	167	8.943	8.949	-0.006	96	117682	10.0	10.1	
89 Di-n-butyl phthalate	149	9.296	9.302	-0.006	100	111693	10.0	9.14	
90 Fluoranthene	202	9.902	9.908	-0.006	98	115485	10.0	9.76	
91 Benzidine	184	10.037	10.043	-0.006	99	37625	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.126	10.131	-0.005	97	114451	10.0	10.9	
93 Bisphenol-A	213	10.179	10.184	-0.006	99	28700	10.0	9.54	
\$ 94 Terphenyl-d14	244	10.284	10.290	-0.006	98	69152	10.0	10.7	
95 Butyl benzyl phthalate	149	10.808	10.814	-0.006	98	32003	10.0	9.25	
97 Carbamazepine	193	10.920	10.931	-0.011	92	13906	10.0	9.43	
98 3,3'-Dichlorobenzidine	252	11.414	11.425	-0.011	98	18877	10.0	8.94	
99 Benzo[a]anthracene	228	11.443	11.449	-0.006	99	67169	10.0	9.61	
* 100 Chrysene-d12	240	11.455	11.461	-0.006	99	229136	40.0	40.0	
101 Chrysene	228	11.484	11.490	-0.006	99	63769	10.0	10.2	
102 Bis(2-ethylhexyl) phthalat	149	11.496	11.502	-0.006	89	38474	10.0	8.92	
103 Di-n-octyl phthalate	149	12.343	12.349	-0.006	97	62266	10.0	10.1	
104 Benzo[b]fluoranthene	252	12.831	12.843	-0.012	98	49949	10.0	10.5	
105 Benzo[k]fluoranthene	252	12.867	12.878	-0.011	99	50200	10.0	10.2	
106 Benzo[a]pyrene	252	13.267	13.284	-0.017	95	45961	10.0	10.2	
* 107 Perylene-d12	264	13.349	13.361	-0.012	96	169415	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.784	14.802	-0.018	97	45397	10.0	9.97	
109 Dibenz(a,h)anthracene	278	14.819	14.831	-0.012	95	41548	10.0	9.40	
110 Benzo[g,h,i]perylene	276	15.131	15.149	-0.018	94	45906	10.0	9.28	
S 117 Total Cresols	1				0			21.1	

Reagents:

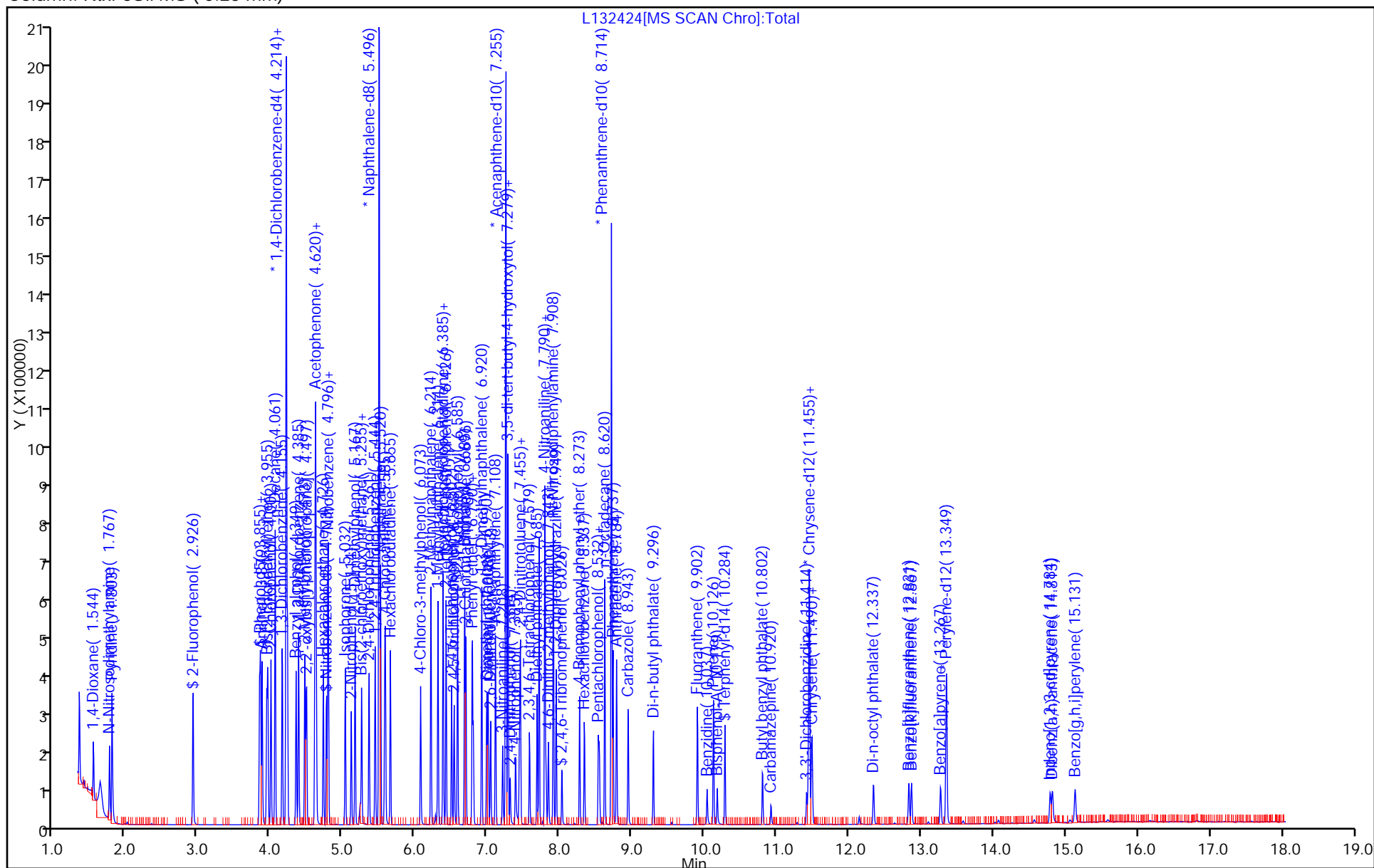
SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160406-39517.b\\L132424.D		
Injection Date:	06-Apr-2016 08:09:30	Instrument ID:	CBNAMS12
Lims ID:	STD10		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 6



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132425.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 06-Apr-2016 08:35:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-007
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:09:03 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 09:23:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.544	1.538	0.006	90	15927	5.00	4.77	
2 N-Nitrosodimethylamine	74	1.767	1.761	0.006	73	21483	5.00	4.59	
3 Pyridine	79	1.802	1.797	0.005	74	38189	5.00	4.84	
\$ 4 2-Fluorophenol	112	2.926	2.926	0.000	89	38965	5.00	4.91	
\$ 6 Phenol-d5	99	3.843	3.855	-0.012	86	52405	5.00	5.13	
7 Phenol	94	3.855	3.873	-0.018	98	54301	5.00	5.14	
8 Aniline	93	3.879	3.885	-0.006	99	58775	5.00	4.98	
9 Bis(2-chloroethyl)ether	93	3.943	3.949	-0.006	93	38859	5.00	4.89	
10 2-Chlorophenol	128	4.002	4.008	-0.006	93	41522	5.00	4.93	
11 n-Decane	43	4.061	4.067	-0.006	93	69016	5.00	4.95	
12 1,3-Dichlorobenzene	146	4.155	4.161	-0.006	94	48040	5.00	4.99	
* 13 1,4-Dichlorobenzene-d4	152	4.214	4.214	0.000	97	245582	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.232	4.232	0.000	94	48682	5.00	5.06	
15 Benzyl alcohol	108	4.349	4.361	-0.012	89	22532	5.00	4.83	
16 1,2-Dichlorobenzene	146	4.385	4.391	-0.006	95	45081	5.00	4.96	
17 2-Methylphenol	108	4.467	4.479	-0.012	88	34456	5.00	5.00	
18 2,2'-oxybis[1-chloropropan	45	4.490	4.496	-0.006	92	84908	5.00	5.11	
22 Acetophenone	105	4.614	4.632	-0.018	91	49823	5.00	5.13	
21 N-Nitrosodi-n-propylamine	70	4.620	4.632	-0.012	96	25434	5.00	4.94	
19 4-Methylphenol	108	4.626	4.638	-0.012	91	37932	5.00	5.20	
20 3 & 4 Methylphenol	108	4.626	4.638	-0.012	89	37932	5.00	5.20	
25 Hexachloroethane	117	4.726	4.732	-0.006	94	19152	5.00	4.88	
\$ 26 Nitrobenzene-d5	82	4.767	4.779	-0.012	92	45023	5.00	5.18	
27 Nitrobenzene	77	4.790	4.802	-0.012	92	55787	5.00	4.93	
28 n,n'-Dimethylaniline	120	4.796	4.802	-0.006	93	60020	5.00	5.14	
29 Isophorone	82	5.032	5.043	-0.011	98	63068	5.00	4.95	
30 2-Nitrophenol	139	5.114	5.120	-0.006	84	18683	5.00	4.64	
31 2,4-Dimethylphenol	122	5.167	5.173	-0.006	90	32254	5.00	4.98	
32 Bis(2-chloroethoxy)methane	93	5.255	5.261	-0.006	95	40346	5.00	4.84	
33 Benzoic acid	122	5.226	5.296	-0.070	86	2691	5.00	4.72	
34 2,4-Dichlorophenol	162	5.361	5.367	-0.006	94	30188	5.00	4.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.443	5.449	-0.006	95	34895	5.00	4.92	
* 36 Naphthalene-d8	136	5.496	5.502	-0.006	99	858106	40.0	40.0	
37 Naphthalene	128	5.520	5.526	-0.006	99	110652	5.00	5.06	
38 4-Chloroaniline	127	5.579	5.585	-0.006	95	39977	5.00	5.03	
39 Hexachlorobutadiene	225	5.655	5.661	-0.006	93	20100	5.00	5.02	
41 4-Chloro-3-methylphenol	107	6.073	6.079	-0.006	98	25815	5.00	4.76	
42 2-Methylnaphthalene	142	6.214	6.220	-0.006	84	69040	5.00	4.98	
43 1-Methylnaphthalene	142	6.314	6.320	-0.006	93	61698	5.00	5.12	
44 Hexachlorocyclopentadiene	237	6.384	6.385	-0.001	95	12928	5.00	3.74	
45 1,2,4,5-Tetrachlorobenzene	216	6.384	6.390	-0.006	95	30112	5.00	4.96	
46 2-tertbutyl-4-methylphenol	149	6.426	6.432	-0.006	90	46391	5.00	5.21	
48 2,4,6-Trichlorophenol	196	6.502	6.508	-0.006	88	16130	5.00	4.90	
49 2,4,5-Trichlorophenol	196	6.537	6.543	-0.006	96	18718	5.00	4.74	
\$ 50 2-Fluorobiphenyl	172	6.584	6.590	-0.006	98	77027	5.00	5.20	
51 1,1'-Biphenyl	154	6.684	6.690	-0.006	95	77442	5.00	5.00	
52 2-Chloronaphthalene	162	6.696	6.708	-0.012	98	62059	5.00	5.06	
53 Phenyl ether	170	6.790	6.790	0.000	90	41235	5.00	5.04	
54 2-Nitroaniline	65	6.802	6.808	-0.006	97	20236	5.00	4.67	
55 1,3-Dimethylnaphthalene	156	6.920	6.926	-0.006	91	49569	5.00	5.23	
58 Dimethyl phthalate	163	6.984	6.996	-0.012	99	52874	5.00	4.76	
59 Coumarin	146	7.002	7.014	-0.012	78	16324	5.00	4.83	
60 2,6-Dinitrotoluene	165	7.043	7.049	-0.006	93	12488	5.00	4.74	
61 Acenaphthylene	152	7.108	7.114	-0.006	97	86830	5.00	4.97	
62 3-Nitroaniline	138	7.208	7.220	-0.012	92	10991	5.00	4.31	
* 63 Acenaphthene-d10	164	7.255	7.255	0.000	93	396914	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.278	7.284	-0.006	98	49859	5.00	5.00	
65 Acenaphthene	154	7.284	7.290	-0.006	96	52454	5.00	5.01	
66 2,4-Dinitrophenol	184	7.314	7.320	-0.006	93	3615	10.0	8.35	
67 4-Nitrophenol	65	7.390	7.396	-0.006	90	10079	10.0	9.89	
68 2,4-Dinitrotoluene	165	7.437	7.449	-0.012	95	13626	5.00	4.58	
69 Dibenzofuran	168	7.455	7.461	-0.006	96	78541	5.00	5.02	
70 2,3,4,6-Tetrachlorophenol	232	7.578	7.584	-0.006	90	9757	5.00	3.94	
71 Diethyl phthalate	149	7.684	7.696	-0.012	98	45162	5.00	4.46	
73 4-Chlorophenyl phenyl ethe	204	7.796	7.796	0.000	76	26700	5.00	5.05	
74 Fluorene	166	7.790	7.796	-0.006	95	60378	5.00	5.03	
75 4-Nitroaniline	138	7.808	7.820	-0.012	94	8690	5.00	4.13	
76 4,6-Dinitro-2-methylphenol	198	7.843	7.855	-0.012	81	8493	10.0	8.61	
77 N-Nitrosodiphenylamine	169	7.908	7.920	-0.012	69	75596	10.0	10.2	
78 1,2-Diphenylhydrazine	77	7.949	7.955	-0.006	99	56733	5.00	5.03	
\$ 79 2,4,6-Tribromophenol	330	8.031	8.037	-0.006	90	5895	5.00	4.75	
80 4-Bromophenyl phenyl ether	248	8.273	8.279	-0.006	81	12538	5.00	4.76	
81 Hexachlorobenzene	284	8.337	8.349	-0.012	98	13595	5.00	5.07	
83 Pentachlorophenol	266	8.537	8.537	0.000	90	6203	10.0	8.45	
84 Pentachloronitrobenzene	237	8.549	8.555	-0.006	85	5271	5.00	4.84	
72 n-Octadecane	57	8.620	8.626	-0.006	91	50217	5.00	4.89	
* 85 Phenanthrene-d10	188	8.714	8.720	-0.006	99	462712	40.0	40.0	
86 Phenanthrene	178	8.737	8.743	-0.006	97	65800	5.00	4.90	
87 Anthracene	178	8.784	8.790	-0.006	98	63340	5.00	4.71	
88 Carbazole	167	8.943	8.949	-0.006	96	49683	5.00	4.57	
89 Di-n-butyl phthalate	149	9.296	9.302	-0.006	99	42831	5.00	3.75	
90 Fluoranthene	202	9.902	9.908	-0.006	98	49512	5.00	4.48	
91 Benzidine	184	10.037	10.043	-0.006	99	16395	5.00	5.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.125	10.131	-0.006	97	48764	5.00	5.53	
93 Bisphenol-A	213	10.178	10.184	-0.006	99	11300	5.00	4.46	
\$ 94 Terphenyl-d14	244	10.284	10.290	-0.006	98	30064	5.00	5.49	
95 Butyl benzyl phthalate	149	10.808	10.814	-0.006	98	11764	5.00	4.03	
97 Carbamazepine	193	10.919	10.931	-0.012	92	4002	5.00	6.62	
98 3,3'-Dichlorobenzidine	252	11.414	11.425	-0.011	98	7582	5.00	4.26	
99 Benzo[a]anthracene	228	11.443	11.449	-0.006	99	27269	5.00	4.62	
* 100 Chrysene-d12	240	11.455	11.461	-0.006	99	193264	40.0	40.0	
101 Chrysene	228	11.484	11.490	-0.006	98	25700	5.00	4.90	
102 Bis(2-ethylhexyl) phthalat	149	11.496	11.502	-0.006	88	14936	5.00	4.11	
103 Di-n-octyl phthalate	149	12.343	12.349	-0.006	97	24997	5.00	4.64	
104 Benzo[b]fluoranthene	252	12.831	12.843	-0.012	97	19892	5.00	4.77	
105 Benzo[k]fluoranthene	252	12.866	12.878	-0.012	97	21028	5.00	4.87	
106 Benzo[a]pyrene	252	13.272	13.284	-0.012	94	18852	5.00	4.80	
* 107 Perylene-d12	264	13.349	13.361	-0.012	96	148278	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.784	14.802	-0.018	97	17536	5.00	4.40	
109 Dibenz(a,h)anthracene	278	14.819	14.831	-0.012	94	18580	5.00	4.80	
110 Benzo[g,h,i]perylene	276	15.131	15.149	-0.018	95	19747	5.00	4.56	
S 117 Total Cresols	1				0			10.2	

Reagents:

SV_IC_BNA_L3_00012

Amount Added: 1.00

Units: mL

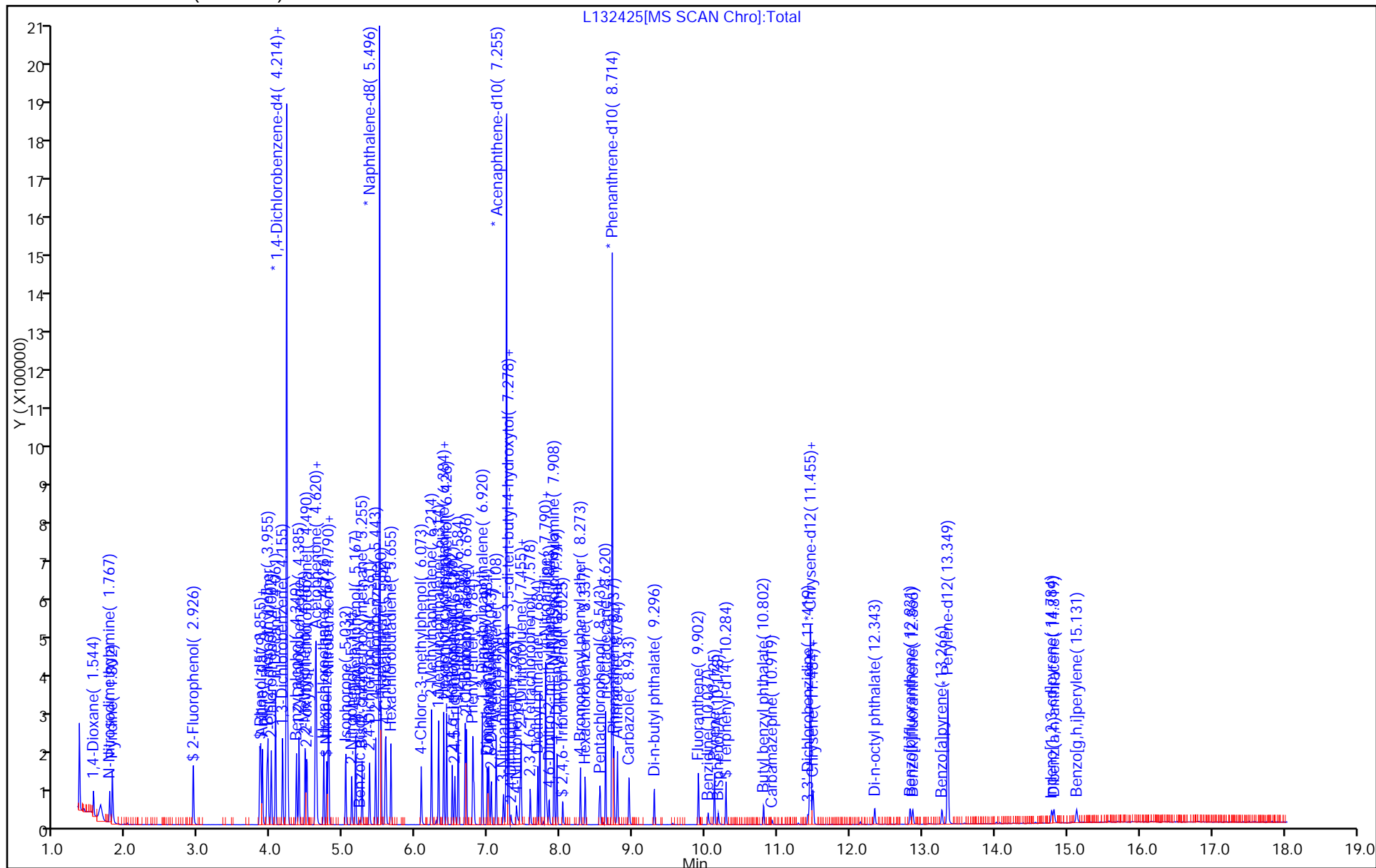
Operator ID:

Worklist Smp#: 7

ALS Bottle#: 7

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132426.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 06-Apr-2016 09:01:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-008
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:09:07 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 10:30:17

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	2.926	2.926	0.000	89	14685	2.00	1.98	
\$ 6 Phenol-d5	99	3.844	3.855	-0.011	84	19907	2.00	2.08	
9 Bis(2-chloroethyl)ether	93	3.944	3.949	-0.005	91	15164	2.00	2.04	
* 13 1,4-Dichlorobenzene-d4	152	4.214	4.214	0.000	97	229855	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.620	4.632	-0.012	95	10161	2.00	2.11	
25 Hexachloroethane	117	4.726	4.732	-0.006	93	7201	2.00	1.96	
\$ 26 Nitrobenzene-d5	82	4.767	4.779	-0.012	92	17517	2.00	2.12	
27 Nitrobenzene	77	4.791	4.802	-0.011	88	21416	2.00	1.99	
28 n,n'-Dimethylaniline	120	4.796	4.802	-0.006	92	22790	2.00	2.08	
29 Isophorone	82	5.032	5.043	-0.011	98	25229	2.00	2.08	
34 2,4-Dichlorophenol	162	5.361	5.367	-0.006	93	9689	2.00	1.68	
35 1,2,4-Trichlorobenzene	180	5.443	5.449	-0.006	95	13646	2.00	2.02	
* 36 Naphthalene-d8	136	5.496	5.502	-0.006	99	816602	40.0	40.0	
39 Hexachlorobutadiene	225	5.655	5.661	-0.006	92	7644	2.00	2.00	
48 2,4,6-Trichlorophenol	196	6.502	6.508	-0.006	89	4684	2.00	2.01	
\$ 50 2-Fluorobiphenyl	172	6.585	6.590	-0.005	97	31615	2.00	2.17	
60 2,6-Dinitrotoluene	165	7.043	7.049	-0.006	94	5189	2.00	2.00	
* 63 Acenaphthene-d10	164	7.249	7.255	-0.006	94	391074	40.0	40.0	
66 2,4-Dinitrophenol	184	7.326	7.320	0.006	1	73	4.00	5.22	M
68 2,4-Dinitrotoluene	165	7.437	7.449	-0.012	67	5471	2.00	1.87	
76 4,6-Dinitro-2-methylphenol	198	7.843	7.855	-0.012	76	1957	4.00	4.27	
77 N-Nitrosodiphenylamine	169	7.908	7.920	-0.012	69	31097	4.00	3.99	
\$ 79 2,4,6-Tribromophenol	330	8.032	8.037	-0.005	87	1761	2.00	1.97	
81 Hexachlorobenzene	284	8.337	8.349	-0.012	98	5683	2.00	2.03	
83 Pentachlorophenol	266	8.555	8.537	0.018	1	394	4.00	3.77	
* 85 Phenanthrene-d10	188	8.714	8.720	-0.006	99	484458	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.284	10.290	-0.006	98	14299	2.00	2.21	
98 3,3'-Dichlorobenzidine	252	11.420	11.425	-0.005	94	3107	2.00	1.47	
99 Benzo[a]anthracene	228	11.437	11.449	-0.012	99	13733	2.00	1.97	
* 100 Chrysene-d12	240	11.449	11.461	-0.012	99	228854	40.0	40.0	
104 Benzo[b]fluoranthene	252	12.825	12.843	-0.018	98	10021	2.00	2.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 Benzo[k]fluoranthene	252	12.867	12.878	-0.011	97	9710	2.00	1.93	
106 Benzo[a]pyrene	252	13.267	13.284	-0.018	97	8785	2.00	1.92	
* 107 Perylene-d12	264	13.349	13.361	-0.012	96	172758	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.784	14.802	-0.018	95	7909	2.00	1.70	
109 Dibenz(a,h)anthracene	278	14.819	14.831	-0.012	92	8331	2.00	1.85	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L0_00008

Amount Added: 1.00

Units: mL

Operator ID:

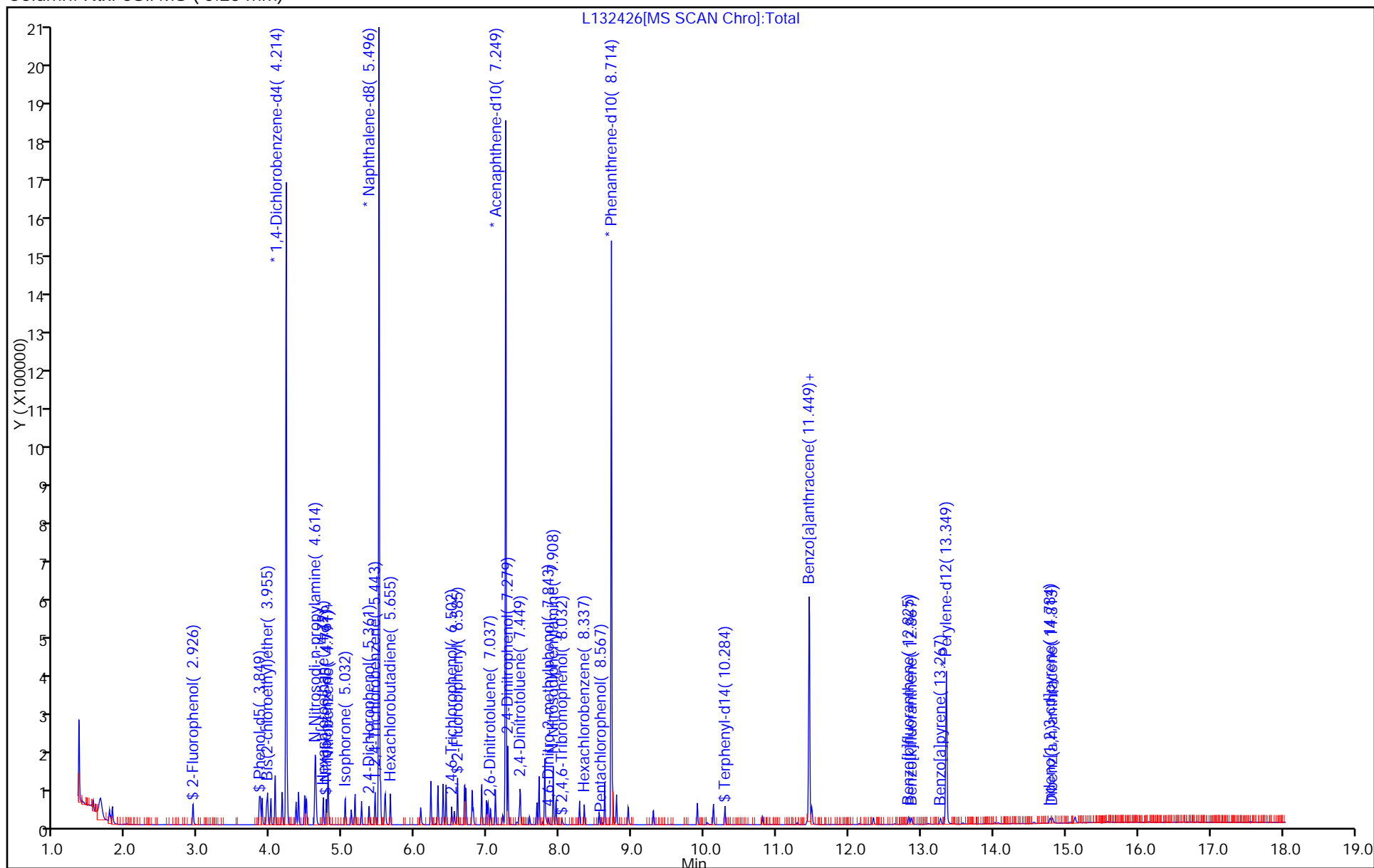
Worklist Smp#: 8

Client ID:

ALS Bottle#: 8

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

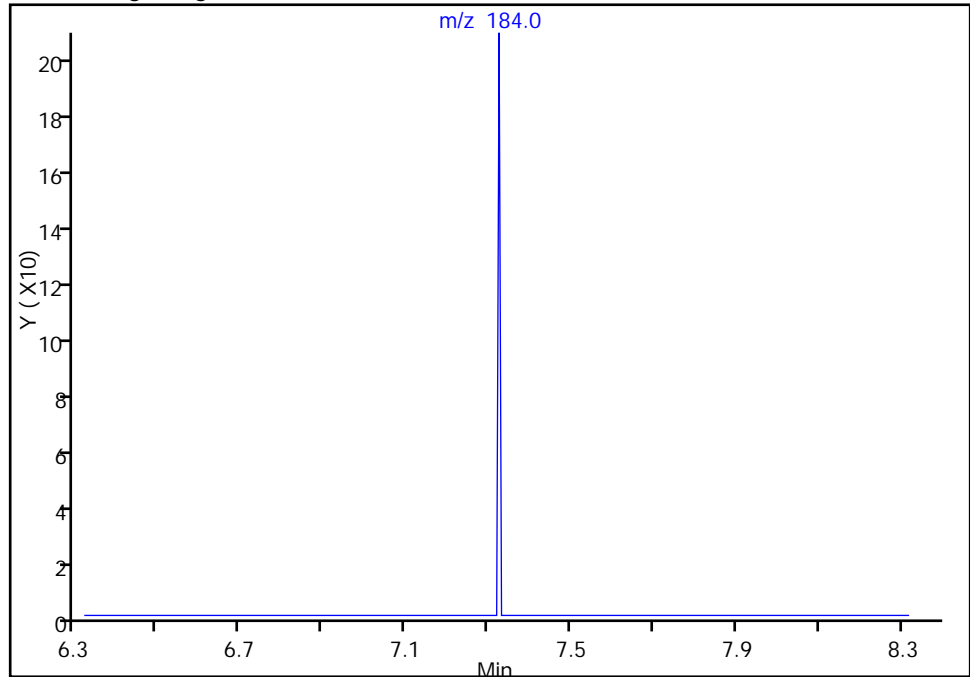
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Injection Date: 06-Apr-2016 09:01:30 Instrument ID: CBNAMS12
Lims ID: STD2
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

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

66 2,4-Dinitrophenol, CAS: 51-28-5

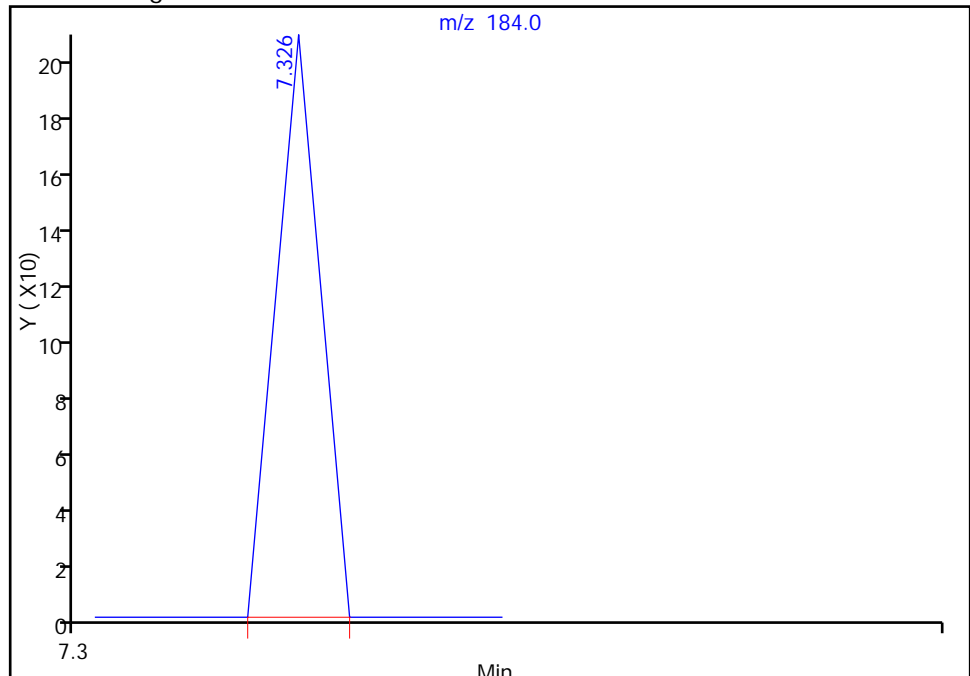
Not Detected
Expected RT: 7.32

Processing Integration Results



RT: 7.33
Area: 73
Amount: 5.220919
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 06-Apr-2016 10:30:17
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132427.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 06-Apr-2016 09:27:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-009
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:09:11 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 10:26:54

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	2.926	2.926	0.000	86	6045	1.00	0.7536	
\$ 6 Phenol-d5	99	3.844	3.855	-0.011	84	9113	1.00	0.8838	
9 Bis(2-chloroethyl)ether	93	3.944	3.949	-0.005	90	8350	1.00	1.04	
* 13 1,4-Dichlorobenzene-d4	152	4.214	4.214	0.000	98	248134	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.620	4.632	-0.012	97	5310	1.00	1.02	
25 Hexachloroethane	117	4.726	4.732	-0.006	93	4119	1.00	1.04	
\$ 26 Nitrobenzene-d5	82	4.767	4.779	-0.012	93	8287	1.00	0.9315	
27 Nitrobenzene	77	4.791	4.802	-0.011	89	11841	1.00	1.02	
28 n,n'-Dimethylaniline	120	4.796	4.802	-0.006	94	11864	1.00	1.01	
35 1,2,4-Trichlorobenzene	180	5.443	5.449	-0.006	95	7441	1.00	1.03	
* 36 Naphthalene-d8	136	5.496	5.502	-0.006	99	877518	40.0	40.0	
39 Hexachlorobutadiene	225	5.655	5.661	-0.006	91	4081	1.00	1.00	
\$ 50 2-Fluorobiphenyl	172	6.585	6.590	-0.005	97	13989	1.00	0.9050	
60 2,6-Dinitrotoluene	165	7.043	7.049	-0.006	92	2523	1.00	0.9174	
* 63 Acenaphthene-d10	164	7.255	7.255	0.000	93	414163	40.0	40.0	
68 2,4-Dinitrotoluene	165	7.443	7.449	-0.006	51	2438	1.00	0.7857	
\$ 79 2,4,6-Tribromophenol	330	8.043	8.037	0.006	1	413	1.00	1.02	
81 Hexachlorobenzene	284	8.337	8.349	-0.012	97	2862	1.00	0.9885	
* 85 Phenanthrene-d10	188	8.714	8.720	-0.006	99	499825	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.284	10.290	-0.006	98	5439	1.00	0.9301	
99 Benzo[a]anthracene	228	11.437	11.449	-0.012	97	6491	1.00	1.03	
* 100 Chrysene-d12	240	11.449	11.461	-0.012	98	206521	40.0	40.0	
104 Benzo[b]fluoranthene	252	12.831	12.843	-0.012	98	4132	1.00	0.9299	
105 Benzo[k]fluoranthene	252	12.867	12.878	-0.011	97	4645	1.00	1.01	
106 Benzo[a]pyrene	252	13.272	13.284	-0.012	94	3730	1.00	0.8921	
* 107 Perylene-d12	264	13.349	13.361	-0.012	96	157861	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.784	14.802	-0.018	91	4042	1.00	0.9525	
109 Dibenz(a,h)anthracene	278	14.813	14.831	-0.018	92	3968	1.00	0.9630	

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160406-39517.b\\L132427.D

Injection Date: 06-Apr-2016 09:27:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

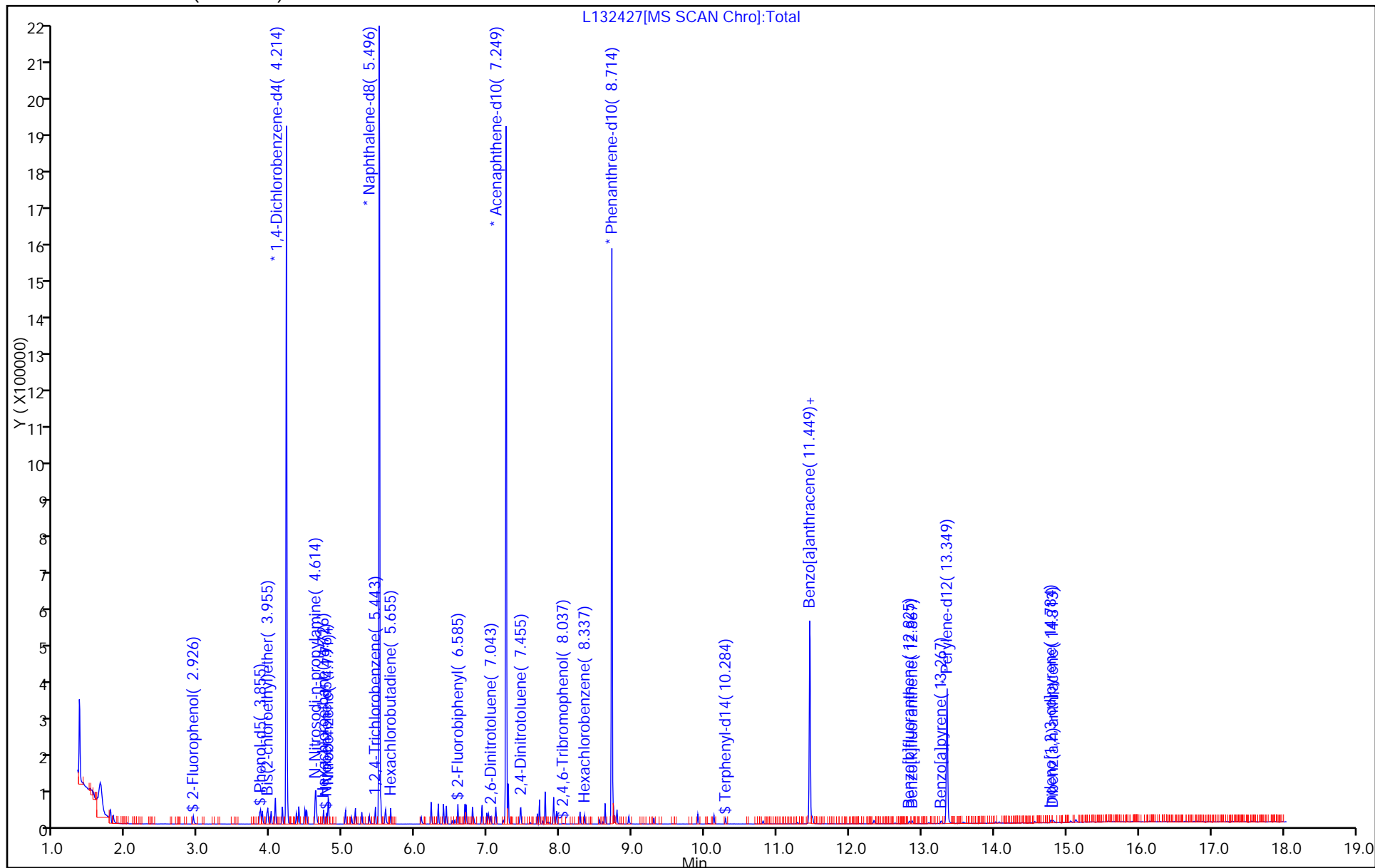
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Lims ID: STD05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 06-Apr-2016 09:53:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-010
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:09:16 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 10:27:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	3.944	3.949	-0.005	95	4099	0.5000	0.5247	
* 13 1,4-Dichlorobenzene-d4	152	4.214	4.214	0.000	98	241422	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.620	4.632	-0.012	94	2508	0.5000	0.4954	
25 Hexachloroethane	117	4.726	4.732	-0.006	92	1914	0.5000	0.4966	
\$ 26 Nitrobenzene-d5	82	4.767	4.779	-0.012	92	3883	0.5000	0.4350	
27 Nitrobenzene	77	4.791	4.802	-0.011	90	5802	0.5000	0.5001	
28 n,n'-Dimethylaniline	120	4.797	4.802	-0.006	91	6208	0.5000	0.5406	
35 1,2,4-Trichlorobenzene	180	5.444	5.449	-0.005	93	3934	0.5000	0.5408	
* 36 Naphthalene-d8	136	5.496	5.502	-0.006	99	880483	40.0	40.0	
\$ 50 2-Fluorobiphenyl	172	6.585	6.590	-0.005	96	7272	0.5000	0.4503	
* 63 Acenaphthene-d10	164	7.249	7.255	-0.006	93	432741	40.0	40.0	
81 Hexachlorobenzene	284	8.337	8.349	-0.012	92	1480	0.5000	0.4591	
* 85 Phenanthrene-d10	188	8.714	8.720	-0.006	99	556555	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.284	10.290	-0.006	98	3361	0.5000	0.4844	
99 Benzo[a]anthracene	228	11.437	11.449	-0.012	97	4247	0.5000	0.5682	
* 100 Chrysene-d12	240	11.449	11.461	-0.012	99	245013	40.0	40.0	
104 Benzo[b]fluoranthene	252	12.831	12.843	-0.012	94	2168	0.5000	0.4353	
105 Benzo[k]fluoranthene	252	12.867	12.878	-0.011	95	2486	0.5000	0.4824	
106 Benzo[a]pyrene	252	13.267	13.284	-0.017	95	1954	0.5000	0.4169	
* 107 Perylene-d12	264	13.349	13.361	-0.012	96	176946	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.790	14.802	-0.012	89	2261	0.5000	0.4753	
109 Dibenz(a,h)anthracene	278	14.814	14.831	-0.017	92	2012	0.5000	0.4356	

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D

Injection Date: 06-Apr-2016 09:53:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

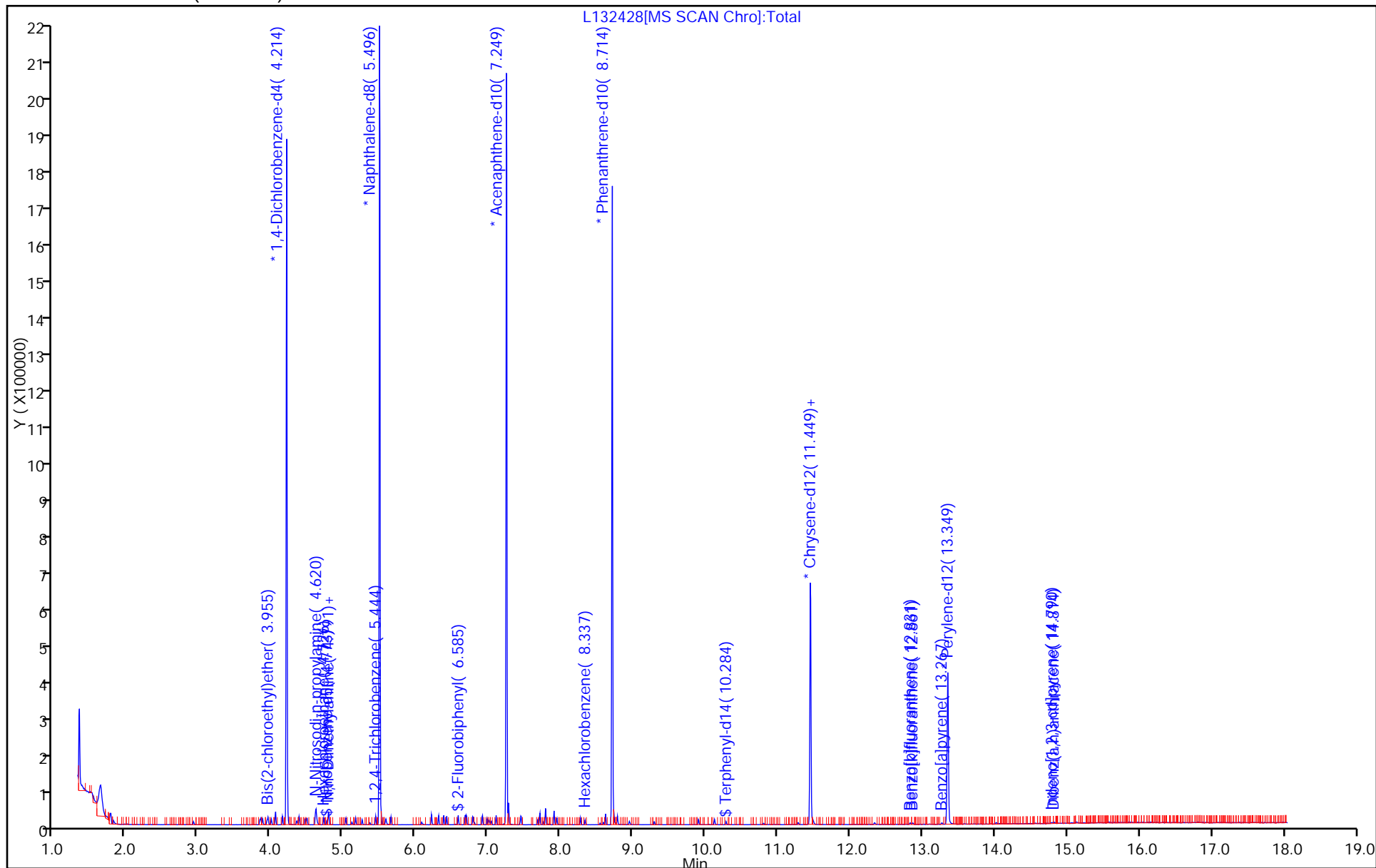
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-361914/10	x12700.D
Level 2	STD1 460-361914/9	x12699.D
Level 3	STD2 460-361914/8	x12698.D
Level 4	STD5 460-361914/7	x12697.D
Level 5	STD10 460-361914/6	x12696.D
Level 6	STD20 460-361914/5	x12695.D
Level 7	ICIS 460-361914/2	x12692.D
Level 8	STD80 460-361914/4	x12694.D
Level 9	STD120 460-361914/3	x12693.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5225	0.4889	0.4776	0.5251 0.4974	0.5469	Ave		0.5097				5.1		20.0			
N-Nitrosodimethylamine	0.7313	0.6666	0.6629	0.7413 0.6782	0.7629	Ave		0.7072				6.1		20.0			
Pyridine	1.2565	1.1191	1.1314	1.2796 1.1902	1.3269	Ave		1.2173				6.9		20.0			
Phenol	1.6650	1.4214	1.3711	1.7784 1.3928	1.7941	Ave		1.5705			0.8000	12.6		20.0			
Aniline	1.9858	1.8105	1.7419	2.0788 1.6992	2.1129	Ave		1.9048				9.3		20.0			
Bis(2-chloroethyl)ether	1.4750 1.1964	1.5155 1.0262	1.4597 0.9965	1.3076 1.0622	1.3000	Ave		1.2599			0.7000	15.9		20.0			
2-Chlorophenol	1.4423	1.2555	1.2117	1.5039 1.1904	1.5572	Ave		1.3602			0.8000	11.8		20.0			
n-Decane	1.7593	1.4268	1.3398	2.0884 +++++	2.0367	Ave		1.7302				19.8		20.0			
1,3-Dichlorobenzene	1.7956	1.5996	1.5447	1.8908 1.6030	1.9061	Ave		1.7233				9.3		20.0			
1,4-Dichlorobenzene	1.7486	1.5711	1.5182	1.8644 1.5874	1.8643	Ave		1.6923				9.1		20.0			
Benzyl alcohol	0.8522	0.8019	0.7956	0.9199 0.7761	0.9237	Ave		0.8449				7.7		20.0			
1,2-Dichlorobenzene	1.6997	1.4907	1.4150	1.7972 1.4539	1.8083	Ave		1.6108				11.1		20.0			
2-Methylphenol	1.2625	1.0996	1.0392	1.3621 1.0272	1.3421	Ave		1.1888			0.7000	12.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	2.0822	1.7516	1.5596	2.3419 1.4234	2.3119	Qua	4.7359	1.8229	-0.003707		0.0100				0.9990		0.9900
3 & 4 Methylphenol	1.1649	1.0432	1.0306	1.3956 1.0639	1.3059	Ave		1.1674				13.1		20.0			
4-Methylphenol	1.1649	1.0432	1.0306	1.3956 1.0639	1.3059	Ave		1.1674			0.6000	13.1		20.0			
Acetophenone	1.4501	1.2969	1.2826	1.7353 1.3441	1.6317	Ave		1.4568			0.0100	12.9		20.0			
N-Nitrosodi-n-propylamine	1.0538 0.7174	0.9886 0.6808	1.0232 0.6781	0.8762 0.6706	0.8269	Ave		0.8351			0.5000	18.8		20.0			
Hexachloroethane	0.6811 0.6004	0.6781 0.5266	0.6927 0.4973	0.6504 0.5161	0.6561	Ave		0.6110			0.3000	12.8		20.0			
Nitrobenzene	0.6166 0.5016	0.6154 0.4468	0.6128 0.4239	0.5738 0.4542	0.5510	Ave		0.5329			0.2000	14.6		20.0			
n,n'-Dimethylaniline	2.4723 1.9028	2.3967 1.7147	2.4154 1.6022	2.2446 1.6881	2.1077	Ave		2.0605				16.6		20.0			
Isophorone	0.6363	0.5936	0.7560 0.5760	0.6868 0.6009	0.6954	Ave		0.6493			0.4000	10.1		20.0			
2-Nitrophenol	0.2133	0.1866	0.1911	0.2070 0.1916	0.2150	Ave		0.2008			0.1000	6.2		20.0			
2,4-Dimethylphenol	0.3452	0.3046	0.2940	0.3641 0.3017	0.3723	Ave		0.3303			0.2000	10.4		20.0			
Bis(2-chloroethoxy)methane	0.3611	0.3189	0.3012	0.4019 0.3074	0.3927	Ave		0.3472			0.3000	12.7		20.0			
Benzoic acid	0.1411	0.1326	0.1490	0.0882 0.1663	0.1157	Lin2	-0.343	0.1545			0.0100				0.9940		0.9900
2,4-Dichlorophenol	0.3638	0.3341	0.3463 0.3123	0.3497 0.3220	0.3723	Ave		0.3429			0.2000	6.3		20.0			
1,2,4-Trichlorobenzene	0.4546 0.4125	0.4483 0.3896	0.4379 0.3692	0.4270 0.3944	0.4283	Ave		0.4180				6.9		20.0			
Naphthalene	1.0980	0.9732	0.9302	1.1733 0.9751	1.1806	Ave		1.0551			0.7000	10.4		20.0			
4-Chloroaniline	0.4202	0.3663	0.3514	0.4558 0.3658	0.4649	Ave		0.4041			0.0100	12.3		20.0			
Hexachlorobutadiene	0.2891 0.2844	0.2832 0.2831	0.2759 0.2800	0.2987	0.2843	Ave		0.2848			0.0100	2.4		20.0			
4-Chloro-3-methylphenol	0.2855	0.2533	0.2389	0.2949 0.2438	0.3017	Ave		0.2697			0.2000	10.2		20.0			
2-Methylnaphthalene	0.7646	0.6747	0.6455	0.8228 0.6617	0.8058	Ave		0.7292			0.4000	10.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.6576	0.5839	0.5487	0.7024 0.5646	0.6987	Ave		0.6260				11.0		20.0			
Hexachlorocyclopentadiene	0.5737	0.6231	0.6298	0.4638 0.6810	0.5377	Ave		0.5848			0.0500	13.2		20.0			
1,2,4,5-Tetrachlorobenzene	0.7553	0.7672	0.7790	0.7449 0.8444	0.7781	Ave		0.7781			0.0100	4.5		20.0			
2-tertbutyl-4-methylphenol	0.4907	0.4501	0.4086	0.5539 0.4360	0.5266	Ave		0.4777				11.7		20.0			
2,4,6-Trichlorophenol	0.4349	0.4218	0.3984 0.4299	0.4239 0.4749	0.4356	Ave		0.4313			0.2000	5.3		20.0			
2,4,5-Trichlorophenol	0.4598	0.4327	0.4175	0.4342 0.4231	0.4597	Ave		0.4378			0.2000	4.1		20.0			
1,1'-Biphenyl	1.7193	1.5724	1.5169	1.7978 1.5978	1.8337	Ave		1.6730			0.0100	7.7		20.0			
2-Chloronaphthalene	1.3153	1.1948	1.1538	1.3387 1.2012	1.3584	Ave		1.2604			0.8000	6.9		20.0			
Phenyl ether	0.9458	0.8948	0.8161	0.9787 0.8859	0.9553	Ave		0.9128				6.5		20.0			
2-Nitroaniline	0.3993	0.3704	0.3533	0.3933 0.3694	0.4146	Ave		0.3834			0.0100	5.9		20.0			
1,3-Dimethylnaphthalene	1.0561	1.0040	0.8663	1.1695 0.9310	1.1136	Ave		1.0234				11.1		20.0			
Dimethyl phthalate	1.2133	1.1082	1.0693	1.2471 1.0862	1.2745	Ave		1.1664			0.0100	7.6		20.0			
Coumarin	0.1848	0.1668	0.1490	0.2054 0.1531	0.1971	Ave		0.1760				13.3		20.0			
2,6-Dinitrotoluene	0.2735	0.2517 0.2547	0.2634 0.2457	0.2679 0.2468	0.2829	Ave		0.2608			0.2000	5.1		20.0			
Acenaphthylene	1.8009	1.6571	1.5678	1.9057 1.6362	1.9210	Ave		1.7481			0.9000	8.5		20.0			
3-Nitroaniline	0.2697	0.2487	0.2464	0.2715 0.2511	0.2789	Ave		0.2610			0.0100	5.3		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.4374	1.4988	1.3981	1.4297 1.5318	1.4073	Ave		1.4505				3.7		20.0			
Acenaphthene	1.2540	1.0612	1.0112	1.2740 1.0538	1.3115	Ave		1.1609			0.9000	11.4		20.0			
2,4-Dinitrophenol	0.1165	0.1174	0.0432 0.1342	0.0685 0.1419	0.0979	Qua	-0.346	0.1134	0.0001267		0.0100				0.9990		0.9900
4-Nitrophenol	0.1571	0.1494	0.1532	0.1401 0.1630	0.1633	Ave		0.1544			0.0100	5.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3187	0.2545 0.2858	0.2833 0.2846	0.2934 0.2902	0.3307	Ave		0.2927			0.2000	7.9		20.0			
Dibenzofuran	1.7281	1.5499	1.5079	1.7983 1.5511	1.8259	Ave		1.6602			0.8000	8.5		20.0			
2,3,4,6-Tetrachlorophenol	0.3474	0.3281	0.3452	0.3030 0.3627	0.3353	Ave		0.3370			0.0100	6.0		20.0			
Diethyl phthalate	1.0635	0.9499	0.9054	1.0981 0.9180	1.1240	Ave		1.0098			0.0100	9.6		20.0			
4-Chlorophenyl phenyl ether	0.6823	0.6593	0.6497	0.6866 0.6979	0.7183	Ave		0.6824			0.4000	3.7		20.0			
Fluorene	1.2004	1.0985	1.0967	1.3118 1.1627	1.3032	Ave		1.1955			0.9000	8.0		20.0			
4-Nitroaniline	0.2143	0.1978	0.2020	0.2008 0.2090	0.2202	Ave		0.2073			0.0100	4.2		20.0			
4,6-Dinitro-2-methylphenol	0.1169	0.1177	0.0591 0.1286	0.0864 0.1346	0.1072	Lin2	-0.285	0.1253			0.0100				0.9960		0.9900
N-Nitrosodiphenylamine	0.6316	0.5863	0.7094 0.5793	0.6651 0.6103	0.6641	Ave		0.6352			0.0100	7.4		20.0			
1,2-Diphenylhydrazine	0.7498	0.6668	0.6417	0.7895 0.6394	0.7949	Ave		0.7137				10.2		20.0			
4-Bromophenyl phenyl ether	0.3182	0.3147	0.3279	0.2951 0.3481	0.3048	Ave		0.3181			0.1000	5.8		20.0			
Hexachlorobenzene	0.3560 0.3884	0.3363 0.4033	0.3413 0.4220	0.3559 0.4514	0.3703	Ave		0.3805			0.1000	10.2		20.0			
Pentachlorophenol	0.1890	0.2006	0.1292 0.2143	0.1614 +++++	0.1761	Ave		0.1784			0.0500	17.0		20.0			
Pentachloronitrobenzene	0.1268	0.1280	0.1127	0.1152 0.1207	0.1203	Ave		0.1206			0.0100	5.1		20.0			
n-Octadecane	0.5346	0.4552	0.4426	0.5741 0.4658	0.5731	Ave		0.5076				11.9		20.0			
Phenanthrene	1.1592	1.0671	1.0535	1.1690 1.0875	1.1818	Ave		1.1197			0.7000	5.1		20.0			
Anthracene	1.1549	1.0943	1.0589	1.1801 1.0840	1.2028	Ave		1.1292			0.7000	5.1		20.0			
Carbazole	0.8620	0.7823	0.7743	0.8823 0.7934	0.9039	Ave		0.8330			0.0100	6.8		20.0			
Di-n-butyl phthalate	0.9899	0.9366	0.9104	0.9987 0.9381	1.0242	Ave		0.9663			0.0100	4.6		20.0			
Fluoranthene	0.9696	0.9533	0.9560	0.9654 0.9846	0.9905	Ave		0.9699			0.6000	1.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.3083	0.3544	0.4292	0.3103 0.4552	0.2966	Ave		0.3590				18.9		20.0			
Pyrene	1.6111	1.4729	1.4589	1.5993 1.4885	1.6231	Ave		1.5423			0.6000	5.0		20.0			
Bisphenol-A	0.3344	0.4451	0.4719	0.2250 0.5036	0.2905	Qua	-1.533	0.4363	0.0006716						1.0000		0.9900
Butyl benzyl phthalate	0.4908	0.4545	0.4540	0.4423 0.4783	0.4885	Ave		0.4681			0.0100	4.4		20.0			
2,3,7,8-TCDD		0.2453				Ave		0.2453						20.0			
Carbamazepine	0.3442	0.3769	0.4013	0.2469 0.4523	0.3048	Lin2	-0.908	0.4136			0.0100				0.9930		0.9900
3,3'-Dichlorobenzidine	0.3939	0.4148	0.2932 0.4642	0.3400 0.4871	0.3696	Ave		0.3947			0.0100	17.2		20.0			
Benzo[a]anthracene	1.3300 1.1309	1.1782 1.1260	1.1058 1.1435	1.0579 1.2134	1.1360	Ave		1.1580			0.8000	6.7		20.0			
Bis(2-ethylhexyl) phthalate	0.6342	0.5902	0.6014	0.5829 0.6348	0.6309	Ave		0.6124			0.0100	3.9		20.0			
Chrysene	1.0562	1.0097	1.0300	1.0068 1.1129	1.0543	Ave		1.0450			0.7000	3.8		20.0			
Di-n-octyl phthalate	1.0963	1.0484	1.0612	0.9136 1.0744	1.0225	Ave		1.0361			0.0100	6.3		20.0			
Benzo[b]fluoranthene	0.9503 1.0930	0.9511 1.0976	0.9548 1.1099	1.0202 1.2113	1.0838	Ave		1.0524			0.7000	8.5		20.0			
Benzo[k]fluoranthene	1.0866 1.1703	1.0997 1.1339	1.1213 1.1547	1.0642 1.2245	1.1236	Ave		1.1310			0.7000	4.2		20.0			
Benzo[a]pyrene	0.7781 0.9995	0.8380 0.9942	0.9055 1.0298	0.8919 1.1104	0.9619	Ave		0.9455			0.7000	10.8		20.0			
Indeno[1,2,3-cd]pyrene	0.6783 0.8600	0.6432 0.9762	0.7010 0.9869	0.7634 +++++	0.8372	Ave		0.8058			0.5000	16.3		20.0			
Dibenz(a,h)anthracene	0.7312 0.9489	0.7089 1.0072	0.7543 1.0480	0.7732 1.1150	0.8839	Ave		0.8856			0.4000	17.1		20.0			
Benzo[g,h,i]perylene	0.9639	1.0488	1.0747	0.8193 1.1449	0.8987	Ave		0.9917			0.5000	12.2		20.0			
2-Fluorophenol (Surr)	1.3681	1.4520 1.3399	1.7195 1.2288	1.5702 1.4307	1.5020	Ave		1.4514				10.3		20.0			
Phenol-d5 (Surr)	1.5573	1.6666 1.4983	2.0282 1.3670	1.8484 1.5441	1.7460	Ave		1.6570				12.8		20.0			
Nitrobenzene-d5 (Surr)	0.3754 0.4058	0.4245 0.4001	0.4962 0.3620	0.4656 0.4089	0.4469	Ave		0.4206				10.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
2-Fluorobiphenyl	1.7100 1.5701	1.6329 1.6147	1.9106 1.5260	1.7991 1.7710	1.7307	Ave		1.6961				7.2		20.0			
2,4,6-Tribromophenol (Surr)	0.2976	++++ 0.3486	0.2800 0.3478	0.3059 0.4236	0.3045	Ave		0.3297				14.8		20.0			
Terphenyl-d14 (Surr)	1.1194 1.1906	1.1593 1.2768	1.3022 1.2002	1.2223 1.4520	1.2421	Ave		1.2406				7.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-361914/10	x12700.D
Level 2	STD1 460-361914/9	x12699.D
Level 3	STD2 460-361914/8	x12698.D
Level 4	STD5 460-361914/7	x12697.D
Level 5	STD10 460-361914/6	x12696.D
Level 6	STD20 460-361914/5	x12695.D
Level 7	ICIS 460-361914/2	x12692.D
Level 8	STD80 460-361914/4	x12694.D
Level 9	STD120 460-361914/3	x12693.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	281507	566841	879976	75817 1224214	151836	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	394009	772871	1221429	107028 1669340	211795	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	676953	1297546	2084539	184751 2929279	368378	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	897059	1648133	2526326	256765 3428046	498095	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	1069931	2099242	3209371	300139 4182159	586615	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	21887 644615	42993 1189836	80795 1836092	188793 2614245	360911	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	777095	1455688	2232517	217132 2929826	432333	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	947896	1654401	2468567	301529 +++++	565465	20.0	50.0	80.0	5.00 +++++	10.0
1,3-Dichlorobenzene	DCB	Ave	967450	1854733	2846042	273002 3945489	529184	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	942113	1821661	2797352	269188 3907093	517587	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	459141	929820	1465861	132815 1910135	256439	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	915786	1728457	2607051	259479 3578341	502043	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	680233	1275021	1914693	196664 2528229	372616	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Qua	1121820	2031004	2873480	338124 3503298	641874	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol	DCB	Ave	627633	1209595	1898946	201493 2618500	362574	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	627633	1209595	1898946	201493 2618500	362574	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCB	Ave	781284	1503782	2363210	250551 3308064	453023	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	15636 386520	28045 789375	56633 1249429	126504 1650462	229575	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	10106 323478	19236 610550	38338 916252	93909 1270188	182159	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	31417 903815	59337 1690835	117375 2585398	281499 3606577	514923	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	36685 1025197	67989 1988196	133689 2952113	324088 4154866	585175	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	1146451	2246670	3512886	144805 4771623	336933 649869	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	384349	706088	1165394	101546 1521349	200947	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	622030	1152756	1793068	178651 2395716	347908	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	650562	1207058	1836998	197192 2441102	366953	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	254226	501735	908566	43251 1320500	108131	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	655429	1264298	1905068	66332 171551	347879	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	23161 743151	43222 1474450	83890 2252128	209486 3131341	400283	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	1978312	3683379	5673719	575646 7742481	1103206	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	757089	1386246	2143536	223634 2904503	434409	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	512474	27869 1071286	54240 1707721	135378 2371721	265641	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	514373	958803	1457266	144676 1935841	281933	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	1377584	2553612	3937243	403681 5254357	753034	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	1184928	2209739	3346387	344604 4483140	652900	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	531221	1182450	1895029	121020 2600135	264247	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	699412	1455818	2344261	194362 3224001	382398	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	884210	1703629	2492231	271760 3462341	492130	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	402739	800398	40474 1293751	110611 1813150	214072	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	425757	821005	1256464	113287 1615662	225942	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	1592109	2983795	4564730	469081 6100735	901199	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	1218051	2267212	3471950	349274 4586414	667635	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	875805	1698014	2455870	255363 3382563	469479	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	369753	702802	1063241	102616 1410499	203744	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	978027	1905173	2606721	305143 3554751	547320	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	1123589	2102855	3217811	325385 4147409	626358	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	332906	631331	908735	100750 1215427	184227	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	253304	13088 483282	26759 739232	69910 942437	139059	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	1667739	3144368	4717729	497218 6247465	944107	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	249750	471925	741443	70827 958604	137079	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1331036	2844123	4207121	373023 5848994	691664	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	1161202	2013617	3042842	332398 4023818	644564	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	215846	445404	8782 807487	35762 1083808	96238	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	290949	566913	922102	73125 1244420	160556	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	295135	13232 542417	28789 856474	76542 1108033	162553	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	1600284	2941042	4537380	469206 5922614	897381	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	321704	622606	1038720	79056 1384824	164807	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	984864	1802587	2724515	286500 3505030	552392	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	631864	1250990	1955204	179138 2664938	353016	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	1111594	2084415	3300045	342267 4439675	640467	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	198429	375302	607712	52384 797889	108199	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	291596	587751	16497 1016853	62255 1346616	145036	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	1575757	2927491	197863 4578634	479133 6107824	898072	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	935237	1664589	2536266	284383 3199455	537501	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	396929	785685	1295823	106306 1741764	206110	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	13478 484511	24519 1006934	47595 1667896	128201 2258903	250362	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	471525	1001709	36033 1694044	116252 +++++	238105	40.0	100	4.00 160	10.0 +++++	20.0
Pentachloronitrobenzene	PHN	Ave	158223	319598	445352	41505 604007	81358	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	666820	1136380	1749400	206813 2330643	387520	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	1445948	2664108	4163618	421085 5441450	799104	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	1440619	2731937	4185156	425092 5424075	813281	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	1075243	1953098	3060163	317836 3970106	611177	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	1234698	2338157	3598146	359765 4694059	692537	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	1209493	2379937	3778376	347763 4926801	669753	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	384590	884757	1696183	111778 2277733	200554	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	1212125	2349757	3737075	347617 4932006	652635	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Qua	251602	710051	1208780	48904 1668672	116812	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	369257	725085	1163075	96136 1584703	196419	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		3913					0.500			
Carbamazepine	CRY	Lin2				53659	122570				5.00	10.0
			258986	601319	1028006	1498766		20.0	50.0	80.0	120	
3,3'-Dichlorobenzidine	CRY	Ave			23216	73902	148618			2.00	5.00	10.0
			296363	661727	1188989	1614011		20.0	50.0	80.0	120	
Benzo[a]anthracene	CRY	Ave	27989	48386	87563	229936	456765	0.500	1.00	2.00	5.00	10.0
			850805	1796227	2929145	4020370		20.0	50.0	80.0	120	
Bis(2-ethylhexyl) phthalate	CRY	Ave				126694	253670				5.00	10.0
			477152	941608	1540491	2103385		20.0	50.0	80.0	120	
Chrysene	CRY	Ave				218824	423922				5.00	10.0
			794672	1610710	2638437	3687609		20.0	50.0	80.0	120	
Di-n-octyl phthalate	PRY	Ave				149302	324696				5.00	10.0
			666411	1440850	2469700	3363316		20.0	50.0	80.0	120	
Benzo[b]fluoranthene	PRY	Ave	15118	29739	56593	166733	344158	0.500	1.00	2.00	5.00	10.0
			664374	1508434	2582982	3792155		20.0	50.0	80.0	120	
Benzo[k]fluoranthene	PRY	Ave	17287	34387	66463	173911	356784	0.500	1.00	2.00	5.00	10.0
			711366	1558290	2687180	3833307		20.0	50.0	80.0	120	
Benzo[a]pyrene	PRY	Ave	12379	26202	53673	145760	305451	0.500	1.00	2.00	5.00	10.0
			607541	1366363	2396509	3476191		20.0	50.0	80.0	120	
Indeno[1,2,3-cd]pyrene	PRY	Ave	10791	20113	41550	124760	265853	0.500	1.00	2.00	5.00	10.0
			522797	1341551	2296660	+++++		20.0	50.0	80.0	+++++	
Dibenz(a,h)anthracene	PRY	Ave	11633	22166	44712	126367	280679	0.500	1.00	2.00	5.00	10.0
			576822	1384172	2438898	3490523		20.0	50.0	80.0	120	
Benzo[g,h,i]perylene	PRY	Ave				133887	285369				5.00	10.0
			585921	1441333	2500992	3584209		20.0	50.0	80.0	120	
2-Fluorophenol (Surr)	DCB	Ave		41191	95172	226716	416996		1.00	2.00	5.00	10.0
			737086	1553533	2263985	3521221		20.0	50.0	80.0	120	
Phenol-d5 (Surr)	DCB	Ave		47278	112260	266878	484752		1.00	2.00	5.00	10.0
			839037	1737286	2518752	3800316		20.0	50.0	80.0	120	
Nitrobenzene-d5 (Surr)	NPT	Ave	19124	40930	95048	228451	417628	0.500	1.00	2.00	5.00	10.0
			731090	1514089	2208112	3246486		20.0	50.0	80.0	120	
2-Fluorobiphenyl	ANT	Ave	46593	84898	194117	469398	850602	0.500	1.00	2.00	5.00	10.0
			1453985	3063995	4592109	6762147		20.0	50.0	80.0	120	
2,4,6-Tribromophenol (Surr)	ANT	Ave		+++++	28447	79826	149656		+++++	2.00	5.00	10.0
			275573	661504	1046583	1617583		20.0	50.0	80.0	120	
Terphenyl-d14 (Surr)	CRY	Ave	23557	47610	103120	265667	499443	0.500	1.00	2.00	5.00	10.0
			895741	2036865	3074415	4811173		20.0	50.0	80.0	120	

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12692.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 11-Apr-2016 13:47:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039684-002
 Misc. Info.: ICIS
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:40 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:13:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.818	1.818	0.000	97	566841	50.0	48.0	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	64	772871	50.0	47.1	
3 Pyridine	79	2.089	2.089	0.000	80	1297546	50.0	46.0	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	94	1553533	50.0	46.2	
\$ 6 Phenol-d5	99	4.142	4.142	0.000	95	1737286	50.0	45.2	
7 Phenol	94	4.159	4.159	0.000	98	1648133	50.0	45.3	
8 Aniline	93	4.183	4.183	0.000	98	2099242	50.0	47.5	
9 Bis(2-chloroethyl)ether	93	4.247	4.247	0.000	95	1189836	50.0	40.7	
10 Benzonitrile	103	4.277	4.277	0.000	66	2655625	NC	NC	
11 2-Chlorophenol	128	4.306	4.306	0.000	94	1455688	50.0	46.2	
12 n-Decane	43	4.353	4.353	0.000	88	1654401	50.0	41.2	
13 1,3-Dichlorobenzene	146	4.459	4.459	0.000	95	1854733	50.0	46.4	
* 14 1,4-Dichlorobenzene-d4	152	4.512	4.512	0.000	97	927586	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.530	4.530	0.000	94	1821661	50.0	46.4	
16 Benzyl alcohol	108	4.647	4.647	0.000	91	929820	50.0	47.5	
17 1,2-Dichlorobenzene	146	4.683	4.683	0.000	95	1728457	50.0	46.3	
18 2-Methylphenol	108	4.759	4.759	0.000	88	1275021	50.0	46.3	
19 2,2'-oxybis[1-chloropropan	45	4.783	4.783	0.000	89	2031004	50.0	50.7	
20 N-Methylaniline	106	4.906	4.906	0.000	84	1942331	NC	NC	
24 4-Methylphenol	108	4.918	4.918	0.000	85	1209595	50.0	44.7	
21 Acetophenone	105	4.918	4.918	0.000	94	1503782	50.0	44.5	
23 3 & 4 Methylphenol	108	4.918	4.918	0.000	84	1209595	50.0	44.7	
22 N-Nitrosodi-n-propylamine	70	4.924	4.924	0.000	95	789375	50.0	40.8	
25 Hexachloroethane	117	5.024	5.024	0.000	85	610550	50.0	43.1	
\$ 26 Nitrobenzene-d5	82	5.071	5.071	0.000	94	1514089	50.0	47.6	
28 Nitrobenzene	77	5.094	5.094	0.000	87	1690835	50.0	41.9	
27 n,n'-Dimethylaniline	120	5.094	5.094	0.000	95	1988196	50.0	41.6	
31 Isophorone	82	5.336	5.336	0.000	96	2246670	50.0	45.7	
32 2-Nitrophenol	139	5.406	5.406	0.000	85	706088	50.0	46.5	
33 2,4-Dimethylphenol	122	5.447	5.447	0.000	88	1152756	50.0	46.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.541	5.541	0.000	97	1207058	50.0	45.9	
35 Benzoic acid	122	5.577	5.577	0.000	91	501735	50.0	45.1	
36 2,4-Dichlorophenol	162	5.647	5.647	0.000	94	1264298	50.0	48.7	
37 1,2,4-Trichlorobenzene	180	5.736	5.736	0.000	94	1474450	50.0	46.6	
* 38 Naphthalene-d8	136	5.794	5.794	0.000	100	3027697	40.0	40.0	
39 Naphthalene	128	5.812	5.812	0.000	99	3683379	50.0	46.1	
40 4-Chloroaniline	127	5.865	5.865	0.000	95	1386246	50.0	45.3	
41 Hexachlorobutadiene	225	5.941	5.941	0.000	97	1071286	50.0	49.7	
43 4-Chloro-3-methylphenol	107	6.347	6.347	0.000	96	958803	50.0	47.0	
44 2-Methylnaphthalene	142	6.506	6.506	0.000	85	2553612	50.0	46.3	
45 1-Methylnaphthalene	142	6.606	6.606	0.000	93	2209739	50.0	46.6	
46 Hexachlorocyclopentadiene	237	6.671	6.671	0.000	98	1182450	50.0	53.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.677	6.677	0.000	98	1455818	50.0	49.3	
48 2-tertbutyl-4-methylphenol	149	6.700	6.700	0.000	91	1703629	50.0	47.1	
49 2,4,6-Trichlorophenol	196	6.788	6.788	0.000	93	800398	50.0	48.9	
50 2,4,5-Trichlorophenol	196	6.818	6.818	0.000	96	821005	50.0	49.4	
\$ 51 2-Fluorobiphenyl	172	6.871	6.871	0.000	98	3063995	50.0	47.6	
52 1,1'-Biphenyl	154	6.971	6.971	0.000	94	2983795	50.0	47.0	
53 2-Chloronaphthalene	162	6.994	6.994	0.000	98	2267212	50.0	47.4	
54 Phenyl ether	170	7.077	7.077	0.000	87	1698014	50.0	49.0	
56 2-Nitroaniline	65	7.088	7.088	0.000	94	702802	50.0	48.3	
57 1,3-Dimethylnaphthalene	156	7.212	7.212	0.000	93	1905173	50.0	49.1	
58 Dimethyl phthalate	163	7.277	7.277	0.000	99	2102855	50.0	47.5	
59 Coumarin	146	7.300	7.300	0.000	75	631331	50.0	47.4	
60 2,6-Dinitrotoluene	165	7.330	7.330	0.000	94	483282	50.0	48.8	
61 Acenaphthylene	152	7.406	7.406	0.000	97	3144368	50.0	47.4	
64 3-Nitroaniline	138	7.500	7.500	0.000	94	471925	50.0	47.6	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	1518049	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.565	7.565	0.000	95	2844123	50.0	51.7	
67 Acenaphthene	154	7.577	7.577	0.000	92	2013617	50.0	45.7	
68 2,4-Dinitrophenol	184	7.600	7.600	0.000	90	445404	100.0	96.2	
69 4-Nitrophenol	65	7.659	7.659	0.000	88	566913	100.0	96.8	
70 2,4-Dinitrotoluene	165	7.730	7.730	0.000	96	542417	50.0	48.8	
71 Dibenzofuran	168	7.747	7.747	0.000	95	2941042	50.0	46.7	
72 2,3,4,6-Tetrachlorophenol	232	7.865	7.865	0.000	97	622606	50.0	48.7	
73 Diethyl phthalate	149	7.971	7.971	0.000	98	1802587	50.0	47.0	
74 4-Chlorophenyl phenyl ethe	204	8.082	8.082	0.000	94	1250990	50.0	48.3	
75 Fluorene	166	8.082	8.082	0.000	95	2084415	50.0	45.9	
76 4-Nitroaniline	138	8.106	8.106	0.000	84	375302	50.0	47.7	
77 4,6-Dinitro-2-methylphenol	198	8.135	8.135	0.000	91	587751	100.0	96.2	
78 N-Nitrosodiphenylamine	169	8.200	8.200	0.000	66	2927491	100.0	92.3	
79 1,2-Diphenylhydrazine	77	8.241	8.241	0.000	93	1664589	50.0	46.7	
\$ 80 2,4,6-Tribromophenol	330	8.324	8.324	0.000	89	661504	50.0	52.9	
81 4-Bromophenyl phenyl ether	248	8.565	8.565	0.000	95	785685	50.0	49.5	
83 Hexachlorobenzene	284	8.635	8.635	0.000	92	1006934	50.0	53.0	
85 Pentachlorophenol	266	8.824	8.824	0.000	96	1001709	100.0	112.4	
86 Pentachloronitrobenzene	237	8.841	8.841	0.000	94	319598	50.0	53.1	
87 n-Octadecane	57	8.900	8.900	0.000	97	1136380	50.0	44.8	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	1997195	40.0	40.0	
89 Phenanthrene	178	9.029	9.029	0.000	96	2664108	50.0	47.7	
90 Anthracene	178	9.082	9.082	0.000	99	2731937	50.0	48.5	
91 Carbazole	167	9.235	9.235	0.000	96	1953098	50.0	47.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Di-n-butyl phthalate	149	9.576	9.576	0.000	100	2338157	50.0	48.5	
93 Fluoranthene	202	10.206	10.206	0.000	99	2379937	50.0	49.1	
94 Benzidine	184	10.329	10.329	0.000	99	884757	50.0	49.4	
95 Pyrene	202	10.435	10.435	0.000	98	2349757	50.0	47.8	
82 Bisphenol-A	213	10.471	10.471	0.000	98	710051	50.0	50.6	
\$ 96 Terphenyl-d14	244	10.594	10.594	0.000	98	2036865	50.0	51.5	
97 Butyl benzyl phthalate	149	11.129	11.129	0.000	96	725085	50.0	48.6	
98 2,3,7,8-TCDD	320	11.247	11.247	0.000	93	3913	0.5000	0.5000	
99 Carbamazepine	193	11.259	11.259	0.000	91	601319	50.0	47.8	
100 3,3'-Dichlorobenzidine	252	11.770	11.770	0.000	98	661727	50.0	52.5	
101 Benzo[a]anthracene	228	11.806	11.806	0.000	96	1796227	50.0	48.6	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1276231	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	90	941608	50.0	48.2	
103 Chrysene	228	11.853	11.853	0.000	99	1610710	50.0	48.3	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	1440850	50.0	50.6	
106 Benzo[b]fluoranthene	252	13.253	13.253	0.000	97	1508434	50.0	52.1	
107 Benzo[k]fluoranthene	252	13.288	13.288	0.000	96	1558290	50.0	50.1	
108 Benzo[a]pyrene	252	13.706	13.706	0.000	98	1366363	50.0	52.6	
* 109 Perylene-d12	264	13.788	13.788	0.000	98	1099439	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.382	15.382	0.000	95	1341551	50.0	60.6	
111 Dibenz(a,h)anthracene	278	15.423	15.423	0.000	98	1384172	50.0	56.9	
112 Benzo[g,h,i]perylene	276	15.835	15.835	0.000	95	1441333	50.0	52.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

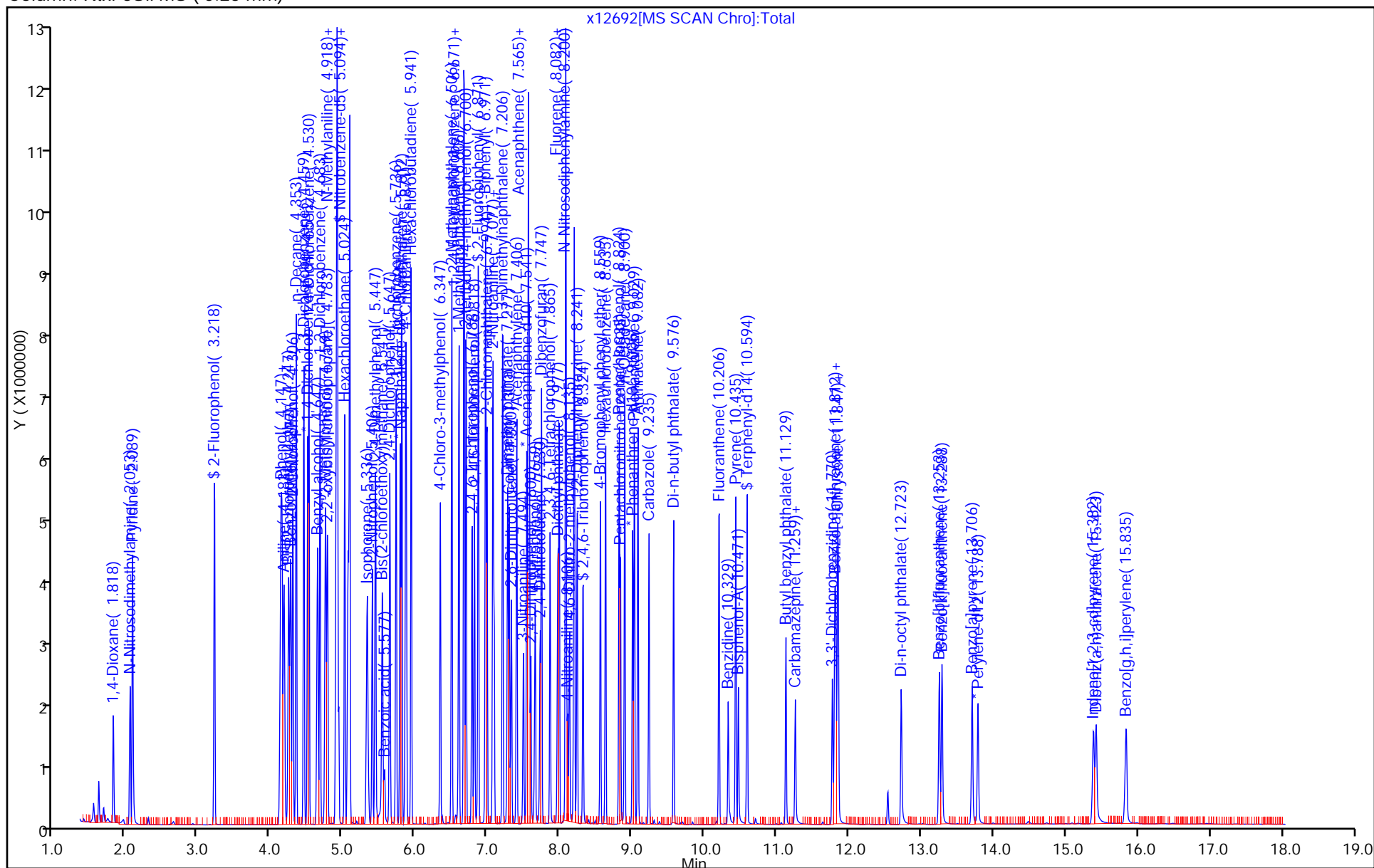
Units: mL

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

TestAmerica Edison

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12692.D		
Injection Date:	11-Apr-2016 13:47:30	Instrument ID:	CBNAMS5
Lims ID:	icis		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 2
ALS Bottle#: 2



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12693.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 11-Apr-2016 14:11:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:45 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:22:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.812	1.818	-0.006	97	1224214	120.0	117.1	
2 N-Nitrosodimethylamine	74	2.065	2.053	0.012	64	1669340	120.0	115.1	
3 Pyridine	79	2.089	2.089	0.000	79	2929279	120.0	117.3	
\$ 4 2-Fluorophenol	112	3.230	3.218	0.012	94	3521221	120.0	118.3	
\$ 6 Phenol-d5	99	4.165	4.142	0.023	94	3800316	120.0	111.8	
7 Phenol	94	4.183	4.159	0.024	98	3428046	120.0	106.4	
8 Aniline	93	4.206	4.183	0.023	98	4182159	120.0	107.0	M
9 Bis(2-chloroethyl)ether	93	4.259	4.247	0.012	96	2614245	120.0	101.2	
10 Benzonitrile	103	4.300	4.277	0.023	66	5115272	NC	NC	
11 2-Chlorophenol	128	4.318	4.306	0.012	95	2929826	120.0	105.0	
12 n-Decane	43	4.359	4.353	0.006	87	3343594	120.0	94.2	
13 1,3-Dichlorobenzene	146	4.465	4.459	0.006	95	3945489	120.0	111.6	
* 14 1,4-Dichlorobenzene-d4	152	4.518	4.512	0.006	97	820418	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.536	4.530	0.006	94	3907093	120.0	112.6	
16 Benzyl alcohol	108	4.671	4.647	0.024	91	1910135	120.0	110.2	
17 1,2-Dichlorobenzene	146	4.689	4.683	0.006	97	3578341	120.0	108.3	
18 2-Methylphenol	108	4.771	4.759	0.012	86	2528229	120.0	103.7	
19 2,2'-oxybis[1-chloropropan	45	4.795	4.783	0.012	87	3503298	120.0	120.8	
20 N-Methylaniline	106	4.918	4.906	0.012	83	4092493	NC	NC	
24 4-Methylphenol	108	4.942	4.918	0.024	92	2618500	120.0	109.4	
21 Acetophenone	105	4.936	4.918	0.018	97	3308064	120.0	110.7	
23 3 & 4 Methylphenol	108	4.942	4.918	0.024	95	2618500	120.0	109.4	
22 N-Nitrosodi-n-propylamine	70	4.971	4.924	0.047	93	1650462	120.0	96.4	
25 Hexachloroethane	117	5.030	5.024	0.006	85	1270188	120.0	101.4	
\$ 26 Nitrobenzene-d5	82	5.089	5.071	0.018	95	3246486	120.0	116.7	
28 Nitrobenzene	77	5.112	5.094	0.018	82	3606577	120.0	102.3	
27 n,n'-Dimethylaniline	120	5.112	5.094	0.018	90	4154866	120.0	98.3	
31 Isophorone	82	5.359	5.336	0.023	97	4771623	120.0	111.1	M
32 2-Nitrophenol	139	5.418	5.406	0.012	84	1521349	120.0	114.5	
33 2,4-Dimethylphenol	122	5.465	5.447	0.018	89	2395716	120.0	109.6	
34 Bis(2-chloroethoxy)methane	93	5.553	5.541	0.012	98	2441102	120.0	106.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.642	5.577	0.065	92	1320500	120.0	131.4	M
36 2,4-Dichlorophenol	162	5.665	5.647	0.018	94	2556820	120.0	112.7	
37 1,2,4-Trichlorobenzene	180	5.742	5.736	0.006	93	3131341	120.0	113.2	
* 38 Naphthalene-d8	136	5.800	5.794	0.006	100	2646782	40.0	40.0	
39 Naphthalene	128	5.824	5.812	0.012	100	7742481	120.0	110.9	
40 4-Chloroaniline	127	5.883	5.865	0.018	96	2904503	120.0	108.6	
41 Hexachlorobutadiene	225	5.947	5.941	0.006	98	2371721	120.0	125.8	
43 4-Chloro-3-methylphenol	107	6.353	6.347	0.006	96	1935841	120.0	108.5	
44 2-Methylnaphthalene	142	6.512	6.506	0.006	86	5254357	120.0	108.9	
45 1-Methylnaphthalene	142	6.612	6.606	0.006	93	4483140	120.0	108.2	
46 Hexachlorocyclopentadiene	237	6.677	6.671	0.006	98	2600135	120.0	139.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.683	6.677	0.006	99	3224001	120.0	130.2	
48 2-tertbutyl-4-methylphenol	149	6.712	6.700	0.012	92	3462341	120.0	109.5	
49 2,4,6-Trichlorophenol	196	6.794	6.788	0.006	93	1813150	120.0	132.1	
50 2,4,5-Trichlorophenol	196	6.830	6.818	0.012	96	1615662	120.0	116.0	
\$ 51 2-Fluorobiphenyl	172	6.877	6.871	0.006	98	6762147	120.0	125.3	
52 1,1'-Biphenyl	154	6.983	6.971	0.012	94	6100735	120.0	114.6	
53 2-Chloronaphthalene	162	7.000	6.994	0.006	98	4586414	120.0	114.4	
54 Phenyl ether	170	7.083	7.077	0.006	84	3382563	120.0	116.5	
56 2-Nitroaniline	65	7.100	7.088	0.012	96	1410499	120.0	115.6	
57 1,3-Dimethylnaphthalene	156	7.218	7.212	0.006	94	3554751	120.0	109.2	
58 Dimethyl phthalate	163	7.294	7.277	0.017	99	4147409	120.0	111.7	
59 Coumarin	146	7.312	7.300	0.012	78	1215427	120.0	104.4	
60 2,6-Dinitrotoluene	165	7.341	7.330	0.011	94	942437	120.0	113.6	
61 Acenaphthylene	152	7.412	7.406	0.006	97	6247465	120.0	112.3	
64 3-Nitroaniline	138	7.512	7.500	0.012	93	958604	120.0	115.4	
* 65 Acenaphthene-d10	164	7.547	7.541	0.006	88	1272767	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.571	7.565	0.006	95	5848994	120.0	126.7	
67 Acenaphthene	154	7.583	7.577	0.006	92	4023818	120.0	108.9	
68 2,4-Dinitrophenol	184	7.618	7.600	0.018	94	1083808	240.0	239.4	
69 4-Nitrophenol	65	7.677	7.659	0.018	86	1244420	240.0	253.4	
70 2,4-Dinitrotoluene	165	7.741	7.730	0.011	95	1108033	120.0	119.0	
71 Dibenzofuran	168	7.753	7.747	0.006	95	5922614	120.0	112.1	
72 2,3,4,6-Tetrachlorophenol	232	7.871	7.865	0.006	99	1384824	120.0	129.2	
73 Diethyl phthalate	149	7.983	7.971	0.012	99	3505030	120.0	109.1	
74 4-Chlorophenyl phenyl ethe	204	8.088	8.082	0.006	94	2664938	120.0	122.7	
75 Fluorene	166	8.094	8.082	0.012	96	4439675	120.0	116.7	
76 4-Nitroaniline	138	8.130	8.106	0.024	86	797889	120.0	121.0	
77 4,6-Dinitro-2-methylphenol	198	8.153	8.135	0.018	92	1346616	240.0	259.9	
78 N-Nitrosodiphenylamine	169	8.212	8.200	0.012	65	6107824	240.0	230.6	
79 1,2-Diphenylhydrazine	77	8.247	8.241	0.006	92	3199455	120.0	107.5	
\$ 80 2,4,6-Tribromophenol	330	8.330	8.324	0.006	87	1617583	120.0	154.2	
81 4-Bromophenyl phenyl ether	248	8.565	8.565	0.000	96	1741764	120.0	131.3	
83 Hexachlorobenzene	284	8.641	8.635	0.006	91	2258903	120.0	142.4	
85 Pentachlorophenol	266	8.830	8.824	0.006	96	2308809	240.0	310.3	
86 Pentachloronitrobenzene	237	8.841	8.841	0.000	94	604007	120.0	120.1	
87 n-Octadecane	57	8.900	8.900	0.000	96	2330643	120.0	110.1	
* 88 Phenanthrene-d10	188	9.012	9.006	0.006	97	1667949	40.0	40.0	
89 Phenanthrene	178	9.035	9.029	0.006	96	5441450	120.0	116.5	
90 Anthracene	178	9.088	9.082	0.006	99	5424075	120.0	115.2	
91 Carbazole	167	9.241	9.235	0.006	96	3970106	120.0	114.3	
92 Di-n-butyl phthalate	149	9.577	9.576	0.001	99	4694059	120.0	116.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.206	10.206	0.000	98	4926801	120.0	121.8	
94 Benzidine	184	10.329	10.329	0.000	99	2277733	120.0	152.2	
95 Pyrene	202	10.441	10.435	0.006	98	4932006	120.0	115.8	
82 Bisphenol-A	213	10.477	10.471	0.006	98	1668672	120.0	119.9	
\$ 96 Terphenyl-d14	244	10.594	10.594	0.000	98	4811173	120.0	140.5	
97 Butyl benzyl phthalate	149	11.129	11.129	0.000	96	1584703	120.0	122.6	
99 Carbamazepine	193	11.265	11.259	0.006	91	1498766	120.0	133.4	
100 3,3'-Dichlorobenzidine	252	11.776	11.770	0.006	97	1614011	120.0	148.1	
101 Benzo[a]anthracene	228	11.812	11.806	0.006	96	4020370	120.0	125.7	
* 102 Chrysene-d12	240	11.824	11.818	0.006	98	1104474	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	88	2103385	120.0	124.4	
103 Chrysene	228	11.859	11.853	0.006	100	3687609	120.0	127.8	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	3363316	120.0	124.4	
106 Benzo[b]fluoranthene	252	13.259	13.253	0.006	97	3792155	120.0	138.1	
107 Benzo[k]fluoranthene	252	13.300	13.288	0.012	96	3833307	120.0	129.9	
108 Benzo[a]pyrene	252	13.712	13.706	0.006	98	3476191	120.0	140.9	
* 109 Perylene-d12	264	13.788	13.788	0.000	98	1043517	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.394	15.382	0.012	95	3545547	120.0	168.7	
111 Dibenz(a,h)anthracene	278	15.435	15.423	0.012	98	3490523	120.0	151.1	
112 Benzo[g,h,i]perylene	276	15.853	15.835	0.018	95	3584209	120.0	138.5	
S 119 Total Cresols	1				0			213.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

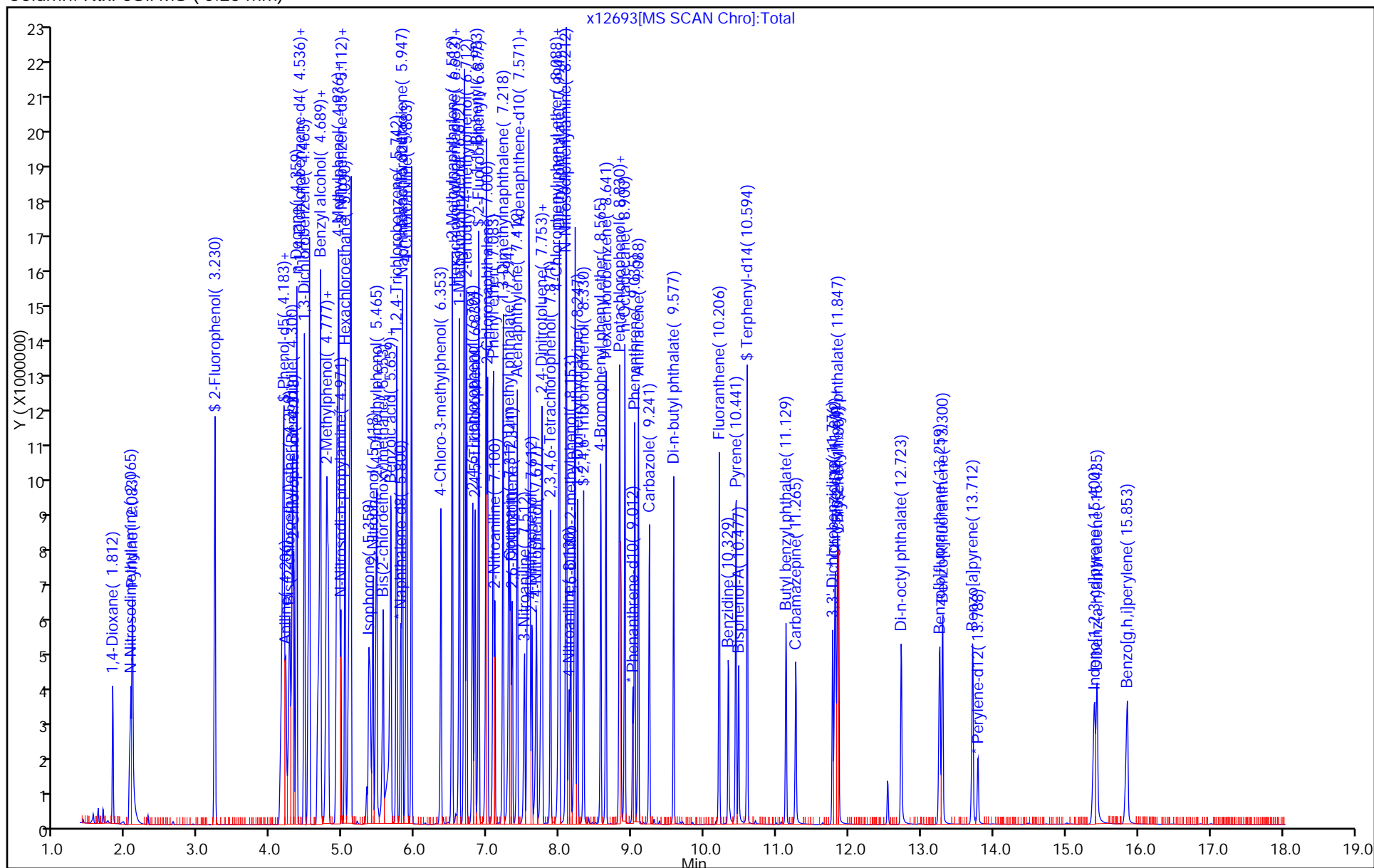
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Amount Added: 1.00

Units: mL

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Lims ID:	std120		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 3



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12693.D

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

Instrument ID: CBNAMS5

Lims ID: std120

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

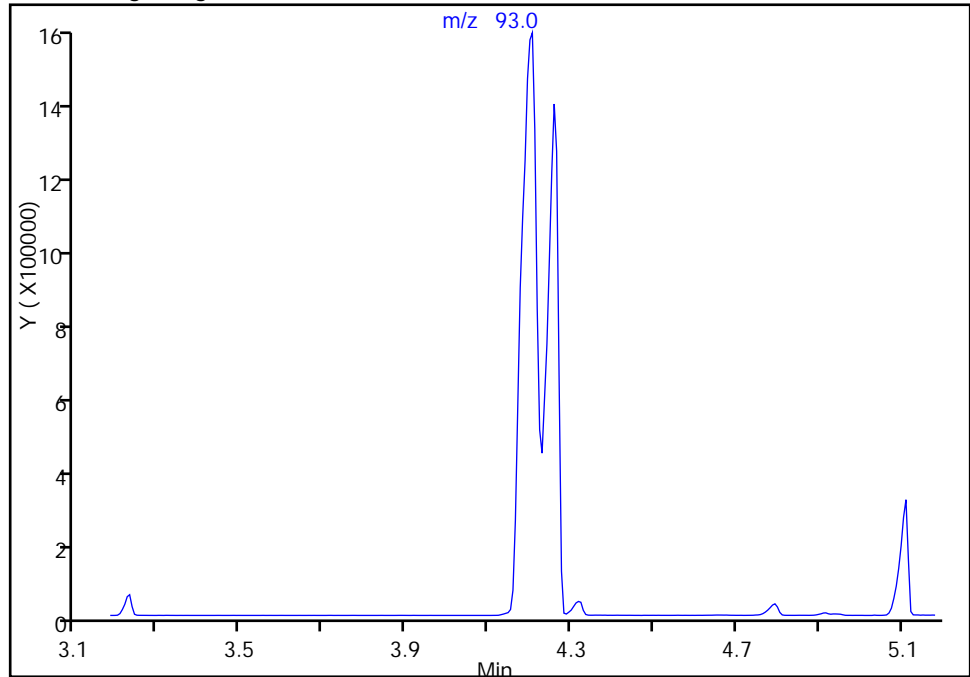
Detector: MS SCAN

8 Aniline, CAS: 62-53-3

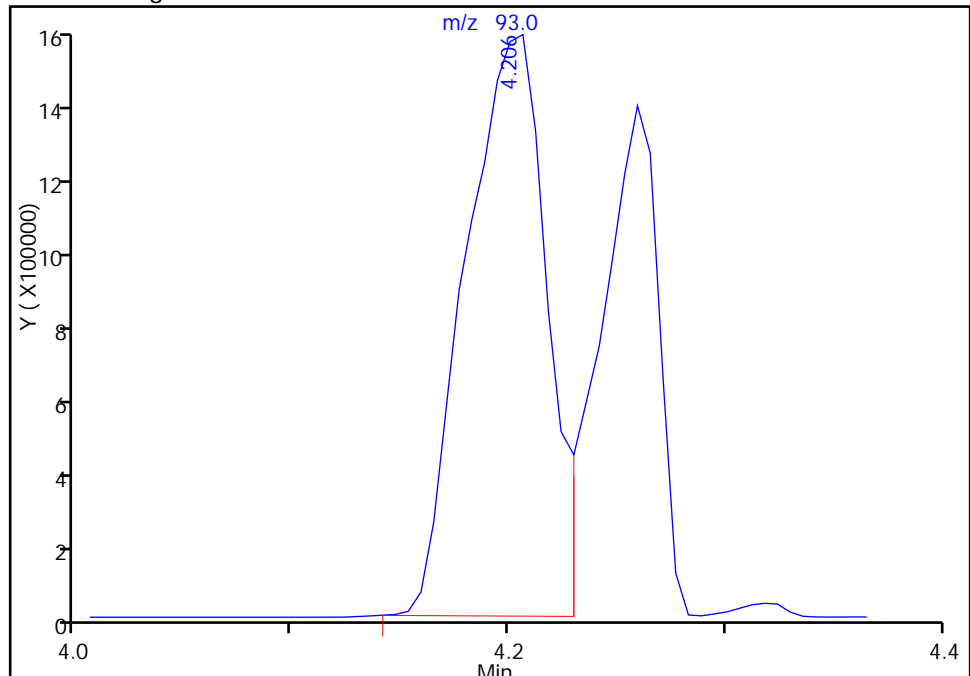
Not Detected

Expected RT: 4.18

Processing Integration Results



Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:22:20

Audit Action: Manually Integrated

Audit Reason: Shouldering

TestAmerica Edison

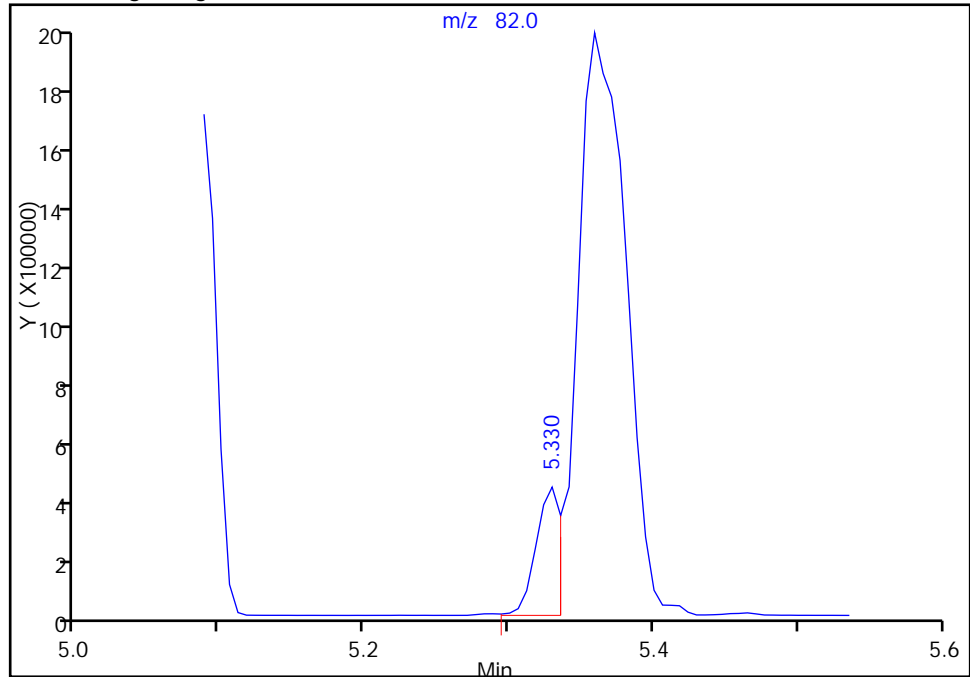
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Injection Date: 11-Apr-2016 14:11:30 Instrument ID: CBNAMS5
Lims ID: std120
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

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

31 Isophorone, CAS: 78-59-1

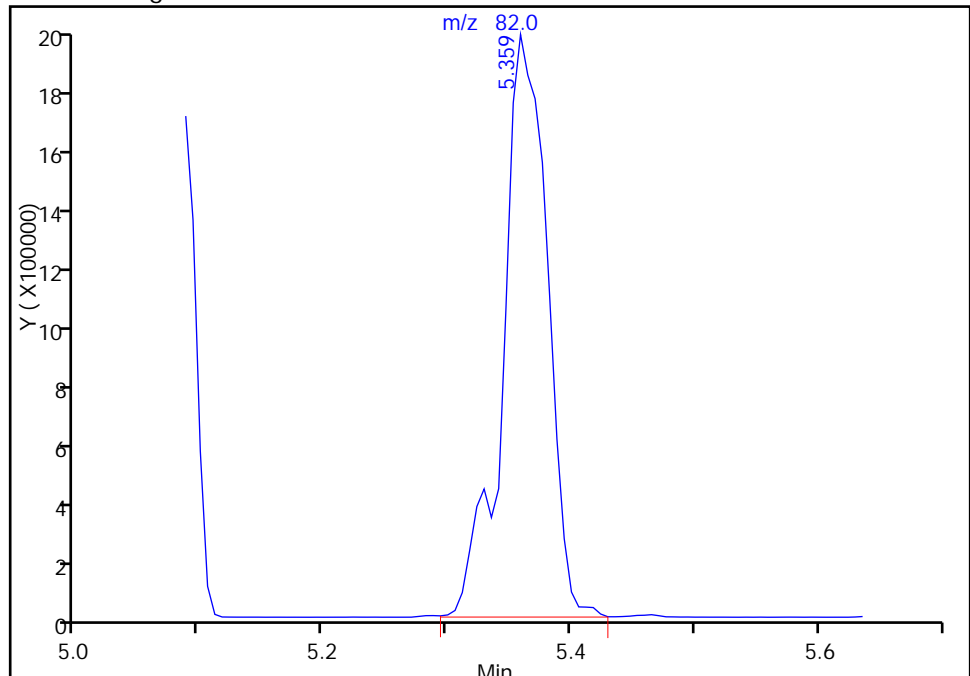
RT: 5.33
Area: 508849
Amount: 35.398726
Amount Units: ug/ml

Processing Integration Results



RT: 5.36
Area: 4771623
Amount: 111.0650
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:24:02
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12693.D

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

Instrument ID: CBNAMS5

Lims ID: std120

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

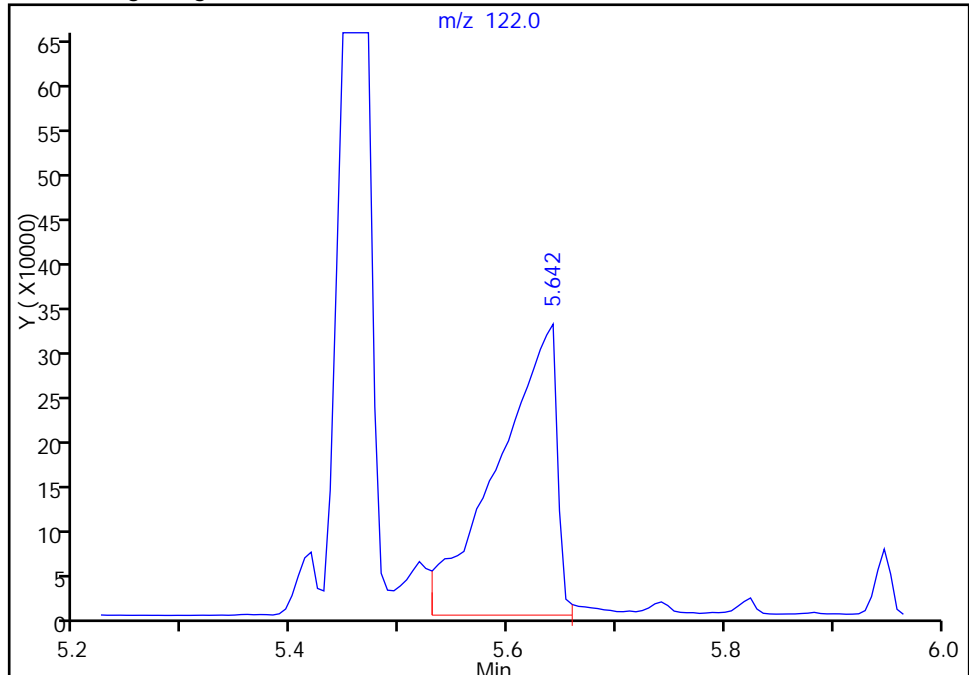
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

35 Benzoic acid, CAS: 65-85-0

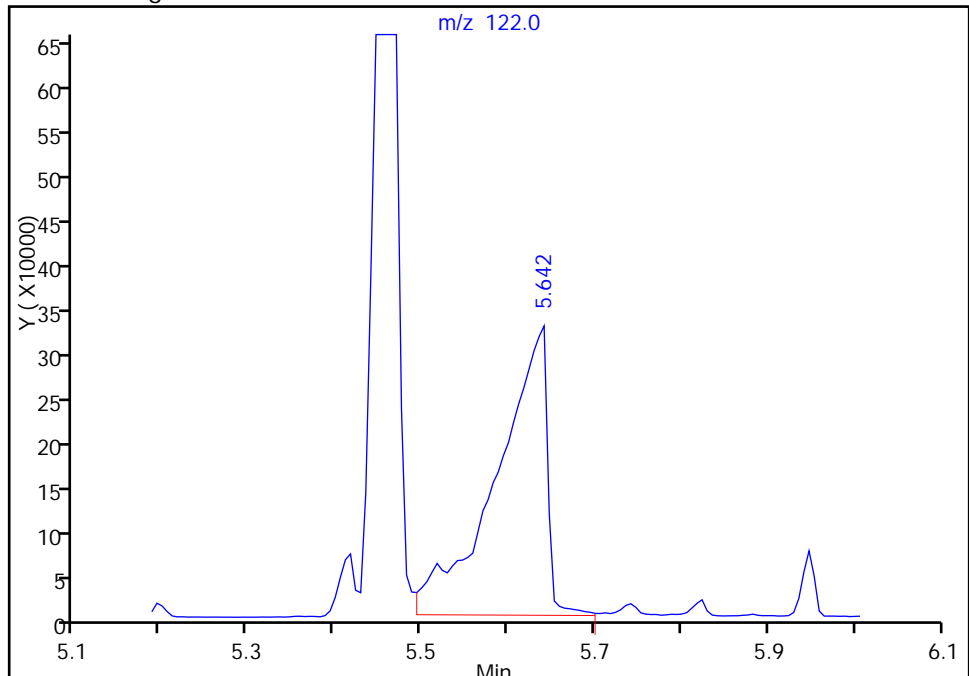
RT: 5.64
Area: 1235841
Amount: 119.5482
Amount Units: ug/ml

Processing Integration Results



RT: 5.64
Area: 1320500
Amount: 131.4143
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:24:02

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12694.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Apr-2016 14:35:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-004
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:51 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:25:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.818	1.818	0.000	96	879976	80.0	75.0	
2 N-Nitrosodimethylamine	74	2.059	2.053	0.006	65	1221429	80.0	75.0	
3 Pyridine	79	2.083	2.089	-0.006	80	2084539	80.0	74.4	
\$ 4 2-Fluorophenol	112	3.224	3.218	0.006	94	2263985	80.0	67.7	
\$ 6 Phenol-d5	99	4.153	4.142	0.011	93	2518752	80.0	66.0	
7 Phenol	94	4.165	4.159	0.006	97	2526326	80.0	69.8	
8 Aniline	93	4.195	4.183	0.012	98	3209371	80.0	73.2	
9 Bis(2-chloroethyl)ether	93	4.253	4.247	0.006	95	1836092	80.0	63.3	
10 Benzonitrile	103	4.283	4.277	0.006	66	3845303	NC	NC	
11 2-Chlorophenol	128	4.312	4.306	0.006	95	2232517	80.0	71.3	
12 n-Decane	43	4.359	4.353	0.006	88	2468567	80.0	61.9	
13 1,3-Dichlorobenzene	146	4.459	4.459	0.000	95	2846042	80.0	71.7	
* 14 1,4-Dichlorobenzene-d4	152	4.512	4.512	0.000	96	921248	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.530	4.530	0.000	94	2797352	80.0	71.8	
16 Benzyl alcohol	108	4.659	4.647	0.012	91	1465861	80.0	75.3	
17 1,2-Dichlorobenzene	146	4.683	4.683	0.000	96	2607051	80.0	70.3	
18 2-Methylphenol	108	4.765	4.759	0.006	88	1914693	80.0	69.9	
19 2,2'-oxybis[1-chloropropan	45	4.789	4.783	0.006	88	2873480	80.0	78.3	
20 N-Methylaniline	106	4.912	4.906	0.006	86	2932088	NC	NC	
24 4-Methylphenol	108	4.930	4.918	0.012	81	1898946	80.0	70.6	
21 Acetophenone	105	4.930	4.918	0.012	97	2363210	80.0	70.4	
23 3 & 4 Methylphenol	108	4.930	4.918	0.012	82	1898946	80.0	70.6	
22 N-Nitrosodi-n-propylamine	70	4.953	4.924	0.029	94	1249429	80.0	65.0	
25 Hexachloroethane	117	5.024	5.024	0.000	85	916252	80.0	65.1	
\$ 26 Nitrobenzene-d5	82	5.077	5.071	0.006	94	2208112	80.0	68.9	
28 Nitrobenzene	77	5.100	5.094	0.006	81	2585398	80.0	63.6	
27 n,n'-Dimethylaniline	120	5.100	5.094	0.006	88	2952113	80.0	62.2	
31 Isophorone	82	5.347	5.336	0.011	97	3512886	80.0	71.0	
32 2-Nitrophenol	139	5.412	5.406	0.006	86	1165394	80.0	76.1	
33 2,4-Dimethylphenol	122	5.459	5.447	0.012	89	1793068	80.0	71.2	
34 Bis(2-chloroethoxy)methane	93	5.547	5.541	0.006	97	1836998	80.0	69.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.612	5.577	0.035	92	908566	80.0	79.4	
36 2,4-Dichlorophenol	162	5.653	5.647	0.006	94	1905068	80.0	72.9	
37 1,2,4-Trichlorobenzene	180	5.736	5.736	0.000	93	2252128	80.0	70.7	
* 38 Naphthalene-d8	136	5.794	5.794	0.000	100	3049638	40.0	40.0	
39 Naphthalene	128	5.818	5.812	0.006	99	5673719	80.0	70.5	
40 4-Chloroaniline	127	5.871	5.865	0.006	97	2143536	80.0	69.6	
41 Hexachlorobutadiene	225	5.947	5.941	0.006	98	1707721	80.0	78.6	
43 4-Chloro-3-methylphenol	107	6.347	6.347	0.000	96	1457266	80.0	70.9	
44 2-Methylnaphthalene	142	6.506	6.506	0.000	85	3937243	80.0	70.8	
45 1-Methylnaphthalene	142	6.606	6.606	0.000	93	3346387	80.0	70.1	
46 Hexachlorocyclopentadiene	237	6.677	6.671	0.006	98	1895029	80.0	86.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.683	6.677	0.006	99	2344261	80.0	80.1	
48 2-tertbutyl-4-methylphenol	149	6.706	6.700	0.006	91	2492231	80.0	68.4	
49 2,4,6-Trichlorophenol	196	6.789	6.788	0.001	92	1293751	80.0	79.7	
50 2,4,5-Trichlorophenol	196	6.824	6.818	0.006	96	1256464	80.0	76.3	
\$ 51 2-Fluorobiphenyl	172	6.877	6.871	0.006	98	4592109	80.0	72.0	
52 1,1'-Biphenyl	154	6.977	6.971	0.006	93	4564730	80.0	72.5	
53 2-Chloronaphthalene	162	6.994	6.994	0.000	98	3471950	80.0	73.2	
54 Phenyl ether	170	7.077	7.077	0.000	84	2455870	80.0	71.5	
56 2-Nitroaniline	65	7.094	7.088	0.006	96	1063241	80.0	73.7	
57 1,3-Dimethylnaphthalene	156	7.212	7.212	0.000	94	2606721	80.0	67.7	
58 Dimethyl phthalate	163	7.283	7.277	0.006	99	3217811	80.0	73.3	
59 Coumarin	146	7.306	7.300	0.006	72	908735	80.0	67.7	
60 2,6-Dinitrotoluene	165	7.336	7.330	0.006	94	739232	80.0	75.3	
61 Acenaphthylene	152	7.406	7.406	0.000	97	4717729	80.0	71.7	
64 3-Nitroaniline	138	7.506	7.500	0.006	93	741443	80.0	75.5	
* 65 Acenaphthene-d10	164	7.547	7.541	0.006	90	1504584	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.571	7.565	0.006	95	4207121	80.0	77.1	
67 Acenaphthene	154	7.583	7.577	0.006	92	3042842	80.0	69.7	
68 2,4-Dinitrophenol	184	7.606	7.600	0.006	95	807487	160.0	162.8	
69 4-Nitrophenol	65	7.671	7.659	0.012	87	922102	160.0	158.8	
70 2,4-Dinitrotoluene	165	7.736	7.730	0.006	97	856474	80.0	77.8	
71 Dibenzofuran	168	7.753	7.747	0.006	95	4537380	80.0	72.7	
72 2,3,4,6-Tetrachlorophenol	232	7.871	7.865	0.006	99	1038720	80.0	82.0	
73 Diethyl phthalate	149	7.977	7.971	0.006	99	2724515	80.0	71.7	
74 4-Chlorophenyl phenyl ethe	204	8.083	8.082	0.001	94	1955204	80.0	76.2	
75 Fluorene	166	8.088	8.082	0.006	95	3300045	80.0	73.4	
76 4-Nitroaniline	138	8.118	8.106	0.012	85	607712	80.0	77.9	
77 4,6-Dinitro-2-methylphenol	198	8.141	8.135	0.006	92	1016853	160.0	166.5	
78 N-Nitrosodiphenylamine	169	8.206	8.200	0.006	66	4578634	160.0	145.9	
79 1,2-Diphenylhydrazine	77	8.241	8.241	0.000	95	2536266	80.0	71.9	
\$ 80 2,4,6-Tribromophenol	330	8.324	8.324	0.000	88	1046583	80.0	84.4	
81 4-Bromophenyl phenyl ether	248	8.565	8.565	0.000	95	1295823	80.0	82.4	
83 Hexachlorobenzene	284	8.635	8.635	0.000	92	1667896	80.0	88.7	
85 Pentachlorophenol	266	8.824	8.824	0.000	96	1694044	160.0	192.2	
86 Pentachloronitrobenzene	237	8.841	8.841	0.000	94	445352	80.0	74.7	
87 n-Octadecane	57	8.900	8.900	0.000	96	1749400	80.0	69.8	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	1976095	40.0	40.0	
89 Phenanthrene	178	9.035	9.029	0.006	96	4163618	80.0	75.3	
90 Anthracene	178	9.083	9.082	0.000	99	4185156	80.0	75.0	
91 Carbazole	167	9.235	9.235	0.000	96	3060163	80.0	74.4	
92 Di-n-butyl phthalate	149	9.577	9.576	0.001	100	3598146	80.0	75.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.206	10.206	0.000	99	3778376	80.0	78.9	
94 Benzidine	184	10.329	10.329	0.000	99	1696183	80.0	95.6	
95 Pyrene	202	10.435	10.435	0.000	98	3737075	80.0	75.7	
82 Bisphenol-A	213	10.471	10.471	0.000	98	1208780	80.0	80.1	
\$ 96 Terphenyl-d14	244	10.594	10.594	0.000	98	3074415	80.0	77.4	
97 Butyl benzyl phthalate	149	11.129	11.129	0.000	96	1163075	80.0	77.6	
99 Carbamazepine	193	11.259	11.259	0.000	91	1028006	80.0	79.8	
100 3,3'-Dichlorobenzidine	252	11.771	11.770	0.001	97	1188989	80.0	94.1	
101 Benzo[a]anthracene	228	11.806	11.806	0.000	96	2929145	80.0	79.0	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1280807	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	89	1540491	80.0	78.6	
103 Chrysene	228	11.853	11.853	0.000	99	2638437	80.0	78.9	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	2469700	80.0	81.9	
106 Benzo[b]fluoranthene	252	13.253	13.253	0.000	97	2582982	80.0	84.4	
107 Benzo[k]fluoranthene	252	13.294	13.288	0.006	96	2687180	80.0	81.7	
108 Benzo[a]pyrene	252	13.706	13.706	0.000	98	2396509	80.0	87.1	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1163599	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.388	15.382	0.006	95	2296660	80.0	98.0	
111 Dibenz(a,h)anthracene	278	15.429	15.423	0.006	99	2438898	80.0	94.7	
112 Benzo[g,h,i]perylene	276	15.847	15.835	0.012	95	2500992	80.0	86.7	
S 119 Total Cresols	1				0			140.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12694.D

Injection Date: 11-Apr-2016 14:35:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std80

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul

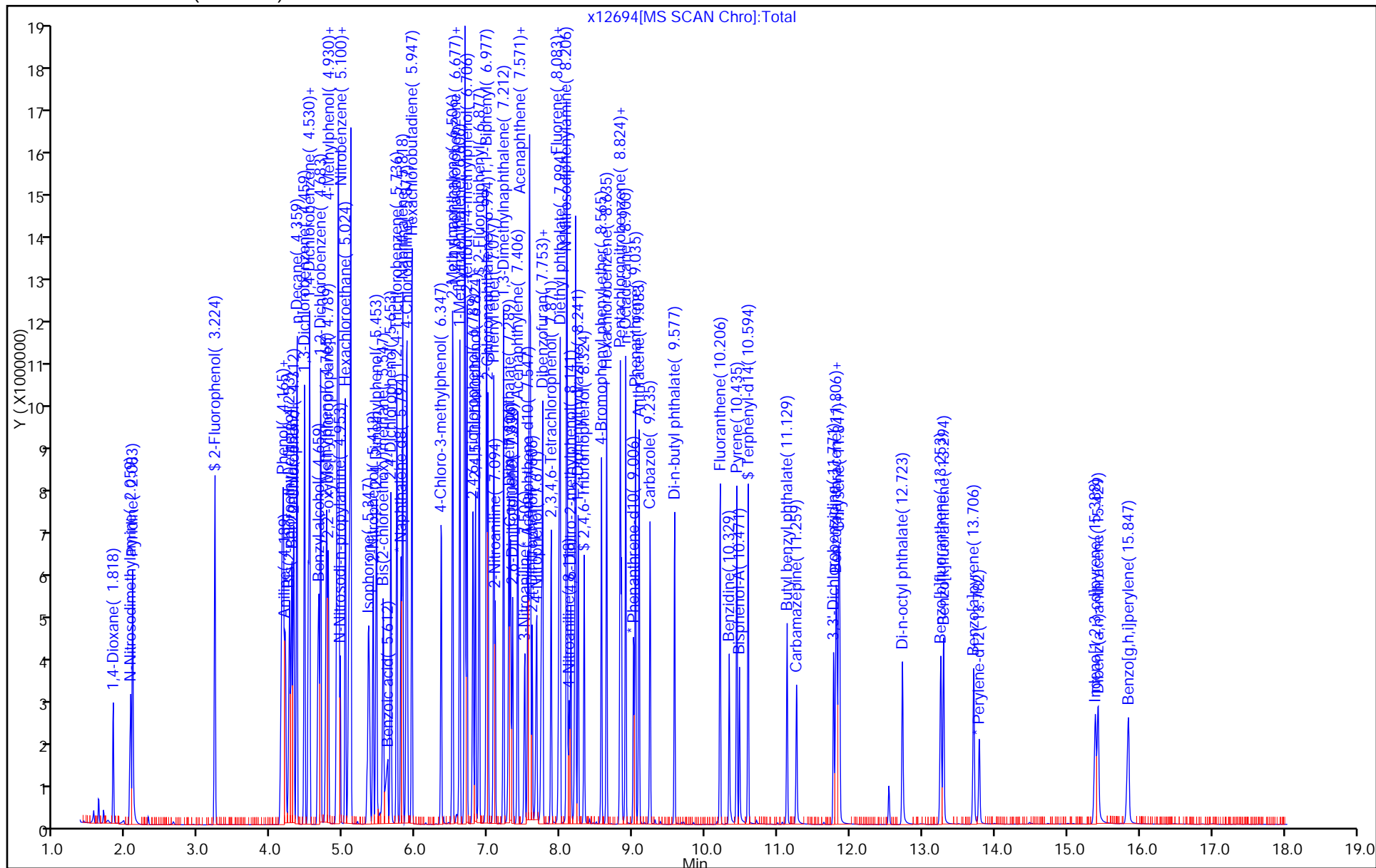
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12695.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Apr-2016 15:00:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-005
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:56 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:26:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.824	1.818	0.006	97	281507	20.0	20.5	
2 N-Nitrosodimethylamine	74	2.054	2.053	0.001	69	394009	20.0	20.7	
3 Pyridine	79	2.089	2.089	0.000	80	676953	20.0	20.6	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	95	737086	20.0	18.9	
\$ 6 Phenol-d5	99	4.130	4.142	-0.012	96	839037	20.0	18.8	
7 Phenol	94	4.142	4.159	-0.017	98	897059	20.0	21.2	
8 Aniline	93	4.177	4.183	-0.006	98	1069931	20.0	20.9	
9 Bis(2-chloroethyl)ether	93	4.236	4.247	-0.011	97	644615	20.0	19.0	
10 Benzonitrile	103	4.259	4.277	-0.018	67	1349476	NC	NC	
11 2-Chlorophenol	128	4.295	4.306	-0.011	94	777095	20.0	21.2	
12 n-Decane	43	4.348	4.353	-0.005	93	947896	20.0	20.3	
13 1,3-Dichlorobenzene	146	4.453	4.459	-0.006	96	967450	20.0	20.8	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1077555	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.530	-0.006	95	942113	20.0	20.7	
16 Benzyl alcohol	108	4.636	4.647	-0.011	92	459141	20.0	20.2	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	96	915786	20.0	21.1	
18 2-Methylphenol	108	4.748	4.759	-0.011	89	680233	20.0	21.2	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	93	1121820	20.0	21.2	
20 N-Methylaniline	106	4.900	4.906	-0.006	81	959280	NC	NC	
24 4-Methylphenol	108	4.906	4.918	-0.012	83	627633	20.0	20.0	
21 Acetophenone	105	4.912	4.918	-0.006	90	781284	20.0	19.9	
23 3 & 4 Methylphenol	108	4.906	4.918	-0.012	82	627633	20.0	20.0	
22 N-Nitrosodi-n-propylamine	70	4.912	4.924	-0.012	95	386520	20.0	17.2	
25 Hexachloroethane	117	5.018	5.024	-0.006	86	323478	20.0	19.7	
\$ 26 Nitrobenzene-d5	82	5.059	5.071	-0.012	93	731090	20.0	19.3	
28 Nitrobenzene	77	5.083	5.094	-0.011	90	903815	20.0	18.8	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	1025197	20.0	18.5	
31 Isophorone	82	5.318	5.336	-0.018	97	1146451	20.0	19.6	
32 2-Nitrophenol	139	5.400	5.406	-0.006	88	384349	20.0	21.3	
33 2,4-Dimethylphenol	122	5.442	5.447	-0.005	90	622030	20.0	20.9	
34 Bis(2-chloroethoxy)methane	93	5.536	5.541	-0.005	97	650562	20.0	20.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.536	5.577	-0.041	34	254226	20.0	20.5	
36 2,4-Dichlorophenol	162	5.642	5.647	-0.005	95	655429	20.0	21.2	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	743151	20.0	19.7	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	99	3603527	40.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	99	1978312	20.0	20.8	
40 4-Chloroaniline	127	5.859	5.865	-0.006	96	757089	20.0	20.8	
41 Hexachlorobutadiene	225	5.942	5.941	0.001	97	512474	20.0	20.0	
43 4-Chloro-3-methylphenol	107	6.342	6.347	-0.005	96	514373	20.0	21.2	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	86	1377584	20.0	21.0	
45 1-Methylnaphthalene	142	6.600	6.606	-0.006	93	1184928	20.0	21.0	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	97	531221	20.0	19.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	699412	20.0	19.4	
48 2-tertbutyl-4-methylphenol	149	6.700	6.700	0.000	91	884210	20.0	20.5	
49 2,4,6-Trichlorophenol	196	6.783	6.788	-0.005	91	402739	20.0	20.2	
50 2,4,5-Trichlorophenol	196	6.812	6.818	-0.006	97	425757	20.0	21.0	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	1453985	20.0	18.5	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	94	1592109	20.0	20.6	
53 2-Chloronaphthalene	162	6.989	6.994	-0.005	99	1218051	20.0	20.9	
54 Phenyl ether	170	7.071	7.077	-0.006	88	875805	20.0	20.7	
56 2-Nitroaniline	65	7.083	7.088	-0.005	97	369753	20.0	20.8	
57 1,3-Dimethylnaphthalene	156	7.206	7.212	-0.006	93	978027	20.0	20.6	
58 Dimethyl phthalate	163	7.271	7.277	-0.006	99	1123589	20.0	20.8	
59 Coumarin	146	7.289	7.300	-0.011	72	332906	20.0	21.0	
60 2,6-Dinitrotoluene	165	7.324	7.330	-0.006	95	253304	20.0	21.0	
61 Acenaphthylene	152	7.400	7.406	-0.006	97	1667739	20.0	20.6	
64 3-Nitroaniline	138	7.489	7.500	-0.011	94	249750	20.0	20.7	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	1852067	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.559	7.565	-0.006	95	1331036	20.0	19.8	
67 Acenaphthene	154	7.571	7.577	-0.006	92	1161202	20.0	21.6	
68 2,4-Dinitrophenol	184	7.589	7.600	-0.011	54	215846	40.0	42.2	
69 4-Nitrophenol	65	7.647	7.659	-0.012	89	290949	40.0	40.7	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	97	295135	20.0	21.8	
71 Dibenzofuran	168	7.741	7.747	-0.006	95	1600284	20.0	20.8	
72 2,3,4,6-Tetrachlorophenol	232	7.859	7.865	-0.006	97	321704	20.0	20.6	
73 Diethyl phthalate	149	7.965	7.971	-0.006	99	984864	20.0	21.1	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.082	-0.005	92	631864	20.0	20.0	
75 Fluorene	166	8.083	8.082	0.001	95	1111594	20.0	20.1	
76 4-Nitroaniline	138	8.094	8.106	-0.012	86	198429	20.0	20.7	
77 4,6-Dinitro-2-methylphenol	198	8.124	8.135	-0.011	91	291596	40.0	39.6	
78 N-Nitrosodiphenylamine	169	8.194	8.200	-0.006	67	1575757	40.0	39.8	
79 1,2-Diphenylhydrazine	77	8.236	8.241	-0.005	96	935237	20.0	21.0	
\$ 80 2,4,6-Tribromophenol	330	8.318	8.324	-0.006	90	275573	20.0	18.1	
81 4-Bromophenyl phenyl ether	248	8.559	8.565	-0.006	93	396929	20.0	20.0	
83 Hexachlorobenzene	284	8.630	8.635	-0.005	93	484511	20.0	20.4	
85 Pentachlorophenol	266	8.818	8.824	-0.006	96	471525	40.0	42.4	
86 Pentachloronitrobenzene	237	8.836	8.841	-0.005	92	158223	20.0	21.0	
87 n-Octadecane	57	8.894	8.900	-0.006	98	666820	20.0	21.1	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	98	2494710	40.0	40.0	
89 Phenanthrene	178	9.030	9.029	0.001	96	1445948	20.0	20.7	
90 Anthracene	178	9.077	9.082	-0.005	99	1440619	20.0	20.5	
91 Carbazole	167	9.230	9.235	-0.005	96	1075243	20.0	20.7	
92 Di-n-butyl phthalate	149	9.571	9.576	-0.005	100	1234698	20.0	20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.200	10.206	-0.006	99	1209493	20.0	20.0	
94 Benzidine	184	10.324	10.329	-0.005	99	384590	20.0	17.2	
95 Pyrene	202	10.430	10.435	-0.005	99	1212125	20.0	20.9	
82 Bisphenol-A	213	10.471	10.471	0.000	98	251602	20.0	18.3	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	895741	20.0	19.2	
97 Butyl benzyl phthalate	149	11.124	11.129	-0.005	96	369257	20.0	21.0	
99 Carbamazepine	193	11.253	11.259	-0.006	91	258986	20.0	18.8	
100 3,3'-Dichlorobenzidine	252	11.765	11.770	-0.005	98	296363	20.0	20.0	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	850805	20.0	19.5	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1504713	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	89	477152	20.0	20.7	
103 Chrysene	228	11.847	11.853	-0.006	99	794672	20.0	20.2	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	97	666411	20.0	21.2	
106 Benzo[b]fluoranthene	252	13.247	13.253	-0.006	97	664374	20.0	20.8	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	97	711366	20.0	20.7	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	607541	20.0	21.1	
* 109 Perylene-d12	264	13.782	13.788	-0.006	99	1215741	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.376	15.382	-0.006	96	522797	20.0	21.3	
111 Dibenz(a,h)anthracene	278	15.417	15.423	-0.006	99	576822	20.0	21.4	
112 Benzo[g,h,i]perylene	276	15.823	15.835	-0.012	95	585921	20.0	19.4	
S 119 Total Cresols	1				0			41.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12695.D

Injection Date: 11-Apr-2016 15:00:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std20

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

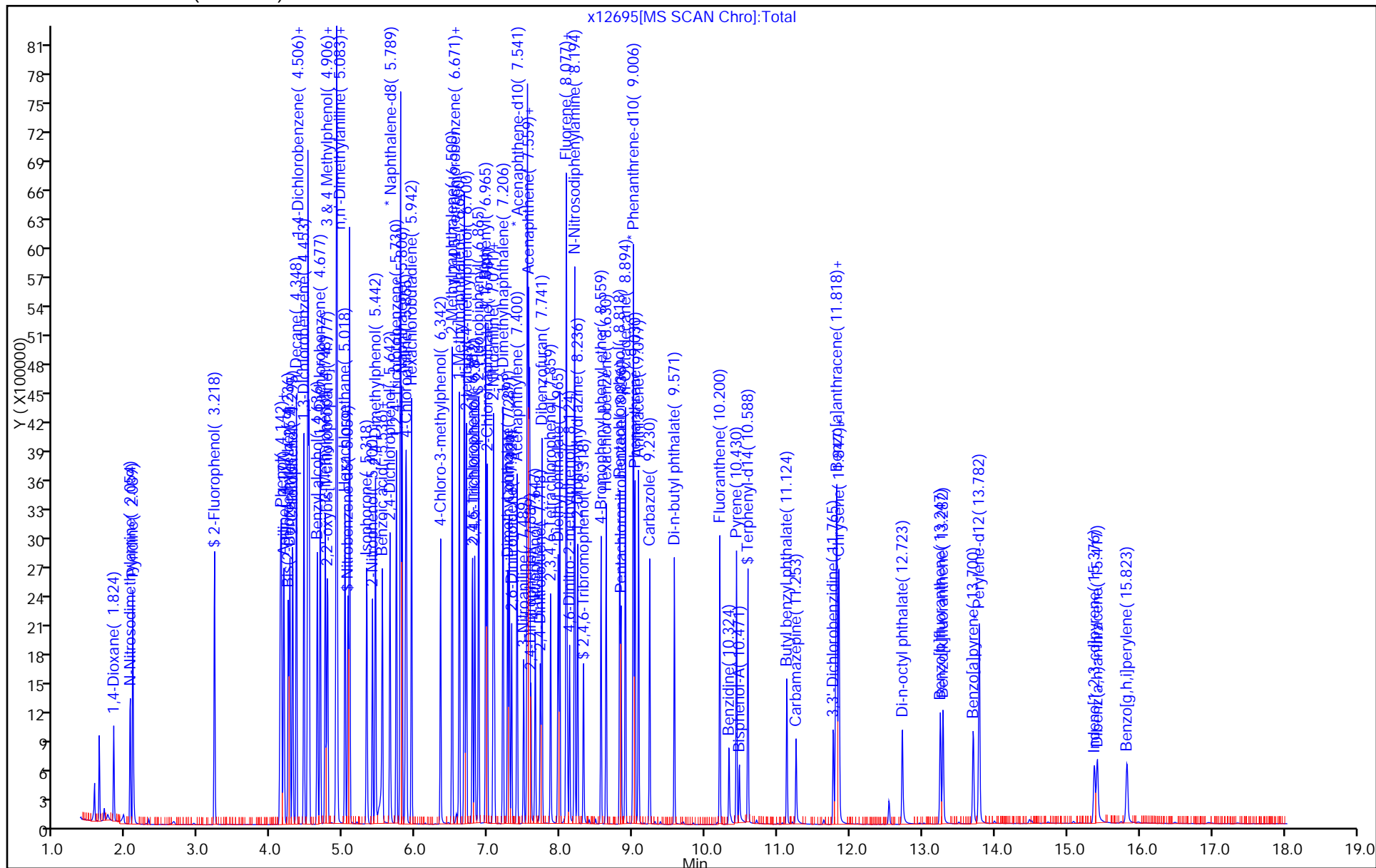
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12696.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Apr-2016 15:24:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-006
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:00 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:04:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.830	1.818	0.012	97	151836	10.0	10.7	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	68	211795	10.0	10.8	
3 Pyridine	79	2.089	2.089	0.000	80	368378	10.0	10.9	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	95	416996	10.0	10.3	
\$ 6 Phenol-d5	99	4.124	4.142	-0.018	93	484752	10.0	10.5	
7 Phenol	94	4.136	4.159	-0.023	98	498095	10.0	11.4	
8 Aniline	93	4.171	4.183	-0.012	98	586615	10.0	11.1	
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	97	360911	10.0	10.3	
10 Benzonitrile	103	4.253	4.277	-0.024	67	732878	NC	NC	
11 2-Chlorophenol	128	4.294	4.306	-0.012	95	432333	10.0	11.4	
12 n-Decane	43	4.347	4.353	-0.006	93	565465	10.0	11.8	
13 1,3-Dichlorobenzene	146	4.453	4.459	-0.006	95	529184	10.0	11.1	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1110533	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.530	-0.006	96	517587	10.0	11.0	
16 Benzyl alcohol	108	4.636	4.647	-0.011	92	256439	10.0	10.9	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	96	502043	10.0	11.2	
18 2-Methylphenol	108	4.747	4.759	-0.012	87	372616	10.0	11.3	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	91	641874	10.0	10.3	
20 N-Methylaniline	106	4.894	4.906	-0.012	79	535444	NC	NC	
24 4-Methylphenol	108	4.900	4.918	-0.018	82	362574	10.0	11.2	
21 Acetophenone	105	4.906	4.918	-0.012	86	453023	10.0	11.2	
23 3 & 4 Methylphenol	108	4.900	4.918	-0.018	82	362574	10.0	11.2	
22 N-Nitrosodi-n-propylamine	70	4.906	4.924	-0.018	95	229575	10.0	9.90	
25 Hexachloroethane	117	5.018	5.024	-0.006	88	182159	10.0	10.7	
\$ 26 Nitrobenzene-d5	82	5.059	5.071	-0.012	92	417628	10.0	10.6	
28 Nitrobenzene	77	5.077	5.094	-0.017	91	514923	10.0	10.3	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	92	585175	10.0	10.2	
31 Isophorone	82	5.318	5.336	-0.018	98	649869	10.0	10.7	
32 2-Nitrophenol	139	5.400	5.406	-0.006	88	200947	10.0	10.7	
33 2,4-Dimethylphenol	122	5.436	5.447	-0.011	90	347908	10.0	11.3	
34 Bis(2-chloroethoxy)methane	93	5.536	5.541	-0.005	97	366953	10.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.506	5.577	-0.071	93	108131	10.0	9.71	
36 2,4-Dichlorophenol	162	5.641	5.647	-0.006	95	347879	10.0	10.9	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	400283	10.0	10.2	
* 38 Naphthalene-d8	136	5.788	5.794	-0.006	99	3737923	40.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	99	1103206	10.0	11.2	
40 4-Chloroaniline	127	5.859	5.865	-0.006	96	434409	10.0	11.5	
41 Hexachlorobutadiene	225	5.941	5.941	0.000	97	265641	10.0	9.98	
43 4-Chloro-3-methylphenol	107	6.341	6.347	-0.006	97	281933	10.0	11.2	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	85	753034	10.0	11.1	
45 1-Methylnaphthalene	142	6.600	6.606	-0.006	93	652900	10.0	11.2	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	98	264247	10.0	9.19	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	382398	10.0	10.0	
48 2-tertbutyl-4-methylphenol	149	6.694	6.700	-0.006	91	492130	10.0	11.0	
49 2,4,6-Trichlorophenol	196	6.777	6.788	-0.011	91	214072	10.0	10.1	
50 2,4,5-Trichlorophenol	196	6.812	6.818	-0.006	96	225942	10.0	10.5	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	850602	10.0	10.2	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	93	901199	10.0	11.0	
53 2-Chloronaphthalene	162	6.982	6.994	-0.012	98	667635	10.0	10.8	
54 Phenyl ether	170	7.071	7.077	-0.006	88	469479	10.0	10.5	
56 2-Nitroaniline	65	7.082	7.088	-0.006	98	203744	10.0	10.8	
57 1,3-Dimethylnaphthalene	156	7.200	7.212	-0.012	93	547320	10.0	10.9	
58 Dimethyl phthalate	163	7.265	7.277	-0.012	100	626358	10.0	10.9	
59 Coumarin	146	7.288	7.300	-0.012	73	184227	10.0	11.2	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	95	139059	10.0	10.8	
61 Acenaphthylene	152	7.394	7.406	-0.012	98	944107	10.0	11.0	
64 3-Nitroaniline	138	7.488	7.500	-0.012	94	137079	10.0	10.7	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	90	1965875	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.559	7.565	-0.006	95	691664	10.0	9.70	
67 Acenaphthene	154	7.571	7.577	-0.006	92	644564	10.0	11.3	
68 2,4-Dinitrophenol	184	7.588	7.600	-0.012	41	96238	20.0	19.9	
69 4-Nitrophenol	65	7.647	7.659	-0.012	90	160556	20.0	21.2	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	96	162553	10.0	11.3	
71 Dibenzofuran	168	7.741	7.747	-0.006	95	897381	10.0	11.0	
72 2,3,4,6-Tetrachlorophenol	232	7.859	7.865	-0.006	96	164807	10.0	9.95	
73 Diethyl phthalate	149	7.959	7.971	-0.012	99	552392	10.0	11.1	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.082	-0.006	87	353016	10.0	10.5	
75 Fluorene	166	8.077	8.082	-0.006	94	640467	10.0	10.9	
76 4-Nitroaniline	138	8.088	8.106	-0.018	86	108199	10.0	10.6	
77 4,6-Dinitro-2-methylphenol	198	8.118	8.135	-0.017	91	145036	20.0	19.4	
78 N-Nitrosodiphenylamine	169	8.188	8.200	-0.012	67	898072	20.0	20.9	
79 1,2-Diphenylhydrazine	77	8.229	8.241	-0.012	98	537501	10.0	11.1	
\$ 80 2,4,6-Tribromophenol	330	8.318	8.324	-0.006	90	149656	10.0	9.24	
81 4-Bromophenyl phenyl ether	248	8.559	8.565	-0.006	93	206110	10.0	9.58	
83 Hexachlorobenzene	284	8.629	8.635	-0.006	94	250362	10.0	9.73	
85 Pentachlorophenol	266	8.818	8.824	-0.006	95	238105	20.0	19.7	
86 Pentachloronitrobenzene	237	8.835	8.841	-0.006	91	81358	10.0	9.97	
87 n-Octadecane	57	8.894	8.900	-0.006	98	387520	10.0	11.3	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2704719	40.0	40.0	
89 Phenanthrene	178	9.029	9.029	0.000	96	799104	10.0	10.6	
90 Anthracene	178	9.076	9.082	-0.006	99	813281	10.0	10.7	
91 Carbazole	167	9.229	9.235	-0.006	96	611177	10.0	10.9	
92 Di-n-butyl phthalate	149	9.571	9.576	-0.005	100	692537	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.200	10.206	-0.006	99	669753	10.0	10.2	
94 Benzidine	184	10.323	10.329	-0.006	99	200554	10.0	8.26	
95 Pyrene	202	10.429	10.435	-0.006	98	652635	10.0	10.5	
82 Bisphenol-A	213	10.470	10.471	-0.001	98	116812	10.0	10.0	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	499443	10.0	10.0	
97 Butyl benzyl phthalate	149	11.123	11.129	-0.006	97	196419	10.0	10.4	
99 Carbamazepine	193	11.253	11.259	-0.006	93	122570	10.0	9.57	
100 3,3'-Dichlorobenzidine	252	11.765	11.770	-0.006	98	148618	10.0	9.36	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	456765	10.0	9.81	
* 102 Chrysene-d12	240	11.817	11.818	-0.001	98	1608341	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	89	253670	10.0	10.3	
103 Chrysene	228	11.847	11.853	-0.006	100	423922	10.0	10.1	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	324696	10.0	9.87	
106 Benzo[b]fluoranthene	252	13.247	13.253	-0.006	97	344158	10.0	10.3	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	97	356784	10.0	9.93	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	305451	10.0	10.2	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1270182	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.370	15.382	-0.012	96	265853	10.0	10.4	
111 Dibenz(a,h)anthracene	278	15.411	15.423	-0.012	96	280679	10.0	9.98	
112 Benzo[g,h,i]perylene	276	15.823	15.835	-0.012	95	285369	10.0	9.06	
S 119 Total Cresols	1				0			22.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L4_00010

Amount Added: 1.00

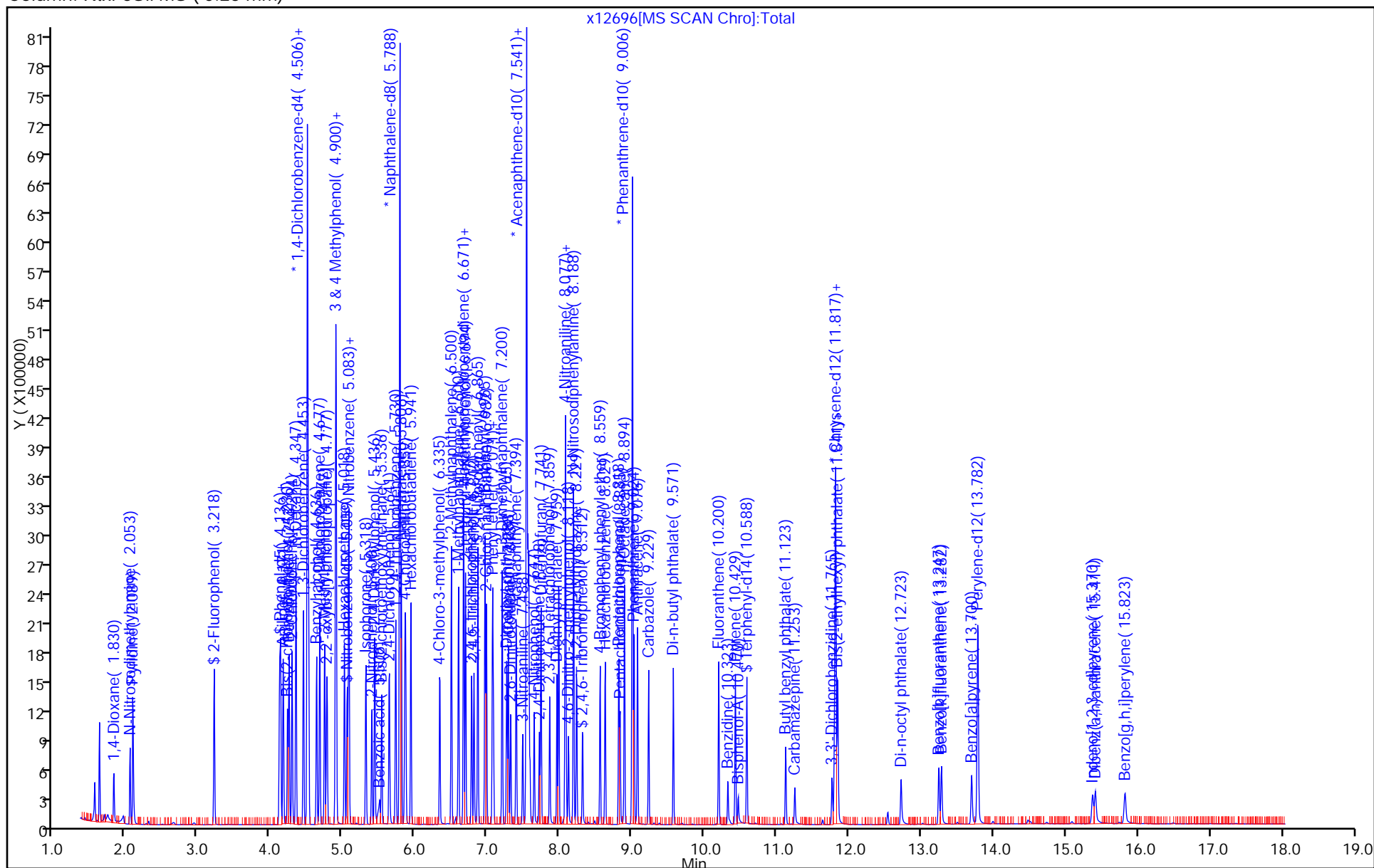
Units: mL

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

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12696.D		
Injection Date:	11-Apr-2016 15:24:30	Instrument ID:	CBNAMS5
Lims ID:	std10		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

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



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12697.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Apr-2016 15:48:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-007
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:05 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:08:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.830	1.818	0.012	97	75817	5.00	5.15	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	68	107028	5.00	5.24	
3 Pyridine	79	2.095	2.089	0.006	80	184751	5.00	5.26	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	95	226716	5.00	5.41	
\$ 6 Phenol-d5	99	4.118	4.142	-0.024	87	266878	5.00	5.58	
7 Phenol	94	4.130	4.159	-0.029	98	256765	5.00	5.66	
8 Aniline	93	4.171	4.183	-0.012	99	300139	5.00	5.46	
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	96	188793	5.00	5.19	
10 Benzonitrile	103	4.247	4.277	-0.030	67	394868	NC	NC	
11 2-Chlorophenol	128	4.294	4.306	-0.012	95	217132	5.00	5.53	
12 n-Decane	43	4.347	4.353	-0.006	95	301529	5.00	6.04	
13 1,3-Dichlorobenzene	146	4.453	4.459	-0.006	96	273002	5.00	5.49	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	96	1155060	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.530	-0.006	96	269188	5.00	5.51	
16 Benzyl alcohol	108	4.630	4.647	-0.017	92	132815	5.00	5.44	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	96	259479	5.00	5.58	
18 2-Methylphenol	108	4.742	4.759	-0.017	88	196664	5.00	5.73	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	91	338124	5.00	3.86	
20 N-Methylaniline	106	4.894	4.906	-0.012	81	301973	NC	NC	
24 4-Methylphenol	108	4.894	4.918	-0.024	84	201493	5.00	5.98	
21 Acetophenone	105	4.900	4.918	-0.018	88	250551	5.00	5.96	
23 3 & 4 Methylphenol	108	4.894	4.918	-0.024	81	201493	5.00	5.98	
22 N-Nitrosodi-n-propylamine	70	4.900	4.924	-0.024	95	126504	5.00	5.25	
25 Hexachloroethane	117	5.018	5.024	-0.006	89	93909	5.00	5.32	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	93	228451	5.00	5.54	
28 Nitrobenzene	77	5.077	5.094	-0.017	91	281499	5.00	5.38	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	324088	5.00	5.45	
31 Isophorone	82	5.312	5.336	-0.024	98	336933	5.00	5.29	
32 2-Nitrophenol	139	5.400	5.406	-0.006	92	101546	5.00	5.15	
33 2,4-Dimethylphenol	122	5.436	5.447	-0.011	91	178651	5.00	5.51	
34 Bis(2-chloroethoxy)methane	93	5.536	5.541	-0.005	99	197192	5.00	5.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.489	5.577	-0.088	93	43251	5.00	5.07	
36 2,4-Dichlorophenol	162	5.636	5.647	-0.011	95	171551	5.00	5.10	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	209486	5.00	5.11	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	99	3924952	40.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	99	575646	5.00	5.56	
40 4-Chloroaniline	127	5.853	5.865	-0.012	96	223634	5.00	5.64	
41 Hexachlorobutadiene	225	5.941	5.941	0.000	96	135378	5.00	4.84	
43 4-Chloro-3-methylphenol	107	6.336	6.347	-0.011	97	144676	5.00	5.47	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	86	403681	5.00	5.64	
45 1-Methylnaphthalene	142	6.600	6.606	-0.006	93	344604	5.00	5.61	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	97	121020	5.00	3.97	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	194362	5.00	4.79	
48 2-tertbutyl-4-methylphenol	149	6.694	6.700	-0.006	91	271760	5.00	5.80	
49 2,4,6-Trichlorophenol	196	6.777	6.788	-0.011	91	110611	5.00	4.91	
50 2,4,5-Trichlorophenol	196	6.812	6.818	-0.006	97	113287	5.00	4.96	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	469398	5.00	5.30	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	94	469081	5.00	5.37	
53 2-Chloronaphthalene	162	6.983	6.994	-0.011	98	349274	5.00	5.31	
54 Phenyl ether	170	7.071	7.077	-0.006	87	255363	5.00	5.36	
56 2-Nitroaniline	65	7.077	7.088	-0.011	97	102616	5.00	5.13	
57 1,3-Dimethylnaphthalene	156	7.200	7.212	-0.012	94	305143	5.00	5.71	
58 Dimethyl phthalate	163	7.265	7.277	-0.012	100	325385	5.00	5.35	
59 Coumarin	146	7.283	7.300	-0.017	78	100750	5.00	5.83	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	94	69910	5.00	5.14	
61 Acenaphthylene	152	7.394	7.406	-0.012	97	497218	5.00	5.45	
64 3-Nitroaniline	138	7.483	7.500	-0.017	95	70827	5.00	5.20	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2087313	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.559	7.565	-0.006	96	373023	5.00	4.93	
67 Acenaphthene	154	7.571	7.577	-0.006	93	332398	5.00	5.49	
68 2,4-Dinitrophenol	184	7.583	7.600	-0.017	88	35762	10.0	9.01	
69 4-Nitrophenol	65	7.641	7.659	-0.018	90	73125	10.0	9.08	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	96	76542	5.00	5.01	
71 Dibenzofuran	168	7.735	7.747	-0.012	95	469206	5.00	5.42	
72 2,3,4,6-Tetrachlorophenol	232	7.859	7.865	-0.006	96	79056	5.00	4.50	
73 Diethyl phthalate	149	7.959	7.971	-0.012	99	286500	5.00	5.44	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.082	-0.005	88	179138	5.00	5.03	
75 Fluorene	166	8.077	8.082	-0.005	96	342267	5.00	5.49	
76 4-Nitroaniline	138	8.082	8.106	-0.024	86	52384	5.00	4.84	
77 4,6-Dinitro-2-methylphenol	198	8.118	8.135	-0.017	94	62255	10.0	9.17	
78 N-Nitrosodiphenylamine	169	8.188	8.200	-0.012	67	479133	10.0	10.5	
79 1,2-Diphenylhydrazine	77	8.230	8.241	-0.011	98	284383	5.00	5.53	
\$ 80 2,4,6-Tribromophenol	330	8.312	8.324	-0.012	89	79826	5.00	4.64	
81 4-Bromophenyl phenyl ether	248	8.559	8.565	-0.006	93	106306	5.00	4.64	
83 Hexachlorobenzene	284	8.630	8.635	-0.005	94	128201	5.00	4.68	
85 Pentachlorophenol	266	8.818	8.824	-0.006	95	116252	10.0	9.04	
86 Pentachloronitrobenzene	237	8.829	8.841	-0.012	90	41505	5.00	4.78	
87 n-Octadecane	57	8.894	8.900	-0.006	97	206813	5.00	5.66	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2881755	40.0	40.0	
89 Phenanthrene	178	9.024	9.029	-0.005	97	421085	5.00	5.22	
90 Anthracene	178	9.077	9.082	-0.005	99	425092	5.00	5.23	
91 Carbazole	167	9.229	9.235	-0.006	96	317836	5.00	5.30	
92 Di-n-butyl phthalate	149	9.571	9.576	-0.005	100	359765	5.00	5.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.200	10.206	-0.006	99	347763	5.00	4.98	
94 Benzidine	184	10.324	10.329	-0.005	99	111778	5.00	4.32	
95 Pyrene	202	10.429	10.435	-0.006	98	347617	5.00	5.18	
82 Bisphenol-A	213	10.465	10.471	-0.006	98	48904	5.00	6.04	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	265667	5.00	4.93	
97 Butyl benzyl phthalate	149	11.123	11.129	-0.006	96	96136	5.00	4.72	
99 Carbamazepine	193	11.253	11.259	-0.006	92	53659	5.00	5.18	
100 3,3'-Dichlorobenzidine	252	11.765	11.770	-0.005	98	73902	5.00	4.31	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	229936	5.00	4.57	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1738851	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	87	126694	5.00	4.76	
103 Chrysene	228	11.847	11.853	-0.006	100	218824	5.00	4.82	
105 Di-n-octyl phthalate	149	12.717	12.723	-0.006	97	149302	5.00	4.41	
106 Benzo[b]fluoranthene	252	13.241	13.253	-0.012	97	166733	5.00	4.85	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	97	173911	5.00	4.70	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	99	145760	5.00	4.72	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1307403	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.370	15.382	-0.012	96	124760	5.00	4.74	
111 Dibenz(a,h)anthracene	278	15.406	15.423	-0.017	97	126367	5.00	4.37	
112 Benzo[g,h,i]perylene	276	15.817	15.835	-0.018	95	133887	5.00	4.13	
S 119 Total Cresols	1				0			11.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L3_00012

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12697.D

Injection Date: 11-Apr-2016 15:48:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std5

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

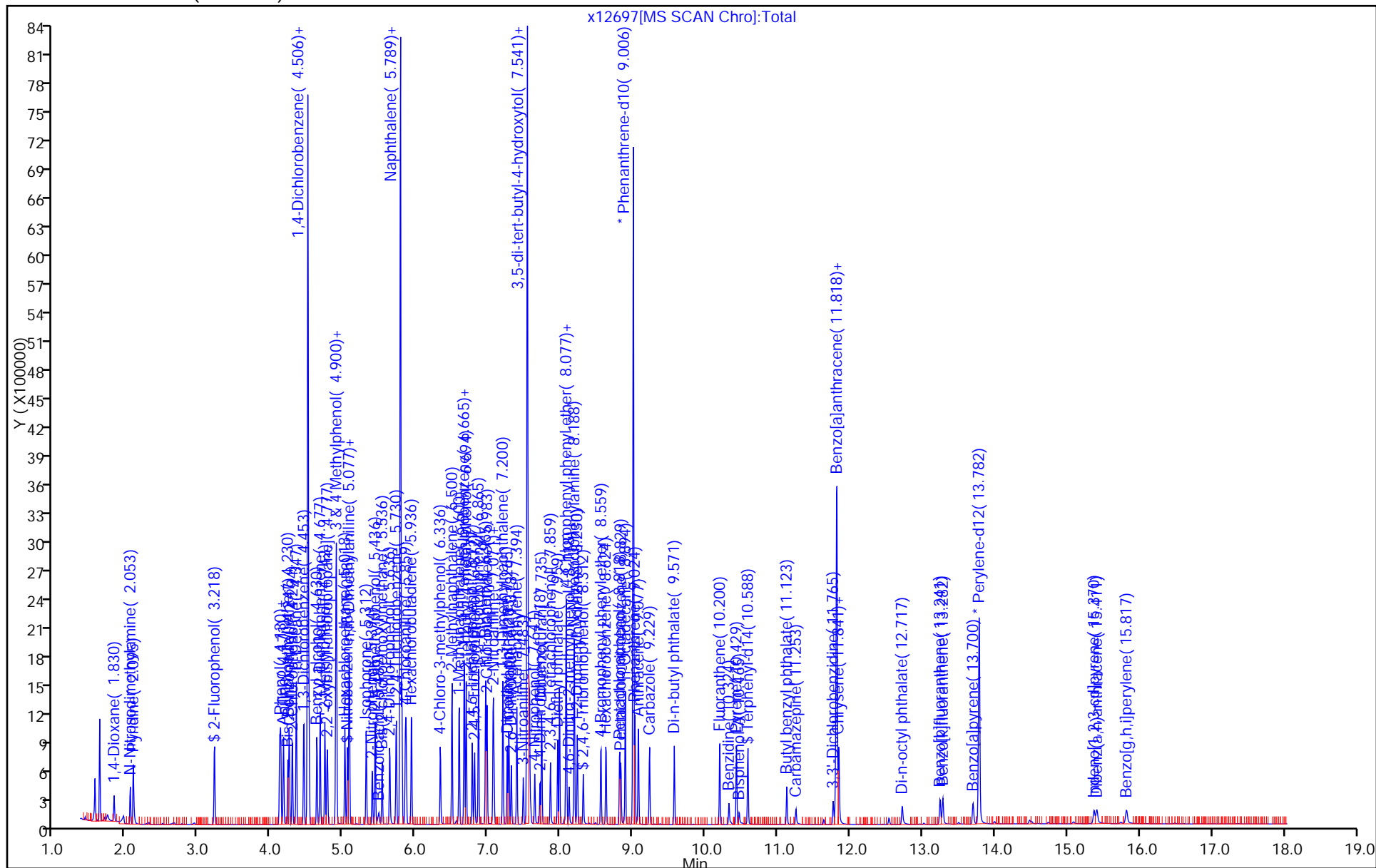
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12698.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Apr-2016 16:13:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-008
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:10 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:09:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	94	95172	2.00	2.37	
\$ 6 Phenol-d5	99	4.118	4.142	-0.024	91	112260	2.00	2.45	
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	95	80795	2.00	2.32	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1106984	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.900	4.924	-0.024	94	56633	2.00	2.45	
25 Hexachloroethane	117	5.018	5.024	-0.006	89	38338	2.00	2.27	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	92	95048	2.00	2.36	
28 Nitrobenzene	77	5.077	5.094	-0.017	89	117375	2.00	2.30	
27 n,n'-Dimethylaniline	120	5.077	5.094	-0.017	92	133689	2.00	2.34	
31 Isophorone	82	5.312	5.336	-0.024	98	144805	2.00	2.33	
36 2,4-Dichlorophenol	162	5.636	5.647	-0.011	95	66332	2.00	2.02	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	83890	2.00	2.10	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	100	3831061	40.0	40.0	
41 Hexachlorobutadiene	225	5.942	5.941	0.001	95	54240	2.00	1.99	
49 2,4,6-Trichlorophenol	196	6.777	6.788	-0.011	88	40474	2.00	1.85	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	194117	2.00	2.25	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	93	26759	2.00	2.02	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2032046	40.0	40.0	
68 2,4-Dinitrophenol	184	7.583	7.600	-0.017	4	8782	4.00	4.56	
70 2,4-Dinitrotoluene	165	7.712	7.730	-0.018	95	28789	2.00	1.94	
77 4,6-Dinitro-2-methylphenol	198	8.118	8.135	-0.017	93	16497	4.00	4.16	
78 N-Nitrosodiphenylamine	169	8.188	8.200	-0.012	66	197863	4.00	4.47	
\$ 80 2,4,6-Tribromophenol	330	8.312	8.324	-0.012	90	28447	2.00	1.70	
83 Hexachlorobenzene	284	8.624	8.635	-0.011	95	47595	2.00	1.79	
85 Pentachlorophenol	266	8.812	8.824	-0.012	95	36033	4.00	2.90	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2789026	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	103120	2.00	2.10	
100 3,3'-Dichlorobenzidine	252	11.765	11.770	-0.005	97	23216	2.00	1.49	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	97	87563	2.00	1.91	
* 102 Chrysene-d12	240	11.818	11.818	0.000	99	1583742	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.241	13.253	-0.012	97	56593	2.00	1.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	96	66463	2.00	1.98	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	53673	2.00	1.92	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1185495	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.364	15.382	-0.018	96	41550	2.00	1.74	
111 Dibenz(a,h)anthracene	278	15.412	15.423	-0.011	97	44712	2.00	1.70	

Reagents:

SV_IC_BNA_LO_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12698.D

Injection Date: 11-Apr-2016 16:13:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

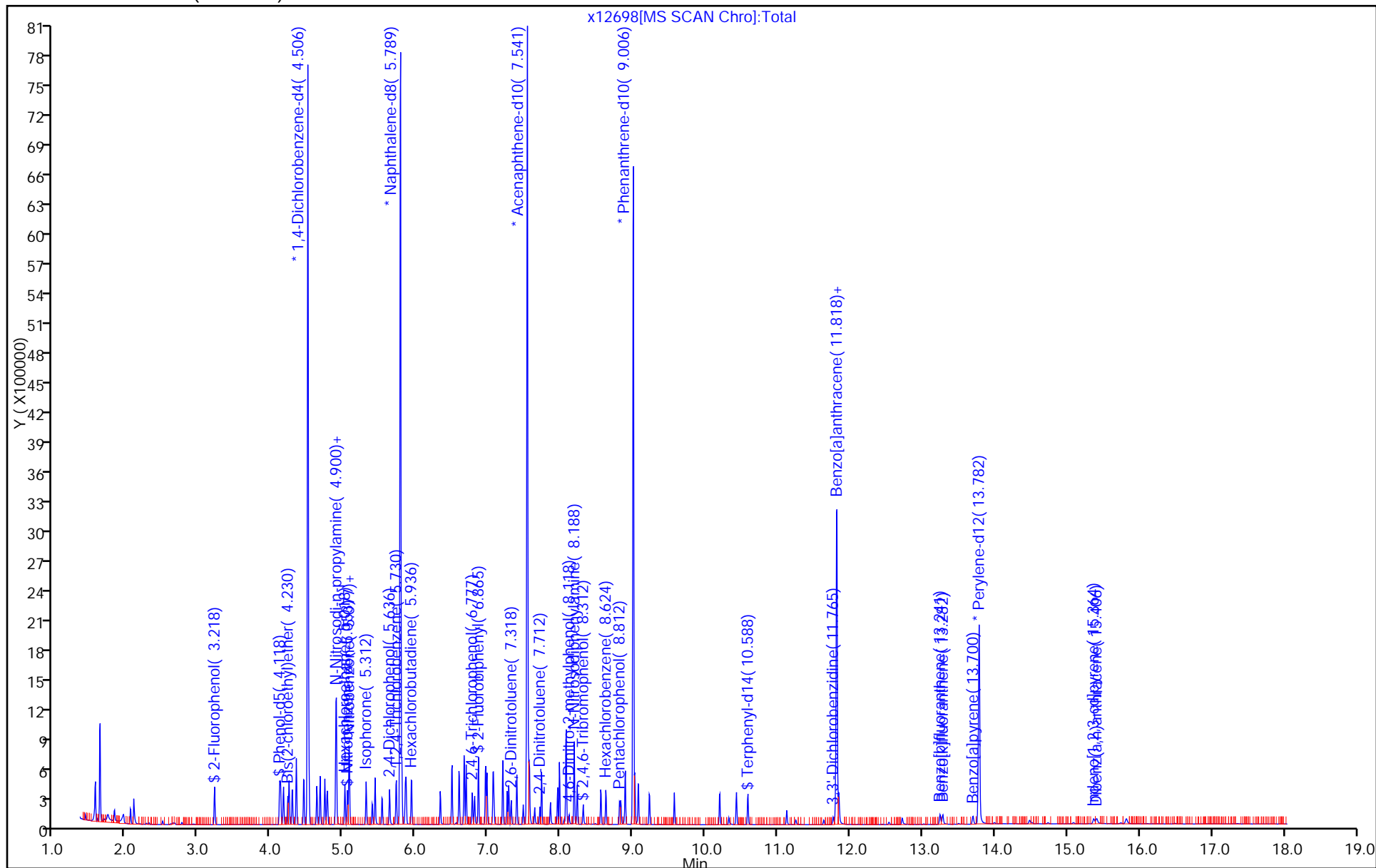
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12699.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Apr-2016 16:37:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-009
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:16 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:05:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	95	41191	1.00	1.00	
\$ 6 Phenol-d5	99	4.118	4.142	-0.024	94	47278	1.00	1.01	
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	97	42993	1.00	1.20	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1134727	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.900	4.924	-0.024	94	28045	1.00	1.18	
25 Hexachloroethane	117	5.018	5.024	-0.006	88	19236	1.00	1.11	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	91	40930	1.00	1.01	
28 Nitrobenzene	77	5.077	5.094	-0.017	89	59337	1.00	1.15	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	67989	1.00	1.16	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	43222	1.00	1.07	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	99	3856551	40.0	40.0	
41 Hexachlorobutadiene	225	5.942	5.941	0.001	96	27869	1.00	1.01	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	84898	1.00	0.9627	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	94	13088	1.00	0.9651	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2079642	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.712	7.730	-0.018	96	13232	1.00	0.8696	
83 Hexachlorobenzene	284	8.624	8.635	-0.011	96	24519	1.00	0.8837	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	98	2916368	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	47610	1.00	0.9345	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	48386	1.00	1.02	
* 102 Chrysene-d12	240	11.818	11.818	0.000	99	1642671	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.241	13.253	-0.012	97	29739	1.00	0.9037	
107 Benzo[k]fluoranthene	252	13.276	13.288	-0.012	96	34387	1.00	0.9724	
108 Benzo[a]pyrene	252	13.694	13.706	-0.012	98	26202	1.00	0.8863	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1250735	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.365	15.382	-0.018	95	20113	1.00	0.7983	
111 Dibenz(a,h)anthracene	278	15.406	15.423	-0.017	96	22166	1.00	0.8004	

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12699.D

Injection Date: 11-Apr-2016 16:37:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

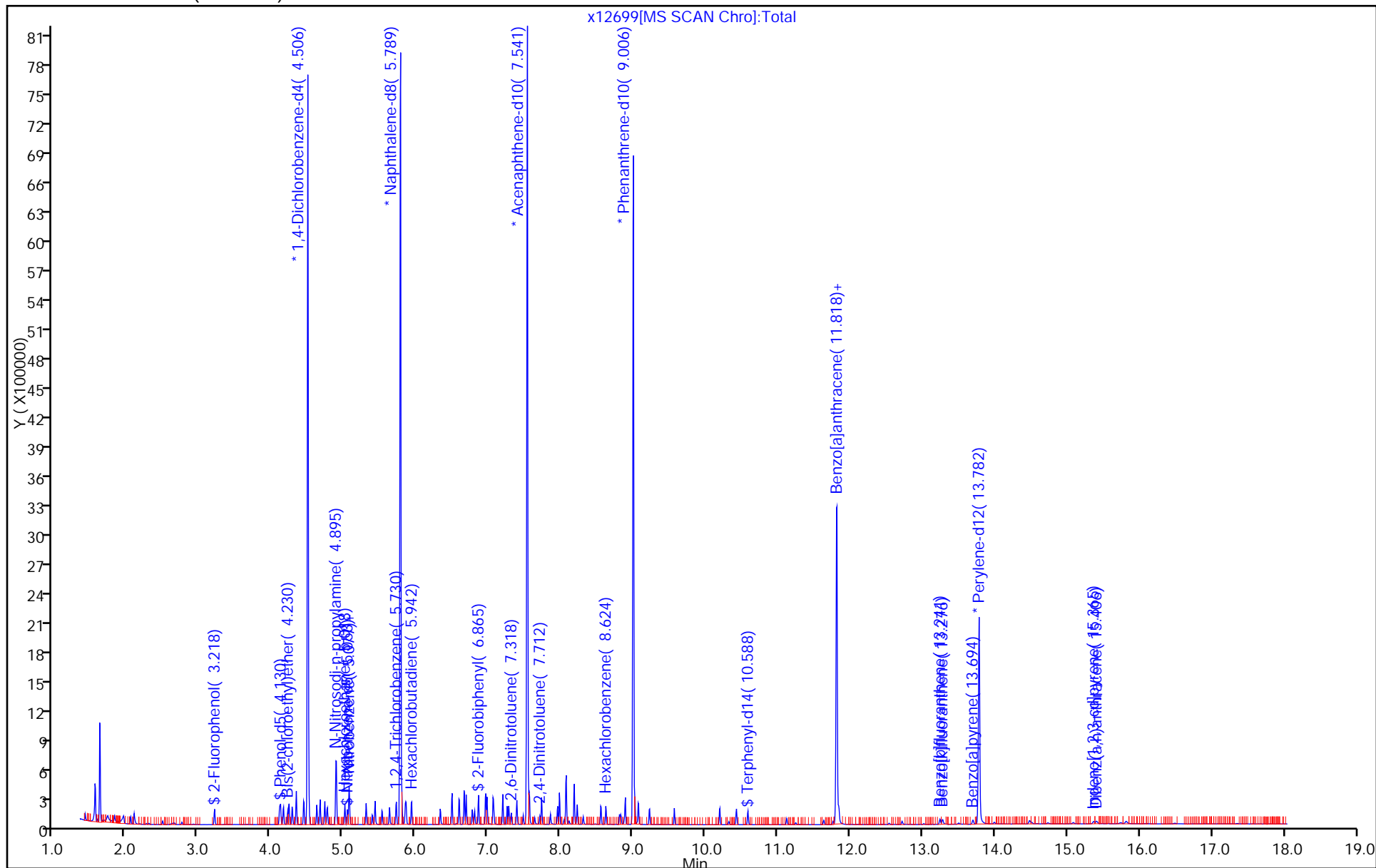
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12700.D
 Lims ID: std05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Apr-2016 17:01:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-010
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:22 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:09:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	96	21887	0.5000	0.5854	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1187058	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.900	4.924	-0.024	89	15636	0.5000	0.6310	
25 Hexachloroethane	117	5.018	5.024	-0.006	87	10106	0.5000	0.5574	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	93	19124	0.5000	0.4462	
28 Nitrobenzene	77	5.077	5.094	-0.017	89	31417	0.5000	0.5786	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	36685	0.5000	0.5999	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	23161	0.5000	0.5438	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	99	4075837	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	46593	0.5000	0.5041	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2179817	40.0	40.0	
83 Hexachlorobenzene	284	8.624	8.635	-0.011	94	13478	0.5000	0.4677	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3029113	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	23557	0.5000	0.4512	
101 Benzo[a]anthracene	228	11.806	11.806	0.000	96	27989	0.5000	0.5743	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1683500	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.241	13.253	-0.012	97	15118	0.5000	0.4515	
107 Benzo[k]fluoranthene	252	13.276	13.288	-0.012	98	17287	0.5000	0.4804	M
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	12379	0.5000	0.4115	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1272716	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.364	15.382	-0.018	96	10791	0.5000	0.4209	
111 Dibenz(a,h)anthracene	278	15.406	15.423	-0.017	95	11633	0.5000	0.4128	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12700.D

Injection Date: 11-Apr-2016 17:01:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

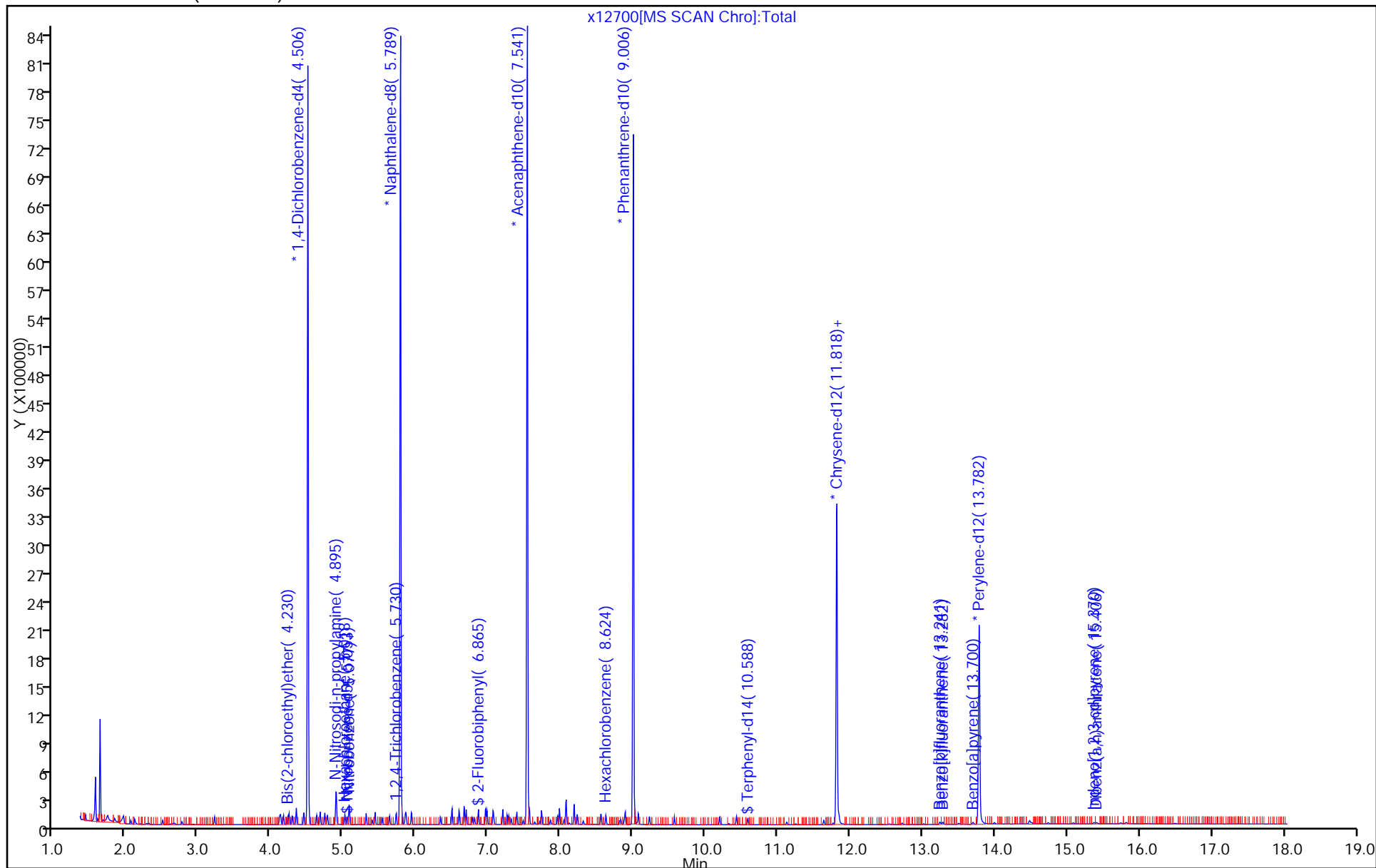
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12700.D

Injection Date: 11-Apr-2016 17:01:30

Instrument ID: CBNAMS5

Lims ID: std05

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

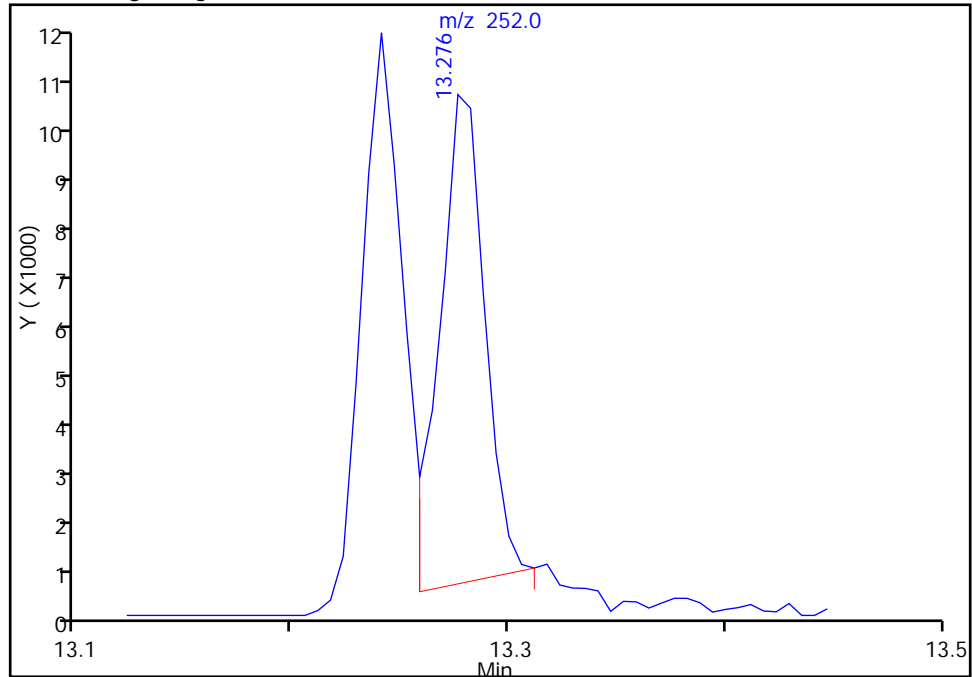
Detector

MS SCAN

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

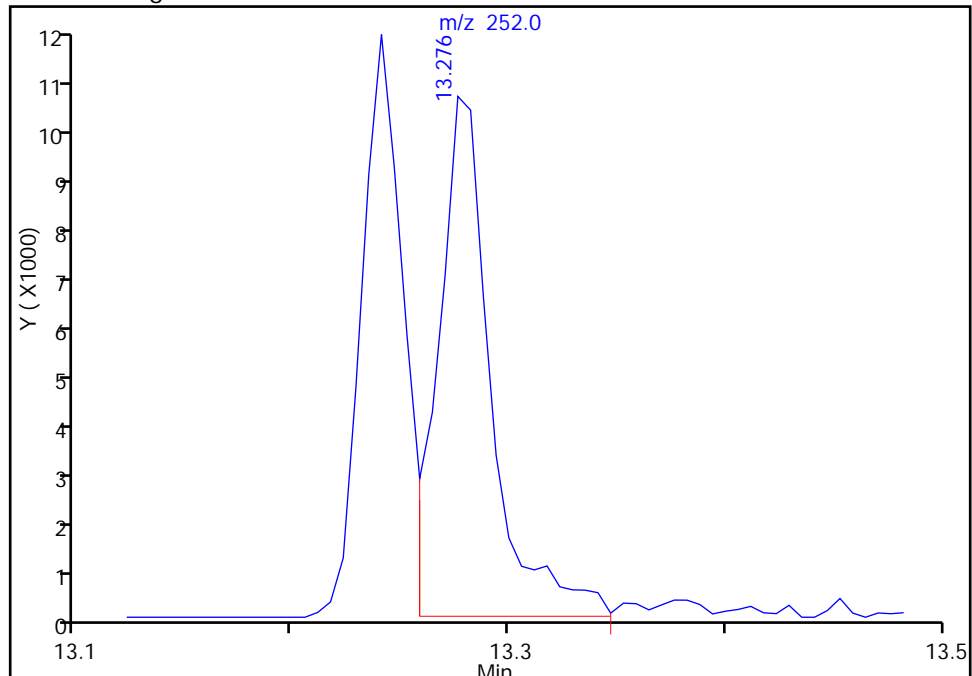
RT: 13.28
Area: 13836
Amount: 0.392868
Amount Units: ug/ml

Processing Integration Results



RT: 13.28
Area: 17287
Amount: 0.480396
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 18:09:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12700.D

Injection Date: 11-Apr-2016 17:01:30

Instrument ID: CBNAMS5

Lims ID: std05

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

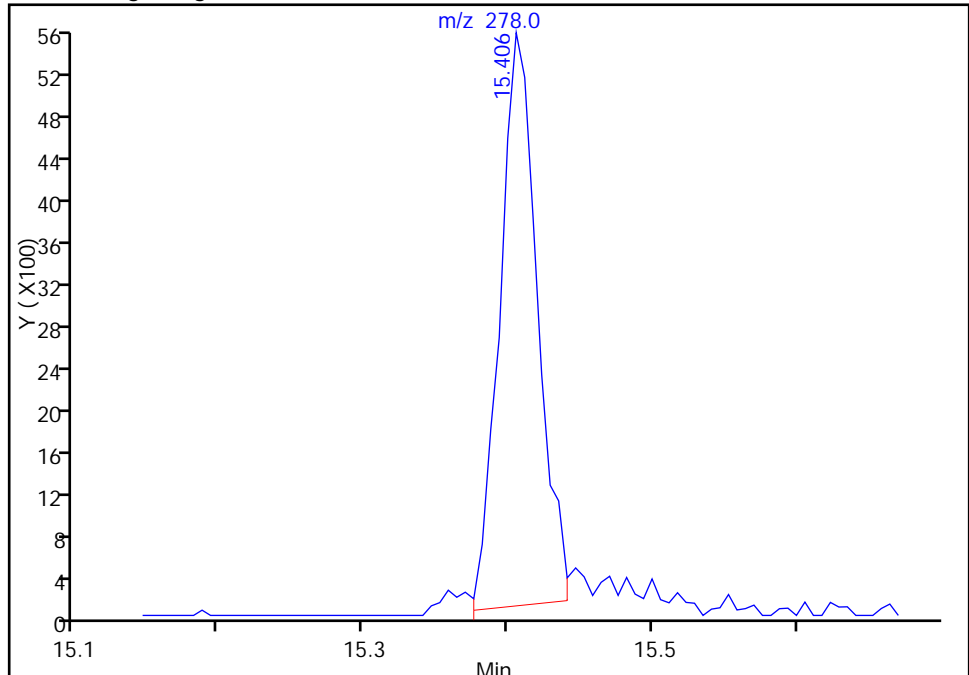
Detector

MS SCAN

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

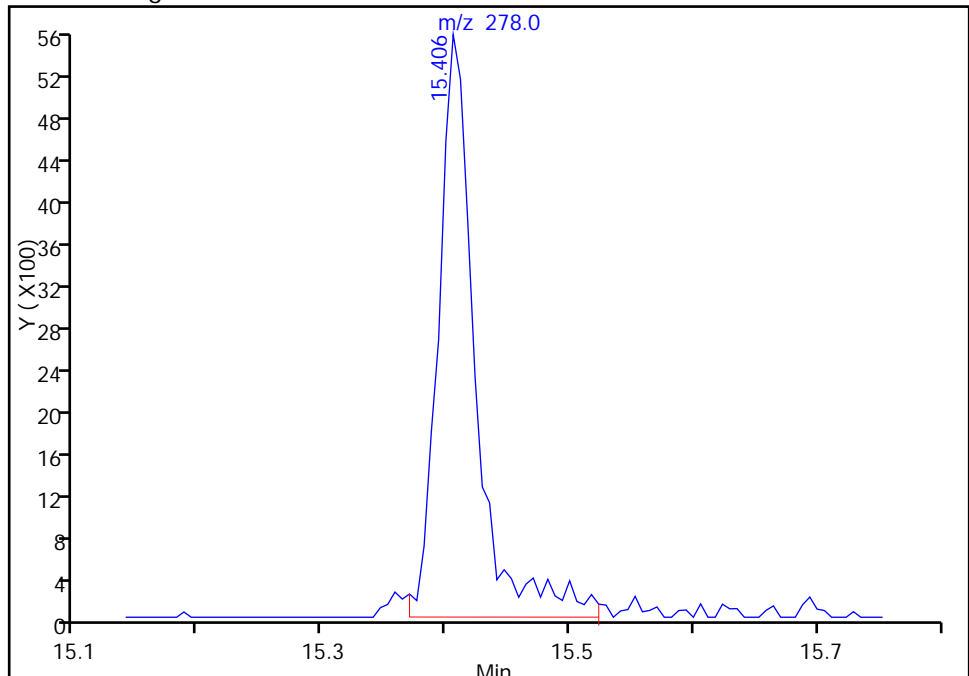
RT: 15.41
Area: 9907
Amount: 0.340754
Amount Units: ug/ml

Processing Integration Results



RT: 15.41
Area: 11633
Amount: 0.412827
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 18:35:59

Audit Action: Manually Integrated

Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 17:25 Calibration End Date: 04/11/2016 19:51 Calibration ID: 55296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-361914/17	x12707.D
Level 2	STD5 460-361914/16	x12706.D
Level 3	STD10 460-361914/15	x12705.D
Level 4	STD20 460-361914/14	x12704.D
Level 5	STD50 460-361914/11	x12701.D
Level 6	STD80 460-361914/13	x12703.D
Level 7	STD120 460-361914/12	x12702.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.3444 0.8989	1.2708 0.8780	1.2192	1.1746	0.9989	Ave		1.1121			0.0100	16.7		20.0			
Caprolactam	0.0540 0.0843	0.0642 0.0815	0.0773	0.0859	0.0909	Ave		0.0769			0.0100	17.1		20.0			
Atrazine	0.1906 0.2005	0.2068 0.1897	0.2041	0.2177	0.2203	Ave		0.2042			0.0100	5.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111496-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 17:25 Calibration End Date: 04/11/2016 19:51 Calibration ID: 55296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-361914/17	x12707.D
Level 2	STD5 460-361914/16	x12706.D
Level 3	STD10 460-361914/15	x12705.D
Level 4	STD20 460-361914/14	x12704.D
Level 5	STD50 460-361914/11	x12701.D
Level 6	STD80 460-361914/13	x12703.D
Level 7	STD120 460-361914/12	x12702.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	76337 2224145	190614 3020014	351870	687558	1422910	2.00 80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	10278 704346	32499 945567	76124	168615	433831	2.00 80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	26407 1322526	77975 1671435	154484	328047	837458	2.00 80.0	5.00 120	10.0	20.0	50.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12701.D
 Lims ID: std50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Apr-2016 17:25:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-011
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:29 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:10:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.071	4.071	0.000	88	1422910	50.0	44.9	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1139635	40.0	40.0	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	3816657	40.0	40.0	
42 Caprolactam	113	6.194	6.194	0.000	88	433831	50.0	59.2	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2129057	40.0	40.0	
84 Atrazine	200	8.718	8.718	0.000	94	837458	50.0	53.9	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3041762	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1916690	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1440558	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\x12701.D

Injection Date: 11-Apr-2016 17:25:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

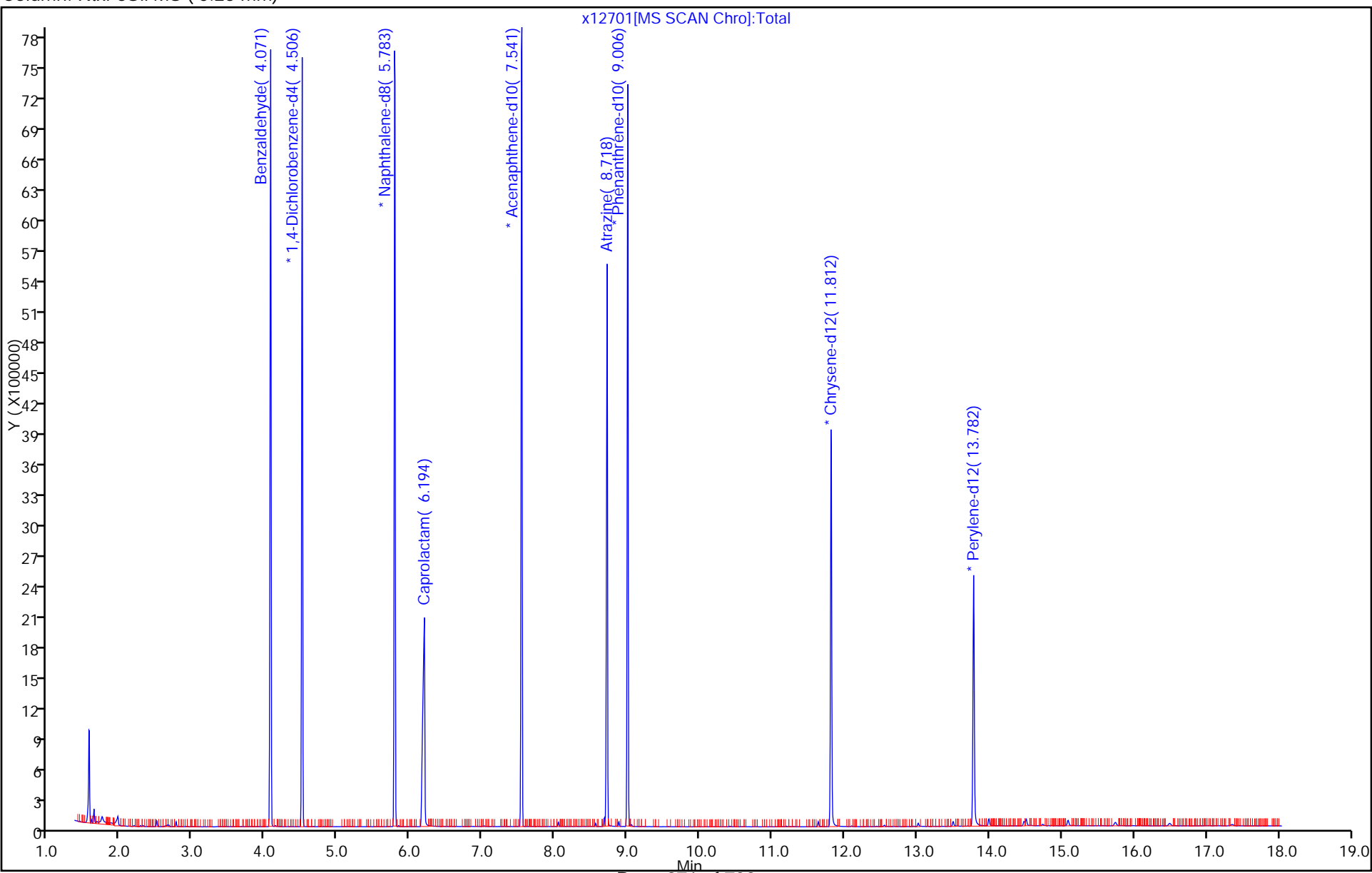
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12702.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 11-Apr-2016 17:49:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-012
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:34 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:14:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.083	4.071	0.012	89	3020014	120.0	94.7	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1146570	40.0	40.0	
* 38 Naphthalene-d8	136	5.789	5.783	0.006	100	3866877	40.0	40.0	
42 Caprolactam	113	6.218	6.194	0.024	87	945567	120.0	127.3	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2080128	40.0	40.0	
84 Atrazine	200	8.730	8.718	0.012	94	1671435	120.0	111.5	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2936739	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1803876	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	99	1362621	40.0	40.0	

Reagents:

SV_IC-S_L8_00005

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\x12702.D

Injection Date: 11-Apr-2016 17:49:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

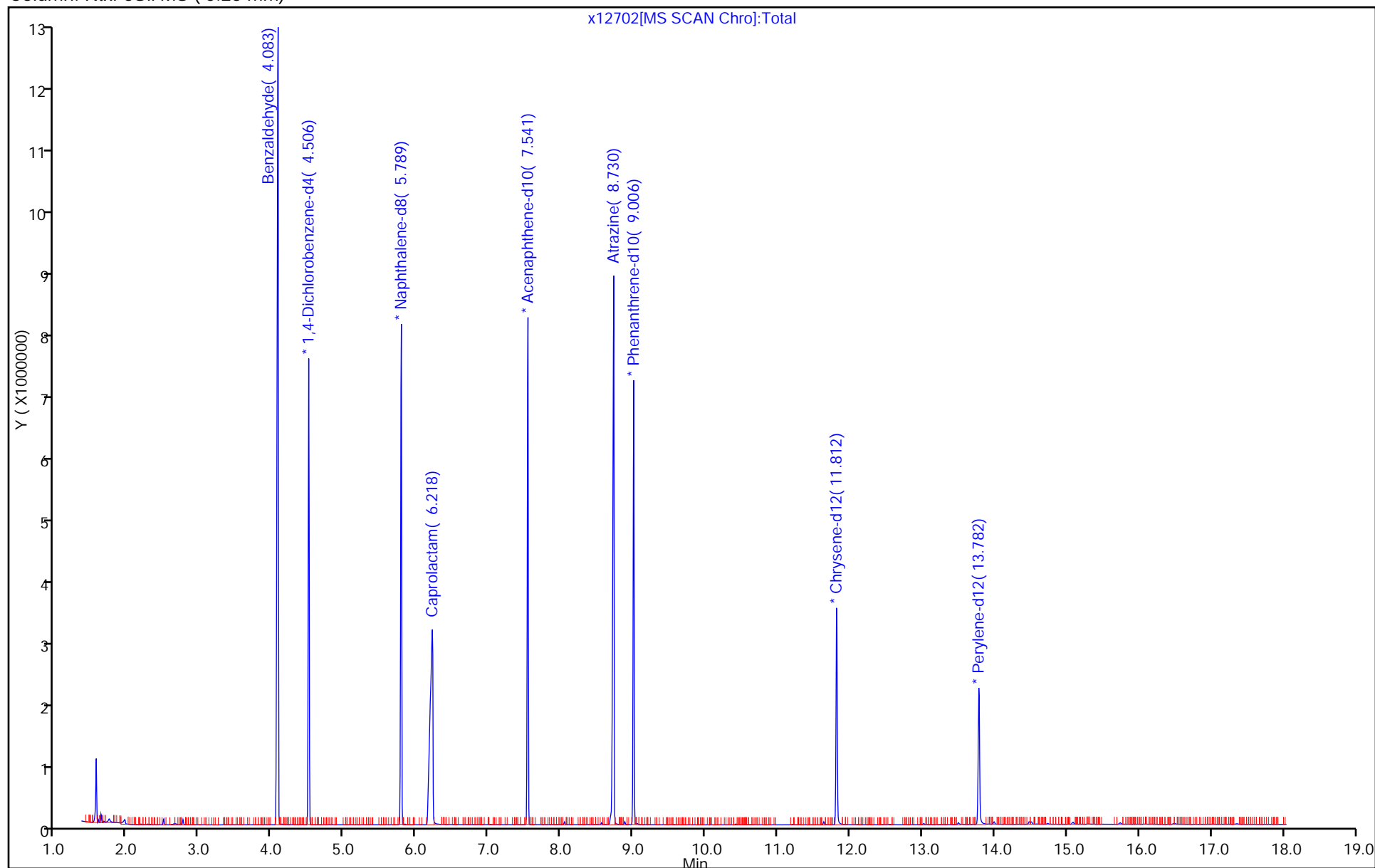
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12703.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Apr-2016 18:14:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-013
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:39 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:44:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.077	4.071	0.006	88	2224145	80.0	64.7	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1237216	40.0	40.0	
* 38 Naphthalene-d8	136	5.788	5.783	0.005	99	4179349	40.0	40.0	
42 Caprolactam	113	6.206	6.194	0.012	89	704346	80.0	87.7	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2264360	40.0	40.0	
84 Atrazine	200	8.724	8.718	0.006	94	1322526	80.0	78.5	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3298733	40.0	40.0	
* 102 Chrysene-d12	240	11.817	11.812	0.005	98	2069053	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1583007	40.0	40.0	

Reagents:

SV_IC-S_L7_00005

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12703.D

Injection Date: 11-Apr-2016 18:14:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std80

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

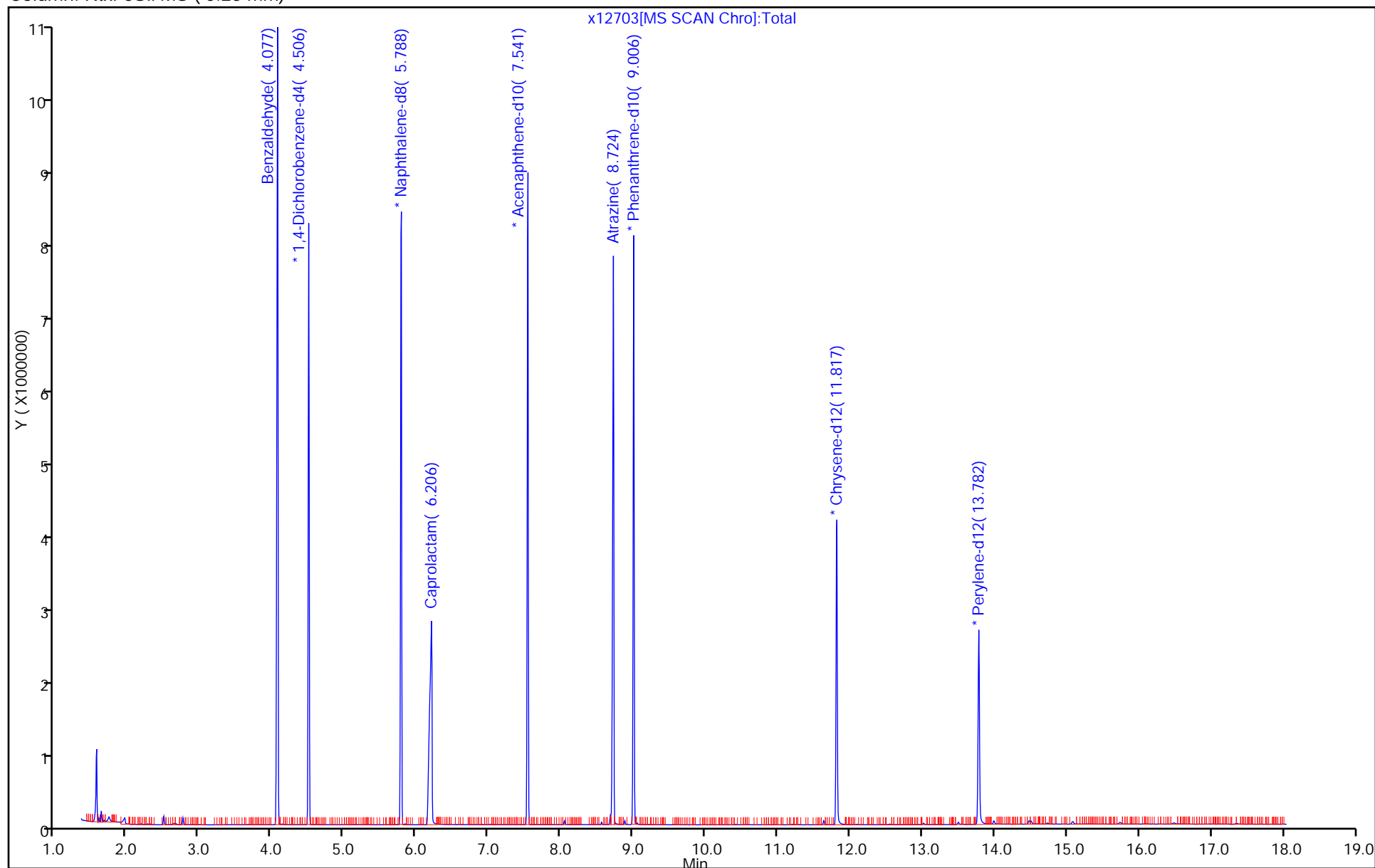
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12704.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Apr-2016 18:38:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-014
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:43 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 19:20:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	89	687558	20.0	21.1	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1170758	40.0	40.0	
* 38 Naphthalene-d8	136	5.789	5.783	0.006	99	3926462	40.0	40.0	
42 Caprolactam	113	6.177	6.194	-0.017	88	168615	20.0	22.3	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2099362	40.0	40.0	
84 Atrazine	200	8.712	8.718	-0.006	94	328047	20.0	21.3	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3013693	40.0	40.0	
* 102 Chrysene-d12	240	11.818	11.812	0.006	98	1727847	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	99	1270016	40.0	40.0	

Reagents:

SV_IC-S_L5_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12704.D

Injection Date: 11-Apr-2016 18:38:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std20

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

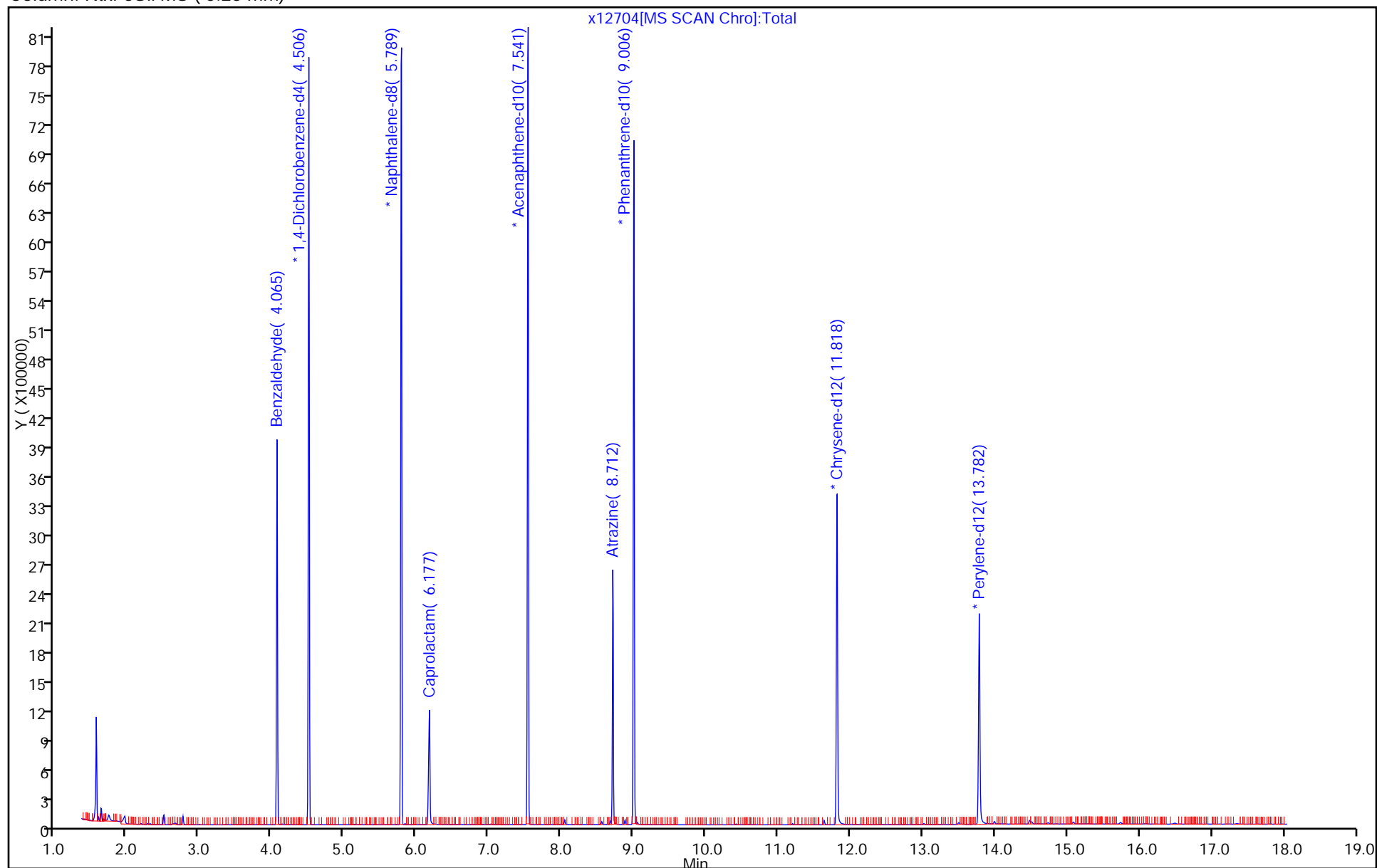
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12705.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Apr-2016 19:03:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-015
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:47 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 19:35:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	89	351870	10.0	11.0	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1154464	40.0	40.0	
* 38 Naphthalene-d8	136	5.788	5.783	0.005	100	3941468	40.0	40.0	
42 Caprolactam	113	6.165	6.194	-0.029	90	76124	10.0	10.1	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	90	2144312	40.0	40.0	
84 Atrazine	200	8.712	8.718	-0.006	94	154484	10.0	10.0	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3027075	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1672179	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1267081	40.0	40.0	

Reagents:

SV_IC-S_L4_00020

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12705.D

Injection Date: 11-Apr-2016 19:03:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std10

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

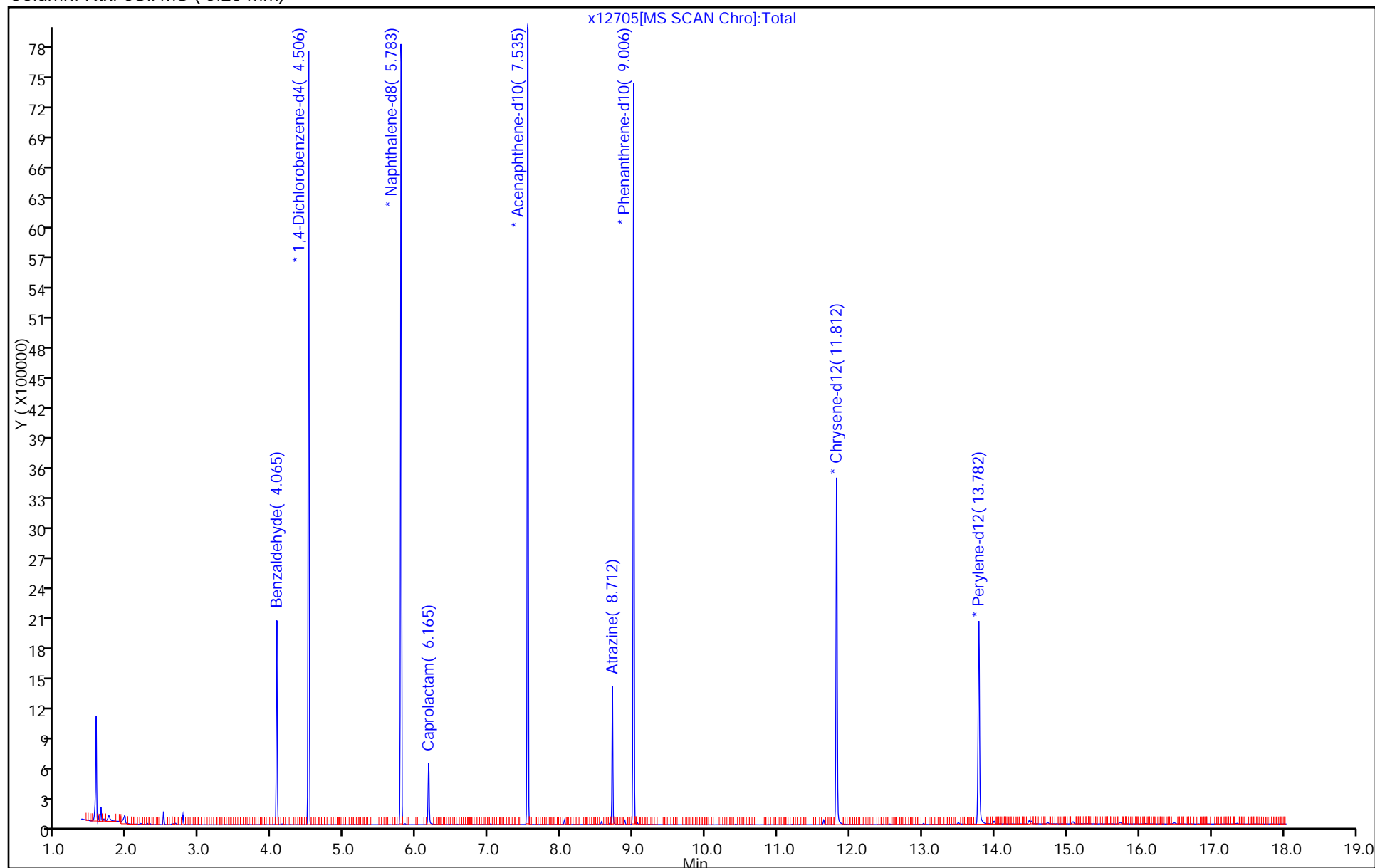
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12706.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Apr-2016 19:27:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-016
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:51 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 19:51:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	90	190614	5.00	5.71	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1199939	40.0	40.0	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	99	4047184	40.0	40.0	
42 Caprolactam	113	6.165	6.194	-0.029	90	32499	5.00	4.18	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2181136	40.0	40.0	
84 Atrazine	200	8.712	8.718	-0.006	94	77975	5.00	5.06	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3017017	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1704835	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1288351	40.0	40.0	

Reagents:

SV_IC-S_L3_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12706.D

Injection Date: 11-Apr-2016 19:27:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

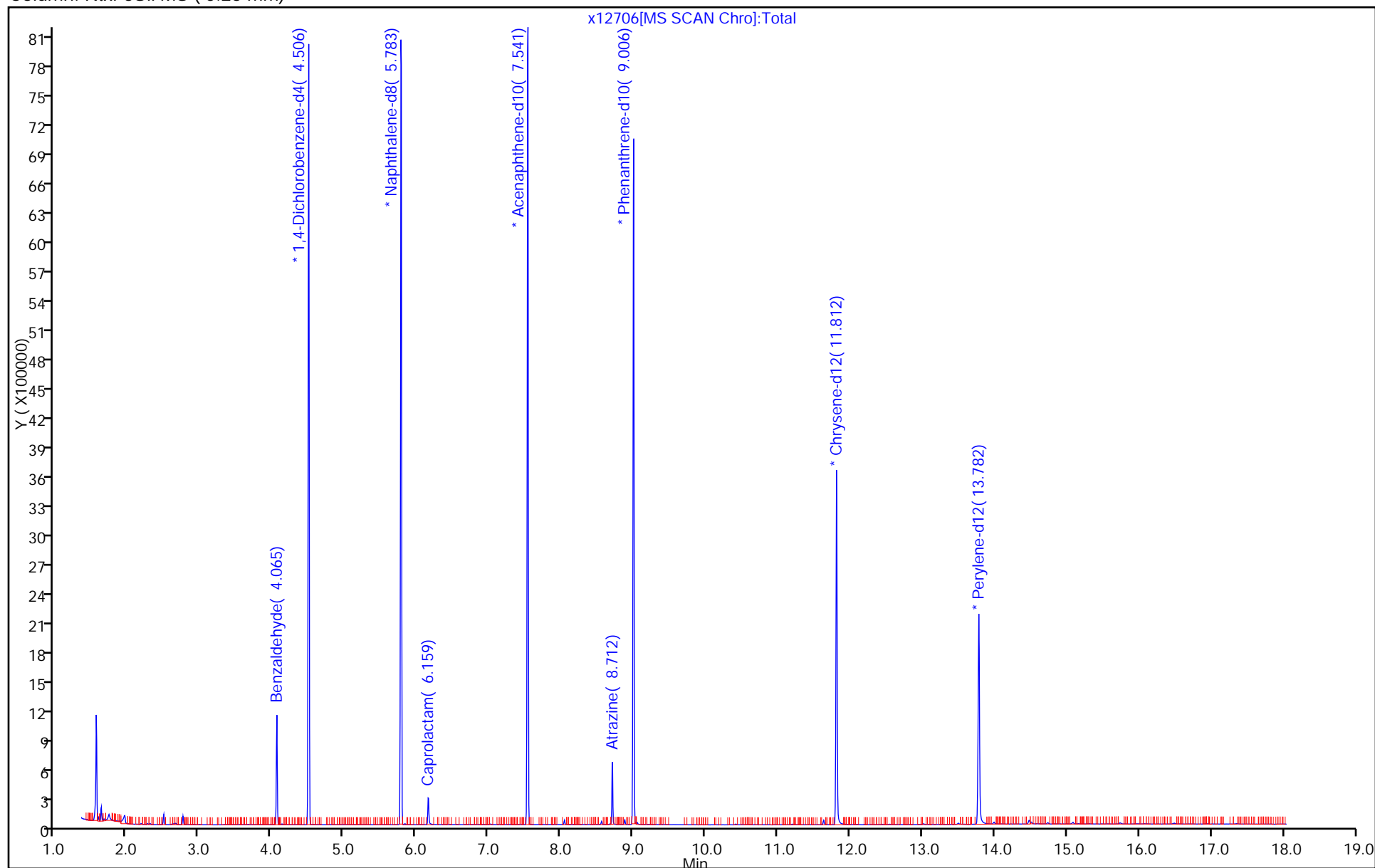
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Apr-2016 19:51:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-017
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:55 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 20:13:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	91	76337	2.00	2.42	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1135601	40.0	40.0	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	3810177	40.0	40.0	
42 Caprolactam	113	6.159	6.194	-0.035	89	10278	2.00	1.40	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2017081	40.0	40.0	
84 Atrazine	200	8.706	8.718	-0.012	94	26407	2.00	1.87	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2771010	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1538027	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1179944	40.0	40.0	

Reagents:

SV_IC-S_L2_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12707.D

Injection Date: 11-Apr-2016 19:51:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

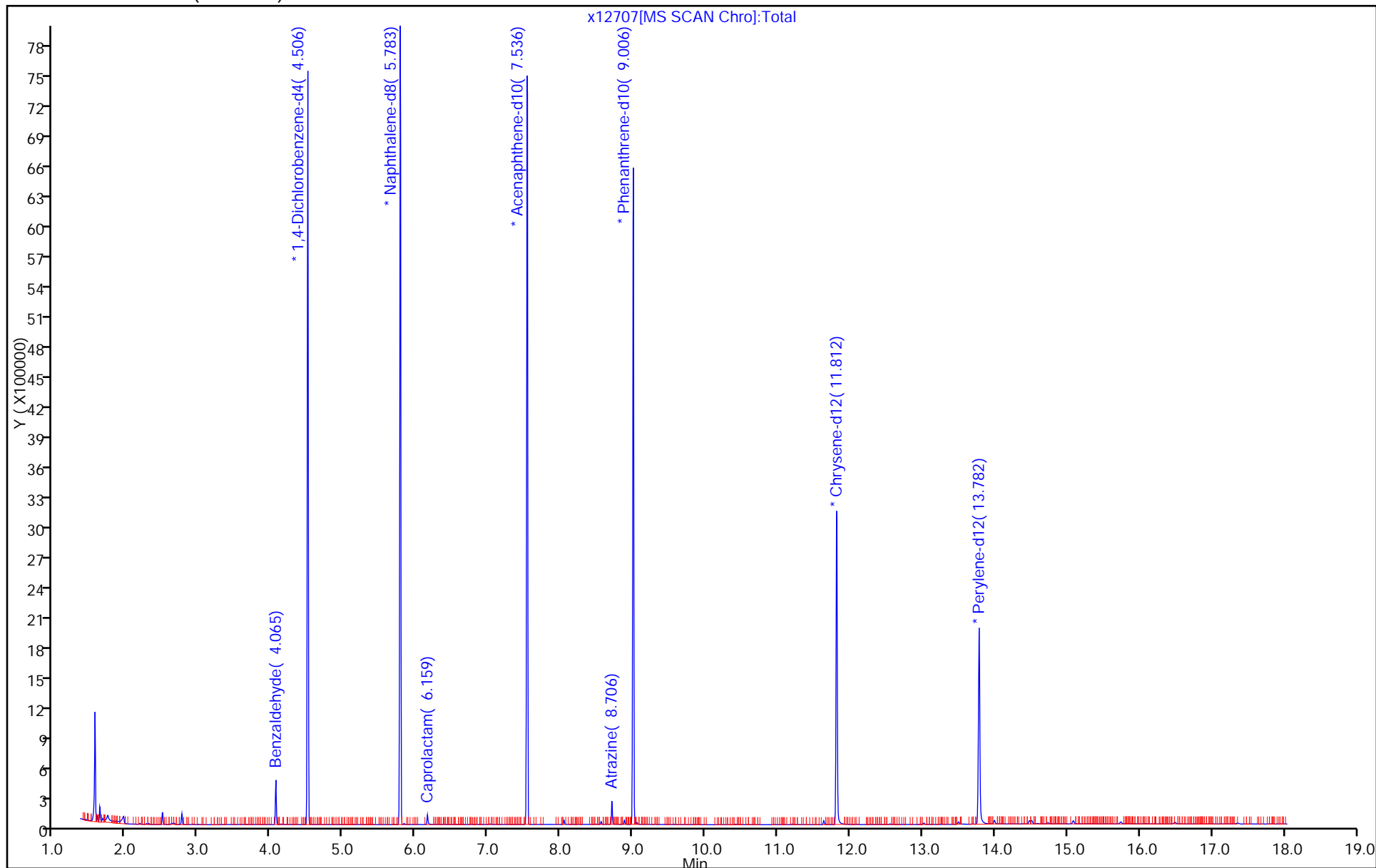
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab Sample ID: ICV 460-359292/19 Calibration Date: 03/29/2016 10:18
Instrument ID: CBNAMS12 Calib Start Date: 03/29/2016 06:48
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/29/2016 09:25
Lab File ID: L132079.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.164	1.454	0.0100	31200	25000	24.9	30.0
Caprolactam	Ave	0.0753	0.0968	0.0100	32200	25000	28.6	30.0
Atrazine	Ave	0.2022	0.2464	0.0100	30500	25000	21.8	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132079.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 29-Mar-2016 10:18:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-019
 Operator ID: Instrument ID: CBNAMS12
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:44:48 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: szczecha

Date: 29-Mar-2016 11:45:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.128	4.134	-0.006	92	126182	25.0	31.2	
* 13 1,4-Dichlorobenzene-d4	152	4.569	4.575	-0.006	98	138883	40.0	40.0	
* 36 Naphthalene-d8	136	5.851	5.851	0.000	99	508213	40.0	40.0	
40 Caprolactam	113	6.240	6.245	-0.005	86	30761	25.0	32.2	
* 63 Acenaphthene-d10	164	7.604	7.610	-0.006	93	256189	40.0	40.0	
82 Atrazine	200	8.781	8.786	-0.005	89	57062	25.0	30.5	
* 85 Phenanthrene-d10	188	9.075	9.075	0.000	99	370577	40.0	40.0	
* 100 Chrysene-d12	240	11.904	11.904	0.000	99	243877	40.0	40.0	
* 107 Perylene-d12	264	13.886	13.886	0.000	97	204125	40.0	40.0	

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160329-39121.b\\L132079.D

Injection Date: 29-Mar-2016 10:18:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ICV

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

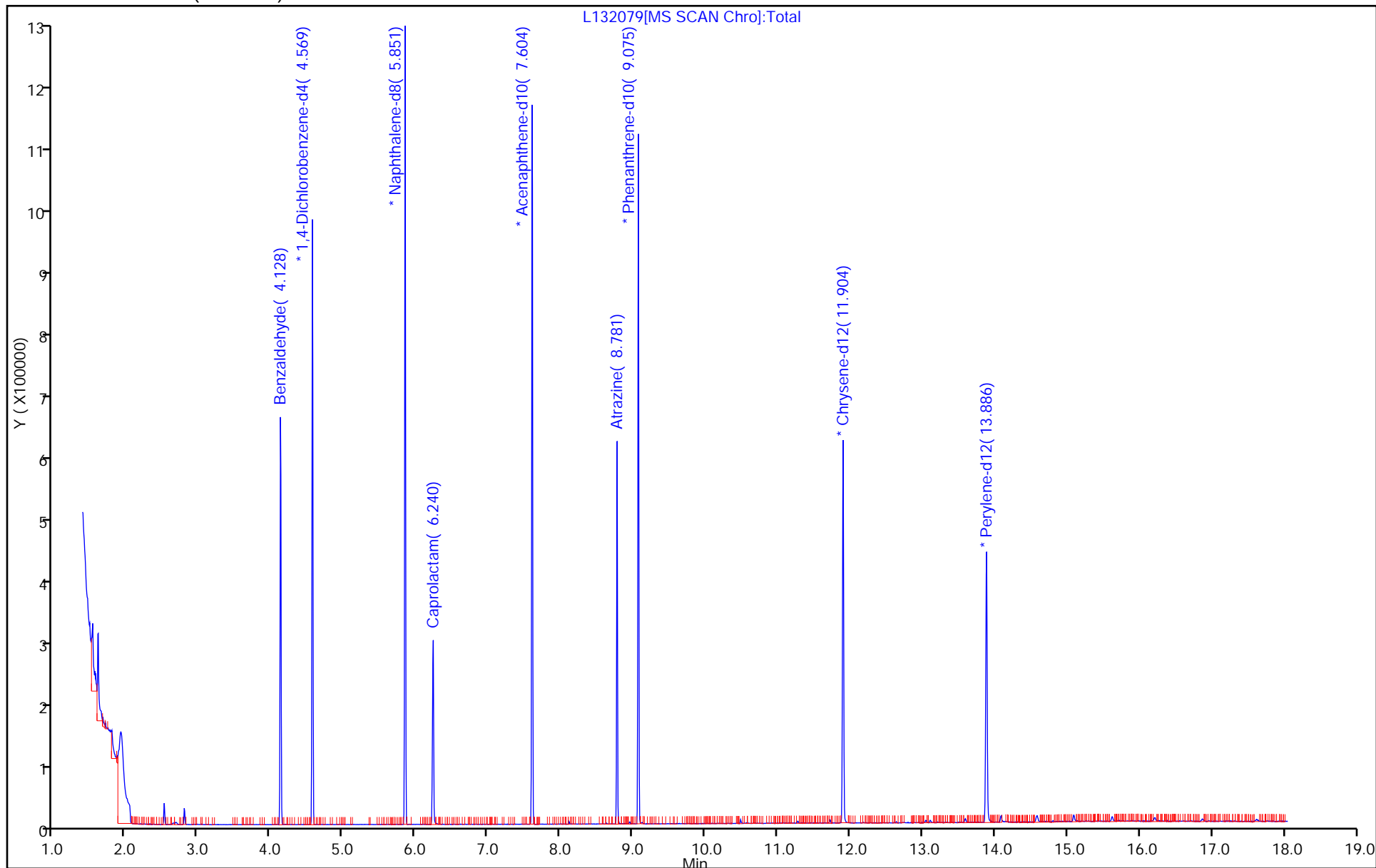
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Lab Sample ID: ICV 460-360983/11 Calibration Date: 04/06/2016 10:19

Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53

Lab File ID: L132429.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5437	0.5526	0.0100	25400	25000	1.6	30.0
N-Nitrosodimethylamine	Ave	0.7627	0.6763		22200	25000	-11.3	30.0
Pyridine	Ave	1.285	1.372		26700	25000	6.8	30.0
Phenol	Ave	1.722	1.786	0.8000	25900	25000	3.7	30.0
Aniline	Ave	1.924	2.050		26600	25000	6.6	30.0
Bis(2-chloroethyl)ether	Ave	1.294	1.329	0.7000	25700	25000	2.7	30.0
2-Chlorophenol	Ave	1.372	1.434	0.8000	26100	25000	4.6	30.0
n-Decane	Ave	2.269	2.296	0.0100	25300	25000	1.2	30.0
1,3-Dichlorobenzene	Ave	1.568	1.605		25600	25000	2.3	30.0
1,4-Dichlorobenzene	Ave	1.568	1.617		25800	25000	3.1	30.0
Benzyl alcohol	Ave	0.7594	0.8223	0.0100	27100	25000	8.3	30.0
1,2-Dichlorobenzene	Ave	1.482	1.532		25900	25000	3.4	30.0
2-Methylphenol	Ave	1.122	1.204	0.7000	26800	25000	7.2	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.708	2.856	0.0100	26400	25000	5.5	30.0
Acetophenone	Ave	1.582	1.680	0.0100	26500	25000	6.2	30.0
N-Nitrosodi-n-propylamine	Ave	0.8388	0.8968	0.5000	26700	25000	6.9	30.0
3 & 4 Methylphenol	Ave	1.188	1.291		27200	25000	8.7	30.0
4-Methylphenol	Ave	1.188	1.291	0.6000	27200	25000	8.7	30.0
Hexachloroethane	Ave	0.6386	0.6684	0.3000	26200	25000	4.7	30.0
Nitrobenzene	Ave	0.5270	0.5395	0.2000	25600	25000	2.4	30.0
n,n'-Dimethylaniline	Ave	1.903	1.953	0.0100	25700	25000	2.6	30.0
Isophorone	Ave	0.5937	0.6332	0.4000	26700	25000	6.7	30.0
2-Nitrophenol	Ave	0.1876	0.2029	0.1000	27000	25000	8.1	30.0
2,4-Dimethylphenol	Ave	0.3020	0.3077	0.2000	25500	25000	1.9	30.0
Bis(2-chloroethoxy)methane	Ave	0.3884	0.4098	0.3000	26400	25000	5.5	30.0
Benzoic acid	Qua		0.1066		26000	25000	3.8	30.0
2,4-Dichlorophenol	Ave	0.2817	0.3025	0.2000	26800	25000	7.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3305	0.3370		25500	25000	2.0	30.0
Naphthalene	Ave	1.019	1.085	0.7000	26600	25000	6.5	30.0
4-Chloroaniline	Ave	0.3702	0.3909	0.0100	26400	25000	5.6	30.0
Hexachlorobutadiene	Ave	0.1868	0.1930	0.0100	25800	25000	3.3	30.0
4-Chloro-3-methylphenol	Ave	0.2528	0.2764		27300	25000	9.3	30.0
2-Methylnaphthalene	Ave	0.6457	0.6631	0.4000	25700	25000	2.7	30.0
1-Methylnaphthalene	Ave	0.5620	0.6182	0.0100	27500	25000	10.0	30.0
Hexachlorocyclopentadiene	Ave	0.3488	0.3621	0.0500	26000	25000	3.8	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6124	0.6363	0.0100	26000	25000	3.9	30.0
2-tertbutyl-4-methylphenol	Ave	0.4149	0.4339	0.0100	26100	25000	4.6	30.0
2,4,6-Trichlorophenol	Lin2		0.4069	0.2000	26500	25000	5.9	30.0
2,4,5-Trichlorophenol	Ave	0.3980	0.4310	0.2000	27100	25000	8.3	30.0
1,1'-Biphenyl	Ave	1.561	1.641	0.0100	26300	25000	5.1	30.0
2-Chloronaphthalene	Ave	1.235	1.310	0.8000	26500	25000	6.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: ICV 460-360983/11 Calibration Date: 04/06/2016 10:19
 Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53
 Lab File ID: L132429.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8239	0.8669	0.0100	26300	25000	5.2	30.0
2-Nitroaniline	Ave	0.4363	0.4808	0.0100	27500	25000	10.2	30.0
1,3-Dimethylnaphthalene	Ave	0.9545	1.045	0.0100	27400	25000	9.5	30.0
Dimethyl phthalate	Ave	1.120	1.184	0.0100	26400	25000	5.7	30.0
Coumarin	Ave	0.1576	0.1702	0.0100	27000	25000	8.0	30.0
2,6-Dinitrotoluene	Ave	0.2656	0.2938	0.2000	27700	25000	10.6	30.0
Acenaphthylene	Ave	1.762	1.804	0.9000	25600	25000	2.4	30.0
3-Nitroaniline	Ave	0.2568	0.2902	0.0100	28200	25000	13.0	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.004	1.085	0.0100	27000	25000	8.0	30.0
Acenaphthene	Ave	1.055	1.125	0.9000	26700	25000	6.7	30.0
2,4-Dinitrophenol	Qua		0.1176	0.0100	53200	50000	6.4	30.0
4-Nitrophenol	Lin2		0.1933	0.0100	51400	50000	2.9	30.0
2,4-Dinitrotoluene	Ave	0.2997	0.3416	0.2000	28500	25000	14.0	30.0
Dibenzofuran	Ave	1.578	1.673	0.8000	26500	25000	6.1	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2497	0.2682	0.0100	26900	25000	7.4	30.0
Diethyl phthalate	Ave	1.020	1.095	0.0100	26800	25000	7.4	30.0
Fluorene	Ave	1.209	1.272	0.9000	26300	25000	5.2	30.0
4-Chlorophenyl phenyl ether	Ave	0.5332	0.5627	0.4000	26400	25000	5.5	30.0
4-Nitroaniline	Ave	0.2121	0.2338	0.0100	27600	25000	10.2	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1327	0.0100	53300	50000	6.7	30.0
N-Nitrosodiphenylamine	Ave	0.6429	0.7815	0.0100	51700	42500	21.6	30.0
1,2-Diphenylhydrazine	Ave	0.9746	1.039	0.0100	26700	25000	6.6	30.0
4-Bromophenyl phenyl ether	Ave	0.2275	0.2392	0.1000	26300	25000	5.1	30.0
Hexachlorobenzene	Ave	0.2317	0.2414	0.1000	26000	25000	4.2	30.0
Pentachlorophenol	Qua		0.1146	0.0500	53900	50000	7.7	30.0
Pentachloronitrobenzene	Ave	0.0941	0.1080	0.0100	28700	25000	14.8	30.0
n-Octadecane	Ave	0.8871	0.9134	0.0100	25700	25000	3.0	30.0
Phenanthrene	Ave	1.161	1.184	0.7000	25500	25000	2.0	30.0
Anthracene	Ave	1.162	1.204	0.7000	25900	25000	3.6	30.0
Carbazole	Ave	0.9394	0.9684	0.0100	25800	25000	3.1	30.0
Di-n-butyl phthalate	Ave	0.9884	1.046	0.0100	26500	25000	5.9	30.0
Fluoranthene	Ave	0.9565	0.996	0.6000	26000	25000	4.2	30.0
Benzidine	QuaF		0.3954		29600	25000	18.4	30.0
Pyrene	Ave	1.826	1.902	0.6000	26100	25000	4.2	30.0
Bisphenol-A	Ave	0.5249	0.5664		27000	25000	7.9	30.0
Butyl benzyl phthalate	Ave	0.6042	0.6460	0.0100	26700	25000	6.9	30.0
Carbamazepine	Qua		0.4082	0.0100	22900	25000	-8.5	30.0
3,3'-Dichlorobenzidine	Ave	0.3687	0.3996	0.0100	27100	25000	8.4	30.0
Benzo[a]anthracene	Ave	1.220	1.245	0.8000	25500	25000	2.0	30.0
Chrysene	Ave	1.087	1.184	0.7000	27200	25000	9.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: ICV 460-360983/11 Calibration Date: 04/06/2016 10:19
 Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53
 Lab File ID: L132429.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	0.7527	0.8123	0.0100	27000	25000	7.9	30.0
Di-n-octyl phthalate	Ave	1.453	1.617	0.0100	27800	25000	11.3	30.0
Benzo[b]fluoranthene	Ave	1.126	1.185	0.7000	26300	25000	5.3	30.0
Benzo[k]fluoranthene	Ave	1.165	1.242	0.7000	26600	25000	6.6	30.0
Benzo[a]pyrene	Ave	1.059	1.143	0.7000	27000	25000	7.9	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.075	1.101	0.5000	25600	25000	2.4	30.0
Dibenz(a,h)anthracene	Ave	1.044	1.153	0.4000	27600	25000	10.4	30.0
Benzo[g,h,i]perylene	Ave	1.168	1.245	0.5000	26600	25000	6.5	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132429.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 06-Apr-2016 10:19:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039517-011
 Operator ID: Instrument ID: CBNAMS12
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:09:16 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: croccom

Date: 06-Apr-2016 11:04:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.532	1.538	-0.006	94	71031	25.0	25.4	
2 N-Nitrosodimethylamine	74	1.756	1.761	-0.005	75	86924	25.0	22.2	
3 Pyridine	79	1.785	1.797	-0.012	74	176282	25.0	26.7	
7 Phenol	94	3.861	3.873	-0.012	97	229539	25.0	25.9	
8 Aniline	93	3.879	3.885	-0.006	99	263498	25.0	26.6	
9 Bis(2-chloroethyl)ether	93	3.944	3.949	-0.005	90	170863	25.0	25.7	
10 2-Chlorophenol	128	4.002	4.008	-0.006	92	184349	25.0	26.1	
11 n-Decane	43	4.061	4.067	-0.006	93	295139	25.0	25.3	
12 1,3-Dichlorobenzene	146	4.155	4.161	-0.006	94	206246	25.0	25.6	
* 13 1,4-Dichlorobenzene-d4	152	4.214	4.214	0.000	97	205651	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.232	4.232	0.000	93	207785	25.0	25.8	
15 Benzyl alcohol	108	4.355	4.361	-0.006	91	105689	25.0	27.1	
16 1,2-Dichlorobenzene	146	4.385	4.391	-0.006	95	196905	25.0	25.9	
17 2-Methylphenol	108	4.473	4.479	-0.006	75	154691	25.0	26.8	
18 2,2'-oxybis[1-chloropropan	45	4.497	4.496	0.000	92	367124	25.0	26.4	
22 Acetophenone	105	4.620	4.632	-0.012	90	215870	25.0	26.5	
21 N-Nitrosodi-n-propylamine	70	4.626	4.632	-0.006	94	115263	25.0	26.7	
19 4-Methylphenol	108	4.632	4.638	-0.006	89	165952	25.0	27.2	
20 3 & 4 Methylphenol	108	4.632	4.638	-0.006	92	165952	25.0	27.2	
25 Hexachloroethane	117	4.726	4.732	-0.006	94	85916	25.0	26.2	
27 Nitrobenzene	77	4.791	4.802	-0.011	89	245675	25.0	25.6	
28 n,n'-Dimethylaniline	120	4.796	4.802	-0.006	92	251006	25.0	25.7	
29 Isophorone	82	5.032	5.043	-0.011	98	288357	25.0	26.7	
30 2-Nitrophenol	139	5.114	5.120	-0.006	86	92387	25.0	27.0	
31 2,4-Dimethylphenol	122	5.167	5.173	-0.006	90	140138	25.0	25.5	
32 Bis(2-chloroethoxy)methane	93	5.261	5.261	0.000	94	186606	25.0	26.4	
33 Benzoic acid	122	5.267	5.296	-0.029	92	48520	25.0	26.0	
34 2,4-Dichlorophenol	162	5.361	5.367	-0.006	94	137726	25.0	26.8	
35 1,2,4-Trichlorobenzene	180	5.444	5.449	-0.005	95	153461	25.0	25.5	
* 36 Naphthalene-d8	136	5.502	5.502	0.000	99	728593	40.0	40.0	
37 Naphthalene	128	5.520	5.526	-0.006	99	494218	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
38 4-Chloroaniline	127	5.579	5.585	-0.006	95	177993	25.0	26.4	
39 Hexachlorobutadiene	225	5.655	5.661	-0.006	93	87864	25.0	25.8	
41 4-Chloro-3-methylphenol	107	6.073	6.079	-0.006	97	125879	25.0	27.3	
42 2-Methylnaphthalene	142	6.214	6.220	-0.006	85	301966	25.0	25.7	
43 1-Methylnaphthalene	142	6.314	6.320	-0.006	93	281491	25.0	27.5	
44 Hexachlorocyclopentadiene	237	6.385	6.385	0.000	93	76234	25.0	26.0	
45 1,2,4,5-Tetrachlorobenzene	216	6.390	6.390	0.000	96	133953	25.0	26.0	
46 2-tertbutyl-4-methylphenol	149	6.426	6.432	-0.006	89	197583	25.0	26.1	
48 2,4,6-Trichlorophenol	196	6.502	6.508	-0.006	88	85662	25.0	26.5	
49 2,4,5-Trichlorophenol	196	6.538	6.543	-0.005	95	90737	25.0	27.1	
51 1,1'-Biphenyl	154	6.685	6.690	-0.005	95	345515	25.0	26.3	
52 2-Chloronaphthalene	162	6.702	6.708	-0.006	97	275838	25.0	26.5	
53 Phenyl ether	170	6.790	6.790	0.000	90	182497	25.0	26.3	
54 2-Nitroaniline	65	6.802	6.808	-0.006	93	101224	25.0	27.5	
55 1,3-Dimethylnaphthalene	156	6.920	6.926	-0.006	91	220070	25.0	27.4	
58 Dimethyl phthalate	163	6.990	6.996	-0.006	99	249251	25.0	26.4	
59 Coumarin	146	7.008	7.014	-0.006	78	77492	25.0	27.0	
60 2,6-Dinitrotoluene	165	7.043	7.049	-0.006	93	61862	25.0	27.7	
61 Acenaphthylene	152	7.114	7.114	0.000	98	379748	25.0	25.6	
62 3-Nitroaniline	138	7.214	7.220	-0.006	93	61088	25.0	28.2	
* 63 Acenaphthene-d10	164	7.255	7.255	0.000	93	336843	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.279	7.284	-0.005	98	228336	25.0	27.0	
65 Acenaphthene	154	7.285	7.290	-0.005	95	236899	25.0	26.7	
66 2,4-Dinitrophenol	184	7.314	7.320	-0.006	92	49533	50.0	53.2	
67 4-Nitrophenol	65	7.390	7.396	-0.006	92	81387	50.0	51.4	
68 2,4-Dinitrotoluene	165	7.443	7.449	-0.006	92	71921	25.0	28.5	
69 Dibenzofuran	168	7.455	7.461	-0.006	96	352270	25.0	26.5	
70 2,3,4,6-Tetrachlorophenol	232	7.579	7.584	-0.005	91	56469	25.0	26.9	
71 Diethyl phthalate	149	7.690	7.696	-0.006	97	230500	25.0	26.8	
73 4-Chlorophenyl phenyl ethe	204	7.796	7.796	0.000	75	118469	25.0	26.4	
74 Fluorene	166	7.790	7.796	-0.006	94	267820	25.0	26.3	
75 4-Nitroaniline	138	7.814	7.820	-0.006	93	49224	25.0	27.6	
76 4,6-Dinitro-2-methylphenol	198	7.843	7.855	-0.012	80	70828	50.0	53.3	
77 N-Nitrosodiphenylamine	169	7.914	7.920	-0.006	69	354532	42.5	51.7	
78 1,2-Diphenylhydrazine	77	7.949	7.955	-0.006	99	277307	25.0	26.7	
80 4-Bromophenyl phenyl ether	248	8.273	8.279	-0.006	81	63818	25.0	26.3	
81 Hexachlorobenzene	284	8.343	8.349	-0.006	98	64422	25.0	26.0	
83 Pentachlorophenol	266	8.537	8.537	0.000	90	61141	50.0	53.9	
84 Pentachloronitrobenzene	237	8.549	8.555	-0.006	86	28813	25.0	28.7	
72 n-Octadecane	57	8.620	8.626	-0.006	91	243752	25.0	25.7	
* 85 Phenanthrene-d10	188	8.714	8.720	-0.006	99	426971	40.0	40.0	
86 Phenanthrene	178	8.737	8.743	-0.006	98	315913	25.0	25.5	
87 Anthracene	178	8.784	8.790	-0.006	98	321204	25.0	25.9	
88 Carbazole	167	8.943	8.949	-0.006	96	258418	25.0	25.8	
89 Di-n-butyl phthalate	149	9.296	9.302	-0.006	100	279243	25.0	26.5	
90 Fluoranthene	202	9.902	9.908	-0.006	98	265894	25.0	26.0	
91 Benzidine	184	10.037	10.043	-0.006	99	105506	25.0	29.6	
92 Pyrene	202	10.126	10.131	-0.005	97	262550	25.0	26.1	
93 Bisphenol-A	213	10.178	10.184	-0.006	99	78183	25.0	27.0	
95 Butyl benzyl phthalate	149	10.808	10.814	-0.006	98	89168	25.0	26.7	
97 Carbamazepine	193	10.920	10.931	-0.011	92	56345	25.0	22.9	
98 3,3'-Dichlorobenzidine	252	11.414	11.425	-0.011	98	55151	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Benzo[a]anthracene	228	11.443	11.449	-0.006	99	171858	25.0	25.5	
* 100 Chrysene-d12	240	11.455	11.461	-0.006	99	220839	40.0	40.0	
101 Chrysene	228	11.484	11.490	-0.006	98	163434	25.0	27.2	
102 Bis(2-ethylhexyl) phthalat	149	11.490	11.502	-0.012	88	112111	25.0	27.0	
103 Di-n-octyl phthalate	149	12.343	12.349	-0.006	97	197049	25.0	27.8	
104 Benzo[b]fluoranthene	252	12.831	12.843	-0.012	98	144415	25.0	26.3	
105 Benzo[k]fluoranthene	252	12.867	12.878	-0.011	99	151317	25.0	26.6	
106 Benzo[a]pyrene	252	13.272	13.284	-0.012	96	139331	25.0	27.0	
* 107 Perylene-d12	264	13.349	13.361	-0.012	96	194971	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.790	14.802	-0.012	98	134195	25.0	25.6	
109 Dibenz(a,h)anthracene	278	14.819	14.831	-0.012	96	140440	25.0	27.6	
110 Benzo[g,h,i]perylene	276	15.131	15.149	-0.018	95	151664	25.0	26.6	

Reagents:

SM_ICV-long_00010

Amount Added: 1.00

Units: mL

Operator ID:

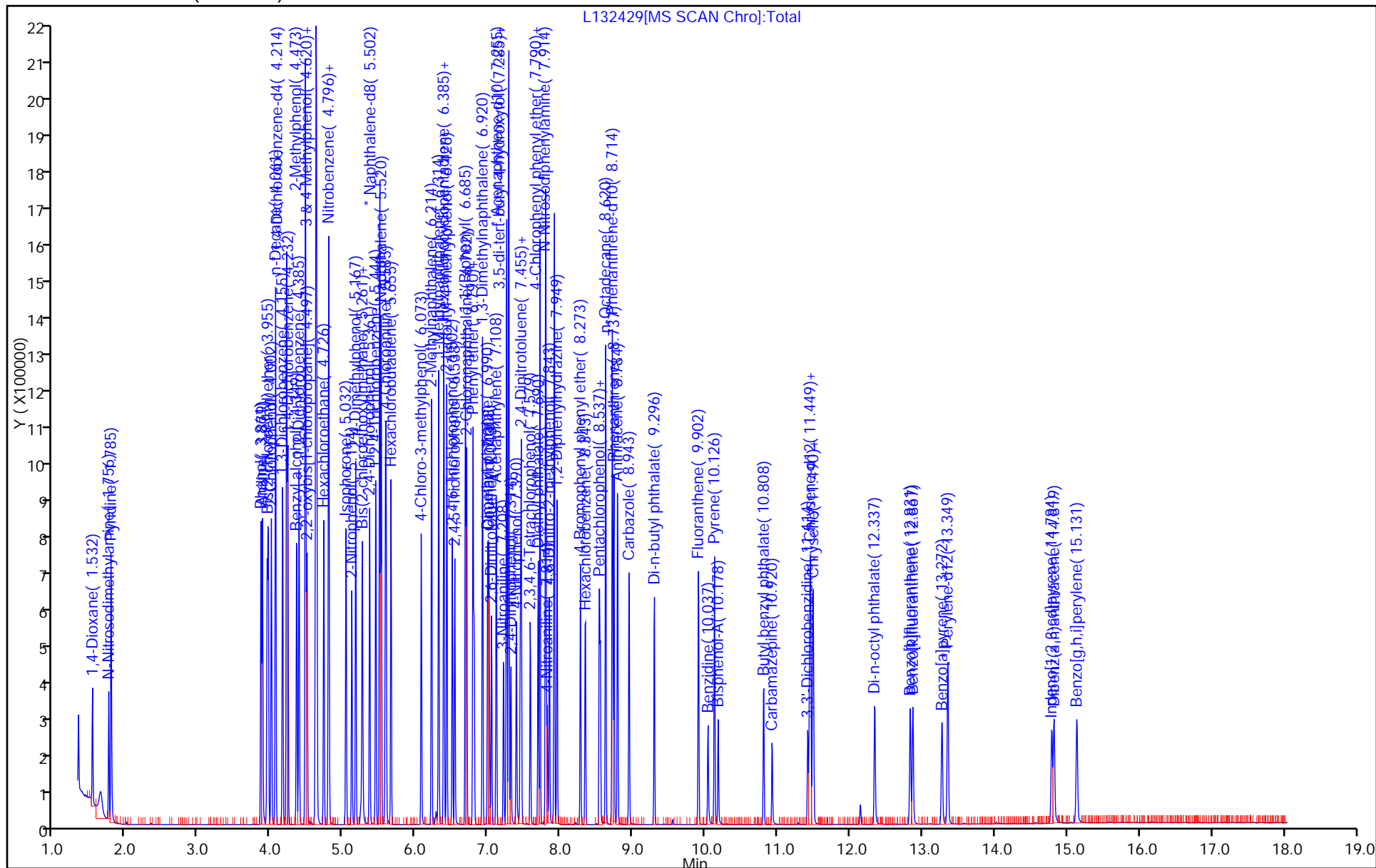
Worklist Smp#: 11

Client ID:

ALS Bottle#: 11

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.: 460-111496-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361342/2 Calibration Date: 04/07/2016 20:26

Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53

Lab File ID: L132499.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5437	0.5063	0.0100	46600	50000	-6.9	20.0
N-Nitrosodimethylamine	Ave	0.7627	0.7769		50900	50000	1.9	20.0
Pyridine	Ave	1.285	1.327		51600	50000	3.3	20.0
Phenol	Ave	1.722	1.826	0.8000	53000	50000	6.0	20.0
Aniline	Ave	1.924	2.061		53600	50000	7.1	20.0
Bis(2-chloroethyl)ether	Ave	1.294	1.302	0.7000	50300	50000	0.6	20.0
2-Chlorophenol	Ave	1.372	1.395	0.8000	50900	50000	1.7	20.0
n-Decane	Ave	2.269	2.224	0.0100	49000	50000	-2.0	20.0
1,3-Dichlorobenzene	Ave	1.568	1.547		49300	50000	-1.3	20.0
1,4-Dichlorobenzene	Ave	1.568	1.551		49400	50000	-1.1	20.0
Benzyl alcohol	Ave	0.7594	0.8332	0.0100	54900	50000	9.7	20.0
1,2-Dichlorobenzene	Ave	1.482	1.477		49800	50000	-0.3	20.0
2-Methylphenol	Ave	1.122	1.167	0.7000	52000	50000	4.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.708	2.794	0.0100	51600	50000	3.2	20.0
Acetophenone	Ave	1.582	1.645	0.0100	52000	50000	4.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8388	0.8939	0.5000	53300	50000	6.6	20.0
3 & 4 Methylphenol	Ave	1.188	1.195		50300	50000	0.6	20.0
4-Methylphenol	Ave	1.188	1.195	0.6000	50300	50000	0.6	20.0
Hexachloroethane	Ave	0.6386	0.6309	0.3000	49400	50000	-1.2	20.0
n,n'-Dimethylaniline	Ave	1.903	1.920	0.0100	50500	50000	0.9	20.0
Nitrobenzene	Ave	0.5270	0.5295	0.2000	50200	50000	0.5	20.0
Isophorone	Ave	0.5937	0.5972	0.4000	50300	50000	0.6	20.0
2-Nitrophenol	Ave	0.1876	0.1934	0.1000	51500	50000	3.1	20.0
2,4-Dimethylphenol	Ave	0.3020	0.3035	0.2000	50200	50000	0.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.3884	0.3964	0.3000	51000	50000	2.1	20.0
Benzoic acid	Qua		0.1797		69300	50000	38.6*	20.0
2,4-Dichlorophenol	Ave	0.2817	0.2957	0.2000	52500	50000	4.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3305	0.3143		47600	50000	-4.9	20.0
Naphthalene	Ave	1.019	1.014	0.7000	49700	50000	-0.5	20.0
4-Chloroaniline	Ave	0.3702	0.3985	0.0100	53800	50000	7.6	20.0
Hexachlorobutadiene	Ave	0.1868	0.1806	0.0100	48300	50000	-3.3	20.0
4-Chloro-3-methylphenol	Ave	0.2528	0.2625		51900	50000	3.8	20.0
2-Methylnaphthalene	Ave	0.6457	0.6476	0.4000	50100	50000	0.3	20.0
1-Methylnaphthalene	Ave	0.5620	0.5567	0.0100	49500	50000	-0.9	20.0
Hexachlorocyclopentadiene	Ave	0.3488	0.3291	0.0500	47200	50000	-5.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6124	0.5941	0.0100	48500	50000	-3.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4149	0.4167	0.0100	50200	50000	0.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3903	0.2000	50000	50000	0.0	20.0
2,4,5-Trichlorophenol	Ave	0.3980	0.4129	0.2000	51900	50000	3.7	20.0
1,1'-Biphenyl	Ave	1.561	1.526	0.0100	48900	50000	-2.2	20.0
2-Chloronaphthalene	Ave	1.235	1.204	0.8000	48700	50000	-2.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361342/2 Calibration Date: 04/07/2016 20:26

Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53

Lab File ID: L132499.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8239	0.8225	0.0100	49900	50000	-0.2	20.0
2-Nitroaniline	Ave	0.4363	0.4737	0.0100	54300	50000	8.6	20.0
1,3-Dimethylnaphthalene	Ave	0.9545	0.9695	0.0100	50800	50000	1.6	20.0
Dimethyl phthalate	Ave	1.120	1.149	0.0100	51300	50000	2.6	20.0
Coumarin	Ave	0.1576	0.1806	0.0100	57300	50000	14.5	20.0
2,6-Dinitrotoluene	Ave	0.2656	0.2788	0.2000	52500	50000	5.0	20.0
Acenaphthylene	Ave	1.762	1.717	0.9000	48700	50000	-2.5	20.0
3-Nitroaniline	Ave	0.2568	0.2962	0.0100	57700	50000	15.4	20.0
Acenaphthene	Ave	1.055	1.019	0.9000	48300	50000	-3.4	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.004	0.9787	0.0100	48700	50000	-2.5	20.0
2,4-Dinitrophenol	Qua		0.1755	0.0100	133000	100000	33.0*	20.0
4-Nitrophenol	Lin2		0.2439	0.0100	122000	100000	22.1*	20.0
2,4-Dinitrotoluene	Ave	0.2997	0.3419	0.2000	57000	50000	14.1	20.0
Dibenzofuran	Ave	1.578	1.555	0.8000	49300	50000	-1.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2497	0.2839	0.0100	56900	50000	13.7	20.0
Diethyl phthalate	Ave	1.020	1.112	0.0100	54500	50000	9.0	20.0
Fluorene	Ave	1.209	1.202	0.9000	49700	50000	-0.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.5332	0.5415	0.4000	50800	50000	1.6	20.0
4-Nitroaniline	Ave	0.2121	0.2674	0.0100	63000	50000	26.1*	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1517	0.0100	118000	100000	18.0	20.0
N-Nitrosodiphenylamine	Ave	0.6429	0.6182	0.0100	96200	100000	-3.8	20.0
1,2-Diphenylhydrazine	Ave	0.9746	0.9284	0.0100	47600	50000	-4.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2275	0.2236	0.1000	49100	50000	-1.7	20.0
Hexachlorobenzene	Ave	0.2317	0.2262	0.1000	48800	50000	-2.4	20.0
Pentachlorophenol	Qua		0.1381	0.0500	117000	100000	16.8	20.0
Pentachloronitrobenzene	Ave	0.0941	0.1017	0.0100	54100	50000	8.1	20.0
n-Octadecane	Ave	0.8871	0.8748	0.0100	49300	50000	-1.4	20.0
Phenanthrene	Ave	1.161	1.145	0.7000	49300	50000	-1.3	20.0
Anthracene	Ave	1.162	1.159	0.7000	49900	50000	-0.2	20.0
Carbazole	Ave	0.9394	1.009	0.0100	53700	50000	7.4	20.0
Di-n-butyl phthalate	Ave	0.9884	1.172	0.0100	59300	50000	18.6	20.0
Fluoranthene	Ave	0.9565	1.027	0.6000	53700	50000	7.3	20.0
Benidine	QuaF		0.5710		68400	50000	36.8*	20.0
Pyrene	Ave	1.826	1.654	0.6000	45300	50000	-9.4	20.0
Bisphenol-A	Ave	0.5249	0.6258		59600	50000	19.2	20.0
Butyl benzyl phthalate	Ave	0.6042	0.6530	0.0100	54000	50000	8.1	20.0
2,3,7,8-TCDD	Ave	0.1147	0.1414	0.0100	616	500	23.3*	20.0
Carbamazepine	Qua		0.5345	0.0100	50500	50000	0.9	20.0
3,3'-Dichlorobenzidine	Ave	0.3687	0.4326	0.0100	58700	50000	17.3	20.0
Benzo[a]anthracene	Ave	1.220	1.193	0.8000	48900	50000	-2.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-361342/2 Calibration Date: 04/07/2016 20:26
 Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53
 Lab File ID: L132499.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.087	1.101	0.7000	50700	50000	1.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7527	0.8715	0.0100	57900	50000	15.8	20.0
Di-n-octyl phthalate	Ave	1.453	1.639	0.0100	56400	50000	12.8	20.0
Benzo[b]fluoranthene	Ave	1.126	1.250	0.7000	55500	50000	11.0	20.0
Benzo[k]fluoranthene	Ave	1.165	1.217	0.7000	52200	50000	4.5	20.0
Benzo[a]pyrene	Ave	1.059	1.169	0.7000	55200	50000	10.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.075	1.118	0.5000	52000	50000	4.0	20.0
Dibenz(a,h)anthracene	Ave	1.044	1.097	0.4000	52600	50000	5.1	20.0
Benzo[g,h,i]perylene	Ave	1.168	1.170	0.5000	50100	50000	0.1	20.0
2-Fluorophenol (Surr)	Ave	1.293	1.368	0.0100	52900	50000	5.8	20.0
Phenol-d5 (Surr)	Ave	1.662	1.775	0.0100	53400	50000	6.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4055	0.4272	0.0100	52700	50000	5.4	20.0
2-Fluorobiphenyl	Ave	1.493	1.515	0.0100	50700	50000	1.5	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1644	0.0100	55900	50000	11.9	20.0
Terphenyl-d14 (Surr)	Ave	1.133	1.088	0.0100	48000	50000	-3.9	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132499.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 07-Apr-2016 20:26:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039595-002
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 14:48:02 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: croccom

Date: 07-Apr-2016 20:47:13

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	1.399	1.399	0.000	93	142317	50.0	46.6	
2 N-Nitrosodimethylamine	74	1.622	1.622	0.000	74	218399	50.0	50.9	
3 Pyridine	79	1.646	1.646	0.000	75	372934	50.0	51.6	
\$ 4 2-Fluorophenol	112	2.763	2.763	0.000	90	384647	50.0	52.9	
\$ 6 Phenol-d5	99	3.704	3.704	0.000	96	498893	50.0	53.4	
7 Phenol	94	3.716	3.716	0.000	97	513233	50.0	53.0	
8 Aniline	93	3.722	3.722	0.000	91	579324	50.0	53.6	
9 Bis(2-chloroethyl)ether	93	3.793	3.793	0.000	90	366121	50.0	50.3	
10 2-Chlorophenol	128	3.845	3.845	0.000	91	392239	50.0	50.9	
11 n-Decane	43	3.910	3.910	0.000	93	625120	50.0	49.0	
12 1,3-Dichlorobenzene	146	3.998	3.998	0.000	94	434810	50.0	49.3	
* 13 1,4-Dichlorobenzene-d4	152	4.057	4.057	0.000	97	224882	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.075	4.075	0.000	93	435866	50.0	49.4	
15 Benzyl alcohol	108	4.204	4.204	0.000	91	234221	50.0	54.9	
16 1,2-Dichlorobenzene	146	4.228	4.228	0.000	95	415177	50.0	49.8	
17 2-Methylphenol	108	4.328	4.328	0.000	88	327990	50.0	52.0	
18 2,2'-oxybis[1-chloropropan	45	4.345	4.345	0.000	92	785461	50.0	51.6	
22 Acetophenone	105	4.475	4.475	0.000	97	462435	50.0	52.0	
21 N-Nitrosodi-n-propylamine	70	4.481	4.481	0.000	96	251289	50.0	53.3	
19 4-Methylphenol	108	4.487	4.487	0.000	92	335933	50.0	50.3	
20 3 & 4 Methylphenol	108	4.487	4.487	0.000	89	335933	50.0	50.3	
25 Hexachloroethane	117	4.569	4.569	0.000	95	177355	50.0	49.4	
\$ 26 Nitrobenzene-d5	82	4.622	4.622	0.000	94	429930	50.0	52.7	
27 Nitrobenzene	77	4.645	4.645	0.000	87	532867	50.0	50.2	
28 n,n'-Dimethylaniline	120	4.645	4.645	0.000	94	539664	50.0	50.5	
29 Isophorone	82	4.887	4.887	0.000	98	600982	50.0	50.3	
30 2-Nitrophenol	139	4.963	4.963	0.000	85	194610	50.0	51.5	
31 2,4-Dimethylphenol	122	5.022	5.022	0.000	89	305393	50.0	50.2	
32 Bis(2-chloroethoxy)methane	93	5.110	5.110	0.000	94	398892	50.0	51.0	
33 Benzoic acid	122	5.163	5.163	0.000	92	180785	50.0	69.3	
34 2,4-Dichlorophenol	162	5.210	5.210	0.000	93	297557	50.0	52.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.292	5.292	0.000	95	316314	50.0	47.6	
* 36 Naphthalene-d8	136	5.345	5.345	0.000	99	805065	40.0	40.0	
37 Naphthalene	128	5.363	5.363	0.000	99	1020537	50.0	49.7	
38 4-Chloroaniline	127	5.428	5.428	0.000	96	401026	50.0	53.8	
39 Hexachlorobutadiene	225	5.504	5.504	0.000	93	181729	50.0	48.3	
41 4-Chloro-3-methylphenol	107	5.928	5.928	0.000	97	264168	50.0	51.9	
42 2-Methylnaphthalene	142	6.063	6.063	0.000	85	651717	50.0	50.1	
43 1-Methylnaphthalene	142	6.157	6.157	0.000	93	560251	50.0	49.5	
44 Hexachlorocyclopentadiene	237	6.228	6.228	0.000	94	154520	50.0	47.2	
45 1,2,4,5-Tetrachlorobenzene	216	6.234	6.234	0.000	96	278973	50.0	48.5	
46 2-tertbutyl-4-methylphenol	149	6.281	6.281	0.000	89	419366	50.0	50.2	
48 2,4,6-Trichlorophenol	196	6.351	6.351	0.000	89	183275	50.0	50.0	
49 2,4,5-Trichlorophenol	196	6.381	6.381	0.000	96	193896	50.0	51.9	
\$ 50 2-Fluorobiphenyl	172	6.434	6.434	0.000	97	711451	50.0	50.7	
51 1,1'-Biphenyl	154	6.528	6.528	0.000	97	716603	50.0	48.9	
52 2-Chloronaphthalene	162	6.545	6.545	0.000	97	565173	50.0	48.7	
53 Phenyl ether	170	6.634	6.634	0.000	89	386241	50.0	49.9	
54 2-Nitroaniline	65	6.651	6.651	0.000	96	222436	50.0	54.3	
55 1,3-Dimethylnaphthalene	156	6.763	6.763	0.000	90	455247	50.0	50.8	
58 Dimethyl phthalate	163	6.845	6.845	0.000	99	539629	50.0	51.3	
59 Coumarin	146	6.851	6.851	0.000	77	181689	50.0	57.3	
60 2,6-Dinitrotoluene	165	6.892	6.892	0.000	93	130940	50.0	52.5	
61 Acenaphthylene	152	6.951	6.951	0.000	97	806511	50.0	48.7	
62 3-Nitroaniline	138	7.057	7.057	0.000	91	139096	50.0	57.7	
* 63 Acenaphthene-d10	164	7.092	7.092	0.000	93	375669	40.0	40.0	
65 Acenaphthene	154	7.128	7.128	0.000	96	478391	50.0	48.3	
64 3,5-di-tert-butyl-4-hydrox	205	7.134	7.134	0.000	98	459597	50.0	48.7	
66 2,4-Dinitrophenol	184	7.163	7.163	0.000	91	164864	100.0	133.0	
67 4-Nitrophenol	65	7.245	7.245	0.000	93	229023	100.0	122.1	
68 2,4-Dinitrotoluene	165	7.292	7.292	0.000	91	160555	50.0	57.0	
69 Dibenzofuran	168	7.298	7.298	0.000	96	730295	50.0	49.3	
70 2,3,4,6-Tetrachlorophenol	232	7.422	7.422	0.000	91	133327	50.0	56.9	
71 Diethyl phthalate	149	7.539	7.539	0.000	98	521972	50.0	54.5	
74 Fluorene	166	7.633	7.633	0.000	95	564515	50.0	49.7	
73 4-Chlorophenyl phenyl ethe	204	7.639	7.639	0.000	86	254301	50.0	50.8	
75 4-Nitroaniline	138	7.663	7.663	0.000	93	125574	50.0	63.0	
76 4,6-Dinitro-2-methylphenol	198	7.698	7.698	0.000	79	187286	100.0	118.0	
77 N-Nitrosodiphenylamine	169	7.757	7.757	0.000	69	763302	100.0	96.2	
78 1,2-Diphenylhydrazine	77	7.792	7.792	0.000	99	573098	50.0	47.6	
\$ 79 2,4,6-Tribromophenol	330	7.869	7.869	0.000	91	77187	50.0	55.9	
80 4-Bromophenyl phenyl ether	248	8.116	8.116	0.000	82	138041	50.0	49.1	
81 Hexachlorobenzene	284	8.180	8.180	0.000	99	139631	50.0	48.8	
83 Pentachlorophenol	266	8.375	8.375	0.000	91	170540	100.0	116.8	
84 Pentachloronitrobenzene	237	8.386	8.386	0.000	85	62778	50.0	54.1	
72 n-Octadecane	57	8.469	8.469	0.000	91	540037	50.0	49.3	
* 85 Phenanthrene-d10	188	8.551	8.551	0.000	99	493861	40.0	40.0	
86 Phenanthrene	178	8.575	8.575	0.000	98	707045	50.0	49.3	
87 Anthracene	178	8.622	8.622	0.000	98	715645	50.0	49.9	
88 Carbazole	167	8.786	8.786	0.000	96	622789	50.0	53.7	
89 Di-n-butyl phthalate	149	9.139	9.139	0.000	100	723512	50.0	59.3	
90 Fluoranthene	202	9.733	9.733	0.000	97	633811	50.0	53.7	
91 Benzidine	184	9.869	9.869	0.000	99	352509	50.0	68.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	9.957	9.957	0.000	97	642000	50.0	45.3	
93 Bisphenol-A	213	10.016	10.016	0.000	99	242939	50.0	59.6	
\$ 94 Terphenyl-d14	244	10.116	10.116	0.000	98	422588	50.0	48.0	
95 Butyl benzyl phthalate	149	10.627	10.627	0.000	98	253508	50.0	54.0	
96 2,3,7,8-TCDD	320	10.722	10.722	0.000	53	549	0.5000	0.6163	
97 Carbamazepine	193	10.739	10.739	0.000	93	207515	50.0	50.5	
98 3,3'-Dichlorobenzidine	252	11.216	11.216	0.000	99	167960	50.0	58.7	
99 Benzo[a]anthracene	228	11.233	11.233	0.000	99	463004	50.0	48.9	
* 100 Chrysene-d12	240	11.251	11.251	0.000	98	310588	40.0	40.0	
101 Chrysene	228	11.280	11.280	0.000	98	427415	50.0	50.7	
102 Bis(2-ethylhexyl) phthalat	149	11.298	11.298	0.000	89	338346	50.0	57.9	
103 Di-n-octyl phthalate	149	12.127	12.127	0.000	97	530556	50.0	56.4	
104 Benzo[b]fluoranthene	252	12.592	12.592	0.000	98	404794	50.0	55.5	
105 Benzo[k]fluoranthene	252	12.627	12.627	0.000	99	394151	50.0	52.2	
106 Benzo[a]pyrene	252	13.021	13.021	0.000	95	378511	50.0	55.2	
* 107 Perylene-d12	264	13.092	13.092	0.000	97	259033	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.515	14.515	0.000	98	361959	50.0	52.0	
109 Dibenz(a,h)anthracene	278	14.545	14.545	0.000	96	355315	50.0	52.6	
110 Benzo[g,h,i]perylene	276	14.857	14.857	0.000	95	378763	50.0	50.1	

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160407-39595.b\\L132499.D

Injection Date: 07-Apr-2016 20:26:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

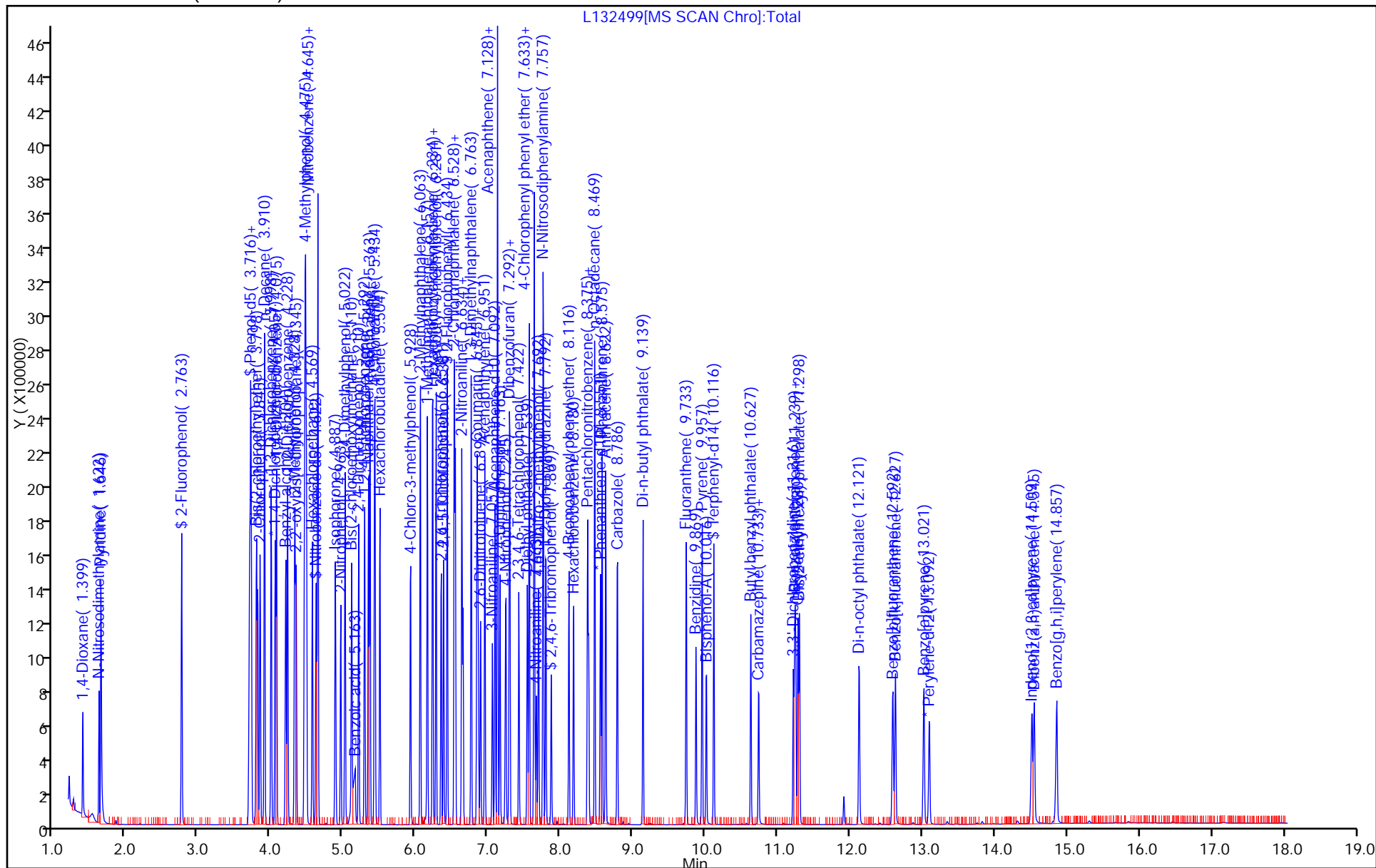
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab Sample ID: CCV 460-361342/3 Calibration Date: 04/07/2016 21:02
Instrument ID: CBNAMS12 Calib Start Date: 03/29/2016 06:48
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/29/2016 09:25
Lab File ID: L132500.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.164	1.257	0.0100	54000	50000	8.0	20.0
Caprolactam	Ave	0.0753	0.0875	0.0100	58100	50000	16.2	20.0
Atrazine	Ave	0.2022	0.2051	0.0100	50700	50000	1.4	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132500.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 07-Apr-2016 21:02:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039595-003
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 14:48:17 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: croccom

Date: 07-Apr-2016 21:18:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.610	3.610	0.000	92	385825	50.0	54.0	
* 13 1,4-Dichlorobenzene-d4	152	4.051	4.051	0.000	97	245457	40.0	40.0	
* 36 Naphthalene-d8	136	5.340	5.340	0.000	99	914404	40.0	40.0	
40 Caprolactam	113	5.757	5.757	0.000	86	100001	50.0	58.1	
* 63 Acenaphthene-d10	164	7.092	7.092	0.000	93	449579	40.0	40.0	
82 Atrazine	200	8.286	8.286	0.000	87	155508	50.0	50.7	
* 85 Phenanthrene-d10	188	8.545	8.545	0.000	99	606488	40.0	40.0	
* 100 Chrysene-d12	240	11.245	11.245	0.000	99	341220	40.0	40.0	
* 107 Perylene-d12	264	13.092	13.092	0.000	96	234785	40.0	40.0	

Reagents:

SV_IC-S_L6_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132500.D

Injection Date: 07-Apr-2016 21:02:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

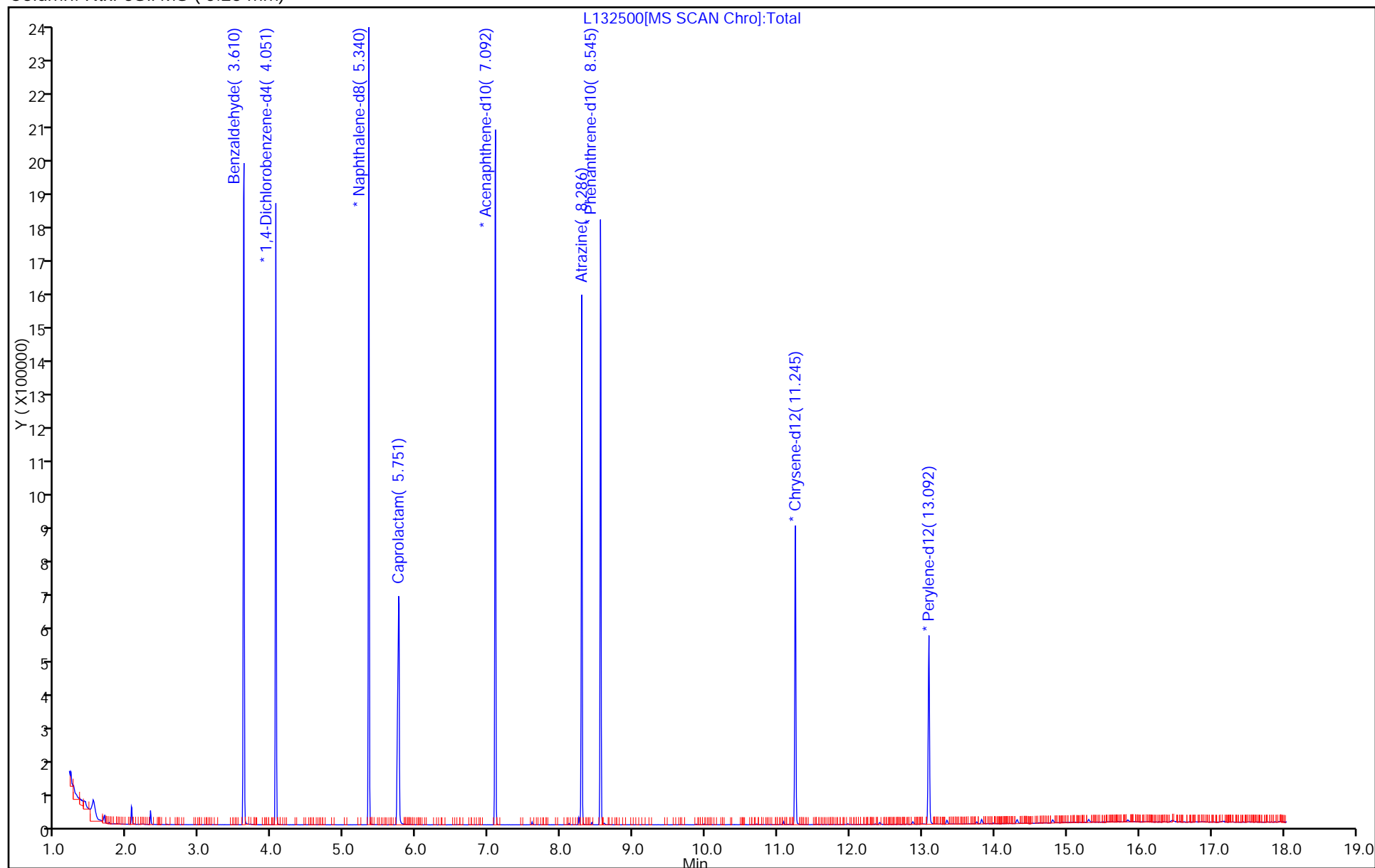
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361481/2 Calibration Date: 04/08/2016 11:23

Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53

Lab File ID: L132432.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5437	0.5253	0.0100	48300	50000	-3.4	20.0
N-Nitrosodimethylamine	Ave	0.7627	0.7356		48200	50000	-3.6	20.0
Pyridine	Ave	1.285	1.306		50800	50000	1.7	20.0
Phenol	Ave	1.722	1.754	0.8000	50900	50000	1.8	20.0
Aniline	Ave	1.924	2.027		52700	50000	5.4	20.0
Bis(2-chloroethyl)ether	Ave	1.294	1.262	0.7000	48700	50000	-2.5	20.0
2-Chlorophenol	Ave	1.372	1.368	0.8000	49900	50000	-0.3	20.0
n-Decane	Ave	2.269	2.280	0.0100	50200	50000	0.5	20.0
1,3-Dichlorobenzene	Ave	1.568	1.552		49500	50000	-1.0	20.0
1,4-Dichlorobenzene	Ave	1.568	1.556		49600	50000	-0.8	20.0
Benzyl alcohol	Ave	0.7594	0.7678	0.0100	50600	50000	1.1	20.0
1,2-Dichlorobenzene	Ave	1.482	1.464		49400	50000	-1.2	20.0
2-Methylphenol	Ave	1.122	1.114	0.7000	49600	50000	-0.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.708	2.709	0.0100	50000	50000	0.0	20.0
Acetophenone	Ave	1.582	1.590	0.0100	50300	50000	0.5	20.0
N-Nitrosodi-n-propylamine	Ave	0.8388	0.8541	0.5000	50900	50000	1.8	20.0
3 & 4 Methylphenol	Ave	1.188	1.128		47500	50000	-5.1	20.0
4-Methylphenol	Ave	1.188	1.128	0.6000	47500	50000	-5.1	20.0
Hexachloroethane	Ave	0.6386	0.6350	0.3000	49700	50000	-0.6	20.0
Nitrobenzene	Ave	0.5270	0.5339	0.2000	50700	50000	1.3	20.0
n,n'-Dimethylaniline	Ave	1.903	1.900	0.0100	49900	50000	-0.1	20.0
Isophorone	Ave	0.5937	0.5924	0.4000	49900	50000	-0.2	20.0
2-Nitrophenol	Ave	0.1876	0.1902	0.1000	50700	50000	1.4	20.0
2,4-Dimethylphenol	Ave	0.3020	0.2994	0.2000	49600	50000	-0.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3884	0.3895	0.3000	50100	50000	0.3	20.0
Benzoic acid	Qua		0.0974		42300	50000	-15.3	20.0
2,4-Dichlorophenol	Ave	0.2817	0.2910	0.2000	51600	50000	3.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3305	0.3208		48500	50000	-2.9	20.0
Naphthalene	Ave	1.019	1.018	0.7000	49900	50000	-0.2	20.0
4-Chloroaniline	Ave	0.3702	0.3953	0.0100	53400	50000	6.8	20.0
Hexachlorobutadiene	Ave	0.1868	0.1881	0.0100	50300	50000	0.7	20.0
4-Chloro-3-methylphenol	Ave	0.2528	0.2529		50000	50000	0.0	20.0
2-Methylnaphthalene	Ave	0.6457	0.6385	0.4000	49400	50000	-1.1	20.0
1-Methylnaphthalene	Ave	0.5620	0.5513	0.0100	49000	50000	-1.9	20.0
Hexachlorocyclopentadiene	Ave	0.3488	0.3620	0.0500	51900	50000	3.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6124	0.6169	0.0100	50400	50000	0.7	20.0
2-tertbutyl-4-methylphenol	Ave	0.4149	0.4158	0.0100	50100	50000	0.2	20.0
2,4,6-Trichlorophenol	Lin2		0.3893	0.2000	49900	50000	-0.2	20.0
2,4,5-Trichlorophenol	Ave	0.3980	0.3927	0.2000	49300	50000	-1.3	20.0
1,1'-Biphenyl	Ave	1.561	1.560	0.0100	50000	50000	-0.0	20.0
2-Chloronaphthalene	Ave	1.235	1.230	0.8000	49800	50000	-0.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361481/2 Calibration Date: 04/08/2016 11:23

Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53

Lab File ID: L132432.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8239	0.8458	0.0100	51300	50000	2.7	20.0
2-Nitroaniline	Ave	0.4363	0.4693	0.0100	53800	50000	7.5	20.0
1,3-Dimethylnaphthalene	Ave	0.9545	0.9920	0.0100	52000	50000	3.9	20.0
Dimethyl phthalate	Ave	1.120	1.164	0.0100	52000	50000	3.9	20.0
Coumarin	Ave	0.1576	0.1685	0.0100	53500	50000	6.9	20.0
2,6-Dinitrotoluene	Ave	0.2656	0.2770	0.2000	52100	50000	4.3	20.0
Acenaphthylene	Ave	1.762	1.764	0.9000	50100	50000	0.2	20.0
3-Nitroaniline	Ave	0.2568	0.2843	0.0100	55400	50000	10.7	20.0
Acenaphthene	Ave	1.055	1.050	0.9000	49800	50000	-0.4	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.004	1.053	0.0100	52400	50000	4.9	20.0
2,4-Dinitrophenol	Qua		0.1336	0.0100	106000	100000	6.1	20.0
4-Nitrophenol	Lin2		0.2073	0.0100	105000	100000	4.6	20.0
2,4-Dinitrotoluene	Ave	0.2997	0.3391	0.2000	56600	50000	13.2	20.0
Dibenzofuran	Ave	1.578	1.589	0.8000	50400	50000	0.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2497	0.2744	0.0100	54900	50000	9.9	20.0
Diethyl phthalate	Ave	1.020	1.121	0.0100	55000	50000	9.9	20.0
Fluorene	Ave	1.209	1.227	0.9000	50700	50000	1.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.5332	0.5584	0.4000	52400	50000	4.7	20.0
4-Nitroaniline	Ave	0.2121	0.2432	0.0100	57300	50000	14.7	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1331	0.0100	104000	100000	3.9	20.0
N-Nitrosodiphenylamine	Ave	0.6429	0.6155	0.0100	95700	100000	-4.3	20.0
1,2-Diphenylhydrazine	Ave	0.9746	0.9164	0.0100	47000	50000	-6.0	20.0
4-Bromophenyl phenyl ether	Ave	0.2275	0.2207	0.1000	48500	50000	-3.0	20.0
Hexachlorobenzene	Ave	0.2317	0.2291	0.1000	49400	50000	-1.1	20.0
Pentachlorophenol	Qua		0.1267	0.0500	108000	100000	8.4	20.0
Pentachloronitrobenzene	Ave	0.0941	0.1033	0.0100	54900	50000	9.8	20.0
n-Octadecane	Ave	0.8871	0.8561	0.0100	48300	50000	-3.5	20.0
Phenanthrene	Ave	1.161	1.150	0.7000	49600	50000	-0.9	20.0
Anthracene	Ave	1.162	1.151	0.7000	49500	50000	-1.0	20.0
Carbazole	Ave	0.9394	1.000	0.0100	53200	50000	6.5	20.0
Di-n-butyl phthalate	Ave	0.9884	1.191	0.0100	60200	50000	20.5*	20.0
Fluoranthene	Ave	0.9565	1.067	0.6000	55800	50000	11.6	20.0
Benzidine	QuaF		0.5788		69100	50000	38.2*	20.0
Pyrene	Ave	1.826	1.489	0.6000	40800	50000	-18.5	20.0
Bisphenol-A	Ave	0.5249	0.5846		55700	50000	11.4	20.0
Butyl benzyl phthalate	Ave	0.6042	0.6468	0.0100	53500	50000	7.0	20.0
2,3,7,8-TCDD	Ave	0.1147	0.1180	0.0100	514	500	2.9	20.0
Carbamazepine	Qua		0.5548	0.0100	52100	50000	4.2	20.0
3,3'-Dichlorobenzidine	Ave	0.3687	0.4459	0.0100	60500	50000	20.9*	20.0
Benzo[a]anthracene	Ave	1.220	1.201	0.8000	49200	50000	-1.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-361481/2 Calibration Date: 04/08/2016 11:23
 Instrument ID: CBNAMS12 Calib Start Date: 04/06/2016 06:07
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2016 09:53
 Lab File ID: L132432.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.087	1.116	0.7000	51300	50000	2.7	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7527	0.8933	0.0100	59300	50000	18.7	20.0
Di-n-octyl phthalate	Ave	1.453	1.517	0.0100	52200	50000	4.4	20.0
Benzo[b]fluoranthene	Ave	1.126	1.157	0.7000	51400	50000	2.8	20.0
Benzo[k]fluoranthene	Ave	1.165	1.169	0.7000	50200	50000	0.3	20.0
Benzo[a]pyrene	Ave	1.059	1.144	0.7000	54000	50000	8.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.075	1.134	0.5000	52700	50000	5.4	20.0
Dibenz(a,h)anthracene	Ave	1.044	1.103	0.4000	52800	50000	5.6	20.0
Benzo[g,h,i]perylene	Ave	1.168	1.175	0.5000	50300	50000	0.5	20.0
2-Fluorophenol (Surr)	Ave	1.293	1.357	0.0100	52500	50000	4.9	20.0
Phenol-d5 (Surr)	Ave	1.662	1.696	0.0100	51000	50000	2.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4055	0.4261	0.0100	52500	50000	5.1	20.0
2-Fluorobiphenyl	Ave	1.493	1.578	0.0100	52900	50000	5.7	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1623	0.0100	55200	50000	10.5	20.0
Terphenyl-d14 (Surr)	Ave	1.133	0.9828	0.0100	43400	50000	-13.2	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132432.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 08-Apr-2016 11:23:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039634-002
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 16:34:47 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: croccom

Date: 08-Apr-2016 11:46:33

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	1.376	1.376	0.000	93	117560	50.0	48.3	
2 N-Nitrosodimethylamine	74	1.600	1.600	0.000	73	164637	50.0	48.2	
3 Pyridine	79	1.623	1.623	0.000	74	292279	50.0	50.8	
\$ 4 2-Fluorophenol	112	2.735	2.735	0.000	89	303686	50.0	52.5	
\$ 6 Phenol-d5	99	3.670	3.670	0.000	87	379547	50.0	51.0	
7 Phenol	94	3.688	3.688	0.000	97	392460	50.0	50.9	
8 Aniline	93	3.694	3.694	0.000	98	453695	50.0	52.7	
9 Bis(2-chloroethyl)ether	93	3.764	3.764	0.000	91	282356	50.0	48.7	
10 2-Chlorophenol	128	3.817	3.817	0.000	92	306162	50.0	49.9	
11 n-Decane	43	3.876	3.876	0.000	93	510231	50.0	50.2	
12 1,3-Dichlorobenzene	146	3.970	3.970	0.000	94	347271	50.0	49.5	
* 13 1,4-Dichlorobenzene-d4	152	4.023	4.023	0.000	96	179047	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.041	4.041	0.000	93	348328	50.0	49.6	
15 Benzyl alcohol	108	4.170	4.170	0.000	90	171845	50.0	50.6	
16 1,2-Dichlorobenzene	146	4.199	4.199	0.000	94	327553	50.0	49.4	
17 2-Methylphenol	108	4.294	4.294	0.000	90	249424	50.0	49.6	
18 2,2'-oxybis[1-chloropropan	45	4.311	4.311	0.000	92	606211	50.0	50.0	
22 Acetophenone	105	4.441	4.441	0.000	95	355943	50.0	50.3	
21 N-Nitrosodi-n-propylamine	70	4.447	4.447	0.000	95	191148	50.0	50.9	
19 4-Methylphenol	108	4.458	4.458	0.000	94	252389	50.0	47.5	
20 3 & 4 Methylphenol	108	4.458	4.458	0.000	89	252389	50.0	47.5	
25 Hexachloroethane	117	4.541	4.541	0.000	95	142118	50.0	49.7	
\$ 26 Nitrobenzene-d5	82	4.588	4.588	0.000	94	326747	50.0	52.5	
27 Nitrobenzene	77	4.611	4.611	0.000	88	409435	50.0	50.7	
28 n,n'-Dimethylaniline	120	4.617	4.617	0.000	93	425288	50.0	49.9	
29 Isophorone	82	4.858	4.858	0.000	98	454308	50.0	49.9	
30 2-Nitrophenol	139	4.935	4.935	0.000	87	145881	50.0	50.7	
31 2,4-Dimethylphenol	122	4.994	4.994	0.000	89	229596	50.0	49.6	
32 Bis(2-chloroethoxy)methane	93	5.082	5.082	0.000	94	298648	50.0	50.1	
33 Benzoic acid	122	5.105	5.105	0.000	92	74723	50.0	42.3	
34 2,4-Dichlorophenol	162	5.182	5.182	0.000	94	223167	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.264	5.264	0.000	95	246015	50.0	48.5	
* 36 Naphthalene-d8	136	5.317	5.317	0.000	99	613478	40.0	40.0	
37 Naphthalene	128	5.335	5.335	0.000	99	780554	50.0	49.9	
38 4-Chloroaniline	127	5.399	5.399	0.000	96	303102	50.0	53.4	
39 Hexachlorobutadiene	225	5.476	5.476	0.000	94	144229	50.0	50.3	
41 4-Chloro-3-methylphenol	107	5.899	5.899	0.000	98	193922	50.0	50.0	
42 2-Methylnaphthalene	142	6.035	6.035	0.000	84	489651	50.0	49.4	
43 1-Methylnaphthalene	142	6.129	6.129	0.000	93	422770	50.0	49.0	
44 Hexachlorocyclopentadiene	237	6.199	6.199	0.000	94	124894	50.0	51.9	
45 1,2,4,5-Tetrachlorobenzene	216	6.205	6.205	0.000	95	212826	50.0	50.4	
46 2-tertbutyl-4-methylphenol	149	6.252	6.252	0.000	89	318881	50.0	50.1	
48 2,4,6-Trichlorophenol	196	6.323	6.323	0.000	88	134323	50.0	49.9	
49 2,4,5-Trichlorophenol	196	6.358	6.358	0.000	96	135491	50.0	49.3	
\$ 50 2-Fluorobiphenyl	172	6.405	6.405	0.000	98	544496	50.0	52.9	
51 1,1'-Biphenyl	154	6.505	6.505	0.000	96	538368	50.0	50.0	
52 2-Chloronaphthalene	162	6.517	6.517	0.000	97	424408	50.0	49.8	
53 Phenyl ether	170	6.611	6.611	0.000	87	291795	50.0	51.3	
54 2-Nitroaniline	65	6.623	6.623	0.000	94	161890	50.0	53.8	
55 1,3-Dimethylnaphthalene	156	6.741	6.741	0.000	90	342240	50.0	52.0	
58 Dimethyl phthalate	163	6.817	6.817	0.000	98	401740	50.0	52.0	
59 Coumarin	146	6.823	6.823	0.000	79	129248	50.0	53.5	
60 2,6-Dinitrotoluene	165	6.870	6.870	0.000	93	95557	50.0	52.1	
61 Acenaphthylene	152	6.923	6.923	0.000	97	608740	50.0	50.1	
62 3-Nitroaniline	138	7.029	7.029	0.000	92	98079	50.0	55.4	
* 63 Acenaphthene-d10	164	7.064	7.064	0.000	93	276000	40.0	40.0	
65 Acenaphthene	154	7.099	7.099	0.000	95	362392	50.0	49.8	
64 3,5-di-tert-butyl-4-hydrox	205	7.105	7.105	0.000	98	363247	50.0	52.4	
66 2,4-Dinitrophenol	184	7.135	7.135	0.000	92	92148	100.0	106.1	
67 4-Nitrophenol	65	7.217	7.217	0.000	92	143026	100.0	104.6	
68 2,4-Dinitrotoluene	165	7.264	7.264	0.000	91	116998	50.0	56.6	
69 Dibenzofuran	168	7.270	7.270	0.000	96	548080	50.0	50.4	
70 2,3,4,6-Tetrachlorophenol	232	7.399	7.399	0.000	91	94657	50.0	54.9	
71 Diethyl phthalate	149	7.517	7.517	0.000	97	386673	50.0	55.0	
74 Fluorene	166	7.605	7.605	0.000	95	423330	50.0	50.7	
73 4-Chlorophenyl phenyl ethe	204	7.611	7.611	0.000	82	192652	50.0	52.4	
75 4-Nitroaniline	138	7.635	7.635	0.000	93	83911	50.0	57.3	
76 4,6-Dinitro-2-methylphenol	198	7.670	7.670	0.000	79	122327	100.0	103.9	
77 N-Nitrosodiphenylamine	169	7.735	7.735	0.000	68	565651	100.0	95.7	
78 1,2-Diphenylhydrazine	77	7.770	7.770	0.000	99	421092	50.0	47.0	
\$ 79 2,4,6-Tribromophenol	330	7.846	7.846	0.000	95	55991	50.0	55.2	
80 4-Bromophenyl phenyl ether	248	8.093	8.093	0.000	88	101433	50.0	48.5	
81 Hexachlorobenzene	284	8.152	8.152	0.000	99	105294	50.0	49.4	
83 Pentachlorophenol	266	8.346	8.346	0.000	92	116454	100.0	108.4	
84 Pentachloronitrobenzene	237	8.364	8.364	0.000	85	47462	50.0	54.9	
72 n-Octadecane	57	8.446	8.446	0.000	91	393378	50.0	48.3	
* 85 Phenanthrene-d10	188	8.523	8.523	0.000	99	367614	40.0	40.0	
86 Phenanthrene	178	8.546	8.546	0.000	98	528499	50.0	49.6	
87 Anthracene	178	8.599	8.599	0.000	98	528950	50.0	49.5	
88 Carbazole	167	8.758	8.758	0.000	96	459560	50.0	53.2	
89 Di-n-butyl phthalate	149	9.117	9.117	0.000	100	547082	50.0	60.2	
90 Fluoranthene	202	9.711	9.711	0.000	98	490451	50.0	55.8	
91 Benzidine	184	9.852	9.852	0.000	99	265973	50.0	69.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	9.934	9.934	0.000	97	494369	50.0	40.8	
93 Bisphenol-A	213	9.993	9.993	0.000	99	194136	50.0	55.7	
\$ 94 Terphenyl-d14	244	10.093	10.093	0.000	99	326380	50.0	43.4	
95 Butyl benzyl phthalate	149	10.605	10.605	0.000	98	214772	50.0	53.5	
96 2,3,7,8-TCDD	320	10.699	10.699	0.000	1	392	0.5000	0.5144	
97 Carbamazepine	193	10.711	10.711	0.000	93	184220	50.0	52.1	
98 3,3'-Dichlorobenzidine	252	11.193	11.193	0.000	99	148063	50.0	60.5	
99 Benzo[a]anthracene	228	11.211	11.211	0.000	99	398793	50.0	49.2	
* 100 Chrysene-d12	240	11.223	11.223	0.000	99	265663	40.0	40.0	
101 Chrysene	228	11.252	11.252	0.000	98	370540	50.0	51.3	
102 Bis(2-ethylhexyl) phthalat	149	11.276	11.276	0.000	88	296647	50.0	59.3	
103 Di-n-octyl phthalate	149	12.099	12.099	0.000	97	496946	50.0	52.2	
104 Benzo[b]fluoranthene	252	12.564	12.564	0.000	98	379022	50.0	51.4	
105 Benzo[k]fluoranthene	252	12.599	12.599	0.000	99	382857	50.0	50.2	
106 Benzo[a]pyrene	252	12.993	12.993	0.000	96	374599	50.0	54.0	
* 107 Perylene-d12	264	13.070	13.070	0.000	97	261995	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.487	14.487	0.000	98	371318	50.0	52.7	
109 Dibenz(a,h)anthracene	278	14.516	14.516	0.000	96	361197	50.0	52.8	
110 Benzo[g,h,i]perylene	276	14.828	14.828	0.000	95	384652	50.0	50.3	

Reagents:

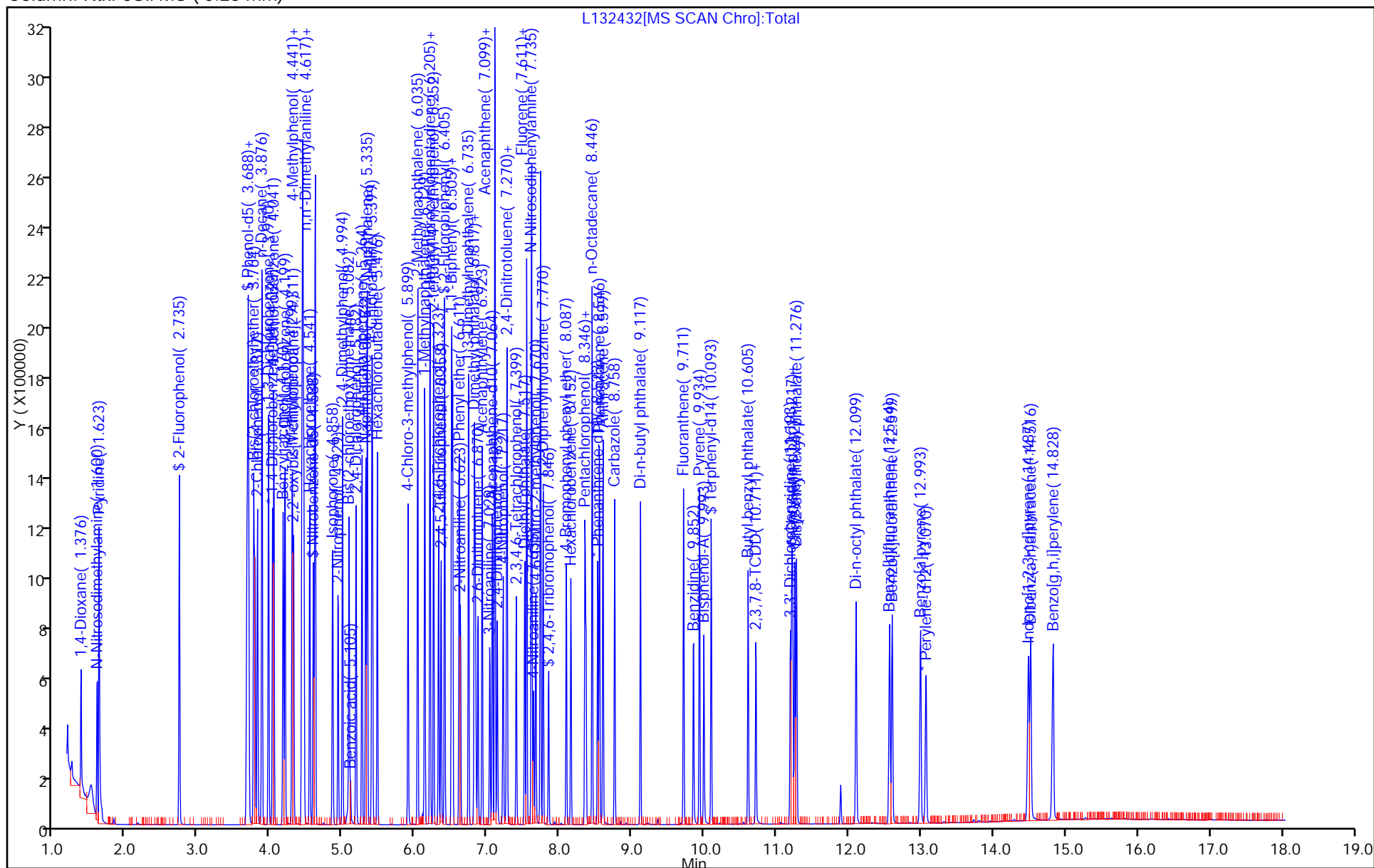
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160408-39634.b\\L132432.D		
Injection Date:	08-Apr-2016 11:23:30	Instrument ID:	CBNAMS12
Lims ID:	ccvis		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 2



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab Sample ID: CCV 460-361481/3 Calibration Date: 04/08/2016 11:52
Instrument ID: CBNAMS12 Calib Start Date: 03/29/2016 06:48
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/29/2016 09:25
Lab File ID: L132433.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.164	1.226	0.0100	52700	50000	5.3	20.0
Caprolactam	Ave	0.0753	0.0646	0.0100	42900	50000	-14.3	20.0
Atrazine	Ave	0.2022	0.2033	0.0100	50300	50000	0.5	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132433.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Apr-2016 11:52:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039634-003
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 16:35:02 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: croccom

Date: 08-Apr-2016 12:14:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.576	3.576	0.000	91	279730	50.0	52.7	
* 13 1,4-Dichlorobenzene-d4	152	4.023	4.023	0.000	97	182479	40.0	40.0	
* 36 Naphthalene-d8	136	5.311	5.311	0.000	99	647274	40.0	40.0	
40 Caprolactam	113	5.717	5.717	0.000	86	52227	50.0	42.9	
* 63 Acenaphthene-d10	164	7.064	7.064	0.000	94	300321	40.0	40.0	
82 Atrazine	200	8.264	8.264	0.000	89	96599	50.0	50.3	
* 85 Phenanthrene-d10	188	8.523	8.523	0.000	99	380157	40.0	40.0	
* 100 Chrysene-d12	240	11.217	11.217	0.000	99	219810	40.0	40.0	
* 107 Perylene-d12	264	13.058	13.058	0.000	96	190556	40.0	40.0	

Reagents:

SV_IC-S_L6_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132433.D

Injection Date: 08-Apr-2016 11:52:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

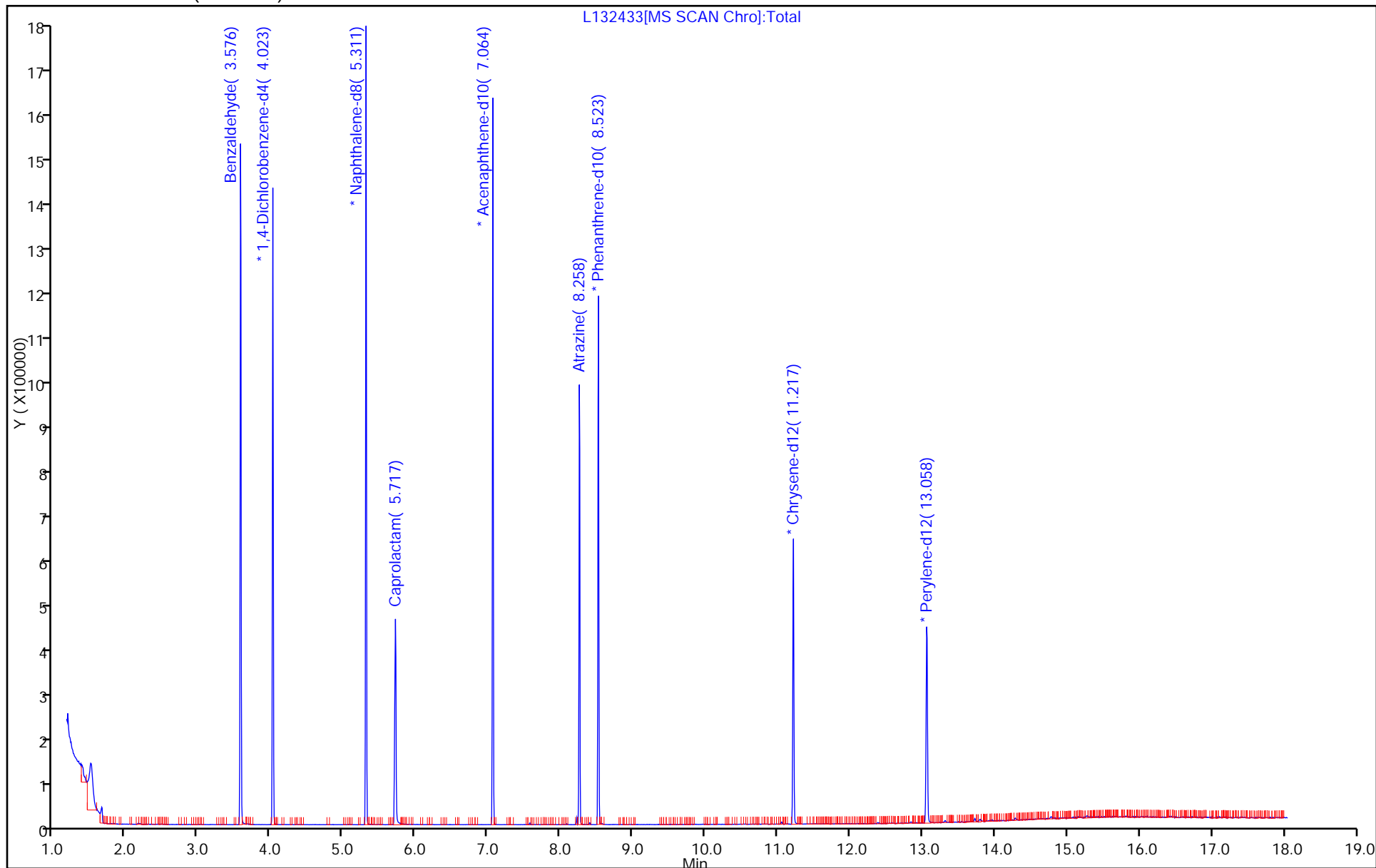
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Lab Sample ID: ICV 460-361914/18 Calibration Date: 04/11/2016 20:16

Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01

Lab File ID: x12708.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5097	0.5516	0.0100	27100	25000	8.2	30.0
N-Nitrosodimethylamine	Ave	0.7072	0.6814		24100	25000	-3.7	30.0
Pyridine	Ave	1.217	1.296		26600	25000	6.5	30.0
Phenol	Ave	1.570	1.764	0.8000	28100	25000	12.3	30.0
Aniline	Ave	1.905	1.965		25800	25000	3.1	30.0
Bis(2-chloroethyl)ether	Ave	1.260	1.207	0.7000	24000	25000	-4.2	30.0
2-Chlorophenol	Ave	1.360	1.453	0.8000	26700	25000	6.8	30.0
n-Decane	Ave	1.730	1.789	0.0100	25900	25000	3.4	30.0
1,3-Dichlorobenzene	Ave	1.723	1.814		26300	25000	5.3	30.0
1,4-Dichlorobenzene	Ave	1.692	1.742		25700	25000	2.9	30.0
Benzyl alcohol	Ave	0.8449	0.8911	0.0100	26400	25000	5.5	30.0
1,2-Dichlorobenzene	Ave	1.611	1.658		25700	25000	3.0	30.0
2-Methylphenol	Ave	1.189	1.261	0.7000	26500	25000	6.0	30.0
2,2'-oxybis[1-chloropropane]	Qua		1.969	0.0100	25800	25000	3.0	30.0
3 & 4 Methylphenol	Ave	1.167	1.114		23900	25000	-4.5	30.0
4-Methylphenol	Ave	1.167	1.114	0.6000	23900	25000	-4.5	30.0
Acetophenone	Ave	1.457	1.392	0.0100	23900	25000	-4.4	30.0
N-Nitrosodi-n-propylamine	Ave	0.8351	0.7150	0.5000	21400	25000	-14.4	30.0
Hexachloroethane	Ave	0.6110	0.6199	0.3000	25400	25000	1.5	30.0
n,n'-Dimethylaniline	Ave	2.061	1.796	0.0100	21800	25000	-12.8	30.0
Nitrobenzene	Ave	0.5329	0.5068	0.2000	23800	25000	-4.9	30.0
Isophorone	Ave	0.6493	0.6657	0.4000	25600	25000	2.5	30.0
2-Nitrophenol	Ave	0.2008	0.2089	0.1000	26000	25000	4.0	30.0
2,4-Dimethylphenol	Ave	0.3303	0.3386	0.2000	25600	25000	2.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.3472	0.3685	0.3000	26500	25000	6.1	30.0
Benzoic acid	Lin2		0.1522		26800	25000	7.4	30.0
2,4-Dichlorophenol	Ave	0.3429	0.3666	0.2000	26700	25000	6.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4180	0.4208		25200	25000	0.7	30.0
Naphthalene	Ave	1.055	1.097	0.7000	26000	25000	4.0	30.0
4-Chloroaniline	Ave	0.4041	0.4009	0.0100	24800	25000	-0.8	30.0
Hexachlorobutadiene	Ave	0.2848	0.2871	0.0100	25200	25000	0.8	30.0
4-Chloro-3-methylphenol	Ave	0.2697	0.2893		26800	25000	7.3	30.0
2-Methylnaphthalene	Ave	0.7292	0.7257	0.4000	24900	25000	-0.5	30.0
1-Methylnaphthalene	Ave	0.6260	0.6794	0.0100	27100	25000	8.5	30.0
Hexachlorocyclopentadiene	Ave	0.5848	0.4148	0.0500	17700	25000	-29.1	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7781	0.7876	0.0100	25300	25000	1.2	30.0
2-tertbutyl-4-methylphenol	Ave	0.4777	0.4857	0.0100	25400	25000	1.7	30.0
2,4,6-Trichlorophenol	Ave	0.4313	0.4528	0.2000	26200	25000	5.0	30.0
2,4,5-Trichlorophenol	Ave	0.4378	0.4542	0.2000	25900	25000	3.7	30.0
1,1'-Biphenyl	Ave	1.673	1.751	0.0100	26200	25000	4.7	30.0
2-Chloronaphthalene	Ave	1.260	1.329	0.8000	26400	25000	5.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Lab Sample ID: ICV 460-361914/18 Calibration Date: 04/11/2016 20:16

Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01

Lab File ID: x12708.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.9128	0.9571	0.0100	26200	25000	4.9	30.0
2-Nitroaniline	Ave	0.3834	0.4071	0.0100	26500	25000	6.2	30.0
1,3-Dimethylnaphthalene	Ave	1.023	1.099	0.0100	26800	25000	7.4	30.0
Dimethyl phthalate	Ave	1.166	1.220	0.0100	26100	25000	4.6	30.0
Coumarin	Ave	0.1760	0.1745	0.0100	24800	25000	-0.8	30.0
2,6-Dinitrotoluene	Ave	0.2608	0.2743	0.2000	26300	25000	5.1	30.0
Acenaphthylene	Ave	1.748	1.785	0.9000	25500	25000	2.1	30.0
3-Nitroaniline	Ave	0.2610	0.2640	0.0100	25300	25000	1.1	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.451	1.359	0.0100	23400	25000	-6.3	30.0
Acenaphthene	Ave	1.161	1.255	0.9000	27000	25000	8.1	30.0
2,4-Dinitrophenol	Qua		0.1069	0.0100	47600	50000	-4.7	30.0
4-Nitrophenol	Ave	0.1544	0.1585	0.0100	51300	50000	2.7	30.0
2,4-Dinitrotoluene	Ave	0.2927	0.3209	0.2000	27400	25000	9.7	30.0
Dibenzofuran	Ave	1.660	1.733	0.8000	26100	25000	4.4	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3370	0.3336	0.0100	24800	25000	-1.0	30.0
Diethyl phthalate	Ave	1.010	1.068	0.0100	26400	25000	5.8	30.0
4-Chlorophenyl phenyl ether	Ave	0.6824	0.6726	0.4000	24600	25000	-1.4	30.0
Fluorene	Ave	1.196	1.188	0.9000	24800	25000	-0.7	30.0
4-Nitroaniline	Ave	0.2073	0.2131	0.0100	25700	25000	2.8	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1183	0.0100	49500	50000	-1.1	30.0
N-Nitrosodiphenylamine	Ave	0.6352	0.7682	0.0100	51400	42500	20.9	30.0
1,2-Diphenylhydrazine	Ave	0.7137	0.8294	0.0100	29100	25000	16.2	30.0
4-Bromophenyl phenyl ether	Ave	0.3181	0.3287	0.1000	25800	25000	3.3	30.0
Hexachlorobenzene	Ave	0.3805	0.4040	0.1000	26500	25000	6.2	30.0
Pentachlorophenol	Ave	0.1784	0.1982	0.0500	55500	50000	11.1	30.0
Pentachloronitrobenzene	Ave	0.1206	0.1358	0.0100	28100	25000	12.6	30.0
n-Octadecane	Ave	0.5076	0.5762	0.0100	28400	25000	13.5	30.0
Phenanthrene	Ave	1.120	1.157	0.7000	25800	25000	3.3	30.0
Anthracene	Ave	1.129	1.191	0.7000	26400	25000	5.5	30.0
Carbazole	Ave	0.8330	0.8657	0.0100	26000	25000	3.9	30.0
Di-n-butyl phthalate	Ave	0.9663	1.025	0.0100	26500	25000	6.1	30.0
Fluoranthene	Ave	0.9699	1.002	0.6000	25800	25000	3.3	30.0
Benidine	Ave	0.3590	0.2519		17500	25000	-29.8	30.0
Pyrene	Ave	1.542	1.558	0.6000	25300	25000	1.0	30.0
Bisphenol-A	Qua		0.2807		19000	25000	-23.8	30.0
Butyl benzyl phthalate	Ave	0.4681	0.5069	0.0100	27100	25000	8.3	30.0
Carbamazepine	Lin2		0.3757	0.0100	24900	25000	-0.4	30.0
3,3'-Dichlorobenzidine	Ave	0.3947	0.4045	0.0100	25600	25000	2.5	30.0
Benzo[a]anthracene	Ave	1.158	1.173	0.8000	25300	25000	1.3	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6124	0.6549	0.0100	26700	25000	6.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: ICV 460-361914/18 Calibration Date: 04/11/2016 20:16
 Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01
 Lab File ID: x12708.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.045	1.101	0.7000	26300	25000	5.3	30.0
Di-n-octyl phthalate	Ave	1.036	1.129	0.0100	27300	25000	9.0	30.0
Benzo[b]fluoranthene	Ave	1.052	1.150	0.7000	27300	25000	9.3	30.0
Benzo[k]fluoranthene	Ave	1.131	1.244	0.7000	27500	25000	10.0	30.0
Benzo[a]pyrene	Ave	0.9455	1.030	0.7000	27200	25000	8.9	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.8058	0.9022	0.5000	28000	25000	12.0	30.0
Dibenz(a,h)anthracene	Ave	0.8856	1.026	0.4000	29000	25000	15.8	30.0
Benzo[g,h,i]perylene	Ave	0.9917	1.080	0.5000	27200	25000	8.9	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12708.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Apr-2016 20:16:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-018
 Operator ID: Instrument ID: CBNAMS5
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:55 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 20:40:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.830	1.818	0.012	97	357156	25.0	27.1	
2 N-Nitrosodimethylamine	74	2.054	2.053	0.001	68	441187	25.0	24.1	
3 Pyridine	79	2.089	2.089	0.000	79	839428	25.0	26.6	
7 Phenol	94	4.142	4.159	-0.017	97	1142419	25.0	28.1	
8 Aniline	93	4.177	4.183	-0.006	98	1272081	25.0	25.8	
9 Bis(2-chloroethyl)ether	93	4.236	4.247	-0.011	96	781527	25.0	24.0	
10 Benzonitrile	103	4.259	4.277	-0.018	67	1674849	NC	NC	
11 2-Chlorophenol	128	4.295	4.306	-0.011	94	940650	25.0	26.7	
12 n-Decane	43	4.348	4.353	-0.005	92	1158422	25.0	25.9	
13 1,3-Dichlorobenzene	146	4.453	4.459	-0.006	95	1174565	25.0	26.3	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1035985	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.530	-0.006	94	1127897	25.0	25.7	
16 Benzyl alcohol	108	4.642	4.647	-0.005	92	576982	25.0	26.4	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	95	1073737	25.0	25.7	
18 2-Methylphenol	108	4.747	4.759	-0.012	89	816269	25.0	26.5	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	91	1275137	25.0	25.8	
20 N-Methylaniline	106	4.900	4.906	-0.006	80	1151460	NC	NC	
24 4-Methylphenol	108	4.906	4.918	-0.012	84	721622	25.0	23.9	
21 Acetophenone	105	4.912	4.918	-0.006	89	901383	25.0	23.9	
23 3 & 4 Methylphenol	108	4.906	4.918	-0.012	84	721622	25.0	23.9	
22 N-Nitrosodi-n-propylamine	70	4.912	4.924	-0.012	84	462979	25.0	21.4	
25 Hexachloroethane	117	5.018	5.024	-0.006	87	401378	25.0	25.4	
28 Nitrobenzene	77	5.083	5.094	-0.011	90	1081382	25.0	23.8	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	1163090	25.0	21.8	
31 Isophorone	82	5.324	5.336	-0.012	97	1420444	25.0	25.6	
32 2-Nitrophenol	139	5.400	5.406	-0.006	87	445684	25.0	26.0	
33 2,4-Dimethylphenol	122	5.442	5.447	-0.005	89	722565	25.0	25.6	
34 Bis(2-chloroethoxy)methane	93	5.536	5.541	-0.005	97	786337	25.0	26.5	
35 Benzoic acid	122	5.547	5.577	-0.030	93	324648	25.0	26.8	
36 2,4-Dichlorophenol	162	5.642	5.647	-0.005	95	782255	25.0	26.7	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	897794	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 38 Naphthalene-d8	136	5.789	5.783	0.006	100	3414076	40.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	99	2341115	25.0	26.0	
40 4-Chloroaniline	127	5.859	5.865	-0.006	96	855338	25.0	24.8	
41 Hexachlorobutadiene	225	5.942	5.941	0.001	97	612650	25.0	25.2	
43 4-Chloro-3-methylphenol	107	6.341	6.347	-0.006	97	617330	25.0	26.8	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	85	1548417	25.0	24.9	
45 1-Methylnaphthalene	142	6.600	6.606	-0.006	93	1449768	25.0	27.1	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	96	439492	25.0	17.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	834505	25.0	25.3	
48 2-tertbutyl-4-methylphenol	149	6.694	6.700	-0.006	91	1036275	25.0	25.4	
49 2,4,6-Trichlorophenol	196	6.783	6.788	-0.005	91	479744	25.0	26.2	
50 2,4,5-Trichlorophenol	196	6.812	6.818	-0.006	97	481278	25.0	25.9	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	94	1855522	25.0	26.2	
53 2-Chloronaphthalene	162	6.983	6.994	-0.011	98	1408489	25.0	26.4	
54 Phenyl ether	170	7.071	7.077	-0.006	87	1014113	25.0	26.2	
56 2-Nitroaniline	65	7.083	7.088	-0.005	97	431350	25.0	26.5	
57 1,3-Dimethylnaphthalene	156	7.206	7.212	-0.006	93	1164352	25.0	26.8	
58 Dimethyl phthalate	163	7.271	7.277	-0.006	100	1292307	25.0	26.1	
59 Coumarin	146	7.288	7.300	-0.012	74	372409	25.0	24.8	
60 2,6-Dinitrotoluene	165	7.324	7.330	-0.006	94	290608	25.0	26.3	
61 Acenaphthylene	152	7.400	7.406	-0.006	97	1891878	25.0	25.5	
64 3-Nitroaniline	138	7.488	7.500	-0.012	92	279721	25.0	25.3	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	1695354	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.559	7.565	-0.006	95	1440372	25.0	23.4	
67 Acenaphthene	154	7.571	7.577	-0.006	92	1329737	25.0	27.0	
68 2,4-Dinitrophenol	184	7.588	7.600	-0.012	46	226433	50.0	47.6	
69 4-Nitrophenol	65	7.647	7.659	-0.012	89	335915	50.0	51.3	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	96	340059	25.0	27.4	
71 Dibenzofuran	168	7.741	7.747	-0.006	95	1836691	25.0	26.1	
72 2,3,4,6-Tetrachlorophenol	232	7.859	7.865	-0.006	97	353519	25.0	24.8	
73 Diethyl phthalate	149	7.965	7.971	-0.006	98	1132031	25.0	26.4	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.082	-0.005	93	712707	25.0	24.6	
75 Fluorene	166	8.083	8.082	0.001	95	1258504	25.0	24.8	
76 4-Nitroaniline	138	8.094	8.106	-0.012	86	225771	25.0	25.7	
77 4,6-Dinitro-2-methylphenol	198	8.124	8.135	-0.011	91	324603	50.0	49.5	
78 N-Nitrosodiphenylamine	169	8.194	8.200	-0.006	66	1791564	42.5	51.4	
79 1,2-Diphenylhydrazine	77	8.235	8.241	-0.006	95	1137889	25.0	29.1	
81 4-Bromophenyl phenyl ether	248	8.559	8.565	-0.006	93	450912	25.0	25.8	
83 Hexachlorobenzene	284	8.630	8.635	-0.005	93	554288	25.0	26.5	
85 Pentachlorophenol	266	8.818	8.824	-0.006	95	543700	50.0	55.5	
86 Pentachloronitrobenzene	237	8.835	8.841	-0.006	91	186334	25.0	28.1	
87 n-Octadecane	57	8.894	8.900	-0.006	98	790550	25.0	28.4	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2195104	40.0	40.0	
89 Phenanthrene	178	9.030	9.029	0.001	96	1586810	25.0	25.8	
90 Anthracene	178	9.077	9.082	-0.005	99	1634215	25.0	26.4	
91 Carbazole	167	9.230	9.235	-0.005	96	1187658	25.0	26.0	
92 Di-n-butyl phthalate	149	9.571	9.576	-0.005	100	1406500	25.0	26.5	
93 Fluoranthene	202	10.200	10.206	-0.006	99	1374707	25.0	25.8	
94 Benzidine	184	10.329	10.329	0.000	99	345529	25.0	17.5	
95 Pyrene	202	10.429	10.435	-0.006	98	1347259	25.0	25.3	
82 Bisphenol-A	213	10.471	10.471	0.000	99	242729	25.0	19.0	
97 Butyl benzyl phthalate	149	11.124	11.129	-0.005	97	438263	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	11.253	11.259	-0.006	92	324839	25.0	24.9	
100 3,3'-Dichlorobenzidine	252	11.771	11.770	0.001	97	349710	25.0	25.6	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	1013878	25.0	25.3	
* 102 Chrysene-d12	240	11.818	11.812	0.006	98	1383434	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	90	566257	25.0	26.7	
103 Chrysene	228	11.847	11.853	-0.006	100	951574	25.0	26.3	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	794392	25.0	27.3	
106 Benzo[b]fluoranthene	252	13.247	13.253	-0.006	97	808982	25.0	27.3	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	97	874754	25.0	27.5	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	724138	25.0	27.2	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1125396	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.376	15.382	-0.006	95	634556	25.0	28.0	
111 Dibenz(a,h)anthracene	278	15.411	15.423	-0.012	99	721586	25.0	29.0	
112 Benzo[g,h,i]perylene	276	15.829	15.835	-0.006	95	759572	25.0	27.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

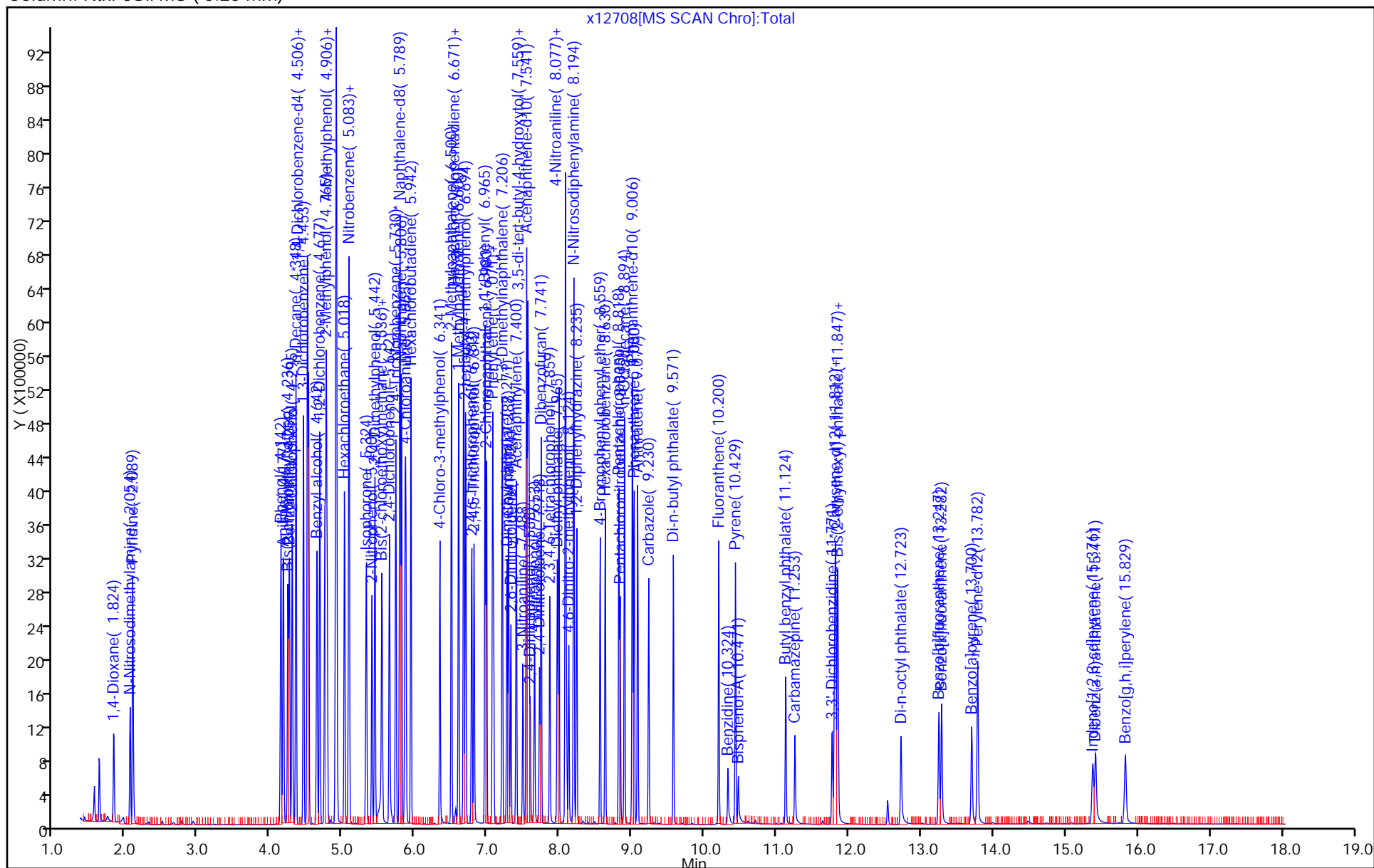
SM_ICV-long_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAM5\\20160411-39723.b\\x12708.D		
Injection Date:	11-Apr-2016 20:16:30	Instrument ID:	CBNAM5
Lims ID:	icv		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 18
ALS Bottle#: 18



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: ICV 460-361914/19 Calibration Date: 04/11/2016 22:26
 Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 17:25
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 19:51
 Lab File ID: x12709e.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.112	1.242	0.0100	27900	25000	11.7	30.0
Caprolactam	Ave	0.0769	0.1020	0.0100	33200	25000	32.7*	30.0
Atrazine	Ave	0.2042	0.2415	0.0100	29600	25000	18.2	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12709e.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Apr-2016 22:26:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-019
 Operator ID: Instrument ID: CBNAMS5
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:55 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: bayoumiw

Date: 11-Apr-2016 23:32:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	89	1040448	25.0	27.9	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1340707	40.0	40.0	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	99	4497487	40.0	40.0	
42 Caprolactam	113	6.183	6.194	-0.011	88	286678	25.0	33.2	
* 65 Acenaphthene-d10	164	7.535	7.541	-0.006	91	2423592	40.0	40.0	
84 Atrazine	200	8.718	8.718	0.000	95	521393	25.0	29.6	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3454936	40.0	40.0	
* 102 Chrysene-d12	240	11.818	11.812	0.006	98	1984105	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1514479	40.0	40.0	

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\x12709e.D

Injection Date: 11-Apr-2016 22:26:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: icv

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

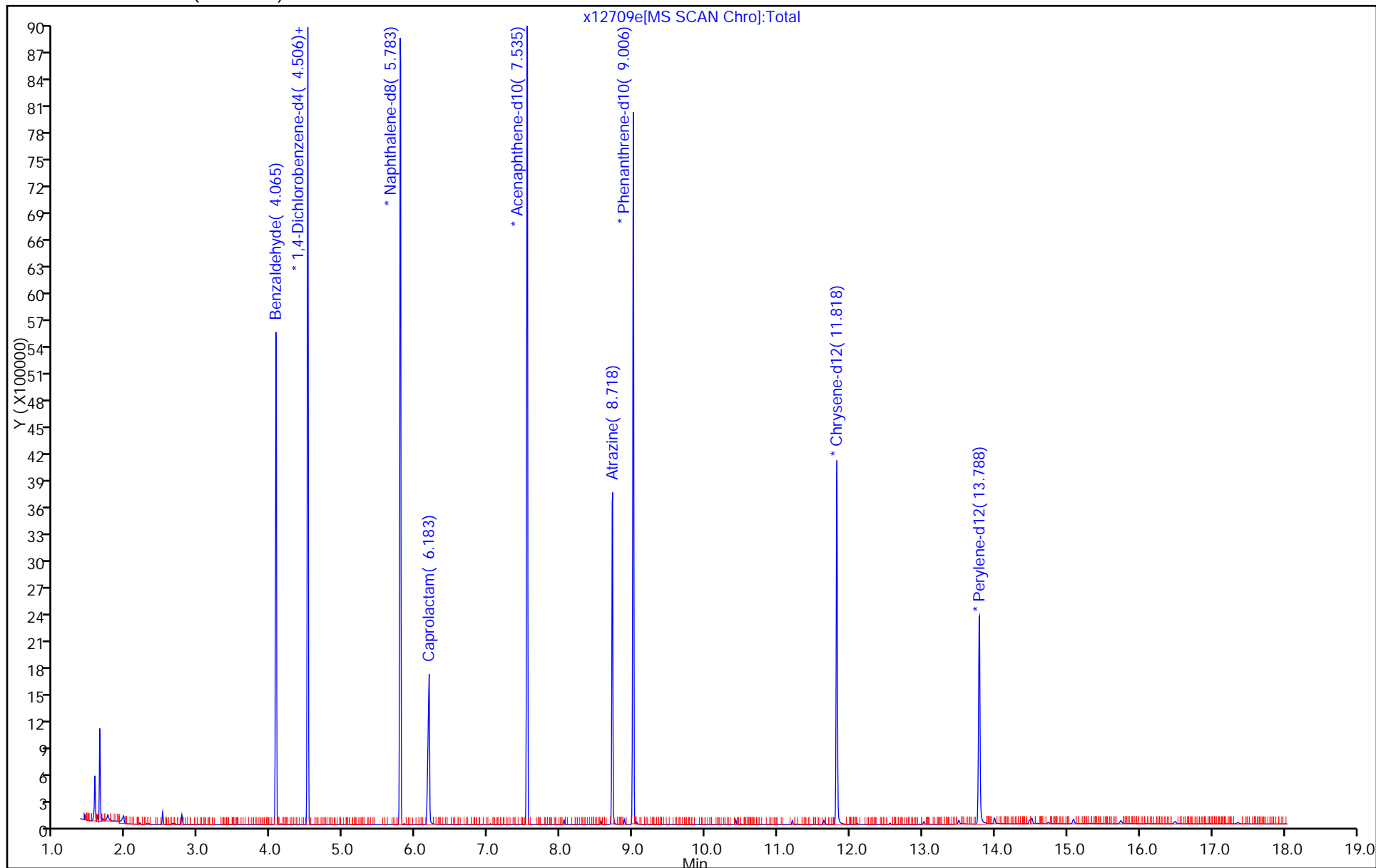
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-362028/2 Calibration Date: 04/12/2016 04:05
 Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01
 Lab File ID: x12716.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5097	0.4983	0.0100	48900	50000	-2.2	20.0
N-Nitrosodimethylamine	Ave	0.7072	0.7073		50000	50000	0.0	20.0
Pyridine	Ave	1.217	1.168		48000	50000	-4.0	20.0
Phenol	Ave	1.570	1.479	0.8000	47100	50000	-5.8	20.0
Aniline	Ave	1.905	1.858		48800	50000	-2.4	20.0
Bis(2-chloroethyl)ether	Ave	1.260	1.062	0.7000	42200	50000	-15.7	20.0
2-Chlorophenol	Ave	1.360	1.282	0.8000	47100	50000	-5.7	20.0
n-Decane	Ave	1.730	1.416	0.0100	40900	50000	-18.2	20.0
1,3-Dichlorobenzene	Ave	1.723	1.605		46600	50000	-6.8	20.0
1,4-Dichlorobenzene	Ave	1.692	1.539		45500	50000	-9.1	20.0
Benzyl alcohol	Ave	0.8449	0.8539	0.0100	50500	50000	1.1	20.0
1,2-Dichlorobenzene	Ave	1.611	1.477		45800	50000	-8.3	20.0
2-Methylphenol	Ave	1.189	1.127	0.7000	47400	50000	-5.2	20.0
2,2'-oxybis[1-chloropropane]	Qua		1.763	0.0100	51100	50000	2.2	20.0
Acetophenone	Ave	1.457	1.327	0.0100	45500	50000	-8.9	20.0
3 & 4 Methylphenol	Ave	1.167	1.073		46000	50000	-8.1	20.0
4-Methylphenol	Ave	1.167	1.073	0.6000	46000	50000	-8.1	20.0
N-Nitrosodi-n-propylamine	Ave	0.8351	0.7130	0.5000	42700	50000	-14.6	20.0
Hexachloroethane	Ave	0.6110	0.5232	0.3000	42800	50000	-14.4	20.0
Nitrobenzene	Ave	0.5329	0.4411	0.2000	41400	50000	-17.2	20.0
n,n'-Dimethylaniline	Ave	2.061	1.740	0.0100	42200	50000	-15.6	20.0
Isophorone	Ave	0.6493	0.6212	0.4000	47800	50000	-4.3	20.0
2-Nitrophenol	Ave	0.2008	0.2022	0.1000	50400	50000	0.7	20.0
2,4-Dimethylphenol	Ave	0.3303	0.3135	0.2000	47500	50000	-5.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.3472	0.3282	0.3000	47300	50000	-5.5	20.0
Benzoic acid	Lin2		0.1716		57800	50000	15.5	20.0
2,4-Dichlorophenol	Ave	0.3429	0.3290	0.2000	48000	50000	-4.1	20.0
1,2,4-Trichlorobenzene	Ave	0.4180	0.3732		44600	50000	-10.7	20.0
Naphthalene	Ave	1.055	0.9621	0.7000	45600	50000	-8.8	20.0
4-Chloroaniline	Ave	0.4041	0.3705	0.0100	45800	50000	-8.3	20.0
Hexachlorobutadiene	Ave	0.2848	0.2699	0.0100	47400	50000	-5.2	20.0
4-Chloro-3-methylphenol	Ave	0.2697	0.2662		49300	50000	-1.3	20.0
2-Methylnaphthalene	Ave	0.7292	0.6813	0.4000	46700	50000	-6.6	20.0
1-Methylnaphthalene	Ave	0.6260	0.5946	0.0100	47500	50000	-5.0	20.0
Hexachlorocyclopentadiene	Ave	0.5848	0.5782	0.0500	49400	50000	-1.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7781	0.7418	0.0100	47700	50000	-4.7	20.0
2-tertbutyl-4-methylphenol	Ave	0.4777	0.4613	0.0100	48300	50000	-3.4	20.0
2,4,6-Trichlorophenol	Ave	0.4313	0.4408	0.2000	51100	50000	2.2	20.0
2,4,5-Trichlorophenol	Ave	0.4378	0.4422	0.2000	50500	50000	1.0	20.0
1,1'-Biphenyl	Ave	1.673	1.521	0.0100	45500	50000	-9.1	20.0
2-Chloronaphthalene	Ave	1.260	1.171	0.8000	46400	50000	-7.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362028/2 Calibration Date: 04/12/2016 04:05

Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01

Lab File ID: x12716.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.9128	0.8605	0.0100	47100	50000	-5.7	20.0
2-Nitroaniline	Ave	0.3834	0.3862	0.0100	50400	50000	0.7	20.0
1,3-Dimethylnaphthalene	Ave	1.023	0.9807	0.0100	47900	50000	-4.2	20.0
Dimethyl phthalate	Ave	1.166	1.163	0.0100	49800	50000	-0.3	20.0
Coumarin	Ave	0.1760	0.1884	0.0100	53500	50000	7.1	20.0
2,6-Dinitrotoluene	Ave	0.2608	0.2727	0.2000	52300	50000	4.5	20.0
Acenaphthylene	Ave	1.748	1.664	0.9000	47600	50000	-4.8	20.0
3-Nitroaniline	Ave	0.2610	0.2781	0.0100	53300	50000	6.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.451	1.427	0.0100	49200	50000	-1.6	20.0
Acenaphthene	Ave	1.161	1.039	0.9000	44700	50000	-10.5	20.0
2,4-Dinitrophenol	Qua		0.1501	0.0100	119000	100000	19.5	20.0
4-Nitrophenol	Ave	0.1544	0.1814	0.0100	118000	100000	17.5	20.0
2,4-Dinitrotoluene	Ave	0.2927	0.3310	0.2000	56500	50000	13.1	20.0
Dibenzofuran	Ave	1.660	1.611	0.8000	48500	50000	-3.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3370	0.3585	0.0100	53200	50000	6.4	20.0
Diethyl phthalate	Ave	1.010	1.008	0.0100	49900	50000	-0.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6824	0.6727	0.4000	49300	50000	-1.4	20.0
Fluorene	Ave	1.196	1.139	0.9000	47600	50000	-4.8	20.0
4-Nitroaniline	Ave	0.2073	0.2398	0.0100	57800	50000	15.7	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1335	0.0100	109000	100000	8.8	20.0
N-Nitrosodiphenylamine	Ave	0.6352	0.5672	0.0100	89300	100000	-10.7	20.0
1,2-Diphenylhydrazine	Ave	0.7137	0.6451	0.0100	45200	50000	-9.6	20.0
4-Bromophenyl phenyl ether	Ave	0.3181	0.3075	0.1000	48300	50000	-3.3	20.0
Hexachlorobenzene	Ave	0.3805	0.4007	0.1000	52600	50000	5.3	20.0
Pentachlorophenol	Ave	0.1784	0.2110	0.0500	118000	100000	18.3	20.0
Pentachloronitrobenzene	Ave	0.1206	0.1325	0.0100	54900	50000	9.9	20.0
n-Octadecane	Ave	0.5076	0.4193	0.0100	41300	50000	-17.4	20.0
Phenanthrene	Ave	1.120	1.062	0.7000	47400	50000	-5.2	20.0
Anthracene	Ave	1.129	1.065	0.7000	47100	50000	-5.7	20.0
Carbazole	Ave	0.8330	0.8134	0.0100	48800	50000	-2.4	20.0
Di-n-butyl phthalate	Ave	0.9663	0.9074	0.0100	47000	50000	-6.1	20.0
Fluoranthene	Ave	0.9699	0.9625	0.6000	49600	50000	-0.8	20.0
Benidine	Ave	0.3590	0.3827		53300	50000	6.6	20.0
Pyrene	Ave	1.542	1.499	0.6000	48600	50000	-2.8	20.0
Bisphenol-A	Qua		0.5111		57100	50000	14.1	20.0
Butyl benzyl phthalate	Ave	0.4681	0.4501	0.0100	48100	50000	-3.8	20.0
2,3,7,8-TCDD	Ave	0.2453	0.2433	0.0100	496	500	-0.8	20.0
Carbamazepine	Lin2		0.3667	0.0100	46500	50000	-6.9	20.0
3,3'-Dichlorobenzidine	Ave	0.3947	0.4194	0.0100	53100	50000	6.3	20.0
Benzo[a]anthracene	Ave	1.158	1.113	0.8000	48100	50000	-3.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-362028/2 Calibration Date: 04/12/2016 04:05
 Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01
 Lab File ID: x12716.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.6124	0.5550	0.0100	45300	50000	-9.4	20.0
Chrysene	Ave	1.045	0.9947	0.7000	47600	50000	-4.8	20.0
Di-n-octyl phthalate	Ave	1.036	1.040	0.0100	50200	50000	0.4	20.0
Benzo[b]fluoranthene	Ave	1.052	1.097	0.7000	52100	50000	4.3	20.0
Benzo[k]fluoranthene	Ave	1.131	1.189	0.7000	52600	50000	5.1	20.0
Benzo[a]pyrene	Ave	0.9455	0.999	0.7000	52800	50000	5.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8058	0.8980	0.5000	55700	50000	11.4	20.0
Dibenz(a,h)anthracene	Ave	0.8856	0.9469	0.4000	53500	50000	6.9	20.0
Benzo[g,h,i]perylene	Ave	0.9917	0.9677	0.5000	48800	50000	-2.4	20.0
2-Fluorophenol (Surr)	Ave	1.451	1.343	0.0100	46300	50000	-7.4	20.0
Phenol-d5 (Surr)	Ave	1.657	1.551	0.0100	46800	50000	-6.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4206	0.4129	0.0100	49100	50000	-1.8	20.0
2-Fluorobiphenyl	Ave	1.696	1.603	0.0100	47200	50000	-5.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.3297	0.3973	0.0100	60300	50000	20.5*	20.0
Terphenyl-d14 (Surr)	Ave	1.241	1.279	0.0100	51500	50000	3.1	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12716.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 12-Apr-2016 04:05:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039742-002
 Misc. Info.: ccvis
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 12:03:17 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: manlangitf

Date: 12-Apr-2016 04:29:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.818	1.818	0.000	97	747371	50.0	48.9	
2 N-Nitrosodimethylamine	74	2.054	2.054	0.000	67	1060818	50.0	50.0	
3 Pyridine	79	2.083	2.083	0.000	79	1751987	50.0	48.0	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	94	2014857	50.0	46.3	
\$ 6 Phenol-d5	99	4.142	4.142	0.000	96	2325660	50.0	46.8	
7 Phenol	94	4.159	4.159	0.000	97	2218376	50.0	47.1	
8 Aniline	93	4.183	4.183	0.000	98	2787188	50.0	48.8	
9 Bis(2-chloroethyl)ether	93	4.248	4.248	0.000	95	1593461	50.0	42.2	
10 Benzonitrile	103	4.277	4.277	0.000	66	3501340	NC	NC	
11 2-Chlorophenol	128	4.306	4.306	0.000	95	1922930	50.0	47.1	
12 n-Decane	43	4.353	4.353	0.000	88	2123547	50.0	40.9	
13 1,3-Dichlorobenzene	146	4.453	4.453	0.000	95	2407839	50.0	46.6	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1199888	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.524	0.000	94	2308147	50.0	45.5	
16 Benzyl alcohol	108	4.648	4.648	0.000	92	1280746	50.0	50.5	
17 1,2-Dichlorobenzene	146	4.683	4.683	0.000	96	2215091	50.0	45.8	
18 2-Methylphenol	108	4.759	4.759	0.000	89	1689627	50.0	47.4	
19 2,2'-oxybis[1-chloropropan	45	4.783	4.783	0.000	89	2644884	50.0	51.1	
20 N-Methylaniline	106	4.906	4.906	0.000	86	2612007	NC	NC	
21 Acetophenone	105	4.918	4.918	0.000	95	1990299	50.0	45.5	
24 4-Methylphenol	108	4.924	4.924	0.000	81	1609525	50.0	46.0	
23 3 & 4 Methylphenol	108	4.924	4.924	0.000	85	1609525	50.0	46.0	
22 N-Nitrosodi-n-propylamine	70	4.942	4.942	0.000	94	1069336	50.0	42.7	
25 Hexachloroethane	117	5.018	5.018	0.000	86	784703	50.0	42.8	
\$ 26 Nitrobenzene-d5	82	5.071	5.071	0.000	93	2098282	50.0	49.1	
28 Nitrobenzene	77	5.089	5.089	0.000	87	2241413	50.0	41.4	
27 n,n'-Dimethylaniline	120	5.095	5.095	0.000	88	2609491	50.0	42.2	
31 Isophorone	82	5.336	5.336	0.000	97	3156863	50.0	47.8	
32 2-Nitrophenol	139	5.406	5.406	0.000	87	1027636	50.0	50.4	
33 2,4-Dimethylphenol	122	5.447	5.447	0.000	90	1593169	50.0	47.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	97	1667958	50.0	47.3	
35 Benzoic acid	122	5.595	5.595	0.000	93	872045	50.0	57.8	
36 2,4-Dichlorophenol	162	5.647	5.647	0.000	94	1671840	50.0	48.0	
37 1,2,4-Trichlorobenzene	180	5.730	5.730	0.000	94	1896813	50.0	44.6	
* 38 Naphthalene-d8	136	5.789	5.789	0.000	100	4065567	40.0	40.0	
39 Naphthalene	128	5.812	5.812	0.000	99	4889364	50.0	45.6	
40 4-Chloroaniline	127	5.865	5.865	0.000	96	1882707	50.0	45.8	
41 Hexachlorobutadiene	225	5.942	5.942	0.000	98	1371481	50.0	47.4	
43 4-Chloro-3-methylphenol	107	6.347	6.347	0.000	96	1352696	50.0	49.3	
44 2-Methylnaphthalene	142	6.506	6.506	0.000	85	3462114	50.0	46.7	
45 1-Methylnaphthalene	142	6.600	6.600	0.000	93	3021659	50.0	47.5	
46 Hexachlorocyclopentadiene	237	6.671	6.671	0.000	98	1536912	50.0	49.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.677	6.677	0.000	99	1971647	50.0	47.7	
48 2-tertbutyl-4-methylphenol	149	6.700	6.700	0.000	91	2344440	50.0	48.3	
49 2,4,6-Trichlorophenol	196	6.783	6.783	0.000	92	1171643	50.0	51.1	
50 2,4,5-Trichlorophenol	196	6.818	6.818	0.000	97	1175275	50.0	50.5	
\$ 51 2-Fluorobiphenyl	172	6.871	6.871	0.000	98	4259785	50.0	47.2	
52 1,1'-Biphenyl	154	6.971	6.971	0.000	94	4044148	50.0	45.5	
53 2-Chloronaphthalene	162	6.989	6.989	0.000	99	3112270	50.0	46.4	
54 Phenyl ether	170	7.071	7.071	0.000	84	2287162	50.0	47.1	
56 2-Nitroaniline	65	7.089	7.089	0.000	96	1026615	50.0	50.4	
57 1,3-Dimethylnaphthalene	156	7.206	7.206	0.000	93	2606815	50.0	47.9	
58 Dimethyl phthalate	163	7.277	7.277	0.000	99	3090583	50.0	49.8	
59 Coumarin	146	7.300	7.300	0.000	78	957638	50.0	53.5	
60 2,6-Dinitrotoluene	165	7.330	7.330	0.000	95	724781	50.0	52.3	
61 Acenaphthylene	152	7.400	7.400	0.000	97	4423472	50.0	47.6	
64 3-Nitroaniline	138	7.500	7.500	0.000	94	739276	50.0	53.3	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	90	2126472	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.565	7.565	0.000	95	3792309	50.0	49.2	
67 Acenaphthene	154	7.577	7.577	0.000	92	2761448	50.0	44.7	
68 2,4-Dinitrophenol	184	7.600	7.600	0.000	95	798006	100.0	119.5	
69 4-Nitrophenol	65	7.665	7.665	0.000	88	964172	100.0	117.5	
70 2,4-Dinitrotoluene	165	7.730	7.730	0.000	97	879694	50.0	56.5	
71 Dibenzofuran	168	7.747	7.747	0.000	95	4282697	50.0	48.5	
72 2,3,4,6-Tetrachlorophenol	232	7.865	7.865	0.000	98	952999	50.0	53.2	
73 Diethyl phthalate	149	7.971	7.971	0.000	99	2678642	50.0	49.9	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.077	0.000	93	1788014	50.0	49.3	
75 Fluorene	166	8.083	8.083	0.000	95	3026439	50.0	47.6	
76 4-Nitroaniline	138	8.106	8.106	0.000	87	637374	50.0	57.8	
77 4,6-Dinitro-2-methylphenol	198	8.136	8.136	0.000	91	1032956	100.0	108.8	
78 N-Nitrosodiphenylamine	169	8.200	8.200	0.000	70	4387237	100.0	89.3	
79 1,2-Diphenylhydrazine	77	8.236	8.236	0.000	95	2494921	50.0	45.2	
\$ 80 2,4,6-Tribromophenol	330	8.324	8.324	0.000	88	1056108	50.0	60.3	
81 4-Bromophenyl phenyl ether	248	8.559	8.559	0.000	95	1189390	50.0	48.3	
83 Hexachlorobenzene	284	8.630	8.630	0.000	92	1549644	50.0	52.6	
85 Pentachlorophenol	266	8.818	8.818	0.000	96	1632276	100.0	118.3	
86 Pentachloronitrobenzene	237	8.835	8.835	0.000	93	512585	50.0	54.9	
87 n-Octadecane	57	8.894	8.894	0.000	97	1621585	50.0	41.3	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3094185	40.0	40.0	
89 Phenanthrene	178	9.030	9.030	0.000	96	4107188	50.0	47.4	
90 Anthracene	178	9.083	9.083	0.000	99	4117647	50.0	47.1	
91 Carbazole	167	9.235	9.235	0.000	96	3145848	50.0	48.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Di-n-butyl phthalate	149	9.571	9.571	0.000	100	3509550	50.0	47.0	
93 Fluoranthene	202	10.200	10.200	0.000	98	3722653	50.0	49.6	
94 Benzdine	184	10.329	10.329	0.000	99	1480140	50.0	53.3	
95 Pyrene	202	10.429	10.429	0.000	99	3698711	50.0	48.6	
82 Bisphenol-A	213	10.465	10.465	0.000	98	1261515	50.0	57.1	
\$ 96 Terphenyl-d14	244	10.588	10.588	0.000	98	3155635	50.0	51.5	
97 Butyl benzyl phthalate	149	11.124	11.124	0.000	96	1110879	50.0	48.1	
98 2,3,7,8-TCDD	320	11.241	11.241	0.000	91	6006	0.5000	0.4960	
99 Carbamazepine	193	11.253	11.253	0.000	91	905118	50.0	46.5	
100 3,3'-Dichlorobenzidine	252	11.771	11.771	0.000	97	1035141	50.0	53.1	
101 Benzo[a]anthracene	228	11.800	11.800	0.000	96	2746846	50.0	48.1	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1974507	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.835	11.835	0.000	88	1369860	50.0	45.3	
103 Chrysene	228	11.853	11.853	0.000	100	2454968	50.0	47.6	
105 Di-n-octyl phthalate	149	12.718	12.718	0.000	98	2094916	50.0	50.2	
106 Benzo[b]fluoranthene	252	13.247	13.247	0.000	97	2210136	50.0	52.1	
107 Benzo[k]fluoranthene	252	13.288	13.288	0.000	96	2394421	50.0	52.6	
108 Benzo[a]pyrene	252	13.706	13.706	0.000	98	2011322	50.0	52.8	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1611149	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.382	15.382	0.000	95	1808449	50.0	55.7	
111 Dibenz(a,h)anthracene	278	15.417	15.417	0.000	98	1906942	50.0	53.5	
112 Benzo[g,h,i]perylene	276	15.835	15.835	0.000	95	1948926	50.0	48.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

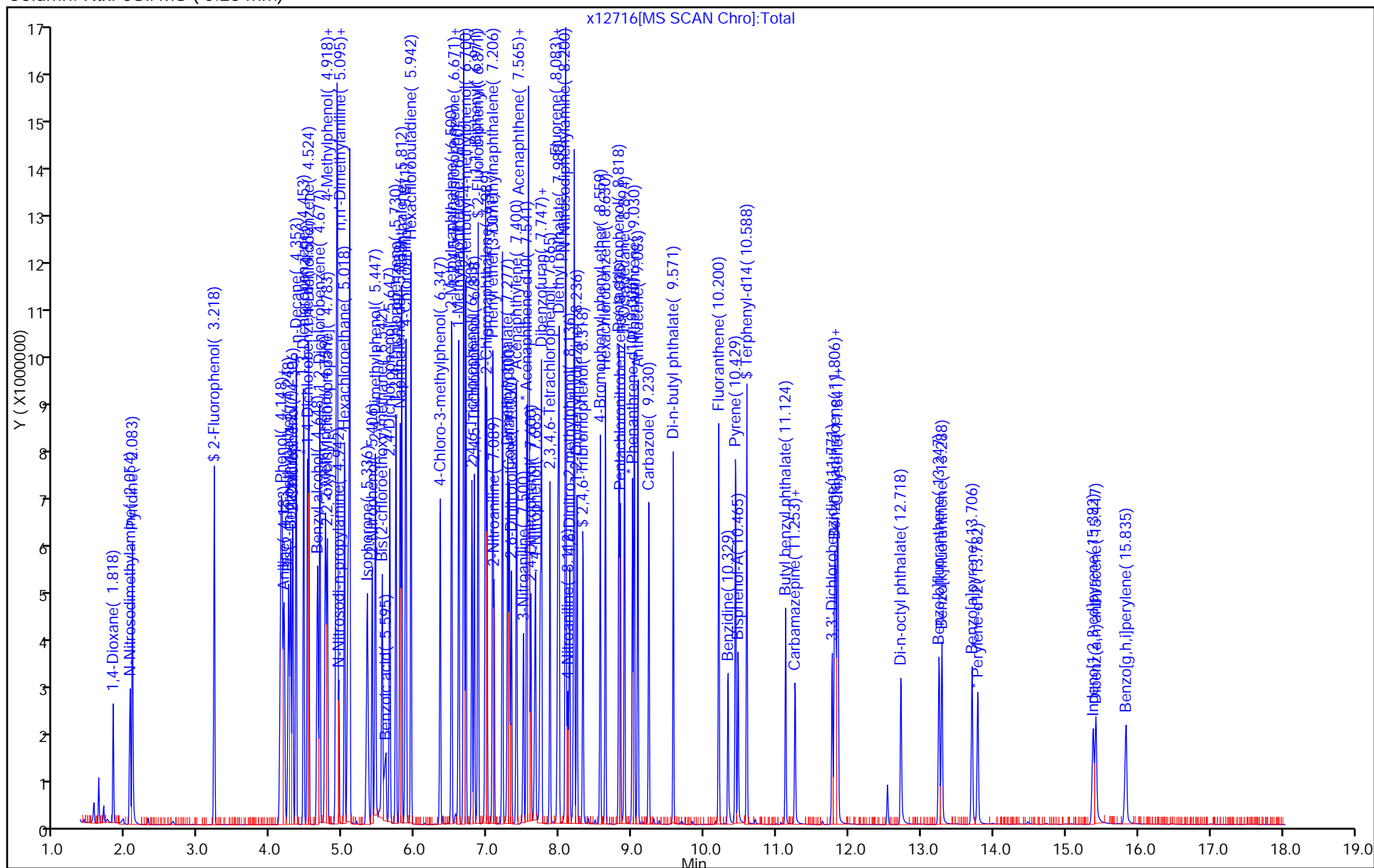
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160412-39742.b\\x12716.D		
Injection Date:	12-Apr-2016 04:05:30	Instrument ID:	CBNAMS5
Lims ID:	ccvis		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 2



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Lab Sample ID: CCV 460-362028/3 Calibration Date: 04/12/2016 04:30
Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 17:25
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 19:51
Lab File ID: x12717.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.112	1.026	0.0100	46100	50000	-7.8	20.0
Caprolactam	Ave	0.0769	0.0901	0.0100	58600	50000	17.3	20.0
Atrazine	Ave	0.2042	0.2226	0.0100	54500	50000	9.0	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12717.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 12-Apr-2016 04:30:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039742-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 12:03:27 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: manlangitf

Date: 12-Apr-2016 05:01:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.071	4.071	0.000	89	1517629	50.0	46.1	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1183894	40.0	40.0	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	99	4034526	40.0	40.0	
42 Caprolactam	113	6.188	6.188	0.000	88	454586	50.0	58.6	
* 65 Acenaphthene-d10	164	7.535	7.535	0.000	91	2202867	40.0	40.0	
84 Atrazine	200	8.718	8.718	0.000	94	860829	50.0	54.5	
* 88 Phenanthrene-d10	188	9.000	9.000	0.000	97	3093705	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	2486351	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	2049181	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160412-39742.b\\x12717.D

Injection Date: 12-Apr-2016 04:30:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

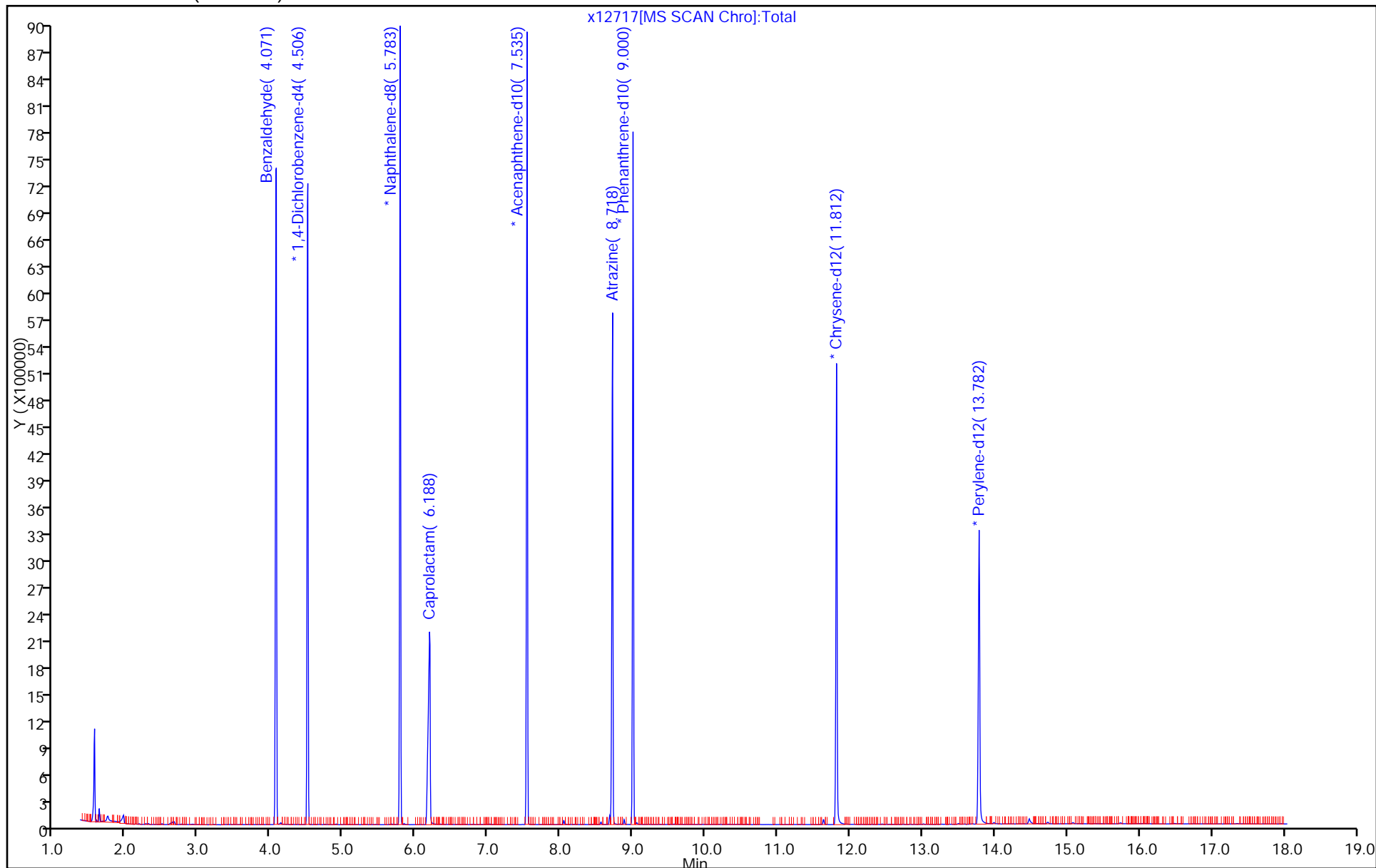
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132061c.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 29-Mar-2016 02:25:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039121-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 29-Mar-2016 11:40:30 Calib Date: 29-Mar-2016 09:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132077.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK051

First Level Reviewer: manlangitf

Date: 29-Mar-2016 03:38:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	5.393	5.393	0.000	92	31992	NR	NR	
47 Benzidine_T	184	7.222	7.222	0.000	99	184529	NR	NR	
121 DFTPP									
122 4,4'-DDE	246	7.463	7.463	0.000	1	65		NR	M
123 4,4'-DDD	235	7.904	7.904	0.000	93	1634		NR	
124 4,4'-DDT	235	8.222	8.222	0.000	98	73331	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

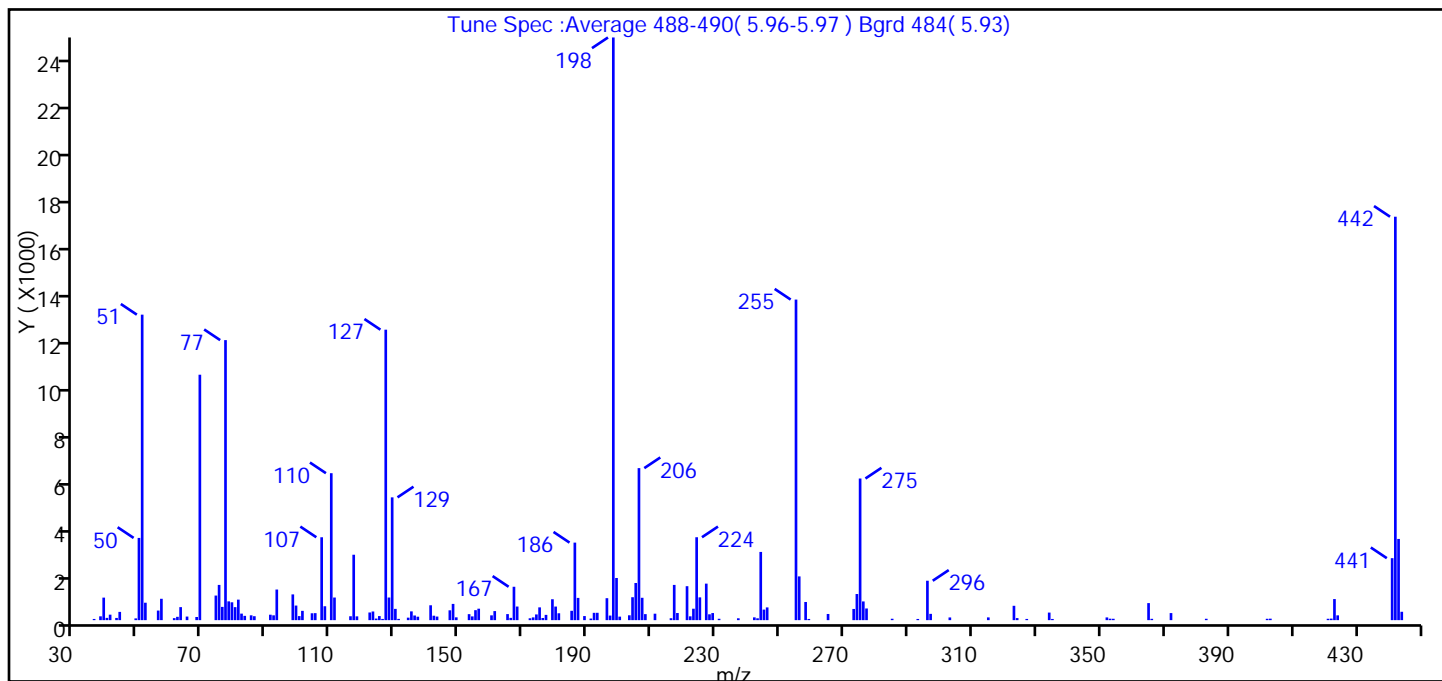
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132061c.D
Injection Date: 29-Mar-2016 02:25:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Tune Method: DFTPP Method 8270

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

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	52.4
68	<2% of mass 69	0.5 (1.3)
69	Present	42.1
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	49.8
197	<1% of mass 198	0.8
199	5-9% of mass 198	7.2
275	10-30% of mass 198	24.3
365	>1% of mass 198	2.9
441	Present but less than mass 443	10.6 (76.3)
442	>40% of mass 198	69.2
443	17-23% of mass 442	13.9 (20.1)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132061c.D\8270_12R_9.rslt\spectra.d
Injection Date: 29-Mar-2016 02:25:30
Spectrum: Tune Spec :Average 488-490(5.96-5.97) Bgrd 484(5.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	50	108.00	586	177.00	222	255.00	13521
38.00	161	110.00	6198	179.00	882	256.00	1845
39.00	950	111.00	954	180.00	573	258.00	766
40.00	95	116.00	164	181.00	290	259.00	50
41.00	231	117.00	2759	185.00	394	265.00	260
43.00	93	118.00	160	186.00	3270	273.00	472
44.00	348	122.00	323	187.00	938	274.00	1102
49.00	74	123.00	365	189.00	172	275.00	5974
50.00	3468	124.00	67	191.00	67	276.00	789
51.00	12885	125.00	172	192.00	309	277.00	492
52.00	735	126.00	51	193.00	310	285.00	59
56.00	404	127.00	12251	196.00	926	293.00	50
57.00	901	128.00	954	197.00	193	296.00	1662
61.00	85	129.00	5179	198.00	24576	297.00	265
62.00	140	130.00	475	199.00	1778	303.00	114
63.00	549	131.00	53	200.00	148	315.00	116
65.00	151	134.00	105	203.00	205	323.00	605
68.00	133	135.00	370	204.00	967	324.00	87
69.00	10352	136.00	196	205.00	1567	327.00	51
74.00	1037	137.00	145	206.00	6412	334.00	319
75.00	1486	141.00	627	207.00	943	335.00	50
76.00	559	142.00	187	208.00	254	352.00	115
77.00	11811	143.00	151	211.00	272	353.00	61
78.00	792	147.00	415	216.00	81	354.00	58
79.00	753	148.00	685	217.00	1486	365.00	719
80.00	548	149.00	118	218.00	301	366.00	56
81.00	865	153.00	253	221.00	1432	372.00	298
82.00	275	154.00	158	222.00	161	383.00	58
83.00	181	155.00	421	223.00	482	402.00	57
85.00	204	156.00	483	224.00	3497	403.00	62
86.00	166	160.00	202	225.00	961	421.00	58
91.00	229	161.00	382	227.00	1540	422.00	65
92.00	203	165.00	255	228.00	246	423.00	889

Report Date: 29-Mar-2016 11:40:31

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132061c.D\8270_12R_9.rslt\spectra.d

Injection Date: 29-Mar-2016 02:25:30

Spectrum: Tune Spec :Average 488-490(5.96-5.97) Bgrd 484(5.93)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	1291	166.00	96	229.00	299	424.00	202
98.00	1086	167.00	1408	231.00	58	441.00	2614
99.00	615	168.00	574	237.00	78	442.00	17016
100.00	171	172.00	79	242.00	117	443.00	3425
101.00	392	173.00	116	243.00	78	444.00	353
104.00	290	174.00	241	244.00	2877		
105.00	295	175.00	539	245.00	445		
107.00	3496	176.00	91	246.00	537		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132061c.D
Injection Date: 29-Mar-2016 02:25:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

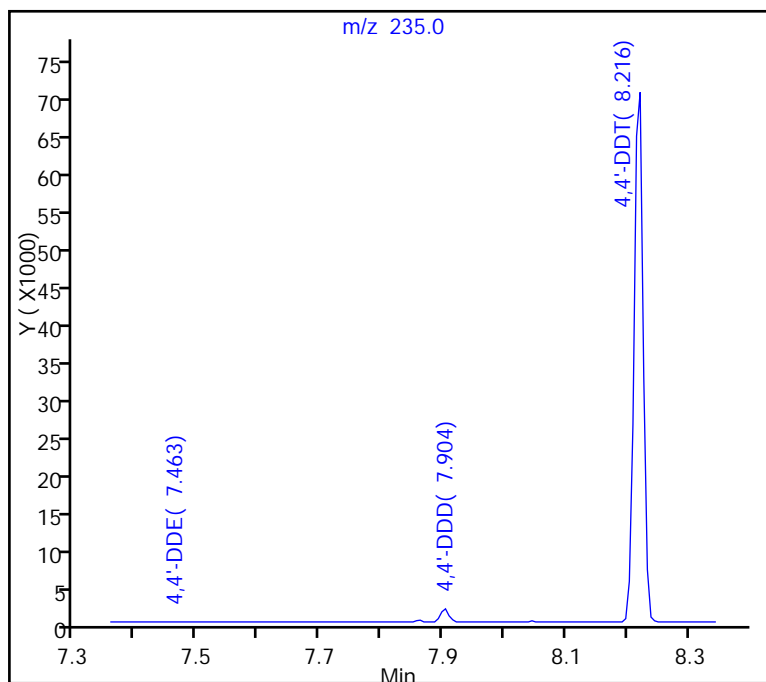
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 73331

123 4,4'-DDD, Area = 1634

122 4,4'-DDE, Area = 65

%Breakdown: 2.26%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132061c.D
Injection Date: 29-Mar-2016 02:25:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

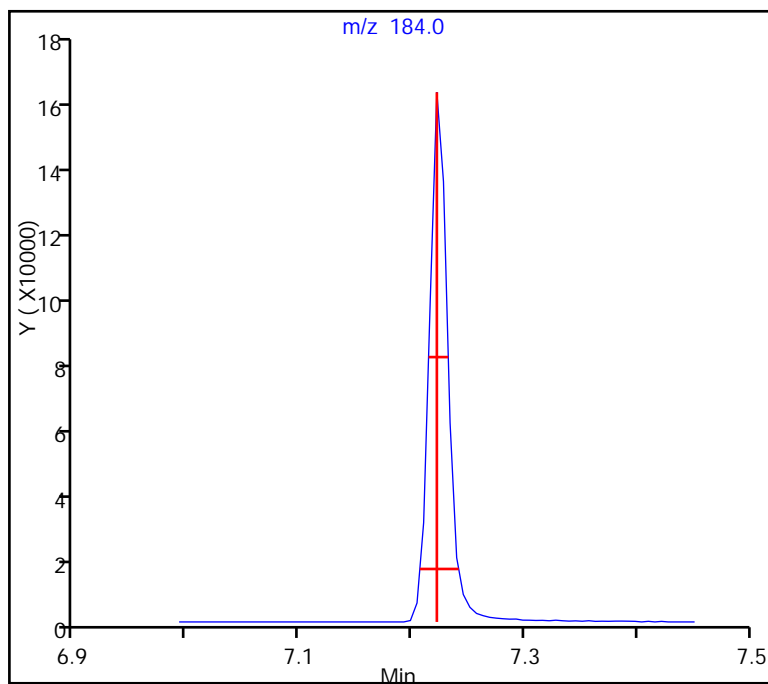
47 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160329-39121.b\L132061c.D
Injection Date: 29-Mar-2016 02:25:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

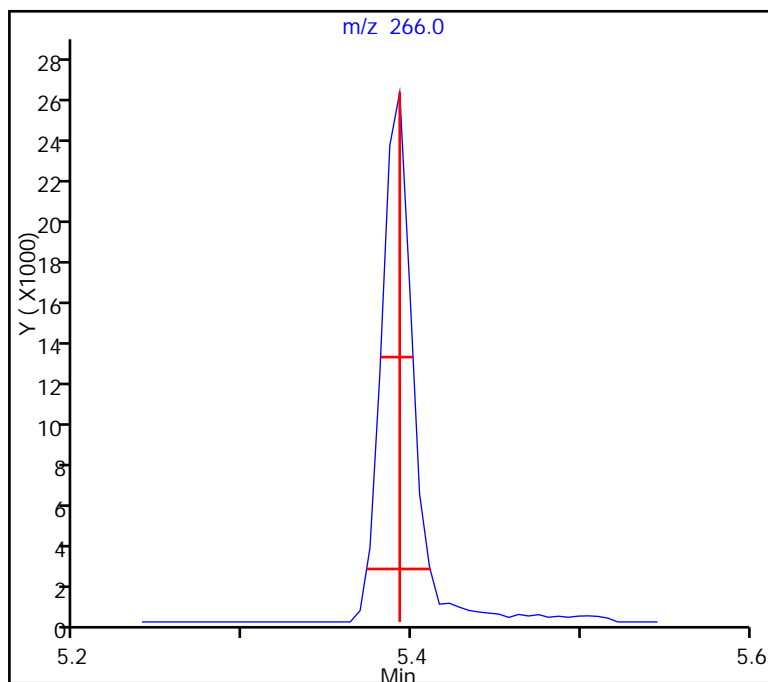
23 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.018 (min.)

Front Width = 0.020 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132419.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 06-Apr-2016 05:49:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039509-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Apr-2016 12:08:24 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: bayoumiw

Date: 06-Apr-2016 11:44:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.957	4.957	0.000	90	24953	NR	NR	
47 Benzidine_T	184	6.798	6.798	0.000	99	120485	NR	NR	
121 DFTPP									
123 4,4'-DDD	235	7.475	7.475	0.000	94	1651		NR	
124 4,4'-DDT	235	7.792	7.792	0.000	97	64203	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

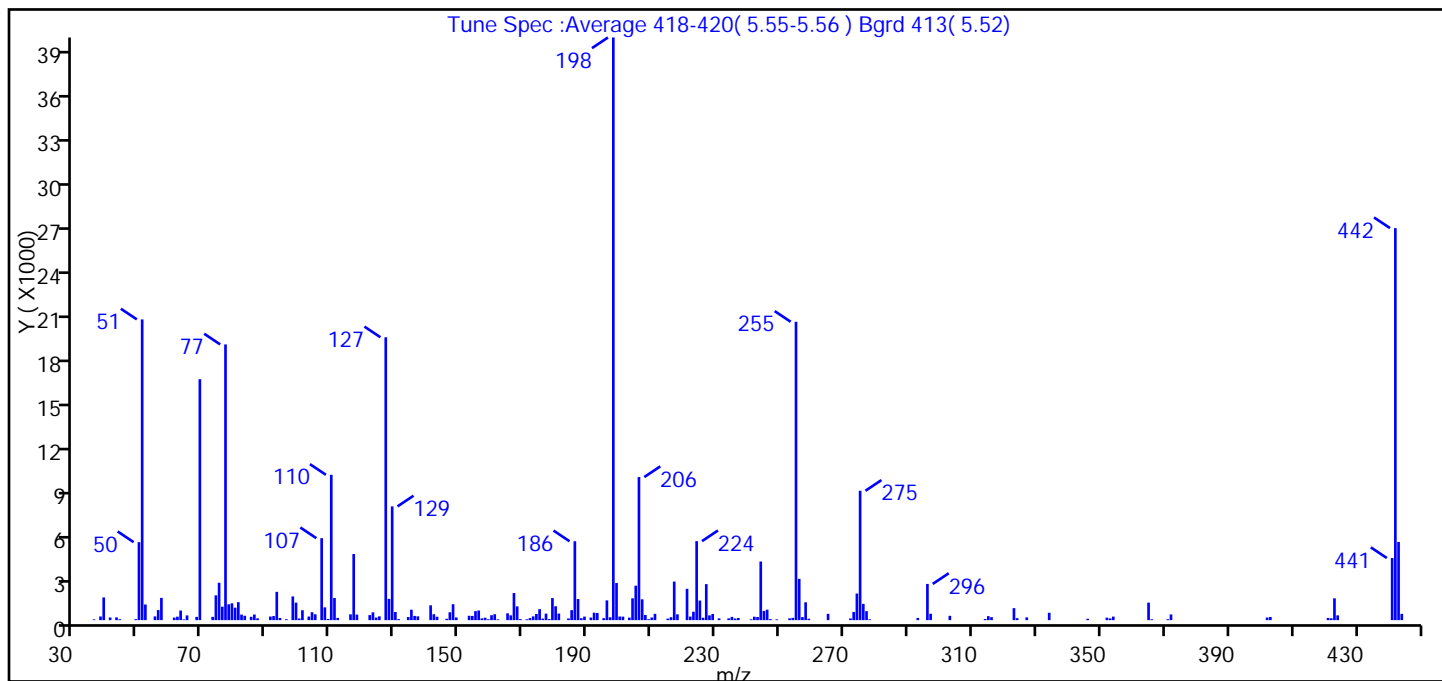
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132419.D
Injection Date: 06-Apr-2016 05:49:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Tune Method: DFTPP Method 8270

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

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	51.6
68	<2% of mass 69	0.6 (1.4)
69	Present	41.4
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	48.5
197	<1% of mass 198	0.5
199	5-9% of mass 198	6.4
275	10-30% of mass 198	22.2
365	>1% of mass 198	3.0
441	Present but less than mass 443	10.7 (79.4)
442	>40% of mass 198	67.3
443	17-23% of mass 442	13.4 (20.0)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132419.D\8270_12R_9.rsl\spectra.d
Injection Date: 06-Apr-2016 05:49:30
Spectrum: Tune Spec :Average 418-420(5.55-5.56) Bgrd 413(5.52)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	50	110.00	9757	179.00	1482	244.00	3936
38.00	246	111.00	1487	180.00	933	245.00	617
39.00	1525	112.00	152	181.00	441	246.00	704
41.00	178	116.00	391	184.00	112	247.00	73
43.00	187	117.00	4440	185.00	670	249.00	54
44.00	63	118.00	372	186.00	5297	253.00	122
49.00	67	122.00	340	187.00	1418	254.00	154
50.00	5237	123.00	523	188.00	128	255.00	20032
51.00	20192	124.00	174	189.00	238	256.00	2772
52.00	1050	125.00	255	191.00	172	257.00	206
55.00	253	127.00	18992	192.00	501	258.00	1199
56.00	677	128.00	1428	193.00	485	259.00	96
57.00	1495	129.00	7636	195.00	132	265.00	424
61.00	173	130.00	548	196.00	1326	272.00	116
62.00	234	131.00	72	197.00	192	273.00	550
63.00	647	134.00	208	198.00	39120	274.00	1787
64.00	50	135.00	700	199.00	2493	275.00	8686
65.00	318	136.00	284	200.00	243	276.00	1092
68.00	219	137.00	255	201.00	236	277.00	604
69.00	16177	141.00	995	203.00	169	278.00	54
73.00	220	142.00	398	204.00	1464	293.00	149
74.00	1666	143.00	230	205.00	2313	296.00	2432
75.00	2511	146.00	92	206.00	9608	297.00	428
76.00	903	147.00	531	207.00	1399	303.00	291
77.00	18512	148.00	1070	208.00	348	314.00	79
78.00	1063	149.00	179	209.00	62	315.00	268
79.00	1130	153.00	294	210.00	177	316.00	201
80.00	838	154.00	282	211.00	424	323.00	806
81.00	1208	155.00	606	215.00	103	324.00	132
82.00	373	156.00	648	216.00	195	327.00	188
83.00	294	157.00	118	217.00	2590	334.00	495
85.00	225	158.00	166	218.00	390	346.00	91
86.00	379	159.00	58	221.00	2103	352.00	167

Report Date: 06-Apr-2016 12:08:26

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132419.D\8270_12R_9.rsl\spectra.d

Injection Date: 06-Apr-2016 05:49:30

Spectrum: Tune Spec :Average 418-420(5.55-5.56) Bgrd 413(5.52)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	122	160.00	331	222.00	240	353.00	118
91.00	242	161.00	398	223.00	567	354.00	238
92.00	273	162.00	51	224.00	5304	365.00	1176
93.00	1901	165.00	461	225.00	1316	366.00	60
94.00	148	166.00	323	226.00	160	371.00	63
96.00	61	167.00	1820	227.00	2419	372.00	383
98.00	1593	168.00	924	228.00	322	402.00	178
99.00	1176	169.00	69	229.00	418	403.00	212
100.00	111	171.00	58	231.00	119	421.00	148
101.00	666	172.00	135	234.00	119	422.00	123
103.00	243	173.00	254	235.00	219	423.00	1467
104.00	532	174.00	412	236.00	110	424.00	321
105.00	393	175.00	737	237.00	143	441.00	4171
107.00	5504	176.00	105	241.00	57	442.00	26320
108.00	858	177.00	436	242.00	230	443.00	5251
109.00	82	178.00	69	243.00	212	444.00	422

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132419.D
Injection Date: 06-Apr-2016 05:49:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

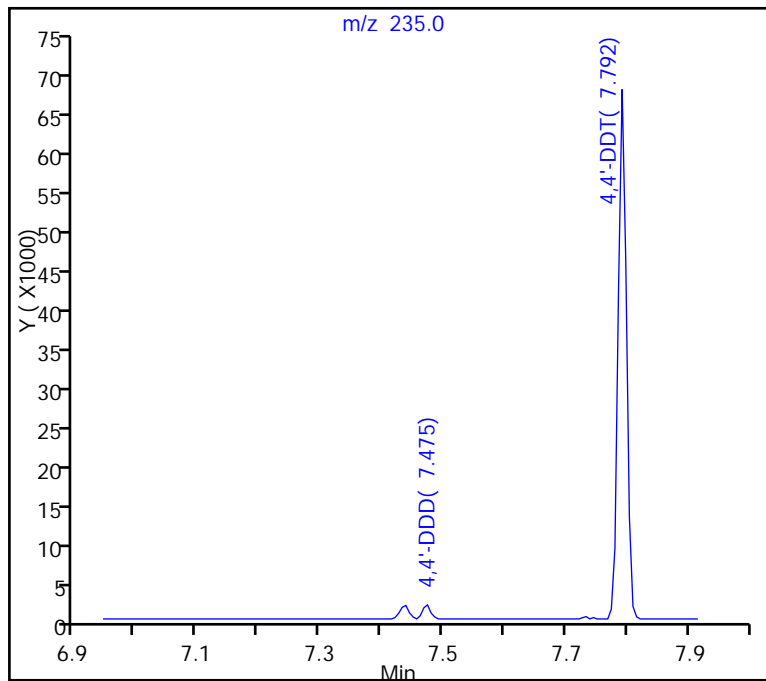
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 64203

123 4,4'-DDD, Area = 1651

122 4,4'-DDE, Area = 0

%Breakdown: 2.51%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132419.D
Injection Date: 06-Apr-2016 05:49:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

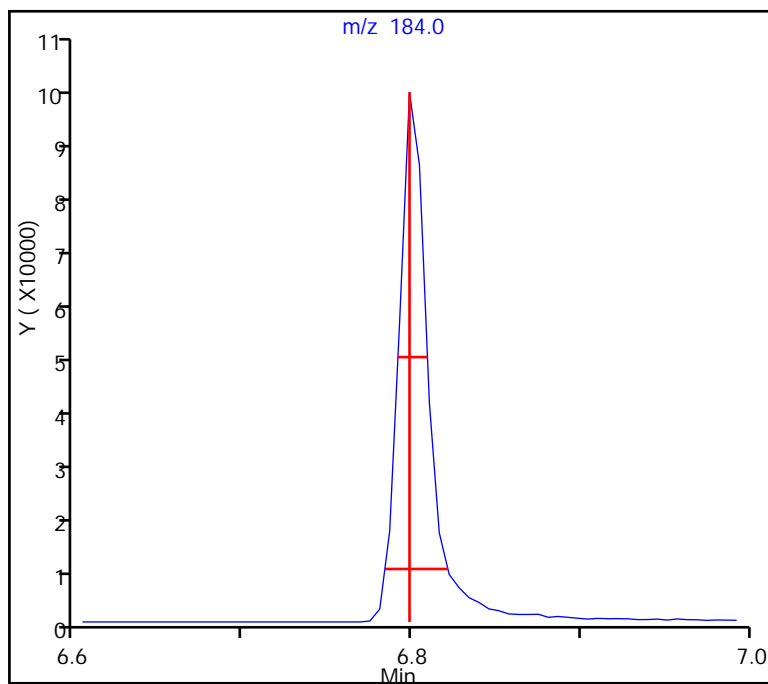
47 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.023 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132419.D
Injection Date: 06-Apr-2016 05:49:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

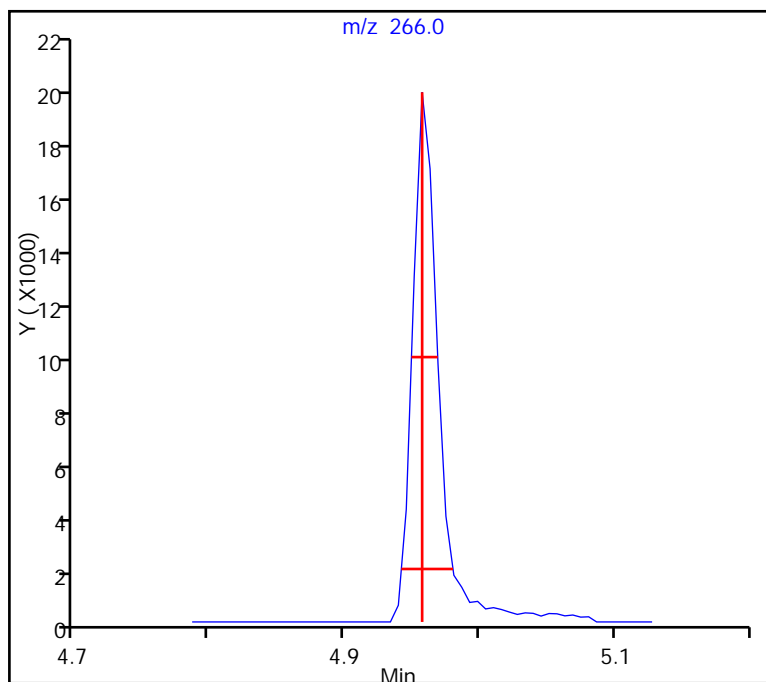
23 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.023 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132498.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 07-Apr-2016 20:05:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039595-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 14:47:52 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: croccom

Date: 07-Apr-2016 20:14:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.763	4.763	0.000	91	28166	NR	NR	
47 Benzidine_T	184	6.598	6.598	0.000	99	198226	NR	NR	
121 DFTPP									
123 4,4'-DDD	235	7.275	7.275	0.000	93	1814		NR	
124 4,4'-DDT	235	7.592	7.592	0.000	97	83676	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

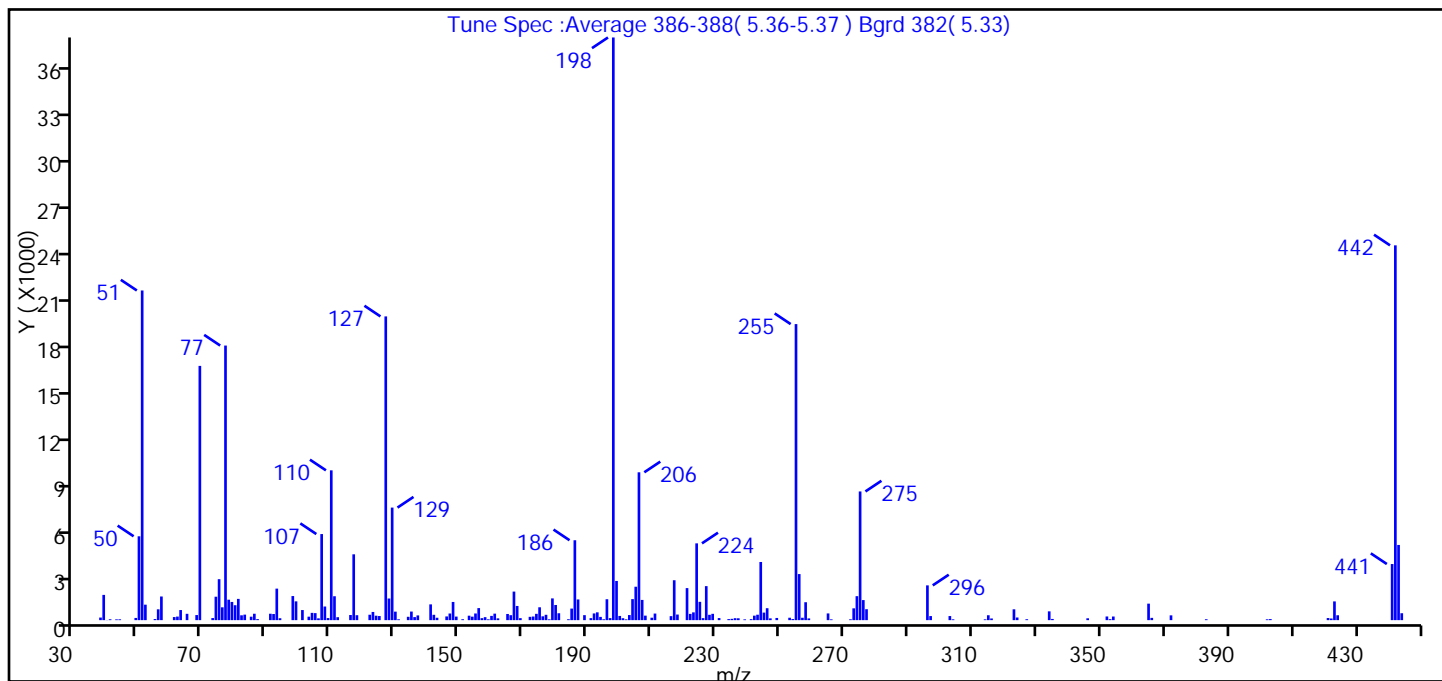
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132498.D
Injection Date: 07-Apr-2016 20:05:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	56.6
68	<2% of mass 69	0.9 (2.0)
69	Present	43.6
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	52.1
197	<1% of mass 198	0.3
199	5-9% of mass 198	6.7
275	10-30% of mass 198	22.1
365	>1% of mass 198	2.8
441	Present but less than mass 443	9.6 (74.6)
442	>40% of mass 198	64.3
443	17-23% of mass 442	12.9 (20.1)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132498.D\8270_12R_9.rsl\spectra.d
Injection Date: 07-Apr-2016 20:05:30
Spectrum: Tune Spec :Average 386-388(5.36-5.37) Bgrd 382(5.33)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	166	112.00	190	181.00	445	246.00	770
39.00	1629	116.00	331	184.00	58	247.00	115
40.00	9	117.00	4246	185.00	746	249.00	141
41.00	56	118.00	319	186.00	5154	253.00	155
43.00	50	122.00	349	187.00	1335	254.00	72
44.00	53	123.00	528	189.00	322	255.00	19096
49.00	142	124.00	287	191.00	129	256.00	2972
50.00	5409	125.00	266	192.00	433	257.00	154
51.00	21264	127.00	19592	193.00	504	258.00	1156
52.00	998	128.00	1396	194.00	210	259.00	112
55.00	71	129.00	7260	195.00	55	265.00	433
56.00	699	130.00	548	196.00	1349	266.00	50
57.00	1526	131.00	54	197.00	131	272.00	54
61.00	199	134.00	216	198.00	37584	273.00	762
62.00	230	135.00	554	199.00	2527	274.00	1547
63.00	652	136.00	196	200.00	271	275.00	8301
65.00	408	137.00	305	201.00	125	276.00	1294
68.00	328	141.00	1017	202.00	50	277.00	706
69.00	16400	142.00	345	203.00	328	296.00	2243
73.00	135	143.00	154	204.00	1356	297.00	263
74.00	1512	146.00	239	205.00	2156	303.00	264
75.00	2642	147.00	429	206.00	9537	304.00	52
76.00	828	148.00	1173	207.00	1304	314.00	51
77.00	17712	149.00	230	208.00	290	315.00	316
78.00	1318	151.00	58	210.00	158	316.00	108
79.00	1174	153.00	287	211.00	425	323.00	700
80.00	963	154.00	225	216.00	258	324.00	170
81.00	1371	155.00	430	217.00	2574	327.00	59
82.00	312	156.00	777	218.00	361	334.00	567
83.00	355	157.00	128	221.00	2067	335.00	77
85.00	223	158.00	193	222.00	404	346.00	119
86.00	413	159.00	53	223.00	501	352.00	237
87.00	66	160.00	274	224.00	4953	353.00	63

Report Date: 08-Apr-2016 14:47:55

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132498.D\8270_12R_9.rsl\spectra.d

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

Spectrum: Tune Spec :Average 386-388(5.36-5.37) Bgrd 382(5.33)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	413	161.00	419	225.00	1181	354.00	234
92.00	395	162.00	115	226.00	130	365.00	1064
93.00	2033	165.00	398	227.00	2194	366.00	147
94.00	123	166.00	320	228.00	344	372.00	309
98.00	1554	167.00	1842	229.00	408	383.00	57
99.00	1212	168.00	915	231.00	134	402.00	53
101.00	651	169.00	128	234.00	67	403.00	68
103.00	224	172.00	214	235.00	85	421.00	136
104.00	469	173.00	234	236.00	126	422.00	106
105.00	453	174.00	407	237.00	120	423.00	1209
106.00	116	175.00	830	239.00	50	424.00	315
107.00	5553	176.00	247	241.00	63	441.00	3620
108.00	879	177.00	345	242.00	289	442.00	24176
109.00	134	178.00	53	243.00	350	443.00	4850
110.00	9663	179.00	1403	244.00	3751	444.00	446
111.00	1542	180.00	978	245.00	487		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132498.D
Injection Date: 07-Apr-2016 20:05:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

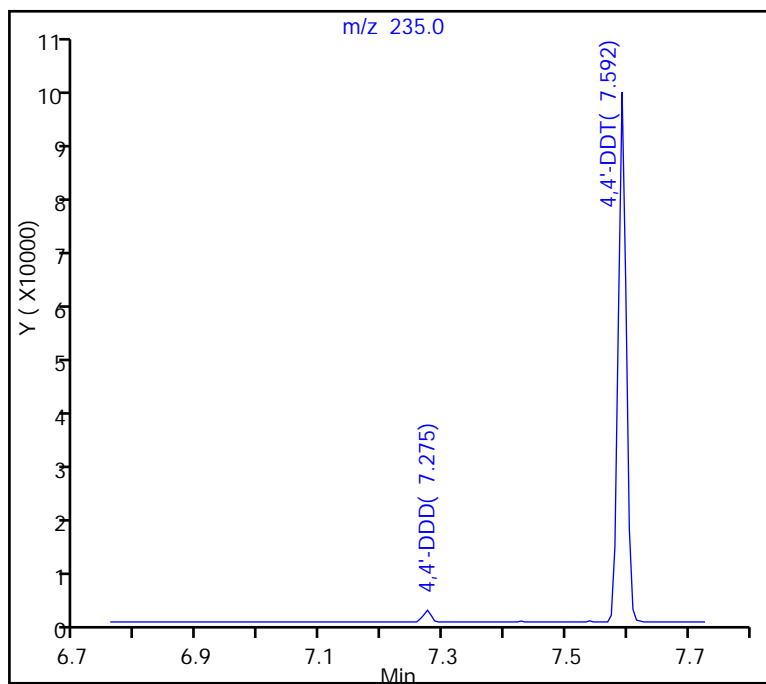
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 83676

123 4,4'-DDD, Area = 1814

122 4,4'-DDE, Area = 0

%Breakdown: 2.12%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132498.D
Injection Date: 07-Apr-2016 20:05:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

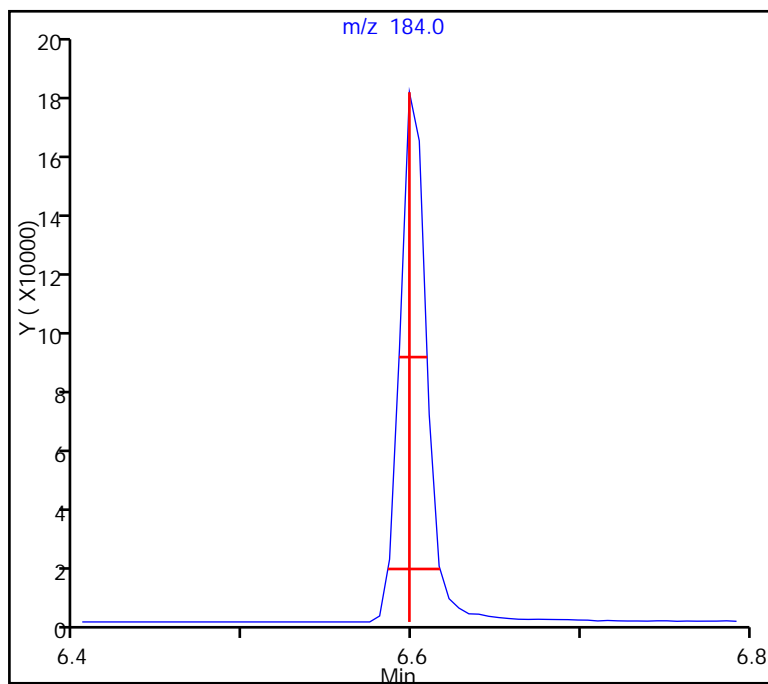
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

47 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.018 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132498.D
Injection Date: 07-Apr-2016 20:05:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

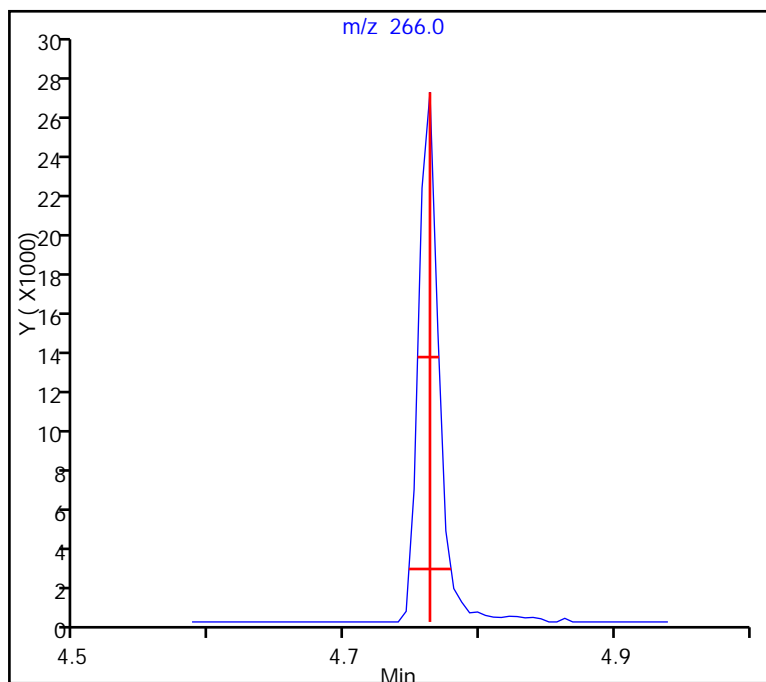
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

23 Pentachlorophenol_T, Detector: MS SCAN

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

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

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132431.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 08-Apr-2016 10:56:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039364-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 16:34:37 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: croccom

Date: 08-Apr-2016 11:12:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.734	4.734	0.000	91	12118	NR	NR	
47 Benzidine_T	184	6.575	6.575	0.000	99	133647	NR	NR	
121 DFTPP									
123 4,4'-DDD	235	7.245	7.245	0.000	93	1361		NR	
124 4,4'-DDT	235	7.563	7.563	0.000	97	57739	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

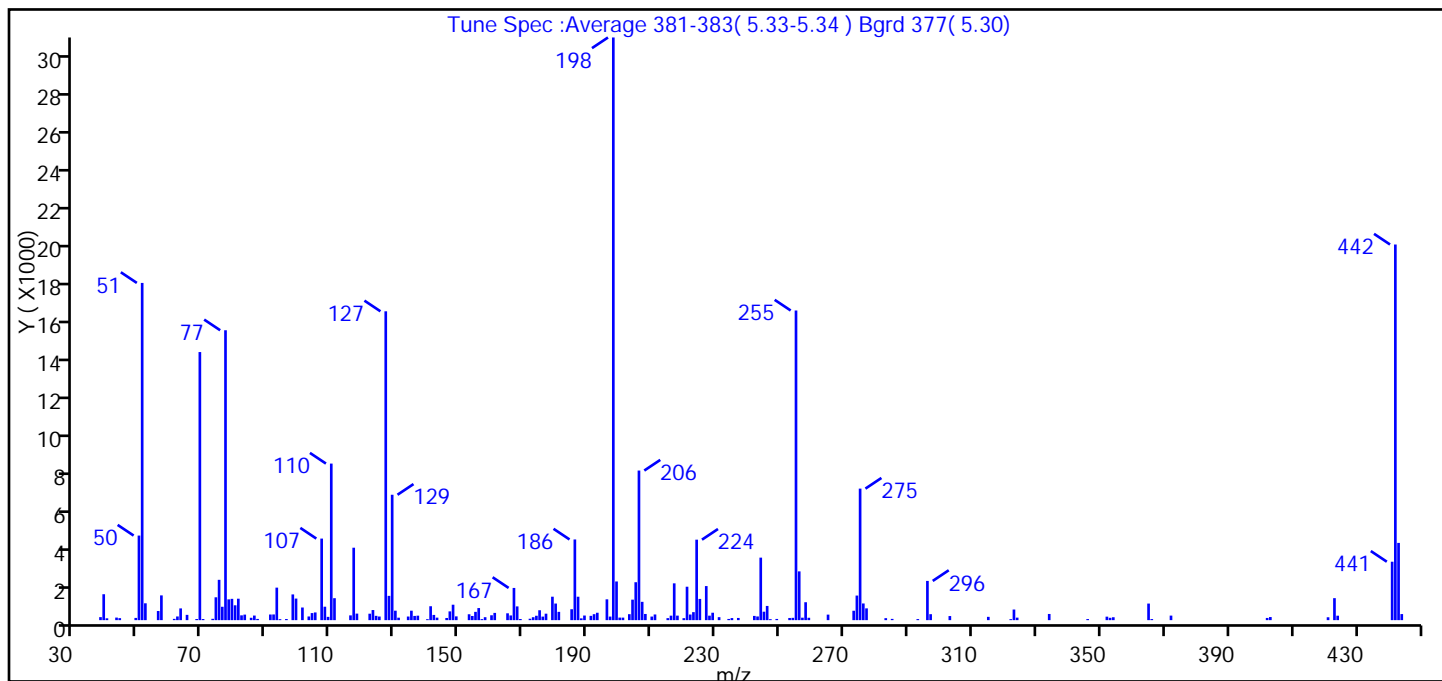
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132431.D
 Injection Date: 08-Apr-2016 10:56:30 Instrument ID: CBNAMS12
 Lims ID: dftpp
 Client ID:
 Operator ID:
 Injection Vol: 1.0 ul
 Method: 8270_12R_9
 Tune Method: DFTPP Method 8270

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

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	57.9
68	<2% of mass 69	0.2 (0.4)
69	Present	46.0
70	<2% of mass 69	0.2 (0.4)
127	40-60% of mass 198	53.0
197	<1% of mass 198	0.6
199	5-9% of mass 198	6.6
275	10-30% of mass 198	22.6
365	>1% of mass 198	2.8
441	Present but less than mass 443	10.0 (75.6)
442	>40% of mass 198	64.5
443	17-23% of mass 442	13.3 (20.6)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132431.D\8270_12R_9.rsl\spectra.d
Injection Date: 08-Apr-2016 10:56:30
Spectrum: Tune Spec :Average 381-383(5.33-5.34) Bgrd 377(5.30)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	158	109.00	172	177.00	339	244.00	3280
39.00	1360	110.00	8216	179.00	1230	245.00	443
40.00	96	111.00	1152	180.00	871	246.00	745
43.00	134	116.00	250	181.00	435	247.00	51
44.00	105	117.00	3801	185.00	573	249.00	63
49.00	117	118.00	343	186.00	4234	253.00	114
50.00	4438	122.00	338	187.00	1229	254.00	121
51.00	17696	123.00	530	188.00	93	255.00	16249
52.00	884	124.00	226	189.00	242	256.00	2559
56.00	479	125.00	190	191.00	225	257.00	129
57.00	1299	127.00	16207	192.00	313	258.00	940
61.00	67	128.00	1274	193.00	388	259.00	125
62.00	193	129.00	6580	196.00	1093	265.00	290
63.00	616	130.00	496	197.00	187	273.00	493
65.00	277	131.00	129	198.00	30576	274.00	1290
68.00	59	134.00	190	199.00	2030	275.00	6902
69.00	14068	135.00	496	200.00	134	276.00	875
70.00	59	136.00	222	201.00	133	277.00	618
73.00	70	137.00	235	203.00	313	283.00	104
74.00	1199	140.00	50	204.00	1075	285.00	66
75.00	2116	141.00	730	205.00	1990	293.00	56
76.00	702	142.00	274	206.00	7850	296.00	2058
77.00	15212	143.00	131	207.00	961	297.00	313
78.00	1090	146.00	114	208.00	324	303.00	215
79.00	1118	147.00	460	210.00	188	315.00	173
80.00	779	148.00	810	211.00	298	322.00	51
81.00	1125	149.00	198	215.00	106	323.00	557
82.00	252	153.00	309	216.00	235	324.00	131
83.00	290	154.00	219	217.00	1931	334.00	324
85.00	124	155.00	435	218.00	237	346.00	57
86.00	241	156.00	634	220.00	104	352.00	183
87.00	64	157.00	54	221.00	1754	353.00	123
91.00	296	158.00	155	222.00	295	354.00	152

Report Date: 08-Apr-2016 16:34:41

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132431.D\8270_12R_9.rsl\spectra.d

Injection Date: 08-Apr-2016 10:56:30

Spectrum: Tune Spec :Average 381-383(5.33-5.34) Bgrd 377(5.30)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	299	160.00	256	223.00	420	365.00	870
93.00	1706	161.00	380	224.00	4223	366.00	57
94.00	51	165.00	359	225.00	1113	372.00	238
96.00	59	166.00	246	227.00	1788	402.00	115
98.00	1350	167.00	1690	228.00	235	403.00	163
99.00	1132	168.00	721	229.00	389	421.00	151
101.00	663	169.00	59	231.00	156	423.00	1154
103.00	193	172.00	74	234.00	63	424.00	233
104.00	371	173.00	154	235.00	109	441.00	3066
105.00	404	174.00	230	237.00	115	442.00	19712
107.00	4280	175.00	519	242.00	222	443.00	4053
108.00	705	176.00	186	243.00	193	444.00	319

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132431.D
Injection Date: 08-Apr-2016 10:56:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

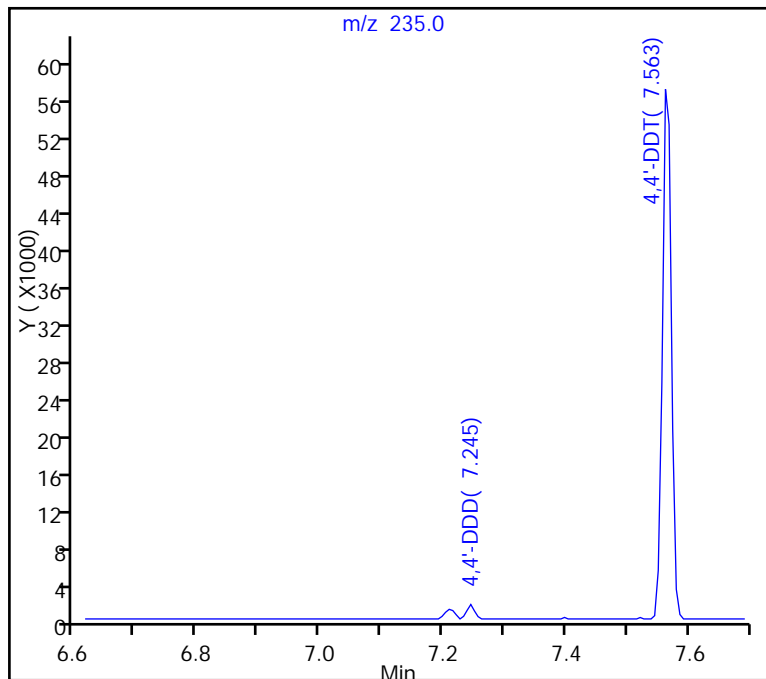
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 57739

123 4,4'-DDD, Area = 1361

122 4,4'-DDE, Area = 0

%Breakdown: 2.30%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132431.D
Injection Date: 08-Apr-2016 10:56:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

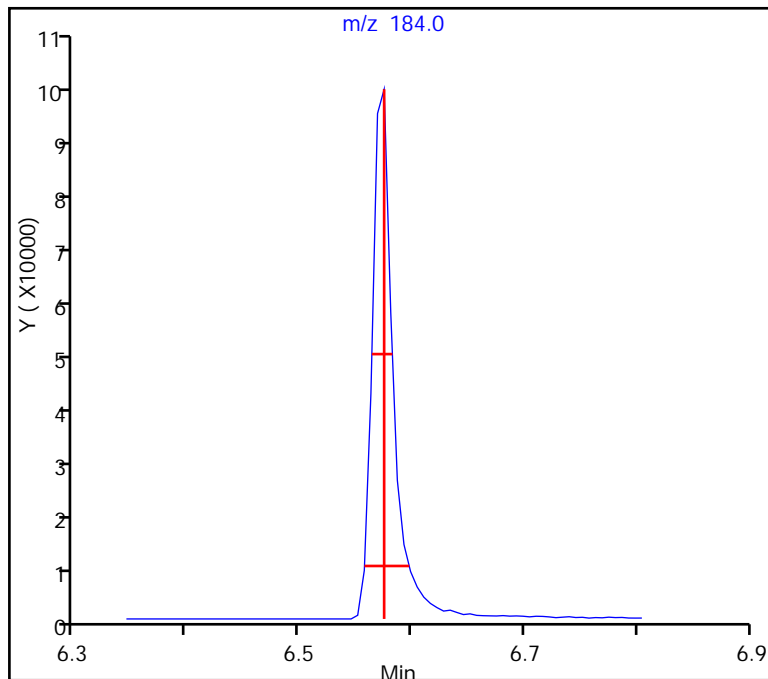
47 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.022 (min.)

Front Width = 0.018 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132431.D
Injection Date: 08-Apr-2016 10:56:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

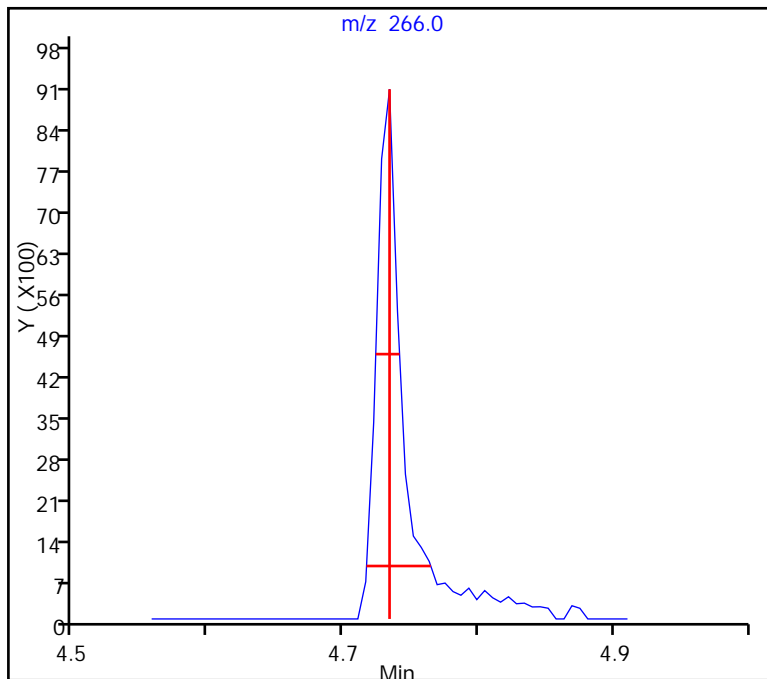
23 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.031 (min.)

Front Width = 0.017 (min.)

Tailing Factor = 1.8, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 11-Apr-2016 13:27:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: -0039723-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:34 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 13:41:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.293	5.293	0.000	94	43828	NR	NR	
55 Benzidine_T	184	7.128	7.128	0.000	99	260055	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.798	7.798	0.000	47	1928		NR	
127 4,4'-DDT	235	8.116	8.116	0.000	98	85679	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

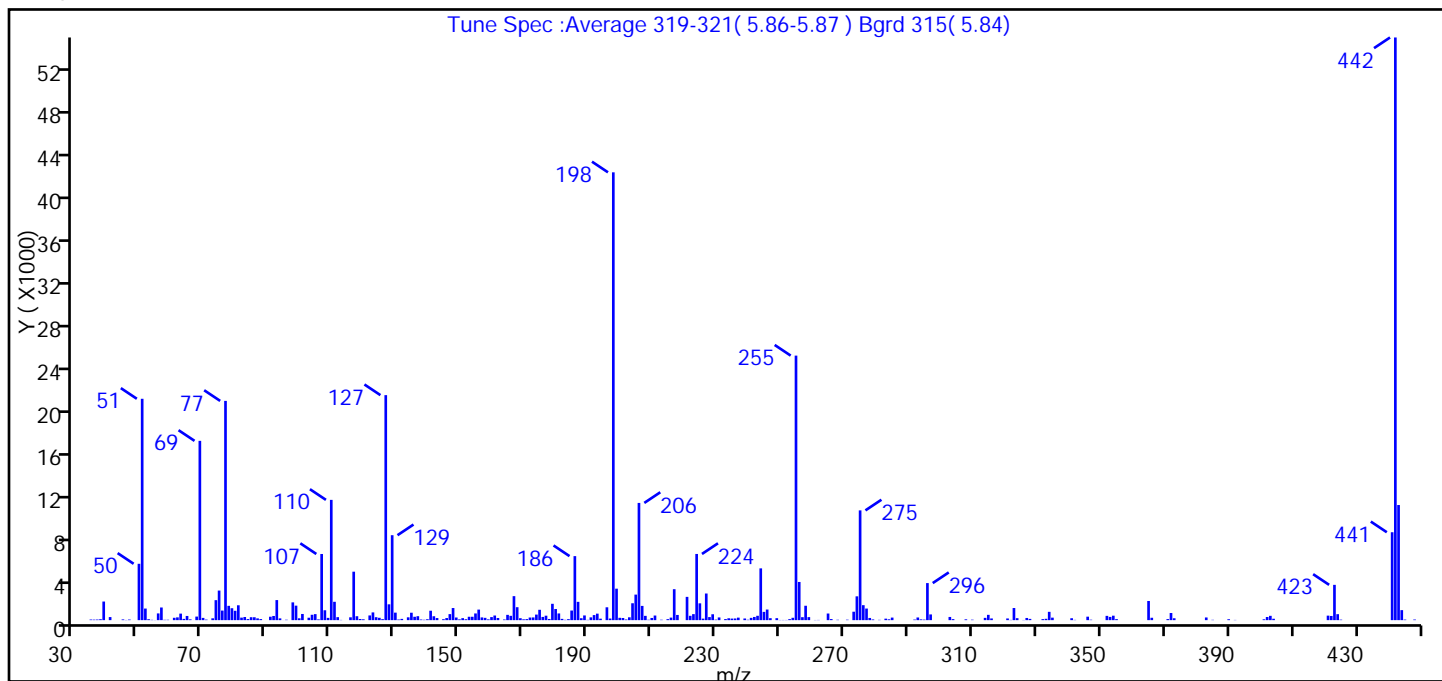
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
Injection Date: 11-Apr-2016 13:27:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Tune Method: DFTPP Method 8270

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

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	49.4
68	<2% of mass 69	0.8 (2.0)
69	Present	40.0
70	<2% of mass 69	0.5 (1.3)
127	40-60% of mass 198	50.2
197	<1% of mass 198	0.4
199	5-9% of mass 198	7.0
275	10-30% of mass 198	24.5
365	>1% of mass 198	4.3
441	Present but less than mass 443	19.6 (76.4)
442	>40% of mass 198	130.1
443	17-23% of mass 442	25.7 (19.8)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D\8270_5R.rslt\spectra.d
Injection Date: 11-Apr-2016 13:27:30
Spectrum: Tune Spec :Average 319-321(5.86-5.87) Bgrd 315(5.84)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	58	117.00	4571	189.00	443	271.00	44
36.00	48	118.00	370	190.00	27	273.00	795
37.00	57	119.00	107	191.00	262	274.00	2246
38.00	87	120.00	79	192.00	479	275.00	10353
39.00	1755	122.00	443	193.00	613	276.00	1412
41.00	290	123.00	730	194.00	138	277.00	1093
45.00	69	124.00	276	196.00	1213	278.00	206
46.00	17	125.00	221	197.00	152	279.00	66
47.00	57	126.00	94	198.00	42240	281.00	28
50.00	5316	127.00	21224	199.00	2968	283.00	140
51.00	20880	128.00	1493	200.00	220	284.00	79
52.00	1093	129.00	8012	201.00	203	285.00	241
53.00	87	130.00	708	202.00	63	292.00	55
54.00	29	131.00	58	203.00	269	293.00	251
55.00	10	132.00	119	204.00	1593	294.00	71
56.00	635	134.00	267	205.00	2409	295.00	51
57.00	1194	135.00	700	206.00	11057	296.00	3496
58.00	33	136.00	318	207.00	1343	297.00	539
59.00	37	137.00	373	208.00	404	303.00	301
61.00	222	138.00	59	209.00	36	304.00	96
62.00	262	139.00	34	210.00	206	308.00	78
63.00	615	140.00	85	211.00	435	310.00	43
64.00	118	141.00	888	213.00	38	314.00	216
65.00	395	142.00	368	215.00	95	315.00	500
66.00	75	143.00	198	216.00	239	316.00	160
67.00	2	145.00	88	217.00	2919	321.00	159
68.00	336	146.00	197	218.00	491	322.00	23
69.00	16912	147.00	568	221.00	2195	323.00	1144
70.00	212	148.00	1142	222.00	409	324.00	185
71.00	51	149.00	249	223.00	567	326.00	16
73.00	173	150.00	73	224.00	6243	327.00	205
74.00	1885	151.00	188	225.00	1586	328.00	118
75.00	2790	152.00	86	226.00	143	332.00	97

Report Date: 11-Apr-2016 23:58:36

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D\8270_5R.rsl\spectra.d

Injection Date: 11-Apr-2016 13:27:30

Spectrum: Tune Spec :Average 319-321(5.86-5.87) Bgrd 315(5.84)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	903	153.00	318	227.00	2513	333.00	127
77.00	20680	154.00	319	228.00	289	334.00	784
78.00	1350	155.00	631	229.00	555	335.00	235
79.00	1124	156.00	994	230.00	49	341.00	180
80.00	882	157.00	257	231.00	255	342.00	25
81.00	1402	158.00	218	233.00	101	346.00	327
82.00	238	159.00	74	234.00	176	347.00	41
83.00	295	160.00	288	235.00	148	352.00	403
84.00	102	161.00	437	236.00	157	353.00	305
85.00	277	162.00	203	237.00	237	354.00	420
86.00	273	164.00	61	239.00	156	355.00	96
87.00	167	165.00	499	240.00	37	365.00	1807
88.00	100	166.00	407	241.00	214	366.00	225
91.00	323	167.00	2263	242.00	300	371.00	101
92.00	393	168.00	1220	243.00	410	372.00	674
93.00	1892	169.00	182	244.00	4884	373.00	177
94.00	166	170.00	78	245.00	779	383.00	252
95.00	3	171.00	98	246.00	1001	385.00	30
96.00	39	172.00	247	247.00	184	390.00	86
98.00	1676	173.00	256	249.00	185	392.00	21
99.00	1367	174.00	524	250.00	17	401.00	80
100.00	175	175.00	977	251.00	18	402.00	296
101.00	582	176.00	304	252.00	18	403.00	407
103.00	229	177.00	420	253.00	95	404.00	131
104.00	507	178.00	110	254.00	222	421.00	425
105.00	568	179.00	1542	255.00	24952	422.00	394
106.00	70	180.00	1050	256.00	3601	423.00	3329
107.00	6240	181.00	632	257.00	280	424.00	563
108.00	932	182.00	120	258.00	1357	425.00	46
109.00	214	183.00	30	259.00	285	441.00	8291
110.00	11345	184.00	94	261.00	16	442.00	54960
111.00	1731	185.00	906	262.00	21	443.00	10859
112.00	282	186.00	6039	265.00	625	444.00	944
113.00	21	187.00	1726	266.00	101	445.00	52

Report Date: 11-Apr-2016 23:58:36

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D\8270_5R.rslt\spectra.d

Injection Date: 11-Apr-2016 13:27:30

Spectrum: Tune Spec :Average 319-321(5.86-5.87) Bgrd 315(5.84)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	267	188.00	180	268.00	35	448.00	58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
Injection Date: 11-Apr-2016 13:27:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

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

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

SW-846 Method

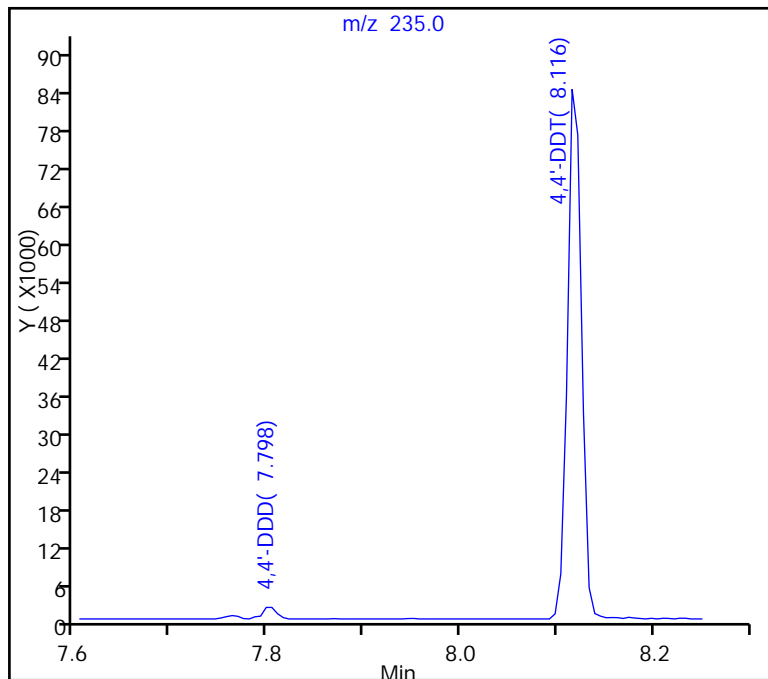
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 85679

126 4,4'-DDD, Area = 1928

125 4,4'-DDE, Area = 0

%Breakdown: 2.20%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
Injection Date: 11-Apr-2016 13:27:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

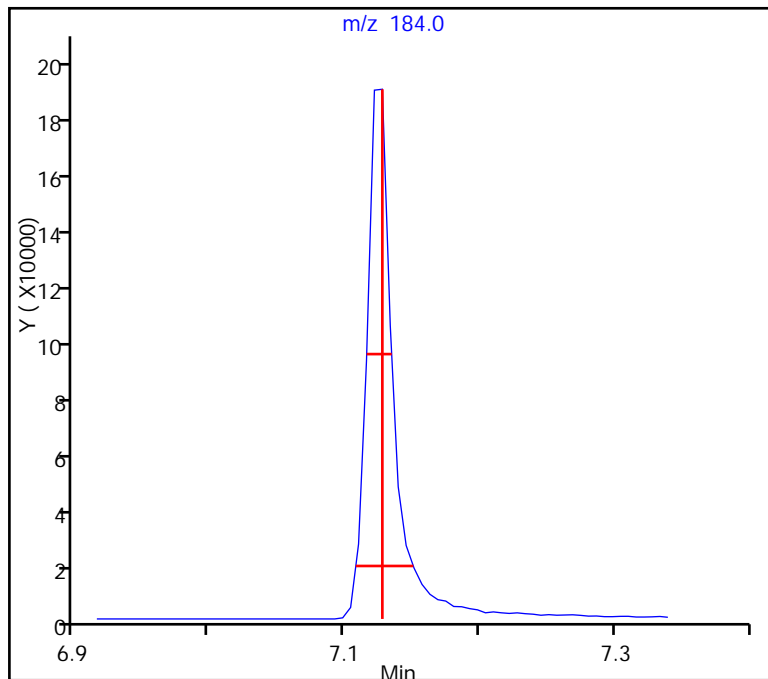
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.023 (min.)
Front Width = 0.020 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D

Injection Date: 11-Apr-2016 13:27:30

Instrument ID: CBNAMS5

Lims ID: dftpp

Client ID:

Operator ID:

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =

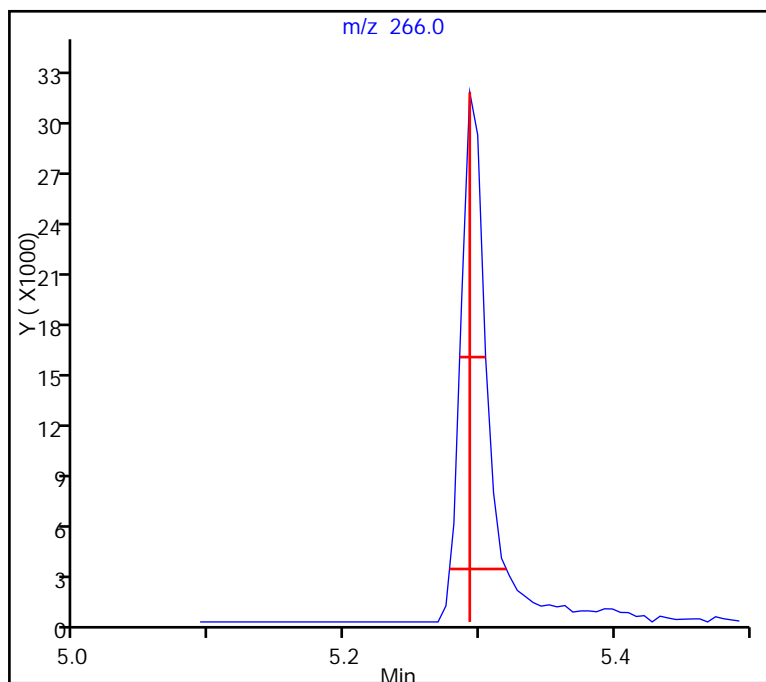
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.027 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.8, Max. Tailing < 2.00

Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12715.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 12-Apr-2016 03:50:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039742-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 12:03:03 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.293	5.293	0.000	93	45678	NR	NR	
55 Benzidine_T	184	7.122	7.122	0.000	99	227998	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.798	7.798	0.000	95	2022		NR	
127 4,4'-DDT	235	8.116	8.116	0.000	98	84369	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

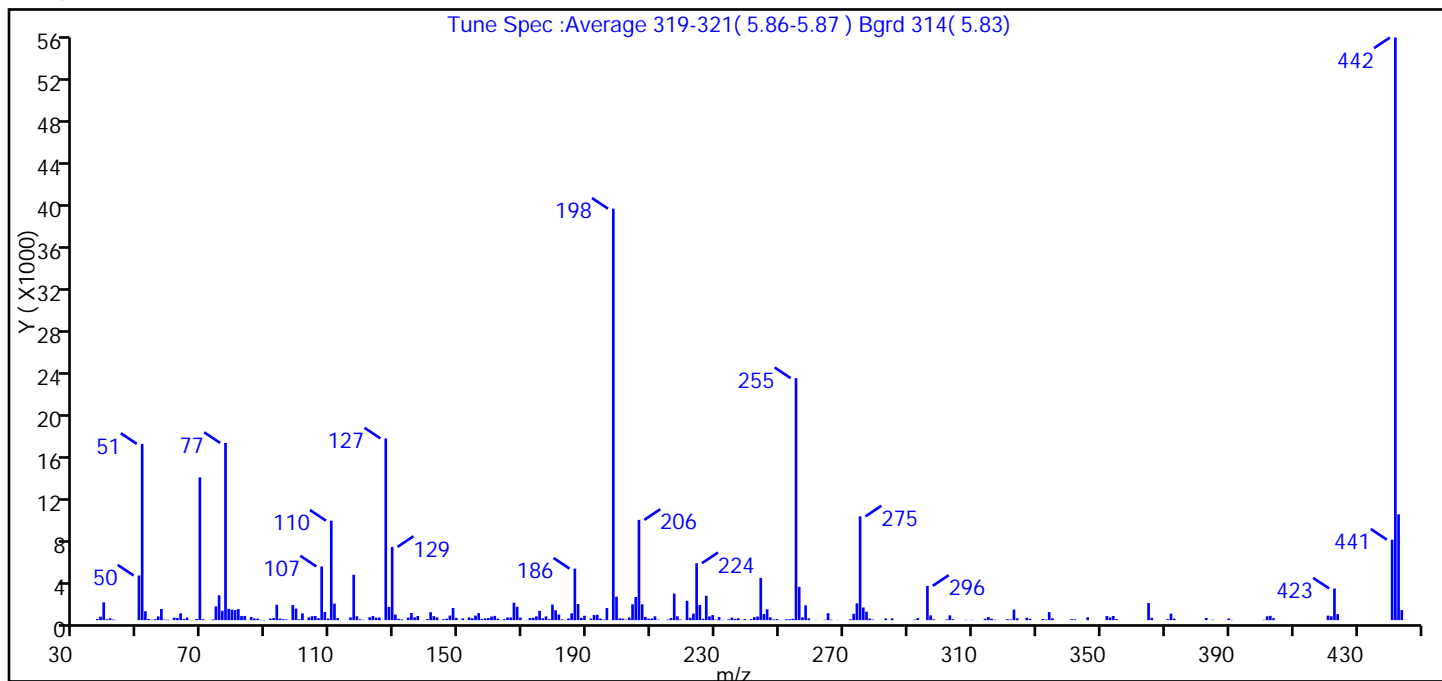
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12715.D
Injection Date: 12-Apr-2016 03:50:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Tune Method: DFTPP Method 8270

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

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	42.8
68	<2% of mass 69	0.3 (0.8)
69	Present	34.7
70	<2% of mass 69	0.2 (0.7)
127	40-60% of mass 198	44.2
197	<1% of mass 198	0.0
199	5-9% of mass 198	5.7
275	10-30% of mass 198	25.2
365	>1% of mass 198	4.2
441	Present but less than mass 443	19.6 (76.1)
442	>40% of mass 198	141.6
443	17-23% of mass 442	25.7 (18.2)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12715.D\8270_5R.rslt\spectra.d
Injection Date: 12-Apr-2016 03:50:30
Spectrum: Tune Spec :Average 319-321(5.86-5.87) Bgrd 314(5.83)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 258

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	106	119.00	79	191.00	146	268.00	23
38.00	327	120.00	36	192.00	483	272.00	84
39.00	1688	122.00	274	193.00	508	273.00	602
40.00	83	123.00	389	194.00	151	274.00	1593
41.00	172	124.00	236	195.00	57	275.00	9852
42.00	58	125.00	242	196.00	1150	276.00	1198
43.00	9	127.00	17256	198.00	39072	277.00	800
50.00	4235	128.00	1261	199.00	2223	278.00	145
51.00	16736	129.00	6953	200.00	167	279.00	57
52.00	846	130.00	524	201.00	139	283.00	161
53.00	105	131.00	128	202.00	48	285.00	175
54.00	43	132.00	73	203.00	253	292.00	54
55.00	87	133.00	2	204.00	1506	293.00	195
56.00	357	134.00	246	205.00	2198	296.00	3257
57.00	1054	135.00	677	206.00	9522	297.00	451
58.00	46	136.00	273	207.00	1507	298.00	80
59.00	53	137.00	393	208.00	307	302.00	61
61.00	234	139.00	21	209.00	143	303.00	459
62.00	204	140.00	105	210.00	155	304.00	88
63.00	650	141.00	756	211.00	366	308.00	27
64.00	101	142.00	379	212.00	47	310.00	30
65.00	244	143.00	253	215.00	56	314.00	138
66.00	26	145.00	82	216.00	207	315.00	304
68.00	114	146.00	138	217.00	2518	316.00	141
69.00	13555	147.00	430	218.00	366	317.00	43
70.00	93	148.00	1159	219.00	56	321.00	90
73.00	67	149.00	214	221.00	1839	322.00	57
74.00	1303	151.00	166	222.00	228	323.00	999
75.00	2365	152.00	21	223.00	622	324.00	175
76.00	884	153.00	262	224.00	5408	327.00	235
77.00	16824	154.00	175	225.00	1443	328.00	122
78.00	1073	155.00	431	226.00	129	332.00	106
79.00	997	156.00	668	227.00	2313	333.00	56

Report Date: 12-Apr-2016 12:03:06

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

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12715.D\8270_5R.rsl\spectra.d

Injection Date: 12-Apr-2016 03:50:30

Spectrum: Tune Spec :Average 319-321(5.86-5.87) Bgrd 314(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 258

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	967	157.00	106	228.00	356	334.00	762
81.00	1040	158.00	166	229.00	481	335.00	181
82.00	398	159.00	195	230.00	56	341.00	90
83.00	400	160.00	339	231.00	296	342.00	74
85.00	296	161.00	403	232.00	19	346.00	272
86.00	161	162.00	148	234.00	67	352.00	399
87.00	141	163.00	24	235.00	249	353.00	256
88.00	33	164.00	96	236.00	118	354.00	391
89.00	22	165.00	248	237.00	185	355.00	99
91.00	155	166.00	254	239.00	102	365.00	1631
92.00	198	167.00	1652	241.00	103	366.00	231
93.00	1460	168.00	1267	242.00	285	371.00	93
94.00	146	169.00	238	243.00	339	372.00	618
95.00	95	171.00	26	244.00	4011	373.00	144
96.00	65	172.00	200	245.00	592	383.00	208
98.00	1435	173.00	222	246.00	1030	385.00	43
99.00	1101	174.00	355	247.00	267	390.00	156
100.00	84	175.00	877	248.00	66	391.00	21
101.00	641	176.00	179	249.00	102	401.00	36
103.00	267	177.00	357	250.00	20	402.00	362
104.00	369	178.00	101	252.00	89	403.00	411
105.00	392	179.00	1483	253.00	85	404.00	179
106.00	187	180.00	936	254.00	123	421.00	426
107.00	5097	181.00	531	255.00	22976	422.00	368
108.00	774	182.00	76	256.00	3164	423.00	3005
109.00	158	183.00	23	257.00	266	424.00	573
110.00	9447	184.00	159	258.00	1402	441.00	7644
111.00	1571	185.00	648	259.00	172	442.00	55328
112.00	199	186.00	4892	261.00	17	443.00	10051
116.00	261	187.00	1534	264.00	39	444.00	957
117.00	4304	188.00	220	265.00	661		
118.00	363	189.00	413	266.00	49		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12715.D
Injection Date: 12-Apr-2016 03:50:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

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

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

SW-846 Method

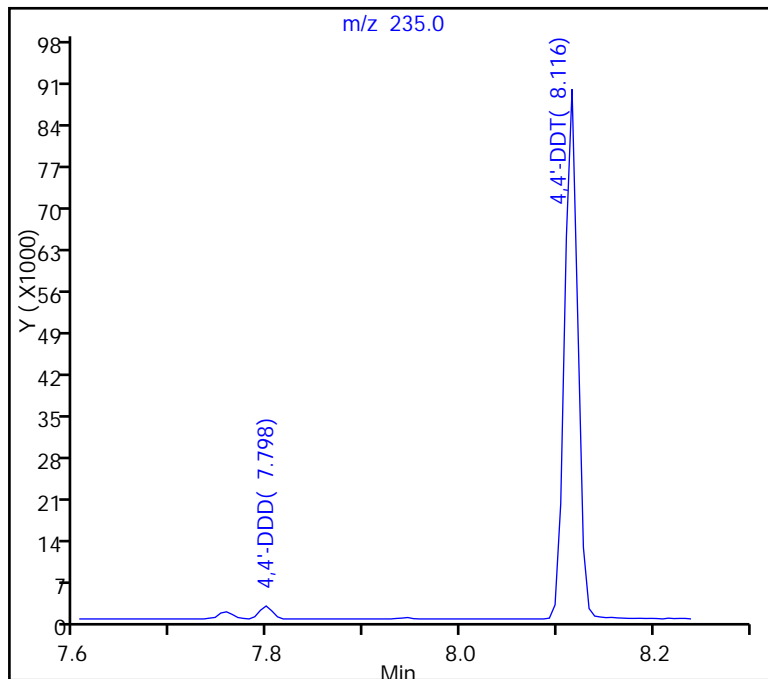
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 84369

126 4,4'-DDD, Area = 2022

125 4,4'-DDE, Area = 0

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12715.D
Injection Date: 12-Apr-2016 03:50:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

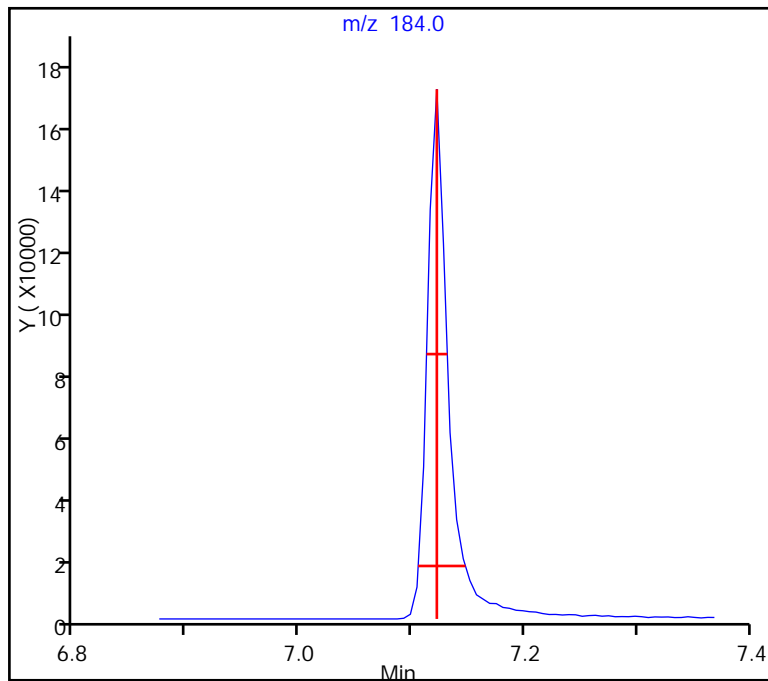
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.025 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12715.D
Injection Date: 12-Apr-2016 03:50:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

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

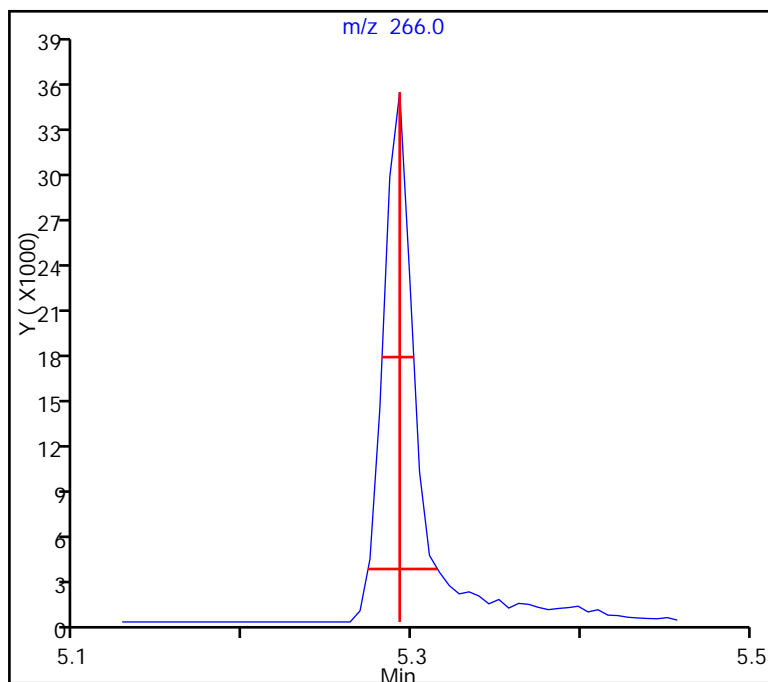
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.022 (min.)

Front Width = 0.019 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-361064/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132434.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/08/2016 12:20</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>361481</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>460-111496-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-361064/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132434.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/08/2016 12:20</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>361481</u>	Units: <u>ug/Kg</u>

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-361064/1-A
 Matrix: Solid Lab File ID: L132434.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/06/2016 10:38
 Sample wt/vol: 15.0000 (g) Date Analyzed: 04/08/2016 12:20
 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.: 361481 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	73		10-95
321-60-8	2-Fluorobiphenyl	77		27-84
367-12-4	2-Fluorophenol (Surr)	75		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	79		28-92
4165-62-2	Phenol-d5 (Surr)	77		22-88
1718-51-0	Terphenyl-d14 (Surr)	87		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132434.D
 Lims ID: MB 460-361064/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Apr-2016 12:20:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039634-004
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 16:35:42 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: croccom

Date: 08-Apr-2016 13:36:01

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	2.752	2.735	0.017	89	333984	50.0	37.5	
\$ 6 Phenol-d5	99	3.664	3.670	-0.006	86	438190	50.0	38.3	
* 13 1,4-Dichlorobenzene-d4	152	4.023	4.023	0.000	98	275153	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.582	4.588	-0.006	95	408670	50.0	39.7	
* 36 Naphthalene-d8	136	5.311	5.311	0.000	99	1014632	40.0	40.0	
\$ 50 2-Fluorobiphenyl	172	6.405	6.405	0.000	98	700855	50.0	38.5	
* 63 Acenaphthene-d10	164	7.064	7.064	0.000	93	487689	40.0	40.0	
\$ 79 2,4,6-Tribromophenol	330	7.840	7.846	-0.006	94	65031	50.0	36.6	
* 85 Phenanthrene-d10	188	8.523	8.523	0.000	99	636836	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.093	10.093	0.000	99	410492	50.0	43.3	
* 100 Chrysene-d12	240	11.217	11.217	-0.001	99	335060	40.0	40.0	
* 107 Perylene-d12	264	13.058	13.058	0.000	96	252320	40.0	40.0	

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160408-39634.b\\L132434.D

Injection Date: 08-Apr-2016 12:20:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: MB 460-361064/1-A

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul

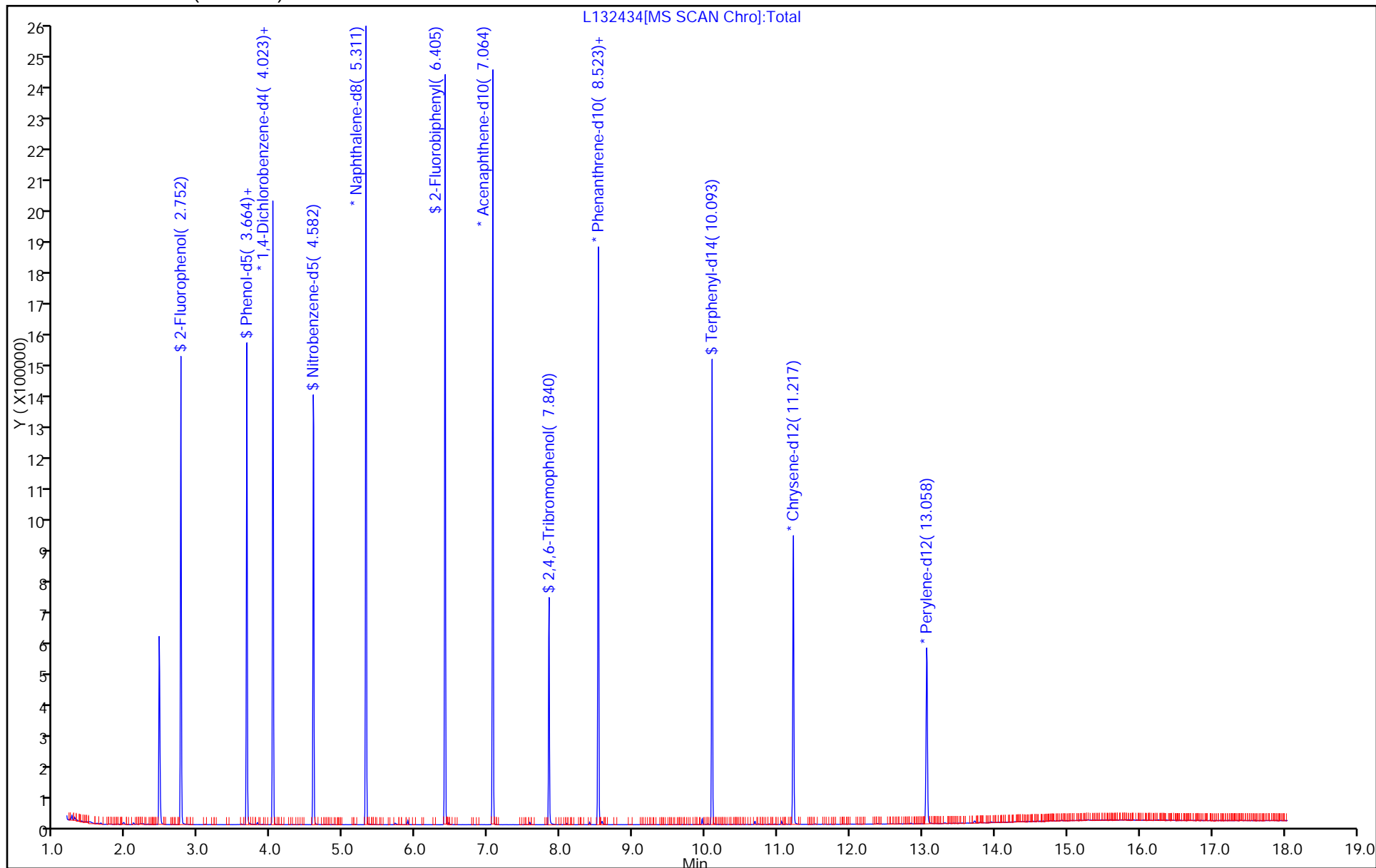
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-361064/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132440.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/08/2016 14:56</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>361481</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2720		330	28
95-94-3	1,2,4,5-Tetrachlorobenzene	2780		330	25
108-60-1	2,2'-oxybis[1-chloropropane]	2560		330	14
58-90-2	2,3,4,6-Tetrachlorophenol	2900		330	31
95-95-4	2,4,5-Trichlorophenol	2700		330	33
88-06-2	2,4,6-Trichlorophenol	2700		130	9.4
120-83-2	2,4-Dichlorophenol	2600		130	7.8
105-67-9	2,4-Dimethylphenol	2600		330	73
51-28-5	2,4-Dinitrophenol	5930		270	250
121-14-2	2,4-Dinitrotoluene	3110		67	13
606-20-2	2,6-Dinitrotoluene	2920		67	18
91-58-7	2-Chloronaphthalene	2750		330	7.5
95-57-8	2-Chlorophenol	2500		330	8.4
91-57-6	2-Methylnaphthalene	2600		330	7.3
95-48-7	2-Methylphenol	2500		330	14
88-74-4	2-Nitroaniline	2980		330	11
88-75-5	2-Nitrophenol	2690		330	11
91-94-1	3,3'-Dichlorobenzidine	1490		130	37
99-09-2	3-Nitroaniline	1810		330	9.8
534-52-1	4,6-Dinitro-2-methylphenol	6370		270	88
101-55-3	4-Bromophenyl phenyl ether	2870		330	10
59-50-7	4-Chloro-3-methylphenol	2680		330	14
106-47-8	4-Chloroaniline	1250		330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	2860		330	9.9
106-44-5	4-Methylphenol	2490		330	9.0
100-01-6	4-Nitroaniline	2900		330	13
100-02-7	4-Nitrophenol	6040		670	160
83-32-9	Acenaphthene	2720		330	8.0
208-96-8	Acenaphthylene	2810		330	8.5
98-86-2	Acetophenone	2550		330	7.2
120-12-7	Anthracene	2920		330	31
56-55-3	Benzo[a]anthracene	2810		33	28
50-32-8	Benzo[a]pyrene	3140		33	10
205-99-2	Benzo[b]fluoranthene	3090		33	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-361064/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132440.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/08/2016 14:56</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>361481</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	2830		330	19
207-08-9	Benzo[k]fluoranthene	3120		33	14
111-91-1	Bis(2-chloroethoxy)methane	2760		330	10
111-44-4	Bis(2-chloroethyl)ether	2570		33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	3440		330	13
85-68-7	Butyl benzyl phthalate	3170		330	10
86-74-8	Carbazole	3020		330	8.2
218-01-9	Chrysene	3050		330	9.0
53-70-3	Dibenz(a,h)anthracene	2980		33	17
132-64-9	Dibenzofuran	2760		330	10
84-66-2	Diethyl phthalate	2980		330	9.4
131-11-3	Dimethyl phthalate	2950		330	9.6
84-74-2	Di-n-butyl phthalate	3430		330	9.9
117-84-0	Di-n-octyl phthalate	3340		330	17
206-44-0	Fluoranthene	3110		330	9.8
86-73-7	Fluorene	2780		330	7.2
118-74-1	Hexachlorobenzene	2820		33	13
87-68-3	Hexachlorobutadiene	2680		67	9.3
77-47-4	Hexachlorocyclopentadiene	3180		330	21
67-72-1	Hexachloroethane	2500		33	12
193-39-5	Indeno[1,2,3-cd]pyrene	2900		33	22
78-59-1	Isophorone	2880		130	7.1
91-20-3	Naphthalene	2670		330	8.4
98-95-3	Nitrobenzene	2730		33	10
621-64-7	N-Nitrosodi-n-propylamine	2830		33	11
86-30-6	N-Nitrosodiphenylamine	2880		330	30
87-86-5	Pentachlorophenol	6160		270	40
85-01-8	Phenanthrene	2820		330	8.8
108-95-2	Phenol	2500		330	11
129-00-0	Pyrene	2520		330	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-361064/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132440.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/08/2016 14:56</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>361481</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		10-95
321-60-8	2-Fluorobiphenyl	82		27-84
367-12-4	2-Fluorophenol (Surr)	74		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)	77		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\L132440.D
 Lims ID: LCS 460-361064/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Apr-2016 14:56:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039634-010
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160408-39634.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 16:36:04 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: croccom

Date: 08-Apr-2016 15:26:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.423	1.376	0.047	92	75006	50.0	23.3	
2 N-Nitrosodimethylamine	74	1.635	1.600	0.035	74	177957	50.0	39.3	
3 Pyridine	79	1.664	1.623	0.041	75	257558	50.0	33.8	
\$ 4 2-Fluorophenol	112	2.753	2.735	0.018	89	282017	50.0	36.8	
\$ 6 Phenol-d5	99	3.670	3.670	0.000	86	363074	50.0	36.8	
7 Phenol	94	3.688	3.688	0.000	97	383214	50.0	37.5	
8 Aniline	93	3.694	3.694	0.000	93	336110	50.0	29.5	
9 Bis(2-chloroethyl)ether	93	3.764	3.764	0.000	90	295411	50.0	38.5	
10 2-Chlorophenol	128	3.817	3.817	0.000	92	305045	50.0	37.5	
11 n-Decane	43	3.876	3.876	0.000	93	454048	50.0	33.7	
12 1,3-Dichlorobenzene	146	3.970	3.970	0.000	94	347254	50.0	37.3	
* 13 1,4-Dichlorobenzene-d4	152	4.023	4.023	0.000	97	237213	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.041	4.041	0.000	95	349906	50.0	37.6	
15 Benzyl alcohol	108	4.170	4.170	0.000	90	187163	50.0	41.6	
16 1,2-Dichlorobenzene	146	4.194	4.199	-0.005	95	331484	50.0	37.7	
17 2-Methylphenol	108	4.294	4.294	0.000	91	249757	50.0	37.5	
18 2,2'-oxybis[1-chloropropan	45	4.311	4.311	0.000	93	616277	50.0	38.4	
22 Acetophenone	105	4.441	4.441	0.000	95	358772	50.0	38.2	
21 N-Nitrosodi-n-propylamine	70	4.447	4.447	0.000	94	211061	50.0	42.4	
19 4-Methylphenol	108	4.452	4.458	-0.006	89	263104	50.0	37.3	
20 3 & 4 Methylphenol	108	4.452	4.458	-0.006	86	263104	50.0	37.3	
25 Hexachloroethane	117	4.535	4.541	-0.006	95	141881	50.0	37.5	
\$ 26 Nitrobenzene-d5	82	4.588	4.588	0.000	94	328550	50.0	40.1	
27 Nitrobenzene	77	4.611	4.611	0.000	90	435997	50.0	40.9	
28 n,n'-Dimethylaniline	120	4.611	4.617	-0.006	99	470215	50.0	41.7	
29 Isophorone	82	4.852	4.858	-0.006	98	519197	50.0	43.3	
30 2-Nitrophenol	139	4.929	4.935	-0.006	85	152949	50.0	40.3	
31 2,4-Dimethylphenol	122	4.988	4.994	-0.006	90	237849	50.0	39.0	
32 Bis(2-chloroethoxy)methane	93	5.082	5.082	0.000	94	325046	50.0	41.4	
33 Benzoic acid	122	5.105	5.105	0.000	92	80949	50.0	36.1	
34 2,4-Dichlorophenol	162	5.176	5.182	-0.006	94	222439	50.0	39.1	
35 1,2,4-Trichlorobenzene	180	5.258	5.264	-0.006	95	264141	50.0	39.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 36 Naphthalene-d8	136	5.311	5.311	0.000	99	808438	40.0	40.0	
37 Naphthalene	128	5.335	5.335	0.000	99	826514	50.0	40.1	
38 4-Chloroaniline	127	5.394	5.399	-0.005	96	140179	50.0	18.7	
39 Hexachlorobutadiene	225	5.470	5.476	-0.006	93	151697	50.0	40.2	
41 4-Chloro-3-methylphenol	107	5.899	5.899	0.000	97	205605	50.0	40.2	
42 2-Methylnaphthalene	142	6.029	6.035	-0.006	85	508461	50.0	39.0	
43 1-Methylnaphthalene	142	6.129	6.129	0.000	93	470093	50.0	41.4	
44 Hexachlorocyclopentadiene	237	6.199	6.199	0.000	96	147976	50.0	47.6	
45 1,2,4,5-Tetrachlorobenzene	216	6.205	6.205	0.000	97	227213	50.0	41.7	
46 2-tertbutyl-4-methylphenol	149	6.252	6.252	0.000	90	343811	50.0	41.0	
48 2,4,6-Trichlorophenol	196	6.323	6.323	0.000	90	140364	50.0	40.6	
49 2,4,5-Trichlorophenol	196	6.352	6.358	-0.006	96	143328	50.0	40.4	
\$ 50 2-Fluorobiphenyl	172	6.405	6.405	0.000	98	544018	50.0	40.9	
51 1,1'-Biphenyl	154	6.499	6.505	-0.006	96	567940	50.0	40.9	
52 2-Chloronaphthalene	162	6.511	6.517	-0.006	97	453138	50.0	41.2	
53 Phenyl ether	170	6.605	6.611	-0.006	88	316752	50.0	43.2	
54 2-Nitroaniline	65	6.623	6.623	0.000	96	173783	50.0	44.7	
55 1,3-Dimethylnaphthalene	156	6.735	6.741	-0.005	90	376542	50.0	44.3	
58 Dimethyl phthalate	163	6.811	6.817	-0.006	97	441491	50.0	44.2	
59 Coumarin	146	6.823	6.823	0.000	78	147533	50.0	46.3	
60 2,6-Dinitrotoluene	165	6.864	6.870	-0.006	93	103570	50.0	43.8	
61 Acenaphthylene	152	6.923	6.923	0.000	97	661399	50.0	42.2	
62 3-Nitroaniline	138	7.029	7.029	0.000	93	62112	50.0	27.2	
* 63 Acenaphthene-d10	164	7.064	7.064	0.000	93	356236	40.0	40.0	
65 Acenaphthene	154	7.093	7.099	-0.006	96	383252	50.0	40.8	
64 3,5-di-tert-butyl-4-hydrox	205	7.099	7.105	-0.006	98	386591	50.0	43.2	
66 2,4-Dinitrophenol	184	7.135	7.135	0.000	92	96255	100.0	88.9	
67 4-Nitrophenol	65	7.211	7.217	-0.006	93	158592	100.0	90.5	
68 2,4-Dinitrotoluene	165	7.264	7.264	0.000	93	124641	50.0	46.7	
69 Dibenzofuran	168	7.270	7.270	0.000	95	581875	50.0	41.4	
70 2,3,4,6-Tetrachlorophenol	232	7.393	7.399	-0.006	91	96885	50.0	43.6	
71 Diethyl phthalate	149	7.511	7.517	-0.006	97	406520	50.0	44.8	
74 Fluorene	166	7.605	7.605	0.000	95	449240	50.0	41.7	
73 4-Chlorophenyl phenyl ethe	204	7.611	7.611	0.000	86	203505	50.0	42.9	
75 4-Nitroaniline	138	7.629	7.635	-0.006	95	82122	50.0	43.5	
76 4,6-Dinitro-2-methylphenol	198	7.664	7.670	-0.006	81	134920	100.0	95.5	
77 N-Nitrosodiphenylamine	169	7.729	7.735	-0.006	68	307049	50.0	43.2	
78 1,2-Diphenylhydrazine	77	7.764	7.770	-0.006	99	470620	50.0	43.7	
\$ 79 2,4,6-Tribromophenol	330	7.840	7.846	-0.006	93	55725	50.0	42.8	
80 4-Bromophenyl phenyl ether	248	8.088	8.093	-0.005	84	108414	50.0	43.1	
81 Hexachlorobenzene	284	8.152	8.152	0.000	99	108289	50.0	42.3	
83 Pentachlorophenol	266	8.346	8.346	0.000	91	116821	100.0	92.5	
84 Pentachloronitrobenzene	237	8.358	8.364	-0.006	84	51013	50.0	49.1	
72 n-Octadecane	57	8.446	8.446	0.000	91	398314	50.0	40.6	
* 85 Phenanthrene-d10	188	8.523	8.523	0.000	99	442298	40.0	40.0	
86 Phenanthrene	178	8.546	8.546	0.000	98	541998	50.0	42.2	
87 Anthracene	178	8.593	8.599	-0.006	98	562666	50.0	43.8	
88 Carbazole	167	8.752	8.758	-0.006	96	470415	50.0	45.3	
89 Di-n-butyl phthalate	149	9.111	9.117	-0.006	100	563111	50.0	51.5	
90 Fluoranthene	202	9.705	9.711	-0.006	97	493168	50.0	46.6	
91 Benzidine	184	9.840	9.852	-0.012	99	96562	50.0	26.7	
92 Pyrene	202	9.929	9.934	-0.005	97	490173	50.0	37.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Bisphenol-A	213	9.987	9.993	-0.006	99	81456	25.0	21.8	
\$ 94 Terphenyl-d14	244	10.087	10.093	-0.006	99	310879	50.0	38.6	
95 Butyl benzyl phthalate	149	10.599	10.605	-0.006	98	204516	50.0	47.6	
97 Carbamazepine	193	10.705	10.711	-0.006	93	142498	50.0	39.5	
98 3,3'-Dichlorobenzidine	252	11.181	11.193	-0.012	99	58429	50.0	22.3	
99 Benzo[a]anthracene	228	11.205	11.211	-0.006	99	365496	50.0	42.1	
* 100 Chrysene-d12	240	11.217	11.217	0.000	99	284482	40.0	40.0	
101 Chrysene	228	11.246	11.252	-0.006	99	352984	50.0	45.7	
102 Bis(2-ethylhexyl) phthalat	149	11.270	11.276	-0.006	89	275981	50.0	51.6	
103 Di-n-octyl phthalate	149	12.093	12.099	-0.006	97	429706	50.0	50.2	
104 Benzo[b]fluoranthene	252	12.552	12.564	-0.012	98	307964	50.0	46.4	
105 Benzo[k]fluoranthene	252	12.593	12.599	-0.006	99	321592	50.0	46.8	
106 Benzo[a]pyrene	252	12.981	12.993	-0.012	96	293982	50.0	47.1	
* 107 Perylene-d12	264	13.058	13.058	0.000	96	235858	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.469	14.487	-0.018	98	275847	50.0	43.5	
109 Dibenz(a,h)anthracene	278	14.505	14.516	-0.011	96	275606	50.0	44.8	
110 Benzo[g,h,i]perylene	276	14.811	14.828	-0.017	95	292205	50.0	42.4	

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

Operator ID:

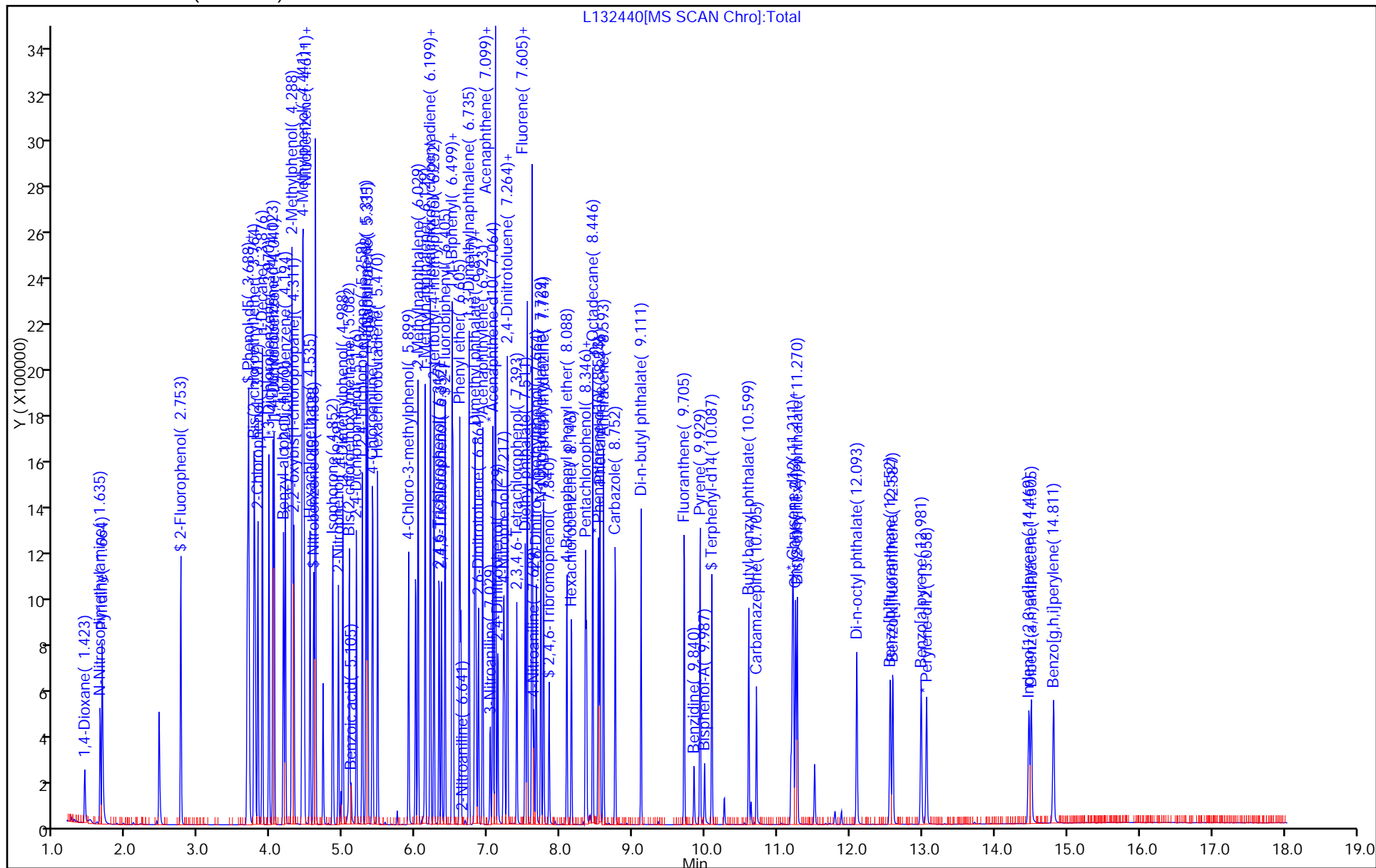
Worklist Smp#: 10

Client ID:

ALS Bottle#: 10

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-361064/3-A
 Matrix: Solid Lab File ID: L132503.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/06/2016 10:38
 Sample wt/vol: 15.0000(g) Date Analyzed: 04/07/2016 22:22
 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.: 361342 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	7360		130	15
100-52-7	Benzaldehyde	6100		330	25
105-60-2	Caprolactam	8540		330	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	100	*	10-95
321-60-8	2-Fluorobiphenyl	87	*	27-84
367-12-4	2-Fluorophenol (Surr)	90	*	21-84
4165-60-0	Nitrobenzene-d5 (Surr)	90		28-92
4165-62-2	Phenol-d5 (Surr)	95	*	22-88
1718-51-0	Terphenyl-d14 (Surr)	86		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\L132503.D
 Lims ID: LCS 460-361064/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 07-Apr-2016 22:22:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039595-006
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160407-39595.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Apr-2016 14:48:17 Calib Date: 06-Apr-2016 09:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160406-39517.b\L132428.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK018

First Level Reviewer: manlangitf

Date: 08-Apr-2016 05:11:44

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	2.769	2.763	0.006	90	205932	50.0	45.2	
5 Benzaldehyde	77	3.610	3.610	0.000	92	374978	100.0	91.5	
\$ 6 Phenol-d5	99	3.687	3.704	-0.017	86	277923	50.0	47.5	
* 13 1,4-Dichlorobenzene-d4	152	4.051	4.051	0.000	97	140881	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.610	4.622	-0.012	94	251021	50.0	44.8	
* 36 Naphthalene-d8	136	5.340	5.340	0.000	99	552521	40.0	40.0	
40 Caprolactam	113	5.763	5.757	0.006	86	133147	100.0	128.0	E
\$ 50 2-Fluorobiphenyl	172	6.428	6.434	-0.006	98	468507	50.0	43.3	
* 63 Acenaphthene-d10	164	7.087	7.092	-0.006	94	289726	40.0	40.0	
\$ 79 2,4,6-Tribromophenol	330	7.863	7.869	-0.006	91	53239	50.0	50.1	
82 Atrazine	200	8.292	8.286	0.006	88	245991	100.0	110.3	
* 85 Phenanthrene-d10	188	8.545	8.545	0.000	99	441000	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.116	10.116	0.000	99	426595	50.0	42.9	
* 100 Chrysene-d12	240	11.239	11.245	-0.006	98	351322	40.0	40.0	
* 107 Perylene-d12	264	13.086	13.092	-0.006	96	283390	40.0	40.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160407-39595.b\\L132503.D

Injection Date: 07-Apr-2016 22:22:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: LCS 460-361064/3-A

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

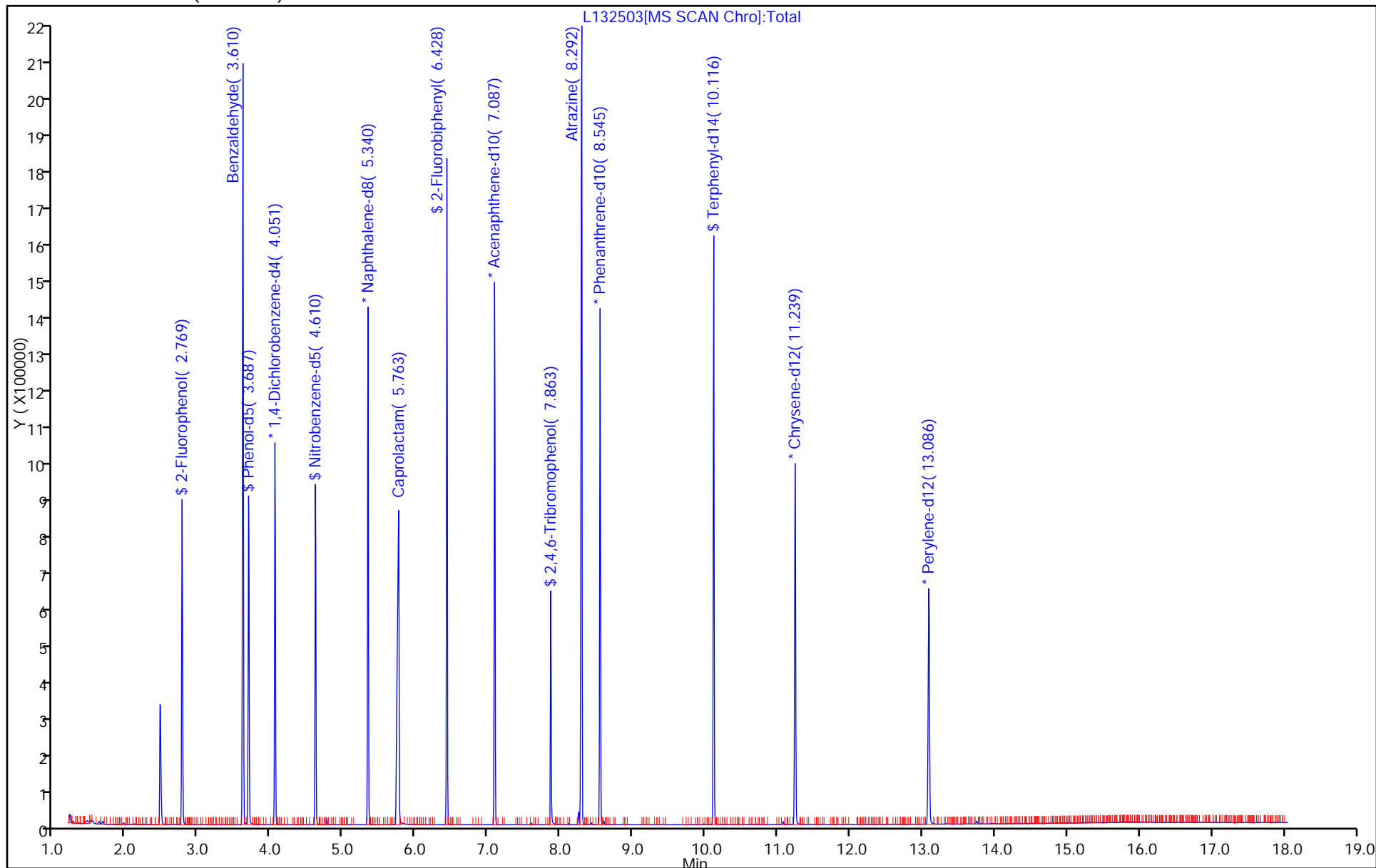
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D3 MS</u>	Lab Sample ID: <u>460-111496-3 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12742.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0228(g)</u>	Date Analyzed: <u>04/12/2016 14:53</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2840		710	61
95-94-3	1,2,4,5-Tetrachlorobenzene	2520		710	53
108-60-1	2,2'-oxybis[1-chloropropane]	2400		710	29
58-90-2	2,3,4,6-Tetrachlorophenol	1820		710	67
95-95-4	2,4,5-Trichlorophenol	2000		710	71
88-06-2	2,4,6-Trichlorophenol	2170		290	20
120-83-2	2,4-Dichlorophenol	2190		290	17
105-67-9	2,4-Dimethylphenol	2480		710	160
51-28-5	2,4-Dinitrophenol	736		570	540
121-14-2	2,4-Dinitrotoluene	2160		140	28
606-20-2	2,6-Dinitrotoluene	2500		140	38
91-58-7	2-Chloronaphthalene	2700		710	16
95-57-8	2-Chlorophenol	2320		710	18
91-57-6	2-Methylnaphthalene	2360		710	16
95-48-7	2-Methylphenol	2340		710	31
88-74-4	2-Nitroaniline	2540		710	23
88-75-5	2-Nitrophenol	1830		710	24
91-94-1	3,3'-Dichlorobenzidine	1940		290	79
99-09-2	3-Nitroaniline	2270		710	21
534-52-1	4,6-Dinitro-2-methylphenol	1190		570	190
101-55-3	4-Bromophenyl phenyl ether	2670		710	22
59-50-7	4-Chloro-3-methylphenol	2250		710	31
106-47-8	4-Chloroaniline	1300		710	18
7005-72-3	4-Chlorophenyl phenyl ether	2500		710	21
106-44-5	4-Methylphenol	2310		710	19
100-01-6	4-Nitroaniline	2160		710	27
100-02-7	4-Nitrophenol	3560		1400	340
83-32-9	Acenaphthene	2450		710	17
208-96-8	Acenaphthylene	2640		710	18
98-86-2	Acetophenone	2390		710	15
120-12-7	Anthracene	2920		710	68
1912-24-9	Atrazine	6240		290	32
100-52-7	Benzaldehyde	4070		710	54
56-55-3	Benzo[a]anthracene	3070		71	59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D3 MS</u>	Lab Sample ID: <u>460-111496-3 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12742.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0228(g)</u>	Date Analyzed: <u>04/12/2016 14:53</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	3100		71	22
205-99-2	Benzo[b]fluoranthene	3270		71	28
191-24-2	Benzo[g,h,i]perylene	2340		710	41
207-08-9	Benzo[k]fluoranthene	2580		71	31
111-91-1	Bis(2-chloroethoxy)methane	2930		710	22
111-44-4	Bis(2-chloroethyl)ether	2340		71	17
117-81-7	Bis(2-ethylhexyl) phthalate	2480		710	28
85-68-7	Butyl benzyl phthalate	2430		710	22
105-60-2	Caprolactam	4350		710	51
86-74-8	Carbazole	2740		710	18
218-01-9	Chrysene	3110		710	19
53-70-3	Dibenz(a,h)anthracene	2620		71	37
132-64-9	Dibenzofuran	2560		710	22
84-66-2	Diethyl phthalate	3190		710	20
131-11-3	Dimethyl phthalate	3300		710	21
84-74-2	Di-n-butyl phthalate	3300		710	21
117-84-0	Di-n-octyl phthalate	1890		710	36
206-44-0	Fluoranthene	4070		710	21
86-73-7	Fluorene	2460		710	15
118-74-1	Hexachlorobenzene	2370		71	29
87-68-3	Hexachlorobutadiene	2400		140	20
77-47-4	Hexachlorocyclopentadiene	854		710	44
67-72-1	Hexachloroethane	1970		71	26
193-39-5	Indeno[1,2,3-cd]pyrene	3070		71	47
78-59-1	Isophorone	2790		290	15
91-20-3	Naphthalene	2510		710	18
98-95-3	Nitrobenzene	2440		71	22
621-64-7	N-Nitrosodi-n-propylamine	2390		71	24
86-30-6	N-Nitrosodiphenylamine	2900		710	65
87-86-5	Pentachlorophenol	3640		570	86
85-01-8	Phenanthrene	3000		710	19
108-95-2	Phenol	134	J	710	23
129-00-0	Pyrene	2520		710	32

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D3 MS</u>	Lab Sample ID: <u>460-111496-3 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12742.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0228(g)</u>	Date Analyzed: <u>04/12/2016 14:53</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	48		10-95
321-60-8	2-Fluorobiphenyl	74		27-84
367-12-4	2-Fluorophenol (Surr)	62		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	67		28-92
4165-62-2	Phenol-d5 (Surr)	61		22-88
1718-51-0	Terphenyl-d14 (Surr)	50		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12742.D
 Lims ID: 460-111496-A-3-A MS
 Client ID: D3
 Sample Type: MS
 Inject. Date: 12-Apr-2016 14:53:30 ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0039742-028
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 17:13:19 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: croccom

Date: 12-Apr-2016 15:30:44

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	1.871	1.818	0.053	97	167866	25.0	12.9	
2 N-Nitrosodimethylamine	74	2.089	2.054	0.035	72	342386	25.0	18.9	
3 Pyridine	79	2.130	2.083	0.047	80	372258	25.0	11.9	
\$ 4 2-Fluorophenol	112	3.236	3.218	0.018	95	572318	25.0	15.4	
5 Benzaldehyde	77	4.071	4.071	0.000	90	808139	50.0	28.4	
\$ 6 Phenol-d5	99	4.124	4.142	-0.018	85	642367	25.0	15.1	
7 Phenol	94	4.171	4.159	0.012	78	37522	25.0	0.9325	
8 Aniline	93	4.171	4.183	-0.012	98	363276	25.0	7.44	
9 Bis(2-chloroethyl)ether	93	4.230	4.248	-0.018	96	526051	25.0	16.3	
10 Benzonitrile	103	4.253	4.277	-0.024	67	1134325	NC	NC	
11 2-Chlorophenol	128	4.294	4.306	-0.012	94	562506	25.0	16.1	
12 n-Decane	43	4.347	4.353	-0.006	93	726162	25.0	16.4	
13 1,3-Dichlorobenzene	146	4.447	4.453	-0.006	95	715209	25.0	16.2	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1024866	20.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.524	0.000	95	698708	25.0	16.1	
16 Benzyl alcohol	108	4.636	4.648	-0.012	93	373702	25.0	17.3	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	95	666121	25.0	16.1	
18 2-Methylphenol	108	4.747	4.759	-0.012	89	496514	25.0	16.3	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	91	875719	25.0	16.7	
20 N-Methylaniline	106	4.894	4.906	-0.012	84	722769	NC	NC	
21 Acetophenone	105	4.906	4.918	-0.012	88	621684	25.0	16.7	
24 4-Methylphenol	108	4.900	4.924	-0.024	74	482231	25.0	16.1	
23 3 & 4 Methylphenol	108	4.900	4.924	-0.024	79	482231	25.0	16.1	
22 N-Nitrosodi-n-propylamine	70	4.906	4.942	-0.036	95	356139	25.0	16.6	
29 2-Toluidine	107	4.894	4.968	-0.074	95	1025749		NC	
25 Hexachloroethane	117	5.018	5.018	0.000	88	214487	25.0	13.7	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	92	554219	25.0	16.8	
28 Nitrobenzene	77	5.077	5.089	-0.012	89	708562	25.0	17.0	
27 n,n'-Dimethylaniline	120	5.083	5.095	-0.012	93	799229	25.0	15.1	
31 Isophorone	82	5.312	5.336	-0.024	98	989725	25.0	19.5	
32 2-Nitrophenol	139	5.394	5.406	-0.012	87	200786	25.0	12.8	
33 2,4-Dimethylphenol	122	5.441	5.447	-0.006	90	446097	25.0	17.3	

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	5.530	5.542	-0.012	97	554860	25.0	20.4	
35 Benzoic acid	122	5.553	5.595	-0.041	90	29789	25.0	4.68	
36 2,4-Dichlorophenol	162	5.641	5.647	-0.006	95	408871	25.0	15.2	
37 1,2,4-Trichlorobenzene	180	5.730	5.730	0.000	94	539327	25.0	16.5	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	3130570	20.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	99	1442480	25.0	17.5	
40 4-Chloroaniline	127	5.853	5.865	-0.012	96	286710	25.0	9.07	
41 Hexachlorobutadiene	225	5.936	5.942	-0.006	96	372205	25.0	16.7	
42 Caprolactam	113	6.194	6.188	0.006	89	182453	50.0	30.3	
43 4-Chloro-3-methylphenol	107	6.347	6.347	0.000	97	331147	25.0	15.7	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	85	940680	25.0	16.5	
45 1-Methylnaphthalene	142	6.600	6.600	0.000	93	865428	25.0	17.7	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	96	118408	25.0	5.96	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	465511	25.0	17.6	
48 2-tertbutyl-4-methylphenol	149	6.694	6.700	-0.006	91	645206	25.0	17.3	
49 2,4,6-Trichlorophenol	196	6.783	6.783	0.000	90	222285	25.0	15.2	
50 2,4,5-Trichlorophenol	196	6.818	6.818	0.000	97	207353	25.0	13.9	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	1068899	25.0	18.5	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	93	1127418	25.0	19.8	
53 2-Chloronaphthalene	162	6.983	6.989	-0.006	99	805827	25.0	18.8	
54 Phenyl ether	170	7.065	7.071	-0.006	87	637439	25.0	20.5	
56 2-Nitroaniline	65	7.083	7.089	-0.006	98	230791	25.0	17.7	
57 1,3-Dimethylnaphthalene	156	7.200	7.206	-0.006	94	701020	25.0	20.2	
58 Dimethyl phthalate	163	7.265	7.277	-0.012	100	911451	25.0	23.0	
59 Coumarin	146	7.288	7.300	-0.012	79	260374	25.0	18.9	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	95	154531	25.0	17.4	
61 Acenaphthylene	152	7.394	7.400	-0.006	98	1092364	25.0	18.4	
64 3-Nitroaniline	138	7.488	7.500	-0.012	93	140371	25.0	15.8	
* 65 Acenaphthene-d10	164	7.535	7.535	0.000	91	1359655	20.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.553	7.565	-0.012	97	673127	25.0	13.7	
67 Acenaphthene	154	7.571	7.577	-0.006	92	673315	25.0	17.1	
68 2,4-Dinitrophenol	184	7.588	7.600	-0.012	1	8122	50.0	5.13	
69 4-Nitrophenol	65	7.653	7.665	-0.012	90	130374	50.0	24.8	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	98	150114	25.0	15.1	
71 Dibenzofuran	168	7.741	7.747	-0.006	95	1005804	25.0	17.8	
72 2,3,4,6-Tetrachlorophenol	232	7.865	7.865	0.000	97	145675	25.0	12.7	
73 Diethyl phthalate	149	7.959	7.971	-0.012	99	764471	25.0	22.3	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.077	0.000	91	404884	25.0	17.5	
75 Fluorene	166	8.077	8.083	-0.006	95	695761	25.0	17.1	
76 4-Nitroaniline	138	8.088	8.106	-0.018	89	105890	25.0	15.0	
77 4,6-Dinitro-2-methylphenol	198	8.124	8.136	-0.012	90	30458	50.0	8.31	
78 N-Nitrosodiphenylamine	169	8.188	8.200	-0.012	67	515939	25.0	20.2	
79 1,2-Diphenylhydrazine	77	8.230	8.236	-0.006	97	627811	25.0	21.9	
\$ 80 2,4,6-Tribromophenol	330	8.318	8.324	-0.006	90	135746	25.0	12.1	
63 2-Naphthylamine	143	8.429	8.385	0.044	46	195		NC	
62 1-Naphthylamine	143	8.312	8.385	-0.073	51	26743		NC	
81 4-Bromophenyl phenyl ether	248	8.559	8.559	0.000	94	238437	25.0	18.6	
83 Hexachlorobenzene	284	8.629	8.630	-0.001	94	252496	25.0	16.5	
84 Atrazine	200	8.718	8.718	0.000	95	357472	50.0	43.5	
85 Pentachlorophenol	266	8.818	8.818	0.000	95	182105	50.0	25.4	
86 Pentachloronitrobenzene	237	8.835	8.835	0.000	93	80451	25.0	16.6	
87 n-Octadecane	57	8.894	8.894	0.000	98	445409	25.0	21.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	9.006	9.000	0.006	97	1608817	20.0	40.0	
89 Phenanthrene	178	9.024	9.030	-0.006	97	941049	25.0	20.9	
90 Anthracene	178	9.077	9.083	-0.007	99	923423	25.0	20.3	
91 Carbazole	167	9.229	9.235	-0.006	96	639356	25.0	19.1	
92 Di-n-butyl phthalate	149	9.571	9.571	0.000	100	895188	25.0	23.0	
93 Fluoranthene	202	10.200	10.200	0.000	98	1107038	25.0	28.4	
94 Benzidine	184	10.335	10.329	0.006	94	5460	25.0	0.3781	
95 Pyrene	202	10.429	10.429	0.000	99	1032939	25.0	17.6	
82 Bisphenol-A	213	10.476	10.465	0.011	99	155253	12.5	12.6	
\$ 96 Terphenyl-d14	244	10.588	10.588	0.000	98	588616	25.0	12.4	
97 Butyl benzyl phthalate	149	11.123	11.124	-0.001	96	302885	25.0	17.0	
99 Carbamazepine	193	11.259	11.253	0.006	91	185357	25.0	13.9	
100 3,3'-Dichlorobenzidine	252	11.770	11.771	-0.001	98	203476	25.0	13.5	
101 Benzo[a]anthracene	228	11.806	11.800	0.006	96	945294	25.0	21.4	
* 102 Chrysene-d12	240	11.823	11.812	0.011	98	1525963	20.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.835	0.006	89	403774	25.0	17.3	
103 Chrysene	228	11.853	11.853	0.000	100	863544	25.0	21.7	
105 Di-n-octyl phthalate	149	12.723	12.718	0.005	98	720239	25.0	13.2	
106 Benzo[b]fluoranthene	252	13.253	13.247	0.006	97	1262974	25.0	22.8	
107 Benzo[k]fluoranthene	252	13.294	13.288	0.006	97	1073063	25.0	18.0	
108 Benzo[a]pyrene	252	13.712	13.706	0.006	98	1076520	25.0	21.6	
* 109 Perylene-d12	264	13.794	13.782	0.012	98	2108116	20.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.394	15.382	0.012	96	910040	25.0	21.4	
111 Dibenz(a,h)anthracene	278	15.429	15.417	0.012	98	851602	25.0	18.2	
112 Benzo[g,h,i]perylene	276	15.847	15.835	0.012	95	852777	25.0	16.3	
S 119 Total Cresols	1				0			32.4	
126 4,4'-DDD	235	7.859	7.798	0.061	54	4947		NR	7
127 4,4'-DDT	235	8.153	8.116	0.037	1	41		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

Operator ID:

Worklist Smp#: 28

Client ID: D3

Injection Vol: 1.0 ul

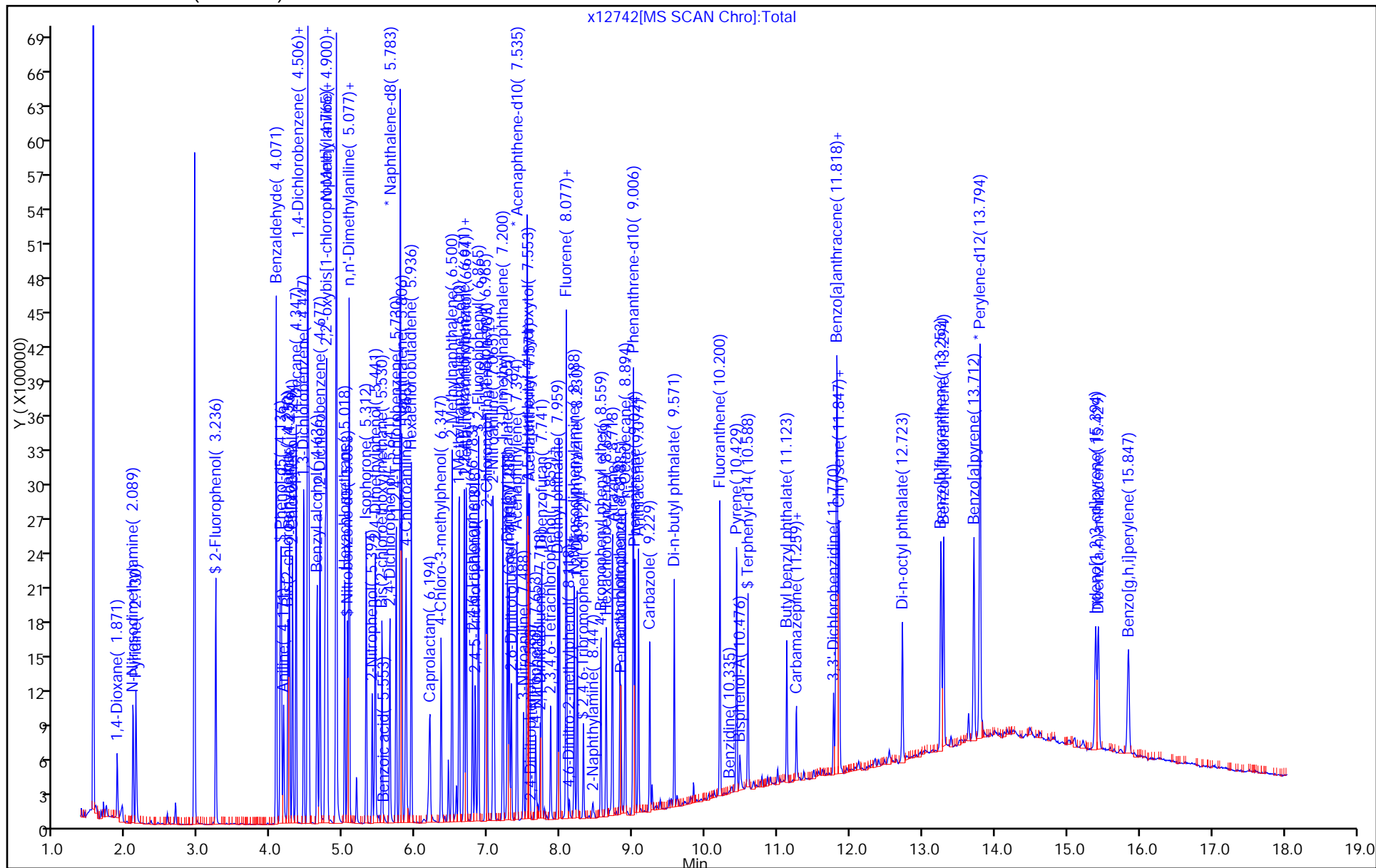
Dil. Factor: 2.0000

ALS Bottle#: 28

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D3 MSD</u>	Lab Sample ID: <u>460-111496-3 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12743.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0114(g)</u>	Date Analyzed: <u>04/12/2016 15:17</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2700		710	61
95-94-3	1,2,4,5-Tetrachlorobenzene	2430		710	53
108-60-1	2,2'-oxybis[1-chloropropane]	2190		710	29
58-90-2	2,3,4,6-Tetrachlorophenol	1730		710	67
95-95-4	2,4,5-Trichlorophenol	1930		710	71
88-06-2	2,4,6-Trichlorophenol	2090		290	20
120-83-2	2,4-Dichlorophenol	2120		290	17
105-67-9	2,4-Dimethylphenol	2450		710	160
51-28-5	2,4-Dinitrophenol	638		570	540
121-14-2	2,4-Dinitrotoluene	2230		140	28
606-20-2	2,6-Dinitrotoluene	2500		140	38
91-58-7	2-Chloronaphthalene	2600		710	16
95-57-8	2-Chlorophenol	2260		710	18
91-57-6	2-Methylnaphthalene	2380		710	16
95-48-7	2-Methylphenol	2320		710	31
88-74-4	2-Nitroaniline	2450		710	23
88-75-5	2-Nitrophenol	1690		710	24
91-94-1	3,3'-Dichlorobenzidine	1910		290	79
99-09-2	3-Nitroaniline	2350		710	21
534-52-1	4,6-Dinitro-2-methylphenol	1020		570	190
101-55-3	4-Bromophenyl phenyl ether	2620		710	22
59-50-7	4-Chloro-3-methylphenol	2220		710	31
106-47-8	4-Chloroaniline	1210		710	18
7005-72-3	4-Chlorophenyl phenyl ether	2520		710	21
106-44-5	4-Methylphenol	2350		710	19
100-01-6	4-Nitroaniline	2220		710	27
100-02-7	4-Nitrophenol	3290		1400	340
83-32-9	Acenaphthene	2700		710	17
208-96-8	Acenaphthylene	2580		710	18
98-86-2	Acetophenone	2330		710	16
120-12-7	Anthracene	3550		710	68
1912-24-9	Atrazine	6360		290	32
100-52-7	Benzaldehyde	3970		710	54
56-55-3	Benzo[a]anthracene	5120		71	59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111496-1</u>
SDG No.: _____	
Client Sample ID: <u>D3 MSD</u>	Lab Sample ID: <u>460-111496-3 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12743.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>03/30/2016 14:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/06/2016 10:38</u>
Sample wt/vol: <u>15.0114(g)</u>	Date Analyzed: <u>04/12/2016 15:17</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362028</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	5100		71	22
205-99-2	Benzo[b]fluoranthene	5710		71	28
191-24-2	Benzo[g,h,i]perylene	3030		710	41
207-08-9	Benzo[k]fluoranthene	3490		71	31
111-91-1	Bis(2-chloroethoxy)methane	2800		710	22
111-44-4	Bis(2-chloroethyl)ether	2280		71	17
117-81-7	Bis(2-ethylhexyl) phthalate	2480		710	28
85-68-7	Butyl benzyl phthalate	2390		710	22
105-60-2	Caprolactam	4410		710	51
86-74-8	Carbazole	2680		710	18
218-01-9	Chrysene	5100		710	19
53-70-3	Dibenz(a,h)anthracene	2720		71	37
132-64-9	Dibenzofuran	2710		710	22
84-66-2	Diethyl phthalate	3180		710	20
131-11-3	Dimethyl phthalate	3240		710	21
84-74-2	Di-n-butyl phthalate	3170		710	21
117-84-0	Di-n-octyl phthalate	1930		710	36
206-44-0	Fluoranthene	8440		710	21
86-73-7	Fluorene	2730		710	16
118-74-1	Hexachlorobenzene	2340		71	29
87-68-3	Hexachlorobutadiene	2280		140	20
77-47-4	Hexachlorocyclopentadiene	800		710	44
67-72-1	Hexachloroethane	1830		71	26
193-39-5	Indeno[1,2,3-cd]pyrene	4160		71	47
78-59-1	Isophorone	2610		290	15
91-20-3	Naphthalene	2490		710	18
98-95-3	Nitrobenzene	2260		71	22
621-64-7	N-Nitrosodi-n-propylamine	2260		71	24
86-30-6	N-Nitrosodiphenylamine	2900		710	65
87-86-5	Pentachlorophenol	3330		570	86
85-01-8	Phenanthrene	5830		710	19
108-95-2	Phenol	2270		710	23
129-00-0	Pyrene	5280		710	32

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111496-1
SDG No.: _____
Client Sample ID: D3 MSD Lab Sample ID: 460-111496-3 MSD
Matrix: Solid Lab File ID: x12743.D
Analysis Method: 8270D Date Collected: 03/30/2016 14:10
Extract. Method: 3546 Date Extracted: 04/06/2016 10:38
Sample wt/vol: 15.0114(g) Date Analyzed: 04/12/2016 15:17
Con. Extract Vol.: 1(mL) Dilution Factor: 2
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 362028 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	46		10-95
321-60-8	2-Fluorobiphenyl	73		27-84
367-12-4	2-Fluorophenol (Surr)	60		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	63		28-92
4165-62-2	Phenol-d5 (Surr)	60		22-88
1718-51-0	Terphenyl-d14 (Surr)	52		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12743.D
 Lims ID: 460-111496-A-3-B MSD
 Client ID: D3
 Sample Type: MSD
 Inject. Date: 12-Apr-2016 15:17:30 ALS Bottle#: 29 Worklist Smp#: 29
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0039742-029
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 12-Apr-2016 17:13:19 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: croccom

Date: 12-Apr-2016 16:52:56

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	1.871	1.818	0.053	97	166648	25.0	11.7	
2 N-Nitrosodimethylamine	74	2.089	2.054	0.035	71	347223	25.0	17.5	
3 Pyridine	79	2.130	2.083	0.047	81	359700	25.0	10.6	
\$ 4 2-Fluorophenol	112	3.236	3.218	0.018	95	611525	25.0	15.0	
5 Benzaldehyde	77	4.071	4.071	0.000	90	861990	50.0	27.7	
\$ 6 Phenol-d5	99	4.124	4.142	-0.018	85	700694	25.0	15.1	
7 Phenol	94	4.142	4.159	-0.017	98	695792	25.0	15.8	
8 Aniline	93	4.171	4.183	-0.012	99	367214	25.0	6.88	
9 Bis(2-chloroethyl)ether	93	4.230	4.248	-0.018	96	560599	25.0	15.9	
10 Benzonitrile	103	4.253	4.277	-0.024	67	1206304	NC	NC	
11 2-Chlorophenol	128	4.294	4.306	-0.012	94	600508	25.0	15.8	
12 n-Decane	43	4.347	4.353	-0.006	92	713834	25.0	14.7	
13 1,3-Dichlorobenzene	146	4.447	4.453	-0.006	96	763287	25.0	15.8	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1120106	20.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.524	0.000	95	742555	25.0	15.7	
16 Benzyl alcohol	108	4.636	4.648	-0.012	93	386161	25.0	16.3	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	96	720139	25.0	16.0	
18 2-Methylphenol	108	4.747	4.759	-0.012	90	538075	25.0	16.2	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	92	885774	25.0	15.2	
20 N-Methylaniline	106	4.894	4.906	-0.012	84	787519	NC	NC	
21 Acetophenone	105	4.906	4.918	-0.012	90	662930	25.0	16.3	
24 4-Methylphenol	108	4.900	4.924	-0.024	74	536078	25.0	16.4	
23 3 & 4 Methylphenol	108	4.900	4.924	-0.024	79	536078	25.0	16.4	
22 N-Nitrosodi-n-propylamine	70	4.906	4.942	-0.036	84	367510	25.0	15.7	
29 2-Toluidine	107	4.894	4.968	-0.074	95	1122720		NC	
25 Hexachloroethane	117	5.018	5.018	0.000	87	218244	25.0	12.8	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	92	592720	25.0	15.9	
28 Nitrobenzene	77	5.077	5.089	-0.012	91	745061	25.0	15.7	
27 n,n'-Dimethylaniline	120	5.083	5.095	-0.012	92	893197	25.0	15.5	
31 Isophorone	82	5.312	5.336	-0.024	98	1049781	25.0	18.2	
32 2-Nitrophenol	139	5.394	5.406	-0.012	90	209753	25.0	11.8	
33 2,4-Dimethylphenol	122	5.441	5.447	-0.006	91	501797	25.0	17.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.530	5.542	-0.012	98	601930	25.0	19.5	
35 Benzoic acid	122	5.565	5.595	-0.029	92	17622	25.0	3.50	
36 2,4-Dichlorophenol	162	5.641	5.647	-0.006	96	450759	25.0	14.8	
37 1,2,4-Trichlorobenzene	180	5.730	5.730	0.000	94	598680	25.0	16.1	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	3555458	20.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	100	1627210	25.0	17.4	
40 4-Chloroaniline	127	5.859	5.865	-0.006	96	302317	25.0	8.42	
41 Hexachlorobutadiene	225	5.936	5.942	-0.006	96	401556	25.0	15.9	
42 Caprolactam	113	6.194	6.188	0.006	90	210097	50.0	30.8	
43 4-Chloro-3-methylphenol	107	6.347	6.347	0.000	96	370687	25.0	15.5	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	86	1074590	25.0	16.6	
45 1-Methylnaphthalene	142	6.600	6.600	0.000	94	984163	25.0	17.7	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	96	131963	25.0	5.58	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	532658	25.0	16.9	
48 2-tertbutyl-4-methylphenol	149	6.700	6.700	0.000	91	735667	25.0	17.3	
49 2,4,6-Trichlorophenol	196	6.783	6.783	0.000	91	253638	25.0	14.5	
50 2,4,5-Trichlorophenol	196	6.818	6.818	0.000	97	237937	25.0	13.4	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	1257818	25.0	18.3	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	94	1272501	25.0	18.8	
53 2-Chloronaphthalene	162	6.983	6.989	-0.006	99	924599	25.0	18.1	
54 Phenyl ether	170	7.071	7.071	0.000	86	743701	25.0	20.1	
56 2-Nitroaniline	65	7.083	7.089	-0.006	98	264660	25.0	17.1	
57 1,3-Dimethylnaphthalene	156	7.200	7.206	-0.006	93	833066	25.0	20.1	
58 Dimethyl phthalate	163	7.265	7.277	-0.012	99	1066881	25.0	22.6	
59 Coumarin	146	7.288	7.300	-0.012	79	309507	25.0	19.8	
60 2,6-Dinitrotoluene	165	7.324	7.330	-0.006	96	183621	25.0	17.4	
61 Acenaphthylene	152	7.394	7.400	-0.006	98	1272035	25.0	18.0	
64 3-Nitroaniline	138	7.488	7.500	-0.012	94	172608	25.0	16.3	
* 65 Acenaphthene-d10	164	7.535	7.535	0.000	91	1618858	20.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.553	7.565	-0.012	96	789144	25.0	13.4	
67 Acenaphthene	154	7.571	7.577	-0.006	92	883918	25.0	18.8	
68 2,4-Dinitrophenol	184	7.594	7.600	-0.006	70	6467	50.0	4.44	
69 4-Nitrophenol	65	7.653	7.665	-0.012	91	143143	50.0	22.9	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	97	183883	25.0	15.5	
71 Dibenzofuran	168	7.741	7.747	-0.006	96	1266218	25.0	18.8	
72 2,3,4,6-Tetrachlorophenol	232	7.865	7.865	0.000	96	164332	25.0	12.1	
73 Diethyl phthalate	149	7.959	7.971	-0.012	99	905442	25.0	22.2	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.077	0.000	92	484233	25.0	17.5	
75 Fluorene	166	8.077	8.083	-0.006	95	919307	25.0	19.0	
76 4-Nitroaniline	138	8.088	8.106	-0.018	88	129734	25.0	15.5	
77 4,6-Dinitro-2-methylphenol	198	8.124	8.136	-0.012	94	29831	50.0	7.08	
78 N-Nitrosodiphenylamine	169	8.188	8.200	-0.012	66	635005	25.0	20.2	
79 1,2-Diphenylhydrazine	77	8.230	8.236	-0.006	96	717397	25.0	20.3	
\$ 80 2,4,6-Tribromophenol	330	8.318	8.324	-0.006	90	154782	25.0	11.6	
63 2-Naphthylamine	143	8.453	8.385	0.068	43	336		NC	
62 1-Naphthylamine	143	8.388	8.385	0.003	50	419		NC	
81 4-Bromophenyl phenyl ether	248	8.559	8.559	0.000	95	287836	25.0	18.3	
83 Hexachlorobenzene	284	8.629	8.630	-0.001	93	307622	25.0	16.3	
84 Atrazine	200	8.718	8.718	0.000	95	447538	50.0	44.3	
85 Pentachlorophenol	266	8.818	8.818	0.000	95	205148	50.0	23.2	
86 Pentachloronitrobenzene	237	8.835	8.835	0.000	92	97432	25.0	16.3	
87 n-Octadecane	57	8.894	8.894	0.000	97	490114	25.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	9.006	9.000	0.006	97	1979692	20.0	40.0	
89 Phenanthrene	178	9.029	9.030	-0.001	96	2249283	25.0	40.6	
90 Anthracene	178	9.077	9.083	-0.007	99	1381943	25.0	24.7	
91 Carbazole	167	9.229	9.235	-0.006	96	770641	25.0	18.7	
92 Di-n-butyl phthalate	149	9.571	9.571	0.000	100	1057752	25.0	22.1	
93 Fluoranthene	202	10.206	10.200	0.006	99	2823517	25.0	58.8	
94 Benzidine	184	10.329	10.329	0.000	94	10506	25.0	0.5913	
95 Pyrene	202	10.435	10.429	0.006	99	2467742	25.0	36.8	
82 Bisphenol-A	213	10.476	10.465	0.011	99	171796	12.5	12.3	
\$ 96 Terphenyl-d14	244	10.588	10.588	0.000	98	702066	25.0	13.0	
97 Butyl benzyl phthalate	149	11.123	11.124	-0.001	96	339702	25.0	16.7	
99 Carbamazepine	193	11.259	11.253	0.006	91	225881	25.0	14.7	
100 3,3'-Dichlorobenzidine	252	11.770	11.771	-0.001	98	228867	25.0	13.3	
101 Benzo[a]anthracene	228	11.806	11.800	0.006	96	1798599	25.0	35.7	
* 102 Chrysene-d12	240	11.823	11.812	0.011	98	1740579	20.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.835	0.006	88	459784	25.0	17.3	
103 Chrysene	228	11.853	11.853	0.000	100	1614317	25.0	35.5	
105 Di-n-octyl phthalate	149	12.723	12.718	0.005	98	791736	25.0	13.4	
106 Benzo[b]fluoranthene	252	13.259	13.247	0.012	97	2381001	25.0	39.8	
107 Benzo[k]fluoranthene	252	13.294	13.288	0.006	96	1564995	25.0	24.3	
108 Benzo[a]pyrene	252	13.717	13.706	0.011	98	1911300	25.0	35.5	
* 109 Perylene-d12	264	13.800	13.782	0.018	98	2276336	20.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.400	15.382	0.018	95	1329074	25.0	29.0	M
111 Dibenz(a,h)anthracene	278	15.429	15.417	0.012	98	955513	25.0	19.0	
112 Benzo[g,h,i]perylene	276	15.853	15.835	0.018	95	1190381	25.0	21.1	
S 119 Total Cresols	1				0			32.6	
126 4,4'-DDD	235	7.859	7.798	0.061	54	5890		NR	7
127 4,4'-DDT	235	8.194	8.116	0.078	58	44		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

Operator ID:

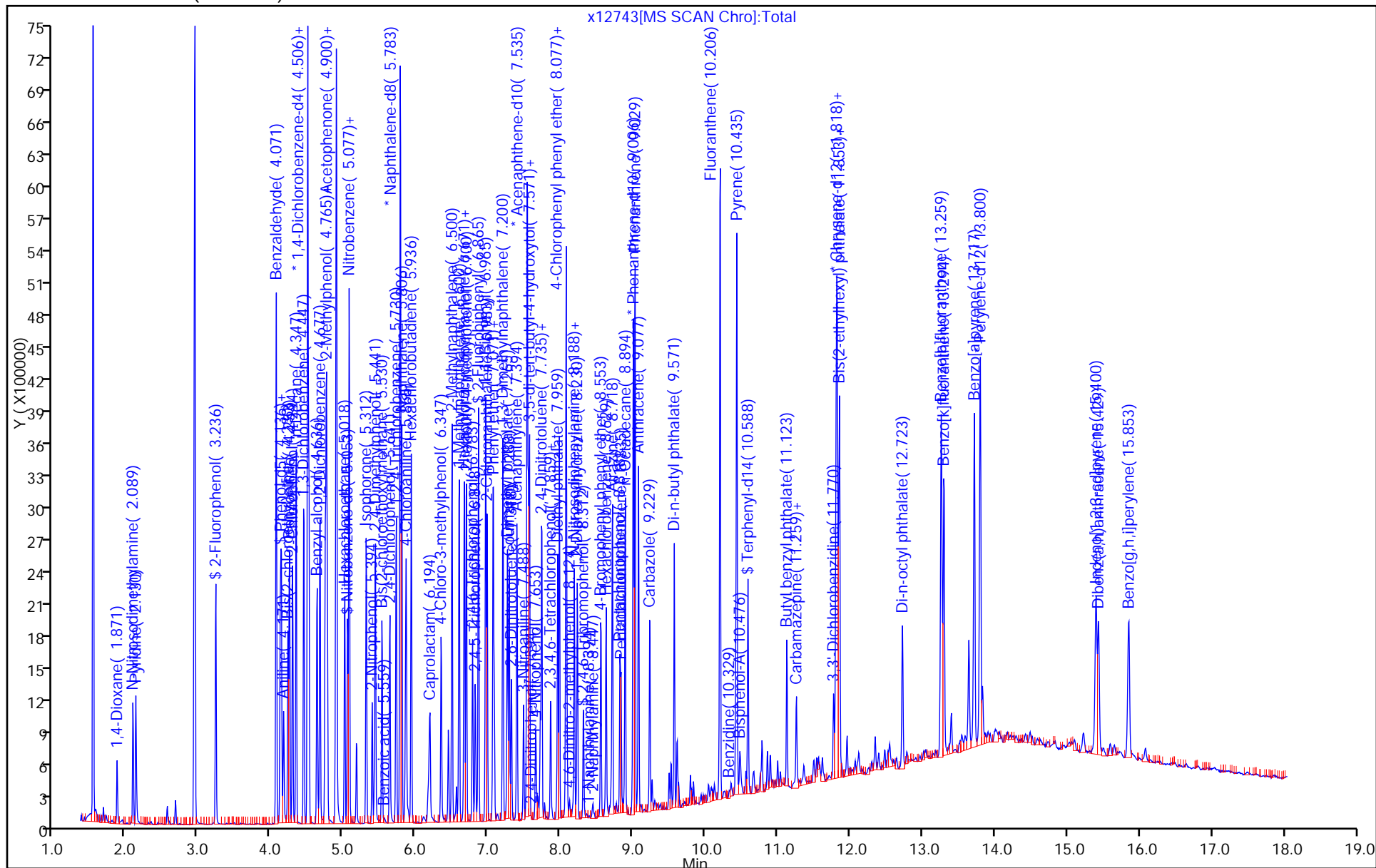
Worklist Smp#: 29

Client ID: D3

ALS Bottle#: 29

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160412-39742.b\12743.D

Injection Date: 12-Apr-2016 15:17:30

Instrument ID: CBNAMS5

Lims ID: 460-111496-A-3-B MSD

Client ID: D3

Operator ID:

ALS Bottle#:

29

Worklist Smp#:

29

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

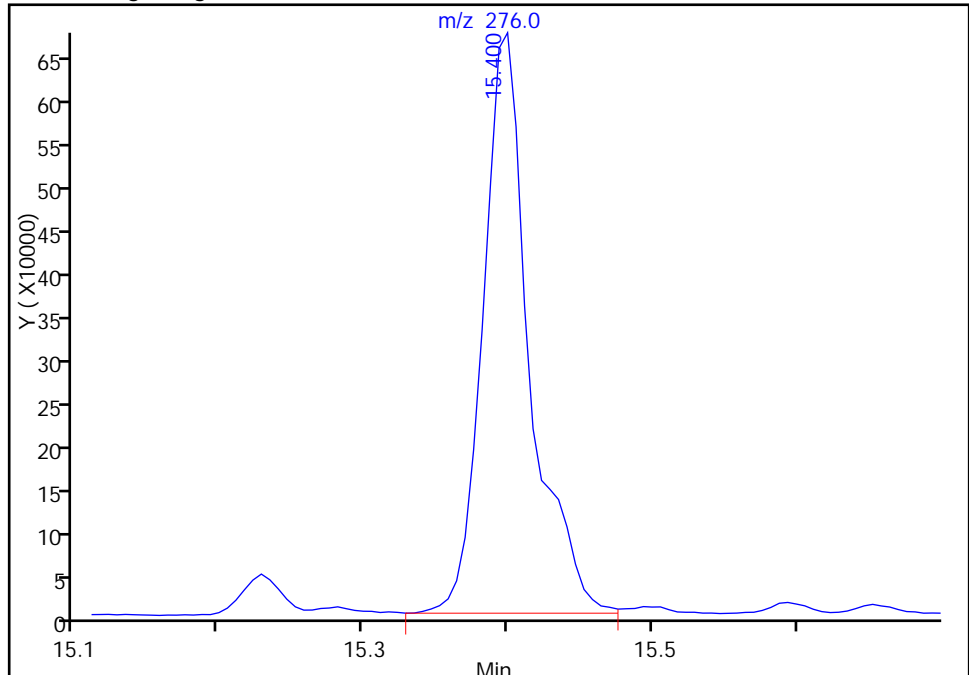
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

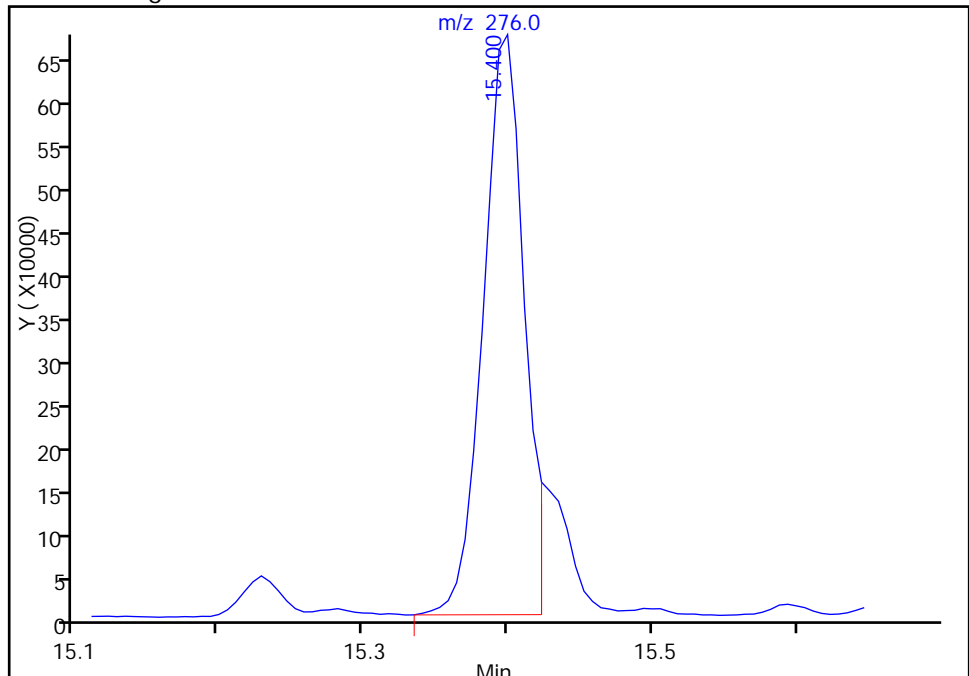
Processing Integration Results

RT: 15.40
Area: 1504337
Amount: 32.806012
Amount Units: ug/ml



Manual Integration Results

RT: 15.40
Area: 1329074
Amount: 28.983943
Amount Units: ug/ml



Reviewer: croccom, 12-Apr-2016 16:52:56

Audit Action: Manually Integrated

Audit Reason: Shouldering

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111496-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 03/29/2016 02:25Analysis Batch Number: 359292End Date: 03/29/2016 10:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-359292/1		03/29/2016 02:25	1	L132061c.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-359292/2		03/29/2016 02:50	1		Rtxi-5Sil MS 0.25 (mm)
STD120 460-359292/3 IC		03/29/2016 03:17	1		Rtxi-5Sil MS 0.25 (mm)
STD80 460-359292/4 IC		03/29/2016 03:44	1		Rtxi-5Sil MS 0.25 (mm)
STD20 460-359292/5 IC		03/29/2016 04:10	1		Rtxi-5Sil MS 0.25 (mm)
STD10 460-359292/6 IC		03/29/2016 04:36	1		Rtxi-5Sil MS 0.25 (mm)
STD5 460-359292/7 IC		03/29/2016 05:03	1		Rtxi-5Sil MS 0.25 (mm)
STD2 460-359292/8 IC		03/29/2016 05:29	1		Rtxi-5Sil MS 0.25 (mm)
STD1 460-359292/9 IC		03/29/2016 05:55	1		Rtxi-5Sil MS 0.25 (mm)
STD05 460-359292/10 IC		03/29/2016 06:22	1		Rtxi-5Sil MS 0.25 (mm)
STD50 460-359292/11 IC		03/29/2016 06:48	1	L132071.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-359292/12 IC		03/29/2016 07:15	1	L132072.D	Rtxi-5Sil MS 0.25 (mm)
STD080 460-359292/13 IC		03/29/2016 07:41	1	L132073.D	Rtxi-5Sil MS 0.25 (mm)
STD020 460-359292/14 IC		03/29/2016 08:07	1	L132074.D	Rtxi-5Sil MS 0.25 (mm)
STD010 460-359292/15 IC		03/29/2016 08:33	1	L132075.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-359292/16 IC		03/29/2016 08:59	1	L132076.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-359292/17 IC		03/29/2016 09:25	1	L132077.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-359292/18		03/29/2016 09:52	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-359292/19		03/29/2016 10:18	1	L132079.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Instrument ID: CBNAMS12 Start Date: 04/06/2016 05:49Analysis Batch Number: 360983 End Date: 04/06/2016 10:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-360983/1		04/06/2016 05:49	1	L132419.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-360983/2		04/06/2016 06:07	1	L132420.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-360983/3 IC		04/06/2016 06:51	1	L132421.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-360983/4 IC		04/06/2016 07:17	1	L132422.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-360983/5 IC		04/06/2016 07:43	1	L132423.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-360983/6 IC		04/06/2016 08:09	1	L132424.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-360983/7 IC		04/06/2016 08:35	1	L132425.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-360983/8 IC		04/06/2016 09:01	1	L132426.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-360983/9 IC		04/06/2016 09:27	1	L132427.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-360983/10 IC		04/06/2016 09:53	1	L132428.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-360983/11		04/06/2016 10:19	1	L132429.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-360983/12		04/06/2016 10:45	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111496-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 04/07/2016 20:05Analysis Batch Number: 361342End Date: 04/08/2016 07:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-361342/1		04/07/2016 20:05	1	L132498.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-361342/2		04/07/2016 20:26	1	L132499.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-361342/3		04/07/2016 21:02	1	L132500.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-361064/3-A		04/07/2016 22:22	1	L132503.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/07/2016 22:48	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/07/2016 23:14	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/07/2016 23:40	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 00:06	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 00:32	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 00:59	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 01:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 01:50	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 02:16	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 03:09	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 03:35	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 04:01	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 04:27	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 05:20	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 05:46	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 06:13	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 06:39	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 07:05	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 07:32	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111496-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 04/08/2016 10:56Analysis Batch Number: 361481End Date: 04/08/2016 22:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-361481/1		04/08/2016 10:56	1	L132431.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-361481/2		04/08/2016 11:23	1	L132432.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-361481/3		04/08/2016 11:52	1	L132433.D	Rtxi-5Sil MS 0.25 (mm)
MB 460-361064/1-A		04/08/2016 12:20	1	L132434.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 13:38	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 14:04	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 14:30	1		Rtxi-5Sil MS 0.25 (mm)
LCS 460-361064/2-A		04/08/2016 14:56	1	L132440.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 15:22	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 15:48	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 16:14	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 16:41	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 17:07	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 17:33	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 17:59	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 18:51	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 19:17	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 19:43	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 20:09	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 20:36	50		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 21:02	50		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 21:54	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/08/2016 22:20	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111496-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 04/11/2016 13:27Analysis Batch Number: 361914End Date: 04/11/2016 22:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-361914/1		04/11/2016 13:27	1	x12691.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-361914/2		04/11/2016 13:47	1	x12692.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-361914/3 IC		04/11/2016 14:11	1	x12693.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-361914/4 IC		04/11/2016 14:35	1	x12694.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-361914/5 IC		04/11/2016 15:00	1	x12695.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-361914/6 IC		04/11/2016 15:24	1	x12696.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-361914/7 IC		04/11/2016 15:48	1	x12697.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-361914/8 IC		04/11/2016 16:13	1	x12698.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-361914/9 IC		04/11/2016 16:37	1	x12699.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-361914/10 IC		04/11/2016 17:01	1	x12700.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-361914/11 IC		04/11/2016 17:25	1	x12701.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-361914/12 IC		04/11/2016 17:49	1	x12702.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-361914/13 IC		04/11/2016 18:14	1	x12703.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-361914/14 IC		04/11/2016 18:38	1	x12704.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-361914/15 IC		04/11/2016 19:03	1	x12705.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-361914/16 IC		04/11/2016 19:27	1	x12706.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-361914/17 IC		04/11/2016 19:51	1	x12707.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-361914/18		04/11/2016 20:16	1	x12708.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-361914/19		04/11/2016 22:26	1	x12709e.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111496-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 04/12/2016 03:50Analysis Batch Number: 362028End Date: 04/12/2016 15:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-362028/1		04/12/2016 03:50	1	x12715.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-362028/2		04/12/2016 04:05	1	x12716.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-362028/3		04/12/2016 04:30	1	x12717.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 05:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 05:35	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 05:59	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 06:23	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 06:47	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 07:12	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 07:36	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 08:00	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 08:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 08:48	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 09:12	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 09:37	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 10:01	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 10:25	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 10:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 11:14	1		Rtxi-5Sil MS 0.25 (mm)
460-111496-1		04/12/2016 11:38	1	x12734.D	Rtxi-5Sil MS 0.25 (mm)
460-111496-4		04/12/2016 12:02	1	x12735.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 12:26	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/12/2016 12:51	5		Rtxi-5Sil MS 0.25 (mm)
460-111496-2		04/12/2016 13:15	2	x12738.D	Rtxi-5Sil MS 0.25 (mm)
460-111496-3 MS		04/12/2016 14:53	2	x12742.D	Rtxi-5Sil MS 0.25 (mm)
460-111496-3 MSD		04/12/2016 15:17	2	x12743.D	Rtxi-5Sil MS 0.25 (mm)
460-111496-3		04/12/2016 15:42	2	x12744.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Batch Number: 361064 Batch Start Date: 04/06/16 10:38 Batch Analyst: Windham, Frank HBatch 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 460-361064/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-361064/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
LCS 460-361064/3		3546, 8270D		15.0000 g	1 mL	50 uL		500 uL	
460-111496-A-3 MS	D3	3546, 8270D	T	15.0228 g	1 mL	50 uL	500 uL	500 uL	
460-111496-A-3 MSD	D3	3546, 8270D	T	15.0114 g	1 mL	50 uL	500 uL	500 uL	
460-111496-A-3	D3	3546, 8270D	T	15.0234 g	1 mL			500 uL	
460-111496-A-1	B3	3546, 8270D	T	15.0445 g	1 mL			500 uL	
460-111496-A-2	D2	3546, 8270D	T	15.0374 g	1 mL			500 uL	
460-111496-A-4	FD-Y	3546, 8270D	T	15.0224 g	1 mL			500 uL	

Batch Notes	
Balance ID	A1
Batch Comment	BNA SOIL 8270D
Final Concentrator Volume	1 mL
MeCl2 / Acetone ID	127319
Microwave Start Time	1400
Microwave Stop Time	1440
Na2SO4 ID	151191 (SILICA SAND LOT#132456)
Person's name who did the prep	FW
Analyst ID - Spike Analyst	FW
Water Bath Temperature	38C (38C UNCORRECTED)

Basis	Basis Description
T	Total/NA

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

8270D

Page 1 of 1

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-111496-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID	Lab Sample ID
<u>B3</u>	<u>460-111496-1</u>
<u>D2</u>	<u>460-111496-2</u>
<u>D3</u>	<u>460-111496-3</u>
<u>FD-Y</u>	<u>460-111496-4</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: B3	Lab Sample ID: 460-111496-1
Lab Name: TestAmerica Edison	Job No.: 460-111496-1
SDG ID.:	
Matrix: Solid	Date Sampled: 03/30/2016 14:35
Reporting Basis: DRY	Date Received: 03/30/2016 17:50
% Solids: 93.5	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3480	41.9	21.6	mg/Kg			4	6010C
7440-36-0	Antimony	4.2	4.2	1.7	mg/Kg	U		4	6010C
7440-38-2	Arsenic	2.1	3.1	1.0	mg/Kg	J		4	6010C
7440-39-3	Barium	430	41.9	1.5	mg/Kg			4	6010C
7440-41-7	Beryllium	0.42	0.42	0.36	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.84	0.84	0.44	mg/Kg	U		4	6010C
7440-70-2	Calcium	547	1050	62.1	mg/Kg	J		4	6010C
7440-47-3	Chromium	6.3	2.1	1.0	mg/Kg			4	6010C
7440-48-4	Cobalt	2.3	10.5	1.2	mg/Kg	J		4	6010C
7440-50-8	Copper	19.8	5.2	1.4	mg/Kg			4	6010C
7439-89-6	Iron	6930	31.5	23.7	mg/Kg			4	6010C
7439-92-1	Lead	2120	2.1	0.82	mg/Kg			4	6010C
7439-95-4	Magnesium	577	1050	52.3	mg/Kg	J		4	6010C
7439-96-5	Manganese	183	3.1	1.1	mg/Kg			4	6010C
7440-02-0	Nickel	8.2	8.4	1.5	mg/Kg	J		4	6010C
7440-09-7	Potassium	165	1050	31.8	mg/Kg	J		4	6010C
7782-49-2	Selenium	4.2	4.2	1.4	mg/Kg	U		4	6010C
7440-22-4	Silver	2.1	2.1	0.37	mg/Kg	U		4	6010C
7440-23-5	Sodium	1050	1050	71.0	mg/Kg	U		4	6010C
7440-28-0	Thallium	4.2	4.2	1.9	mg/Kg	U		4	6010C
7440-62-2	Vanadium	6.9	10.5	1.0	mg/Kg	J		4	6010C
7440-66-6	Zinc	142	6.3	1.5	mg/Kg			4	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: D2	Lab Sample ID: 460-111496-2
Lab Name: TestAmerica Edison	Job No.: 460-111496-1
SDG ID.:	
Matrix: Solid	Date Sampled: 03/30/2016 13:25
Reporting Basis: DRY	Date Received: 03/30/2016 17:50
% Solids: 89.9	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3810	42.0	21.6	mg/Kg			4	6010C
7440-36-0	Antimony	4.2	4.2	1.7	mg/Kg	U		4	6010C
7440-38-2	Arsenic	5.3	3.1	1.0	mg/Kg			4	6010C
7440-39-3	Barium	275	42.0	1.5	mg/Kg			4	6010C
7440-41-7	Beryllium	0.42	0.42	0.36	mg/Kg	U		4	6010C
7440-43-9	Cadmium	1.5	0.84	0.44	mg/Kg			4	6010C
7440-70-2	Calcium	5910	1050	62.1	mg/Kg			4	6010C
7440-47-3	Chromium	12.7	2.1	1.0	mg/Kg			4	6010C
7440-48-4	Cobalt	3.4	10.5	1.2	mg/Kg	J		4	6010C
7440-50-8	Copper	45.5	5.2	1.4	mg/Kg			4	6010C
7439-89-6	Iron	16700	31.5	23.7	mg/Kg			4	6010C
7439-92-1	Lead	1170	2.1	0.82	mg/Kg			4	6010C
7439-95-4	Magnesium	2000	1050	52.4	mg/Kg			4	6010C
7439-96-5	Manganese	181	3.1	1.1	mg/Kg			4	6010C
7440-02-0	Nickel	11.7	8.4	1.5	mg/Kg			4	6010C
7440-09-7	Potassium	310	1050	31.8	mg/Kg	J		4	6010C
7782-49-2	Selenium	4.2	4.2	1.4	mg/Kg	U		4	6010C
7440-22-4	Silver	2.1	2.1	0.37	mg/Kg	U		4	6010C
7440-23-5	Sodium	1050	1050	71.1	mg/Kg	U		4	6010C
7440-28-0	Thallium	4.2	4.2	1.9	mg/Kg	U		4	6010C
7440-62-2	Vanadium	13.0	10.5	1.0	mg/Kg			4	6010C
7440-66-6	Zinc	379	6.3	1.5	mg/Kg			4	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: D3	Lab Sample ID: 460-111496-3
Lab Name: TestAmerica Edison	Job No.: 460-111496-1
SDG ID.:	
Matrix: Solid	Date Sampled: 03/30/2016 14:10
Reporting Basis: DRY	Date Received: 03/30/2016 17:50
% Solids: 92.8	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3930	42.7	22.0	mg/Kg			4	6010C
7440-36-0	Antimony	4.3	4.3	1.7	mg/Kg	U		4	6010C
7440-38-2	Arsenic	3.1	3.2	1.0	mg/Kg	J		4	6010C
7440-39-3	Barium	106	42.7	1.5	mg/Kg			4	6010C
7440-41-7	Beryllium	0.43	0.43	0.36	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.85	0.85	0.44	mg/Kg	U		4	6010C
7440-70-2	Calcium	1450	1070	63.2	mg/Kg			4	6010C
7440-47-3	Chromium	7.7	2.1	1.0	mg/Kg			4	6010C
7440-48-4	Cobalt	2.7	10.7	1.2	mg/Kg	J		4	6010C
7440-50-8	Copper	23.6	5.3	1.4	mg/Kg			4	6010C
7439-89-6	Iron	8800	32.0	24.1	mg/Kg			4	6010C
7439-92-1	Lead	236	2.1	0.84	mg/Kg			4	6010C
7439-95-4	Magnesium	921	1070	53.2	mg/Kg	J		4	6010C
7439-96-5	Manganese	144	3.2	1.1	mg/Kg			4	6010C
7440-02-0	Nickel	20.3	8.5	1.6	mg/Kg			4	6010C
7440-09-7	Potassium	301	1070	32.3	mg/Kg	J		4	6010C
7782-49-2	Selenium	4.3	4.3	1.5	mg/Kg	U		4	6010C
7440-22-4	Silver	2.1	2.1	0.38	mg/Kg	U		4	6010C
7440-23-5	Sodium	1070	1070	72.2	mg/Kg	U		4	6010C
7440-28-0	Thallium	4.3	4.3	1.9	mg/Kg	U		4	6010C
7440-62-2	Vanadium	14.0	10.7	1.1	mg/Kg			4	6010C
7440-66-6	Zinc	214	6.4	1.6	mg/Kg			4	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FD-Y

Lab Sample ID: 460-111496-4

Lab Name: TestAmerica Edison

Job No.: 460-111496-1

SDG ID.:

Matrix: Solid

Date Sampled: 03/30/2016 00:00

Reporting Basis: DRY

Date Received: 03/30/2016 17:50

% Solids: 91.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3970	42.1	21.7	mg/Kg			4	6010C
7440-36-0	Antimony	4.2	4.2	1.7	mg/Kg	U		4	6010C
7440-38-2	Arsenic	2.3	3.2	1.0	mg/Kg	J		4	6010C
7440-39-3	Barium	71.7	42.1	1.5	mg/Kg			4	6010C
7440-41-7	Beryllium	0.42	0.42	0.36	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.84	0.84	0.44	mg/Kg	U		4	6010C
7440-70-2	Calcium	530	1050	62.3	mg/Kg	J		4	6010C
7440-47-3	Chromium	7.0	2.1	1.0	mg/Kg			4	6010C
7440-48-4	Cobalt	3.4	10.5	1.2	mg/Kg	J		4	6010C
7440-50-8	Copper	21.4	5.3	1.4	mg/Kg			4	6010C
7439-89-6	Iron	7950	31.6	23.8	mg/Kg			4	6010C
7439-92-1	Lead	792	2.1	0.83	mg/Kg			4	6010C
7439-95-4	Magnesium	651	1050	52.5	mg/Kg	J		4	6010C
7439-96-5	Manganese	244	3.2	1.1	mg/Kg			4	6010C
7440-02-0	Nickel	11.1	8.4	1.5	mg/Kg			4	6010C
7440-09-7	Potassium	172	1050	31.9	mg/Kg	J		4	6010C
7782-49-2	Selenium	4.2	4.2	1.5	mg/Kg	U		4	6010C
7440-22-4	Silver	2.1	2.1	0.37	mg/Kg	U		4	6010C
7440-23-5	Sodium	1050	1050	71.2	mg/Kg	U		4	6010C
7440-28-0	Thallium	4.2	4.2	1.9	mg/Kg	U		4	6010C
7440-62-2	Vanadium	7.7	10.5	1.1	mg/Kg	J		4	6010C
7440-66-6	Zinc	161	6.3	1.5	mg/Kg			4	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-111496-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152

Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

Analyte	ICV 460-361771/7 04/10/2016 14:23				CCV 460-361771/20 04/10/2016 15:13				CCV 460-361771/33 04/10/2016 16:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	121100		125000	97	121400		125000	97	120400		125000	96
Antimony	962.8		1000	96	973.5		1000	97	974.3		1000	97
Arsenic	2428		2500	97	2441		2500	98	2452		2500	98
Barium	9892		10000	99	9918		10000	99	9919		10000	99
Beryllium	979.5		1000	98	986.5		1000	99	980.6		1000	98
Cadmium	1226		1250	98	1226		1250	98	1229		1250	98
Calcium	121700		125000	97	122900		125000	98	122600		125000	98
Chromium	4910		5000	98	4971		5000	99	4969		5000	99
Cobalt	2441		2500	98	2448		2500	98	2454		2500	98
Copper	12120		12500	97	12240		12500	98	12290		12500	98
Iron	98000		100000	98	98830		100000	99	98610		100000	99
Lead	7355		7500	98	7374		7500	98	7390		7500	99
Magnesium	121500		125000	97	123300		125000	99	122900		125000	98
Manganese	4987		5000	100	5040		5000	101	5030		5000	101
Nickel	2466		2500	99	2474		2500	99	2480		2500	99
Potassium	48170		50000	96	48230		50000	96	47950		50000	96
Selenium	2406		2500	96	2404		2500	96	2425		2500	97
Silver	1203		1250	96	1213		1250	97	1215		1250	97
Sodium	121400		125000	97	123100		125000	98	122600		125000	98
Thallium	2459		2500	98	2456		2500	98	2464		2500	99
Vanadium	2438		2500	98	2459		2500	98	2461		2500	98
Zinc	2471		2500	99	2469		2500	99	2470		2500	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-111496-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

Analyte	ICVL 460-361771/9 04/10/2016 14:31				CCVL 460-361771/22 04/10/2016 15:20				CCVL 460-361771/35 04/10/2016 16:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	203.9		200	102	198.7	J	200	99	202.9		200	101
Antimony	18.91	J	20.0	95	19.51	J	20.0	98	20.59		20.0	103
Arsenic	13.73	J	15.0	92	14.80	J	15.0	99	11.90	J	15.0	79
Barium	205.6		200	103	206.5		200	103	207.3		200	104
Beryllium	1.97	J	2.00	99	2.01		2.00	100	2.02		2.00	101
Cadmium	4.01		4.00	100	4.01		4.00	100	3.94	J	4.00	99
Calcium	5040		5000	101	5068		5000	101	5039		5000	101
Chromium	9.82	J	10.0	98	9.95	J	10.0	99	9.77	J	10.0	98
Cobalt	51.40		50.0	103	51.48		50.0	103	51.50		50.0	103
Copper	22.39	J	25.0	90	23.45	J	25.0	94	23.06	J	25.0	92
Iron	148.9	J	150	99	151.7		150	101	154.1		150	103
Lead	12.07		10.0	121	11.28		10.0	113	11.19		10.0	112
Magnesium	4902	J	5000	98	4939	J	5000	99	4901	J	5000	98
Manganese	15.43		15.0	103	15.60		15.0	104	15.63		15.0	104
Nickel	41.57		40.0	104	41.53		40.0	104	42.76		40.0	107
Potassium	4743	J	5000	95	4688	J	5000	94	4708	J	5000	94
Selenium	15.77	J	20.0	79	16.19	J	20.0	81	16.29	J	20.0	81
Silver	9.81	J	10.0	98	9.68	J	10.0	97	9.92	J	10.0	99
Sodium	4919	J	5000	98	4917	J	5000	98	4901	J	5000	98
Thallium	20.30		20.0	102	19.63	J	20.0	98	21.63		20.0	108
Vanadium	49.81	J	50.0	100	50.43		50.0	101	51.10		50.0	102
Zinc	30.79		30.0	103	30.93		30.0	103	31.03		30.0	103

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-361771/8 04/10/2016 14:27		CCB 460-361771/21 04/10/2016 15:16		CCB 460-361771/34 04/10/2016 16:05			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U		
Antimony	20.0	20.0	U	20.0	U	20.0	U		
Arsenic	15.0	15.0	U	15.0	U	15.0	U		
Barium	200	200	U	200	U	200	U		
Beryllium	2.0	2.0	U	2.0	U	2.0	U		
Cadmium	4.0	4.0	U	4.0	U	4.0	U		
Calcium	5000	5000	U	5000	U	5000	U		
Chromium	10.0	10.0	U	10.0	U	10.0	U		
Cobalt	50.0	50.0	U	50.0	U	50.0	U		
Copper	25.0	25.0	U	25.0	U	25.0	U		
Iron	150	150	U	150	U	150	U		
Lead	10.0	10.0	U	10.0	U	10.0	U		
Magnesium	5000	5000	U	5000	U	5000	U		
Manganese	15.0	15.0	U	15.0	U	15.0	U		
Nickel	40.0	40.0	U	40.0	U	40.0	U		
Potassium	5000	5000	U	5000	U	5000	U		
Selenium	20.0	20.0	U	20.0	U	20.0	U		
Silver	10.0	10.0	U	10.0	U	10.0	U		
Sodium	5000	5000	U	5000	U	5000	U		
Thallium	20.0	20.0	U	20.0	U	20.0	U		
Vanadium	50.0	50.0	U	50.0	U	50.0	U		
Zinc	30.0	30.0	U	30.0	U	30.0	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-111496-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-361465/1-A ^2
 Instrument Code: ICP5 Batch No.: 361771

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.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-361771/10 Instrument ID: ICP5
 Lab File ID: 04102016.asc ICS Source: ME_ICSA_Duo_00071
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	491200	98
Antimony		-2.52	
Arsenic		-3.62	
Barium		-2.70	
Beryllium		-0.123	
Cadmium		0.115	
Calcium	500000	483700	97
Chromium		-1.08	
Cobalt		-0.342	
Copper		-4.42	
Iron	200000	191500	96
Lead		0.0787	
Magnesium	500000	495100	99
Manganese		-3.03	
Nickel		-3.08	
Potassium		134	
Selenium		2.28	
Silver		-0.0629	
Sodium		13.8	
Thallium		-2.96	
Vanadium		-2.75	
Zinc		-1.85	
<i>Boron</i>		<i>-7.27</i>	
<i>Molybdenum</i>		<i>-0.860</i>	
<i>Strontium</i>		<i>-1.35</i>	
<i>Tin</i>		<i>-3.04</i>	
<i>Titanium</i>		<i>-5.83</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.: 460-111496-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-361771/11 Instrument ID: ICP5
 Lab File ID: 04102016.asc ICS Source: ME_ICSAB_DUO_00085
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	498700	100
Antimony	100	96.6	97
Arsenic	100	92.5	92
Barium	100	98.2	98
Beryllium	100	97.6	98
Cadmium	100	95.3	95
Calcium	500000	491300	98
Chromium	100	97.3	97
Cobalt	100	96.0	96
Copper	100	99.5	99
Iron	200000	194500	97
Lead	100	96.5	96
Magnesium	500000	504000	101
Manganese	100	98.2	98
Nickel	100	92.4	92
Potassium	10000	10240	102
Selenium	100	92.4	92
Silver	100	102	102
Sodium	10000	10380	104
Thallium	100	93.4	93
Vanadium	100	95.2	95
Zinc	100	92.9	93
<i>Boron</i>	<i>100</i>	<i>93.2</i>	<i>93</i>
<i>Molybdenum</i>	<i>100</i>	<i>91.9</i>	<i>92</i>
<i>Strontium</i>	<i>100</i>	<i>97.9</i>	<i>98</i>
<i>Tin</i>	<i>100</i>	<i>91.7</i>	<i>92</i>
<i>Titanium</i>	<i>100</i>	<i>95.8</i>	<i>96</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: D3 MS

Lab ID: 460-111496-3 MS

Lab Name: TestAmerica Edison

Job No.: 460-111496-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 92.8

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	4799	3930	200	436	75-125	4	6010C
Antimony	35.08	4.3 U	49.9	70	75-125	N	6010C
Arsenic	187.5	3.1 J	200	92	75-125		6010C
Barium	356.3	106	200	125	75-125		6010C
Beryllium	5.29	0.43 U	4.99	106	75-125		6010C
Cadmium	5.26	0.85 U	4.99	106	75-125		6010C
Calcium	4156	1450	2000	136	75-125	N	6010C
Chromium	28.61	7.7	20.0	105	75-125		6010C
Cobalt	52.37	2.7 J	49.9	100	75-125		6010C
Copper	44.23	23.6	24.9	83	75-125		6010C
Iron	16070	8800	99.8	7294	75-125	4	6010C
Lead	242.6	236	49.9	14	75-125	4	6010C
Magnesium	2721	921 J	2000	90	75-125		6010C
Manganese	292.7	144	49.9	298	75-125	N	6010C
Nickel	66.56	20.3	49.9	93	75-125		6010C
Potassium	2107	301 J	2000	91	75-125		6010C
Selenium	181.3	4.3 U	200	91	75-125		6010C
Silver	4.65	2.1 U	4.99	93	75-125		6010C
Sodium	1951	1070 U	2000	98	75-125		6010C
Thallium	197.5	4.3 U	200	99	75-125		6010C
Vanadium	63.47	14.0	49.9	99	75-125		6010C
Zinc	257.6	214	49.9	87	75-125	4	6010C

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: D3 PDS

Lab ID: 460-111496-3 PDS

Lab Name: TestAmerica Edison

Job No.: 460-111496-1

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	4337	3930	427	96	80-120		6010C
Antimony	100.1	4.3 U	107	94	80-120		6010C
Arsenic	408.8	3.1 J	427	95	80-120		6010C
Barium	529.3	106	427	99	80-120		6010C
Beryllium	11.04	0.43 U	10.7	103	80-120		6010C
Cadmium	10.97	0.85 U	10.7	103	80-120		6010C
Calcium	5611	1450	4270	98	80-120		6010C
Chromium	51.57	7.7	42.7	103	80-120		6010C
Cobalt	109.3	2.7 J	107	100	80-120		6010C
Copper	75.44	23.6	53.3	97	80-120		6010C
Iron	8895	8800	213	NC	80-120		6010C
Lead	337.1	236	107	95	80-120		6010C
Magnesium	5020	921 J	4270	96	80-120		6010C
Manganese	250.9	144	107	100	80-120		6010C
Nickel	128.9	20.3	107	102	80-120		6010C
Potassium	4071	301 J	4270	88	80-120		6010C
Selenium	401.5	4.3 U	427	94	80-120		6010C
Silver	11.19	2.1 U	10.7	105	80-120		6010C
Sodium	4199	1070 U	4270	98	80-120		6010C
Thallium	431.6	4.3 U	427	101	80-120		6010C
Vanadium	120.1	14.0	107	99	80-120		6010C
Zinc	319.0	214	107	98	80-120		6010C

SSR = Spiked Sample Result

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

6-IN
DUPLICATES
METALS

Client ID: D3 DU

Lab ID: 460-111496-3 DU

Lab Name: TestAmerica Edison

Job No.: 460-111496-1

SDG No.:

% Solids for Sample: 92.8

% Solids for Duplicate: 92.8

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	41.0	3930	3300	17		6010C
Antimony	4.1	4.3 U	4.1 U	NC		6010C
Arsenic	3.1	3.1 J	2.95 J	4		6010C
Barium	41.0	106	99.80	6		6010C
Beryllium	0.41	0.43 U	0.41 U	NC		6010C
Cadmium	0.82	0.85 U	0.478 J	NC		6010C
Calcium	1030	1450	1233	16		6010C
Chromium	2.1	7.7	8.60	11		6010C
Cobalt	10.3	2.7 J	2.23 J	20		6010C
Copper	5.1	23.6	608.7	185	*	6010C
Iron	30.8	8800	8006	9		6010C
Lead	2.1	236	190.1	21	*	6010C
Magnesium	1030	921 J	691.6 J	28		6010C
Manganese	3.1	144	126.6	13		6010C
Nickel	8.2	20.3	15.89	24		6010C
Potassium	1030	301 J	290.4 J	4		6010C
Selenium	4.1	4.3 U	4.1 U	NC		6010C
Silver	2.1	2.1 U	2.1 U	NC		6010C
Sodium	1030	1070 U	1030 U	NC		6010C
Thallium	4.1	4.3 U	4.1 U	NC		6010C
Vanadium	10.3	14.0	13.83	1		6010C
Zinc	6.2	214	199.9	7		6010C

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-361465/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-111496-1

Sample Matrix: Solid

LCS Source: ME_LCSS_91_00001

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8080	7669		94.9	51.1	148.5		6010C
Antimony	123	81.78		66.5	1.0	200.0		6010C
Arsenic	145	145.8		100.6	79.3	121.4		6010C
Barium	209	221.6		106.0	83.3	117.2		6010C
Beryllium	97.3	99.49		102.3	82.6	117.2		6010C
Cadmium	87.6	90.18		102.9	82.6	117.6		6010C
Calcium	5690	5725		100.6	81.0	118.8		6010C
Chromium	143	150.5		105.3	79.7	119.6		6010C
Cobalt	154	163.4		106.1	83.8	115.6		6010C
Copper	173	174.9		101.1	81.5	117.9		6010C
Iron	15000	14670		97.8	46.8	154.0		6010C
Lead	146	151.9		104.1	81.5	118.5		6010C
Magnesium	2640	2616		99.1	76.5	123.5		6010C
Manganese	309	332.5		107.6	81.6	118.8		6010C
Nickel	129	140.8		109.2	82.9	117.1		6010C
Potassium	2400	2263		94.3	71.7	128.3		6010C
Selenium	178	174.8		98.2	78.7	121.3		6010C
Silver	31.3	30.59		97.7	75.1	124.9		6010C
Sodium	869	831.2	J	95.6	72.7	126.6		6010C
Thallium	141	150.8		107.0	79.4	121.3		6010C
Vanadium	115	115.6		100.6	77.6	122.6		6010C
Zinc	194	201.2		103.7	82.0	118.0		6010C

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

FORM VIIA - IN

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

Lab ID: 460-111496-3

SDG No: _____

Lab Name: TestAmerica Edison

Job No: 460-111496-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	3930		3993		1.7		6010C
Antimony	4.3	U	21.3	U	NC		6010C
Arsenic	3.1	J	16.0	U	NC		6010C
Barium	106		106.3	J	NC		6010C
Beryllium	0.43	U	2.1	U	NC		6010C
Cadmium	0.85	U	4.3	U	NC		6010C
Calcium	1450		1461	J	NC		6010C
Chromium	7.7		7.59	J	NC		6010C
Cobalt	2.7	J	53.3	U	NC		6010C
Copper	23.6		21.64	J	NC		6010C
Iron	8800		9092		3.4		6010C
Lead	236		238.0		1.0		6010C
Magnesium	921	J	923.8	J	NC		6010C
Manganese	144		148.8		NC		6010C
Nickel	20.3		20.78	J	NC		6010C
Potassium	301	J	232.7	J	NC		6010C
Selenium	4.3	U	21.3	U	NC		6010C
Silver	2.1	U	10.7	U	NC		6010C
Sodium	1070	U	5330	U	NC		6010C
Thallium	4.3	U	21.3	U	NC		6010C
Vanadium	14.0		13.94	J	NC		6010C
Zinc	214		222.3		NC		6010C

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-111496-1
 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: 460-111496-1
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.: 460-111496-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-361465/1-A ^2	04/08/2016 07:27	361465	1.00		50
LCSSRM 460-361465/2-A ^4	04/08/2016 07:27	361465	1.02		50
460-111496-3	04/08/2016 07:27	361465	1.01		50
460-111496-3 DU	04/08/2016 07:27	361465	1.05		50
460-111496-3 MS	04/08/2016 07:27	361465	1.08		50
460-111496-1	04/08/2016 07:27	361465	1.02		50
460-111496-2	04/08/2016 07:27	361465	1.06		50
460-111496-4	04/08/2016 07:27	361465	1.04		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

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 460-361771/1	1		14:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:04																				
ZZZZZZ			14:08																				
ZZZZZZ			14:12																				
ZZZZZZ			14:16																				
ZZZZZZ			14:19																				
ICV 460-361771/7	1		14:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-361771/8	1		14:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-361771/9	1		14:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-361771/10	1		14:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-361771/11	1		14:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:43																				
ZZZZZZ			14:47																				
ZZZZZZ			14:51																				
ZZZZZZ			14:54																				
ZZZZZZ			14:58																				
460-111496-3 PDS	4	T	15:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111496-3 MS	4	T	15:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111496-3 DU	4	T	15:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-361771/20	1		15:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-361771/21	1		15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-361771/22	1		15:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111496-3	4	T	15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111496-3 SD	20	T	15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-361465/1-A ^2	2	T	15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 460-361465/2-A ^4	4	T	15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111496-1	4	T	15:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111496-2	4	T	15:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111496-4	4	T	15:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:50																				
ZZZZZZ			15:54																				
ZZZZZZ			15:58																				
CCV 460-361771/33	1		16:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-361771/34	1		16:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-361771/35	1		16:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:13																				
ZZZZZZ			16:16																				
ZZZZZZ			16:20																				
ZZZZZZ			16:24																				
ZZZZZZ			16:28																				
ZZZZZZ			16:31																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

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			16:35																			
ZZZZZZ			16:39																			
ZZZZZZ			16:43																			
ZZZZZZ			16:46																			
CCV 460-361771/46			16:50																			
CCB 460-361771/47			16:54																			
CCVL 460-361771/48			16:58																			
ZZZZZZ			17:01																			
ZZZZZZ			17:05																			
ZZZZZZ			17:09																			
ZZZZZZ			17:13																			
ZZZZZZ			17:16																			
ZZZZZZ			17:20																			
ZZZZZZ			17:24																			
ZZZZZZ			17:28																			
ZZZZZZ			17:32																			
ZZZZZZ			17:35																			
CCV 460-361771/59			17:39																			
CCB 460-361771/60			17:42																			
CCVL 460-361771/61			17:46																			
ZZZZZZ			17:50																			
ZZZZZZ			17:54																			
ZZZZZZ			17:58																			
ZZZZZZ			18:01																			
ZZZZZZ			18:05																			
ZZZZZZ			18:09																			
ZZZZZZ			18:13																			
ZZZZZZ			18:16																			
ZZZZZZ			18:20																			
ZZZZZZ			18:24																			
CCV 460-361771/72			18:27																			
CCB 460-361771/73			18:31																			
CCVL 460-361771/74			18:35																			
ZZZZZZ			18:39																			
ZZZZZZ			18:42																			
ZZZZZZ			18:46																			
ZZZZZZ			18:50																			
ZZZZZZ			18:54																			
ZZZZZZ			18:58																			
ZZZZZZ			19:01																			
ZZZZZZ			19:05																			
ZZZZZZ			19:09																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

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			19:13																				
CCV 460-361771/85			19:16																				
CCB 460-361771/86			19:20																				
CCVL 460-361771/87			19:24																				
ZZZZZZ			19:28																				
ZZZZZZ			19:31																				
ZZZZZZ			19:35																				
ZZZZZZ			19:39																				
ZZZZZZ			19:43																				
ZZZZZZ			19:46																				
ZZZZZZ			19:50																				
ZZZZZZ			19:54																				
ZZZZZZ			19:57																				
ZZZZZZ			20:01																				
CCV 460-361771/98			20:05																				
CCB 460-361771/99			20:08																				
CCVL 460-361771/100			20:12																				
ZZZZZZ			20:16																				
ZZZZZZ			20:20																				
ZZZZZZ			20:24																				
ZZZZZZ			20:28																				
ZZZZZZ			20:31																				
ZZZZZZ			20:35																				
ZZZZZZ			20:39																				
ZZZZZZ			20:43																				
ZZZZZZ			20:47																				
ZZZZZZ			20:51																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-361771/1	1		14:01	X	X																
ZZZZZZ			14:04																		
ZZZZZZ			14:08																		
ZZZZZZ			14:12																		
ZZZZZZ			14:16																		
ZZZZZZ			14:19																		
ICV 460-361771/7	1		14:23	X	X																
ICB 460-361771/8	1		14:27	X	X																
ICVL 460-361771/9	1		14:31	X	X																
ICSA 460-361771/10	1		14:35	X	X																
ICSAB 460-361771/11	1		14:39	X	X																
ZZZZZZ			14:43																		
ZZZZZZ			14:47																		
ZZZZZZ			14:51																		
ZZZZZZ			14:54																		
ZZZZZZ			14:58																		
460-111496-3 PDS	4	T	15:02	X	X																
460-111496-3 MS	4	T	15:05	X	X																
460-111496-3 DU	4	T	15:09	X	X																
CCV 460-361771/20	1		15:13	X	X																
CCB 460-361771/21	1		15:16	X	X																
CCVL 460-361771/22	1		15:20	X	X																
460-111496-3	4	T	15:24	X	X																
460-111496-3 SD	20	T	15:28	X	X																
MB 460-361465/1-A ^2	2	T	15:32	X	X																
LCSSRM 460-361465/2-A ^4	4	T	15:36	X	X																
460-111496-1	4	T	15:39	X	X																
460-111496-2	4	T	15:43	X	X																
460-111496-4	4	T	15:47	X	X																
ZZZZZZ			15:50																		
ZZZZZZ			15:54																		
ZZZZZZ			15:58																		
CCV 460-361771/33	1		16:01	X	X																
CCB 460-361771/34	1		16:05	X	X																
CCVL 460-361771/35	1		16:09	X	X																
ZZZZZZ			16:13																		
ZZZZZZ			16:16																		
ZZZZZZ			16:20																		
ZZZZZZ			16:24																		
ZZZZZZ			16:28																		
ZZZZZZ			16:31																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			16:35																		
ZZZZZZ			16:39																		
ZZZZZZ			16:43																		
ZZZZZZ			16:46																		
CCV 460-361771/46			16:50																		
CCB 460-361771/47			16:54																		
CCVL 460-361771/48			16:58																		
ZZZZZZ			17:01																		
ZZZZZZ			17:05																		
ZZZZZZ			17:09																		
ZZZZZZ			17:13																		
ZZZZZZ			17:16																		
ZZZZZZ			17:20																		
ZZZZZZ			17:24																		
ZZZZZZ			17:28																		
ZZZZZZ			17:32																		
ZZZZZZ			17:35																		
CCV 460-361771/59			17:39																		
CCB 460-361771/60			17:42																		
CCVL 460-361771/61			17:46																		
ZZZZZZ			17:50																		
ZZZZZZ			17:54																		
ZZZZZZ			17:58																		
ZZZZZZ			18:01																		
ZZZZZZ			18:05																		
ZZZZZZ			18:09																		
ZZZZZZ			18:13																		
ZZZZZZ			18:16																		
ZZZZZZ			18:20																		
ZZZZZZ			18:24																		
CCV 460-361771/72			18:27																		
CCB 460-361771/73			18:31																		
CCVL 460-361771/74			18:35																		
ZZZZZZ			18:39																		
ZZZZZZ			18:42																		
ZZZZZZ			18:46																		
ZZZZZZ			18:50																		
ZZZZZZ			18:54																		
ZZZZZZ			18:58																		
ZZZZZZ			19:01																		
ZZZZZZ			19:05																		
ZZZZZZ			19:09																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111496-1

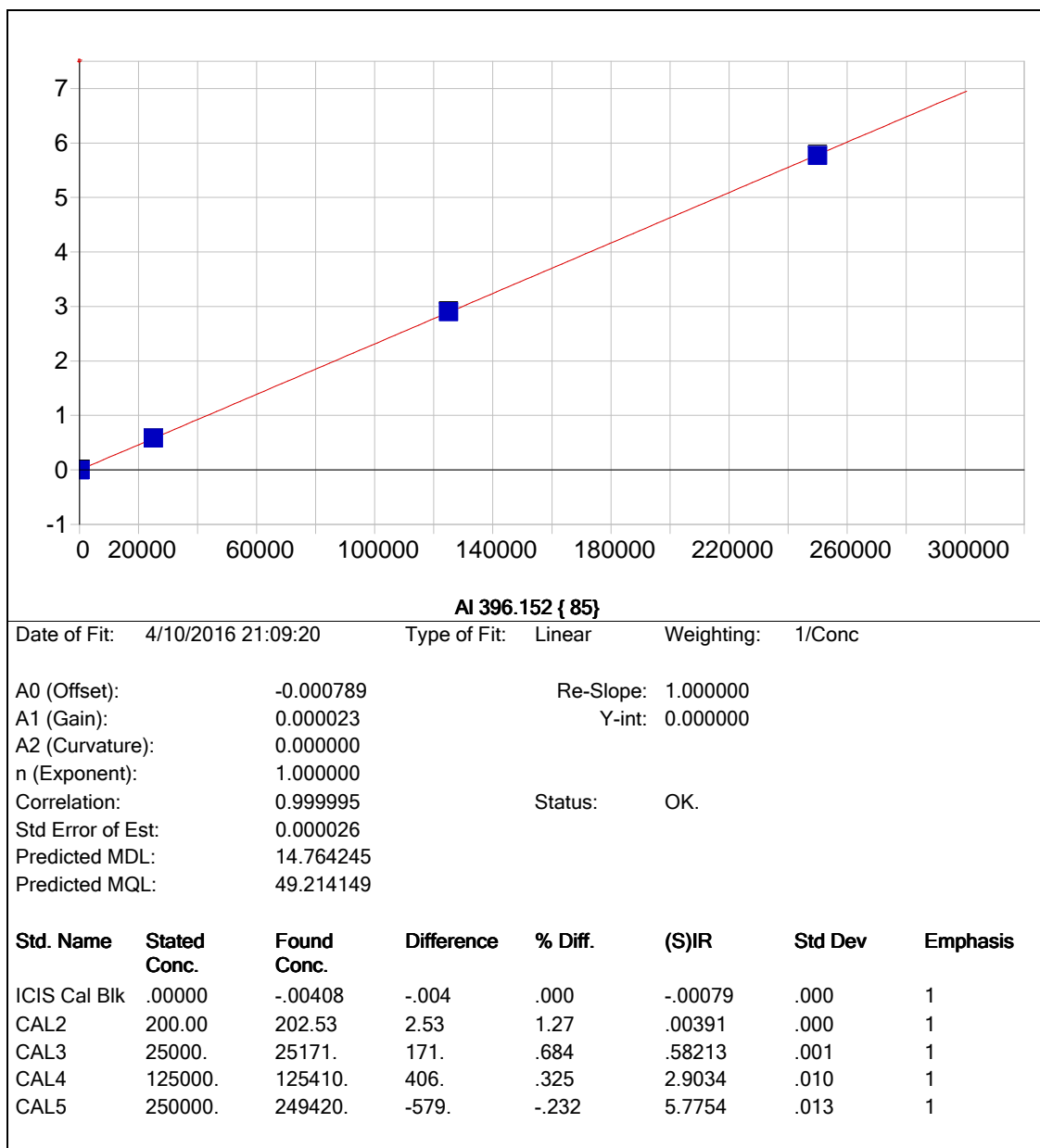
SDG No.: _____

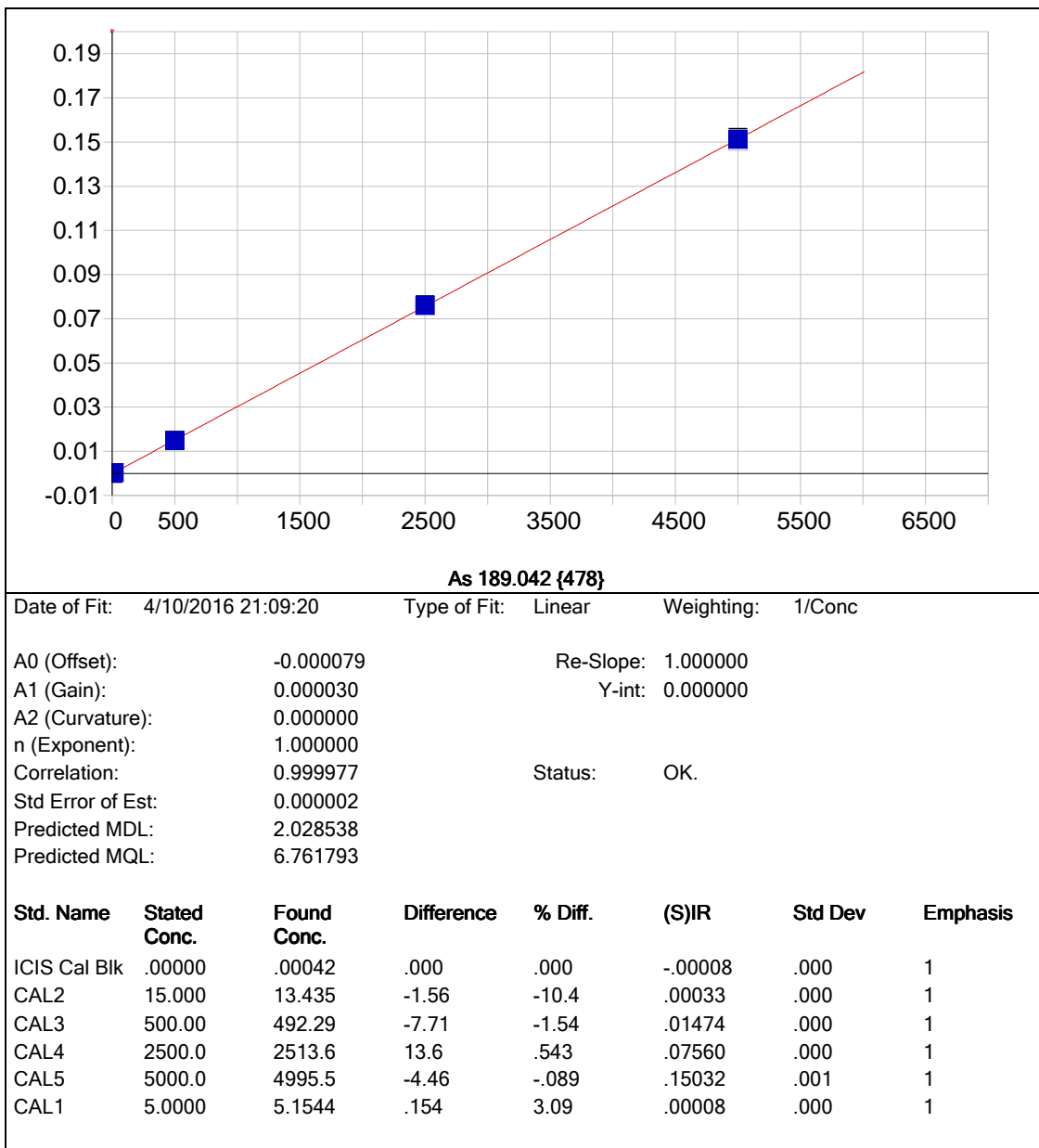
Instrument ID: ICP5 Method: 6010C

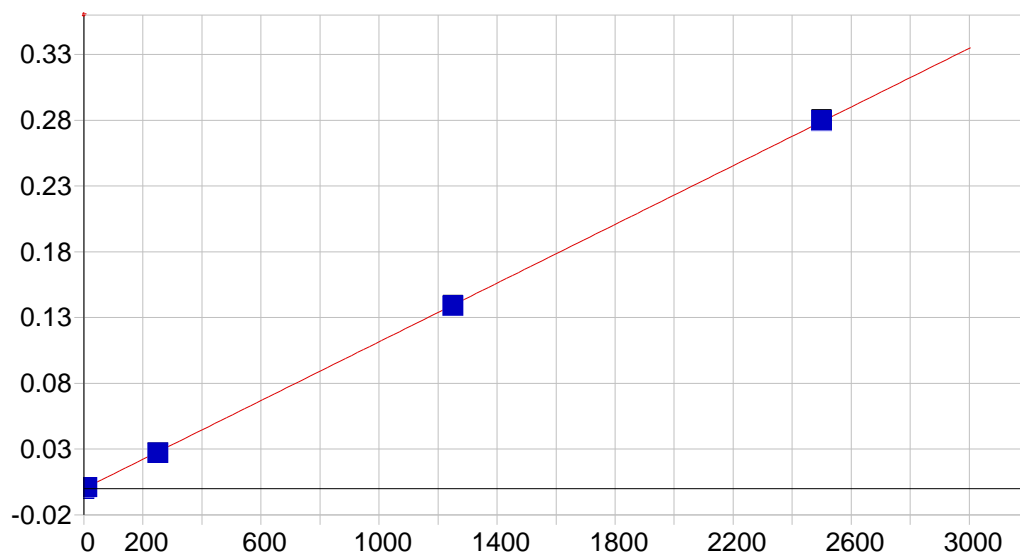
Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			19:13																		
CCV 460-361771/85			19:16																		
CCB 460-361771/86			19:20																		
CCVL 460-361771/87			19:24																		
ZZZZZZ			19:28																		
ZZZZZZ			19:31																		
ZZZZZZ			19:35																		
ZZZZZZ			19:39																		
ZZZZZZ			19:43																		
ZZZZZZ			19:46																		
ZZZZZZ			19:50																		
ZZZZZZ			19:54																		
ZZZZZZ			19:57																		
ZZZZZZ			20:01																		
CCV 460-361771/98			20:05																		
CCB 460-361771/99			20:08																		
CCVL 460-361771/100			20:12																		
ZZZZZZ			20:16																		
ZZZZZZ			20:20																		
ZZZZZZ			20:24																		
ZZZZZZ			20:28																		
ZZZZZZ			20:31																		
ZZZZZZ			20:35																		
ZZZZZZ			20:39																		
ZZZZZZ			20:43																		
ZZZZZZ			20:47																		
ZZZZZZ			20:51																		

Prep Types
T = Total/NA





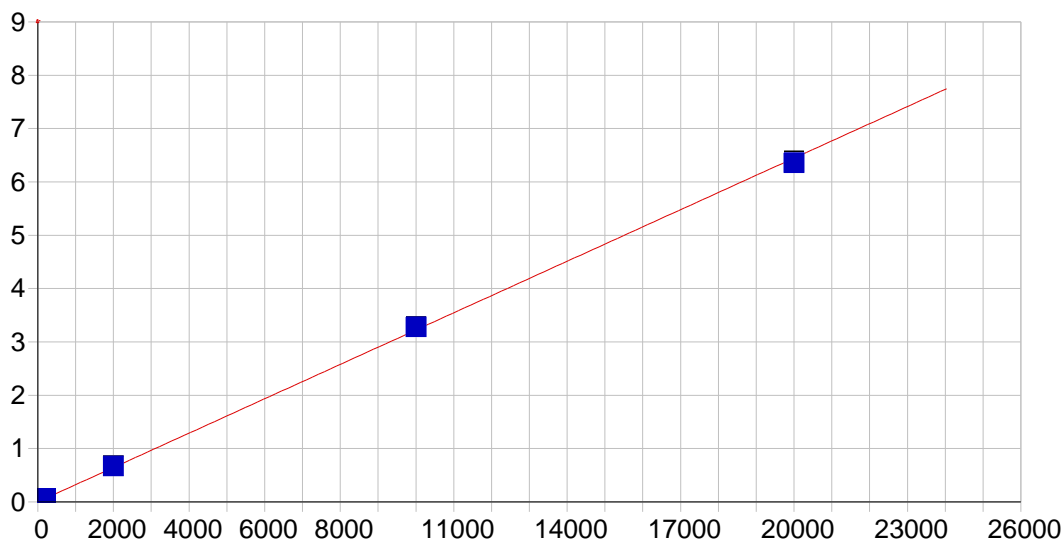


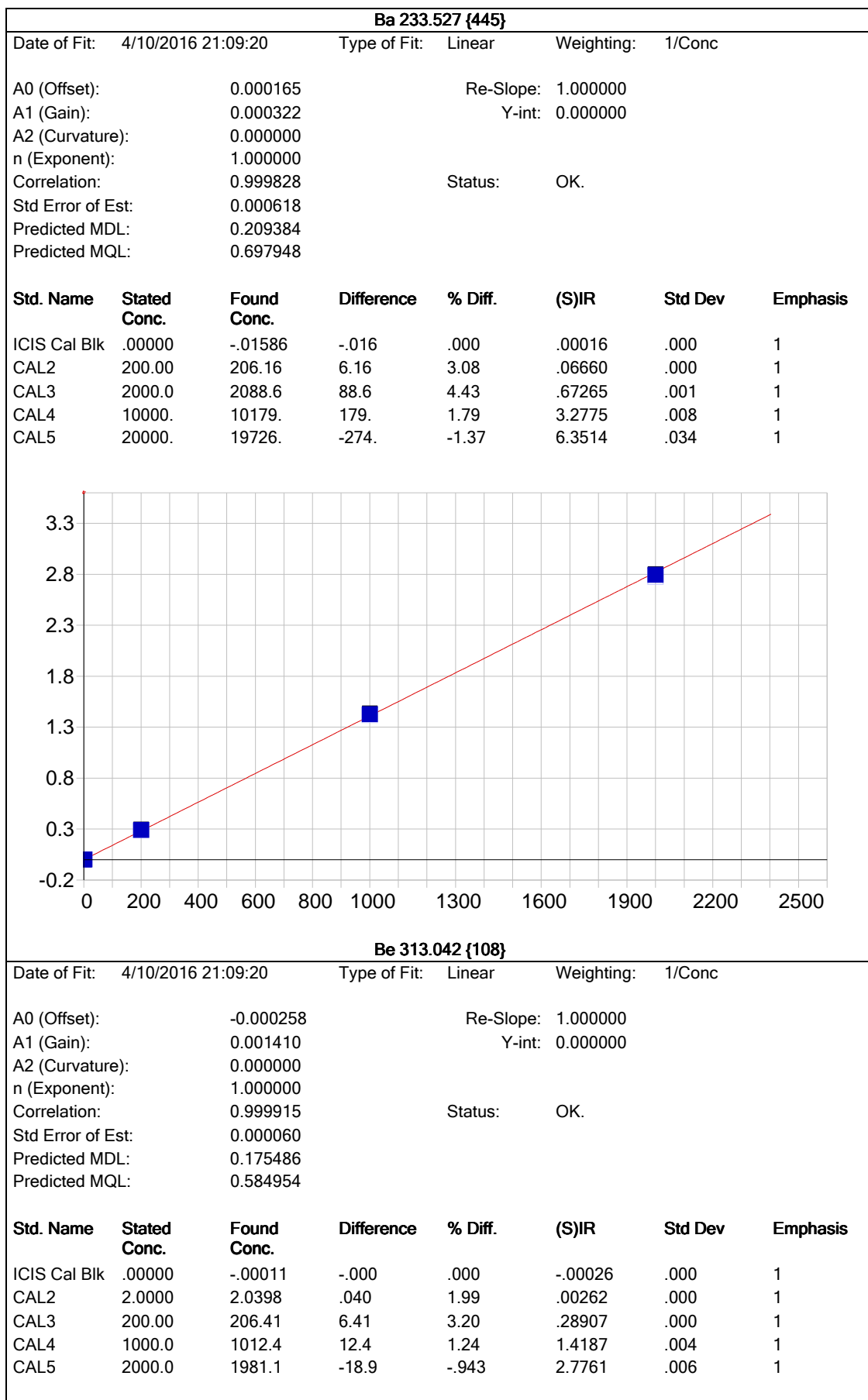
Ag 328.068 {103}

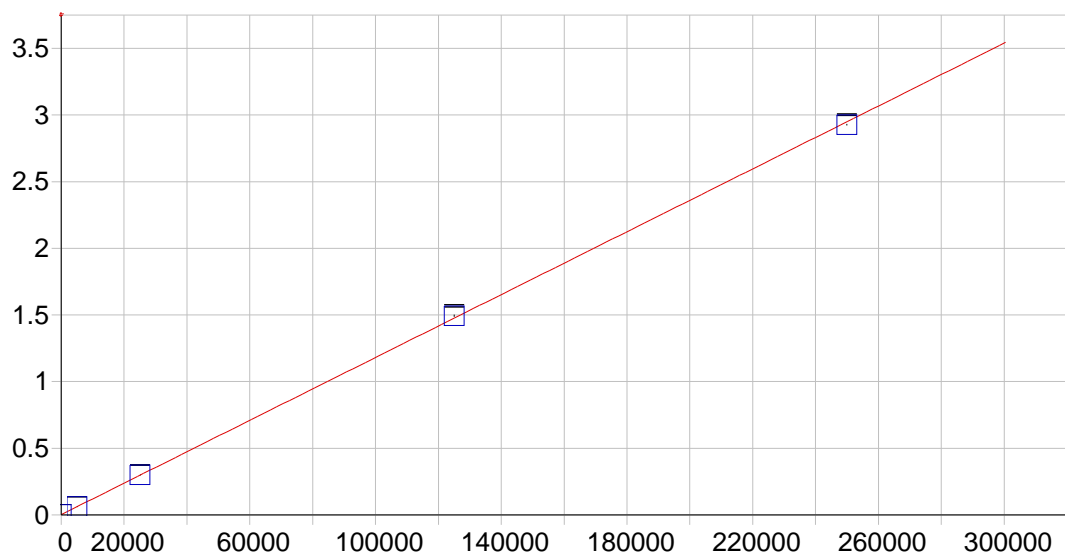
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000032 Re-Slope: 1.000000
 A1 (Gain): 0.000112 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999977 Status: OK.
 Std Error of Est: 0.000006
 Predicted MDL: 0.648247
 Predicted MQL: 2.160823

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00056	.001	.000	-.00003	.000	1
CAL2	10.000	9.6546	-.345	-3.45	.00104	.000	1
CAL3	250.00	244.22	-5.78	-2.31	.02715	.000	1
CAL4	1250.0	1247.5	-2.54	-.203	.13883	.000	1
CAL5	2500.0	2508.7	8.66	.346	.27923	.001	1





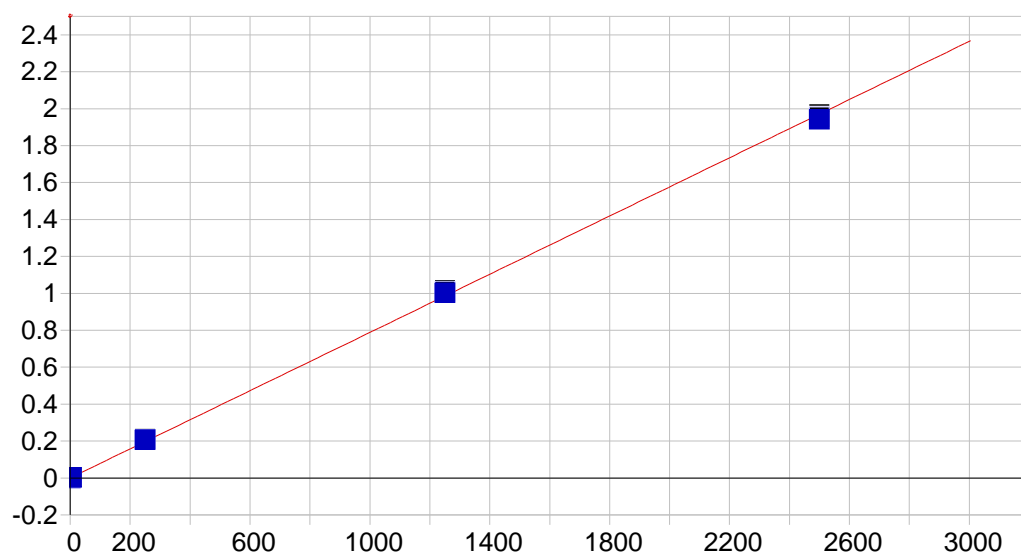


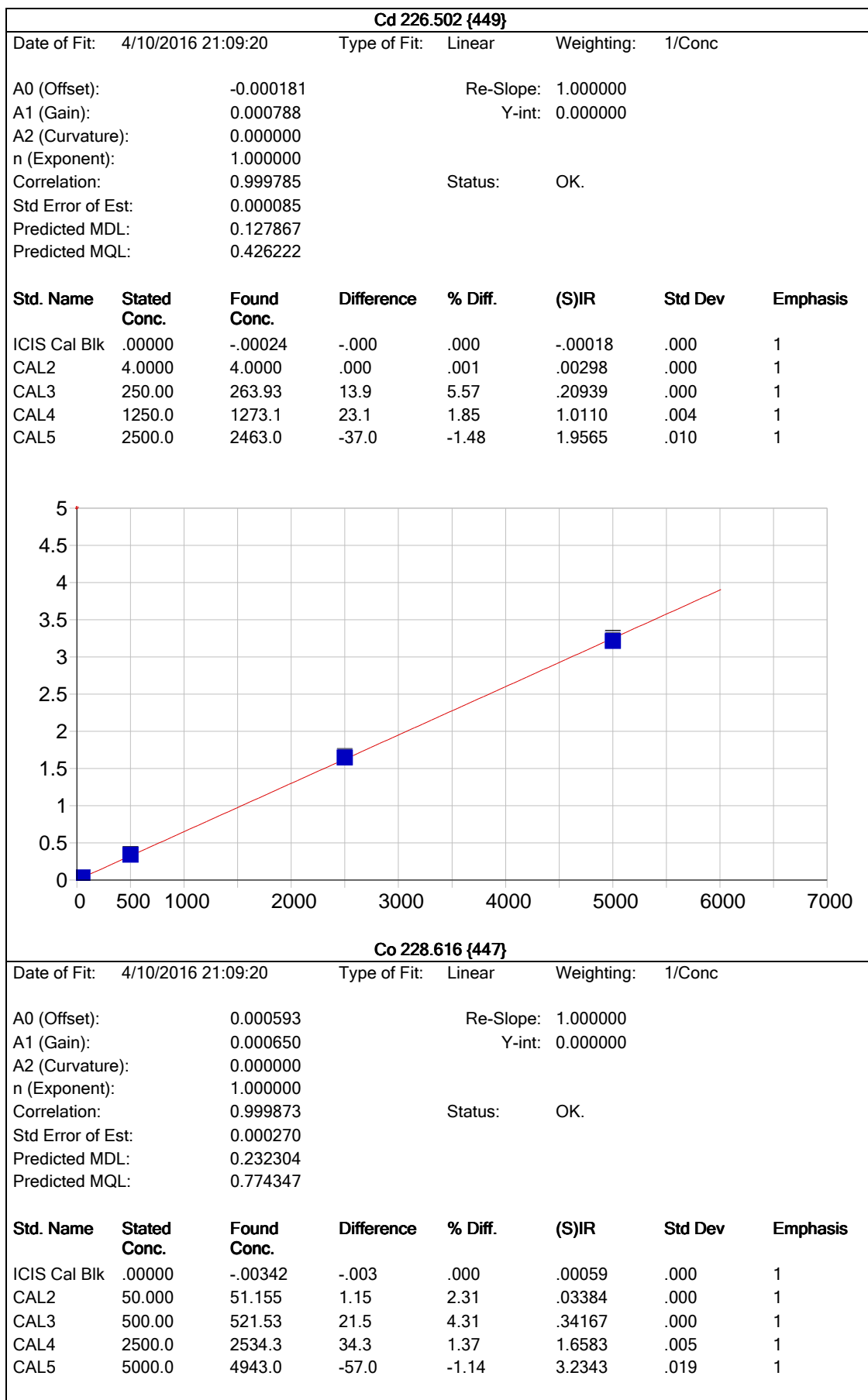
Ca 318.128 {106}

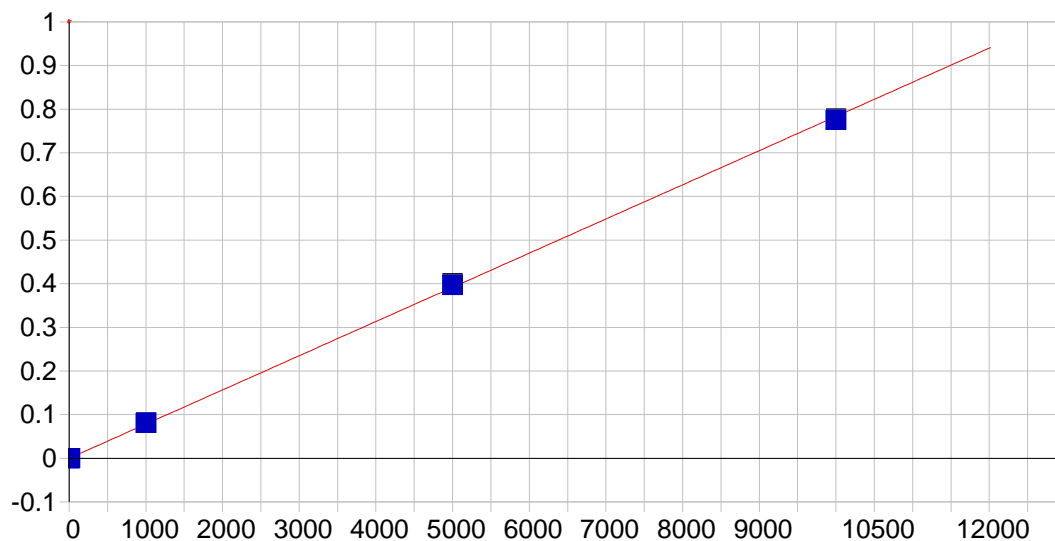
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002216 Re-Slope: 1.000000
 A1 (Gain): 0.000012 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954 Status: OK.
 Std Error of Est: 0.000207
 Predicted MDL: 6.763511
 Predicted MQL: 22.545038

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.11558	-.116	.000	.00221	.000	1
CAL2	5000.0	5030.2	30.2	.605	.06152	.000	1
CAL3	25000.	25307.	307.	1.23	.30057	.000	1
CAL4	125000.	126540.	1540.	1.23	1.4941	.008	1
CAL5	250000.	248120.	-1880.	-.750	2.9275	.007	1





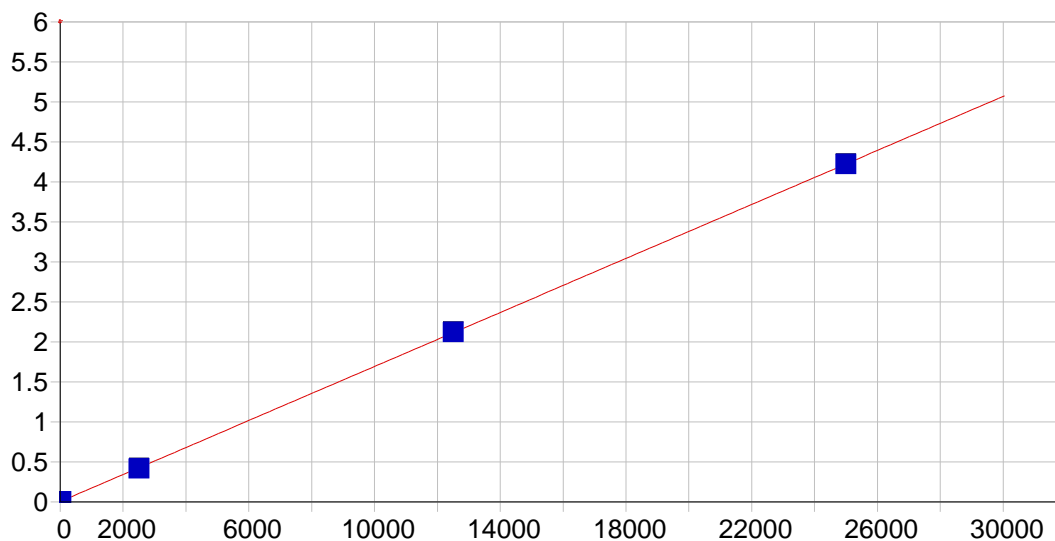


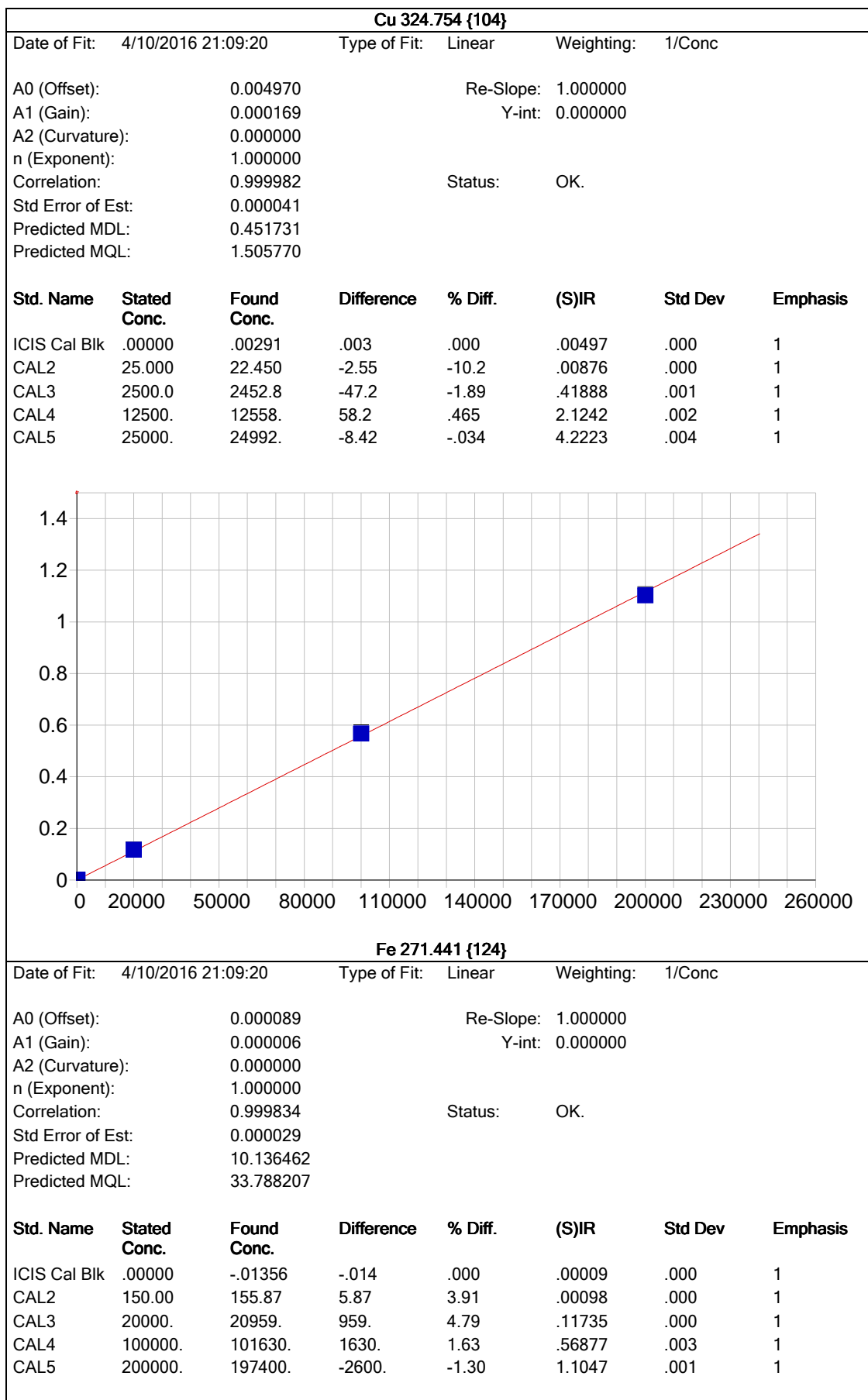
Cr 267.716 {126}

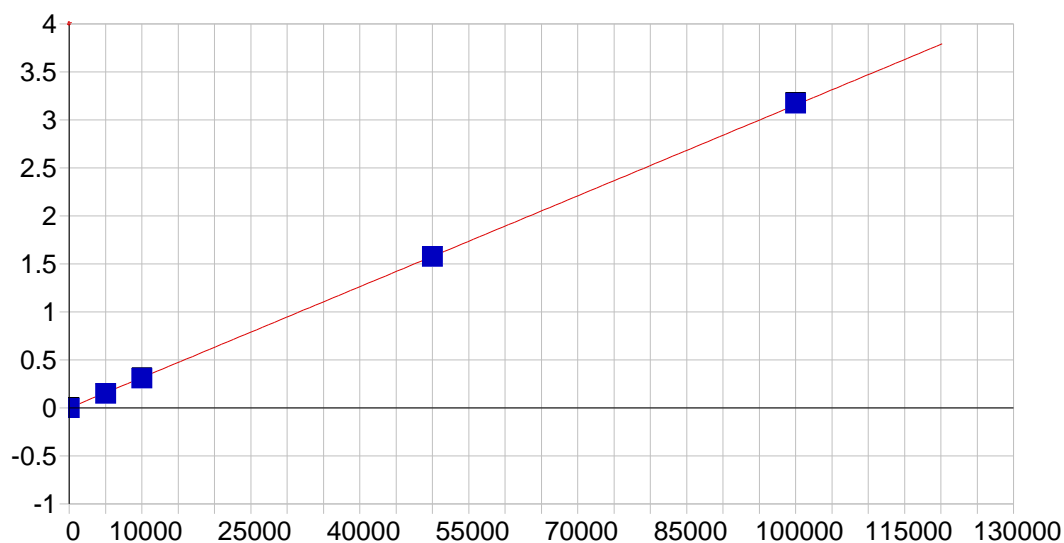
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000001 Re-Slope: 1.000000
 A1 (Gain): 0.000078 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999895 Status: OK.
 Std Error of Est: 0.000019
 Predicted MDL: 0.630575
 Predicted MQL: 2.101915

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00031	-.000	.000	-.00000	.000	1
CAL2	10.000	9.9025	-.097	-.975	.00078	.000	1
CAL3	1000.0	1037.9	37.9	3.79	.08132	.000	1
CAL4	5000.0	5065.8	65.8	1.32	.39694	.003	1
CAL5	10000.	9896.4	-104.	-1.04	.77544	.002	1





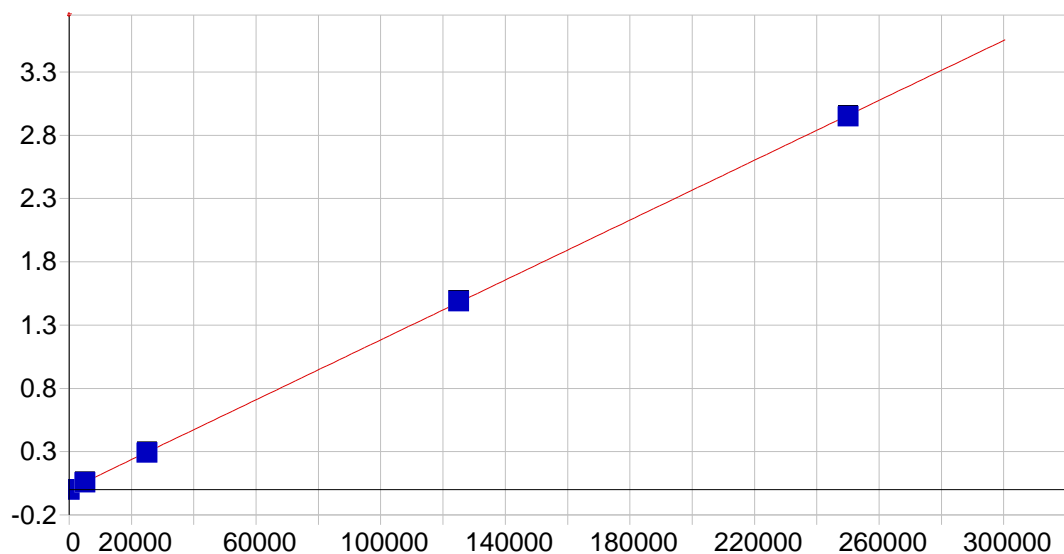


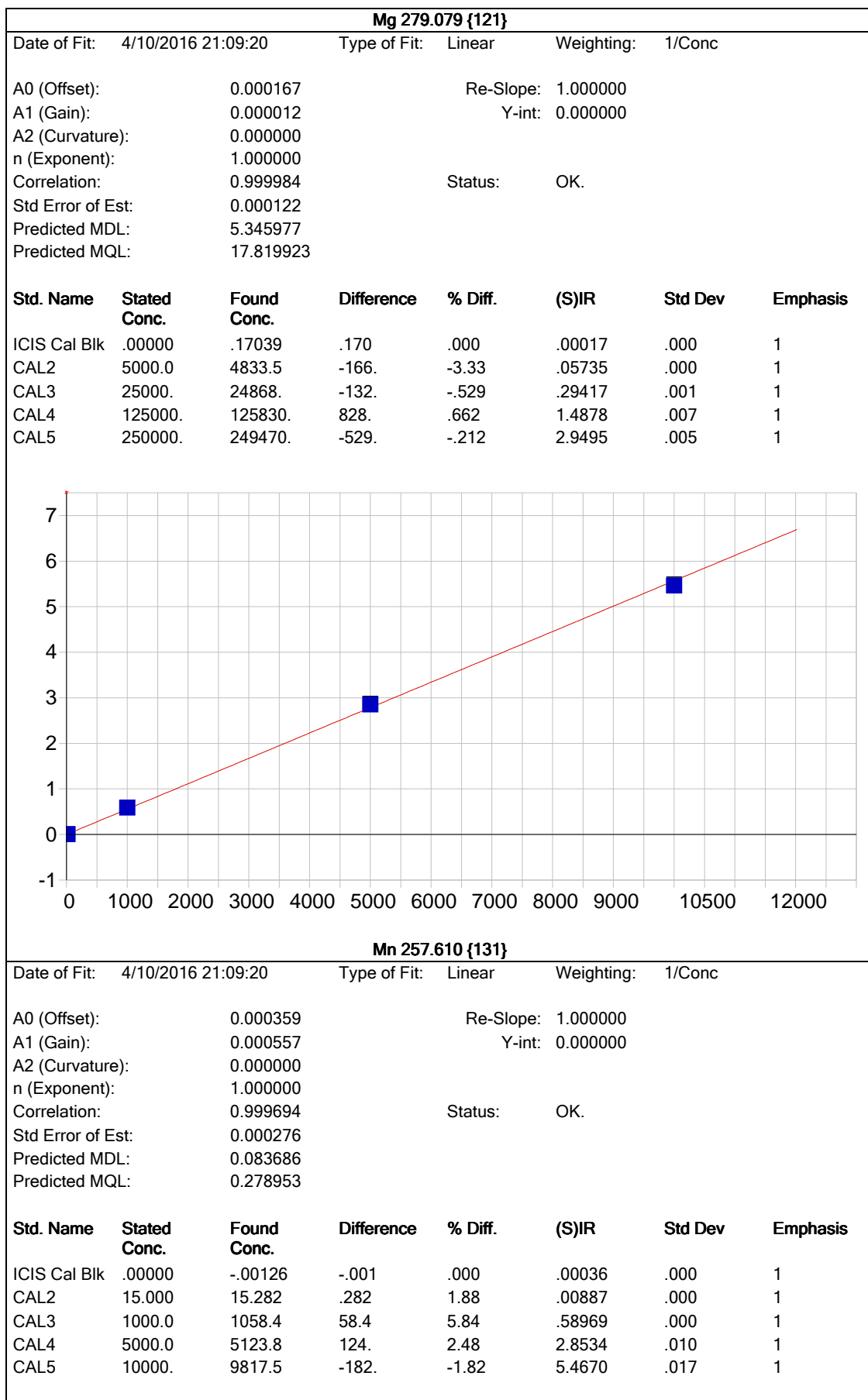
K 766.490 { 44}

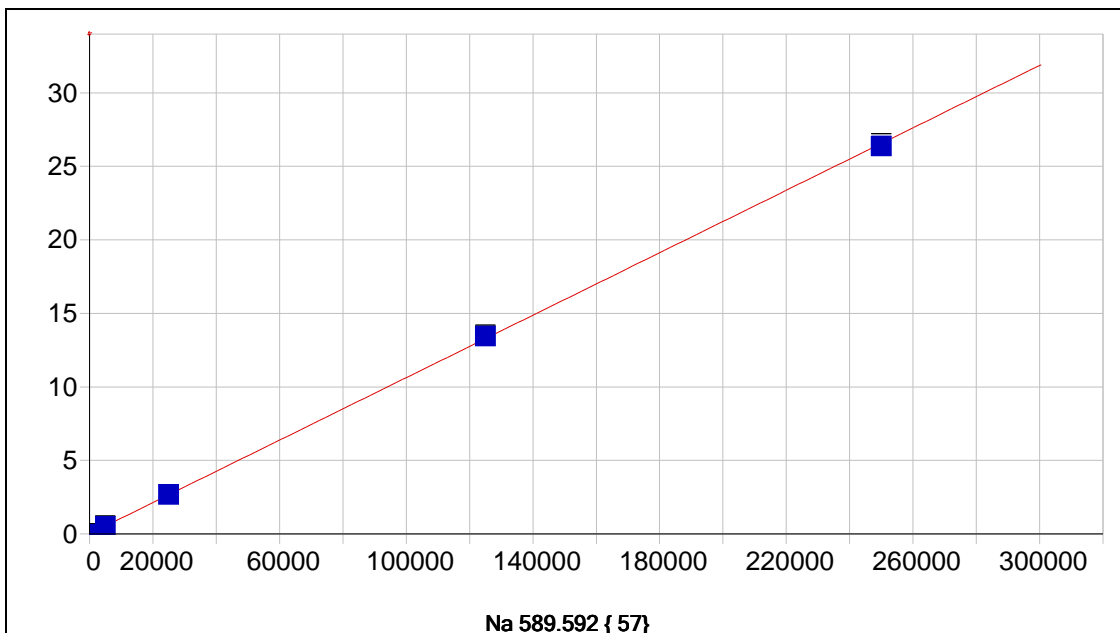
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000339 Re-Slope: 1.000000
 A1 (Gain): 0.000032 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999929 Status: OK.
 Std Error of Est: 0.000440
 Predicted MDL: 36.157484
 Predicted MQL: 120.524947

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.36319	.363	.000	.00035	.001	1
CAL2	5000.0	4733.0	-267.	-5.34	.14967	.001	1
CAL3	10000.	9766.7	-233.	-2.33	.30823	.001	1
CAL4	50000.	49909.	-91.1	-.182	1.5737	.003	1
CAL5	100000.	100590.	592.	.592	3.1715	.005	1



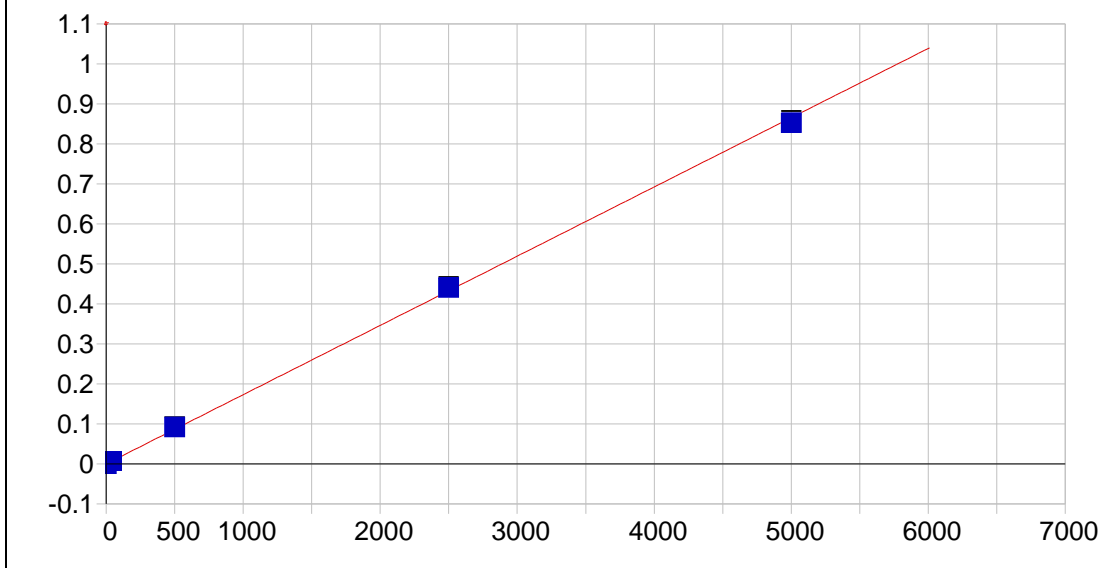


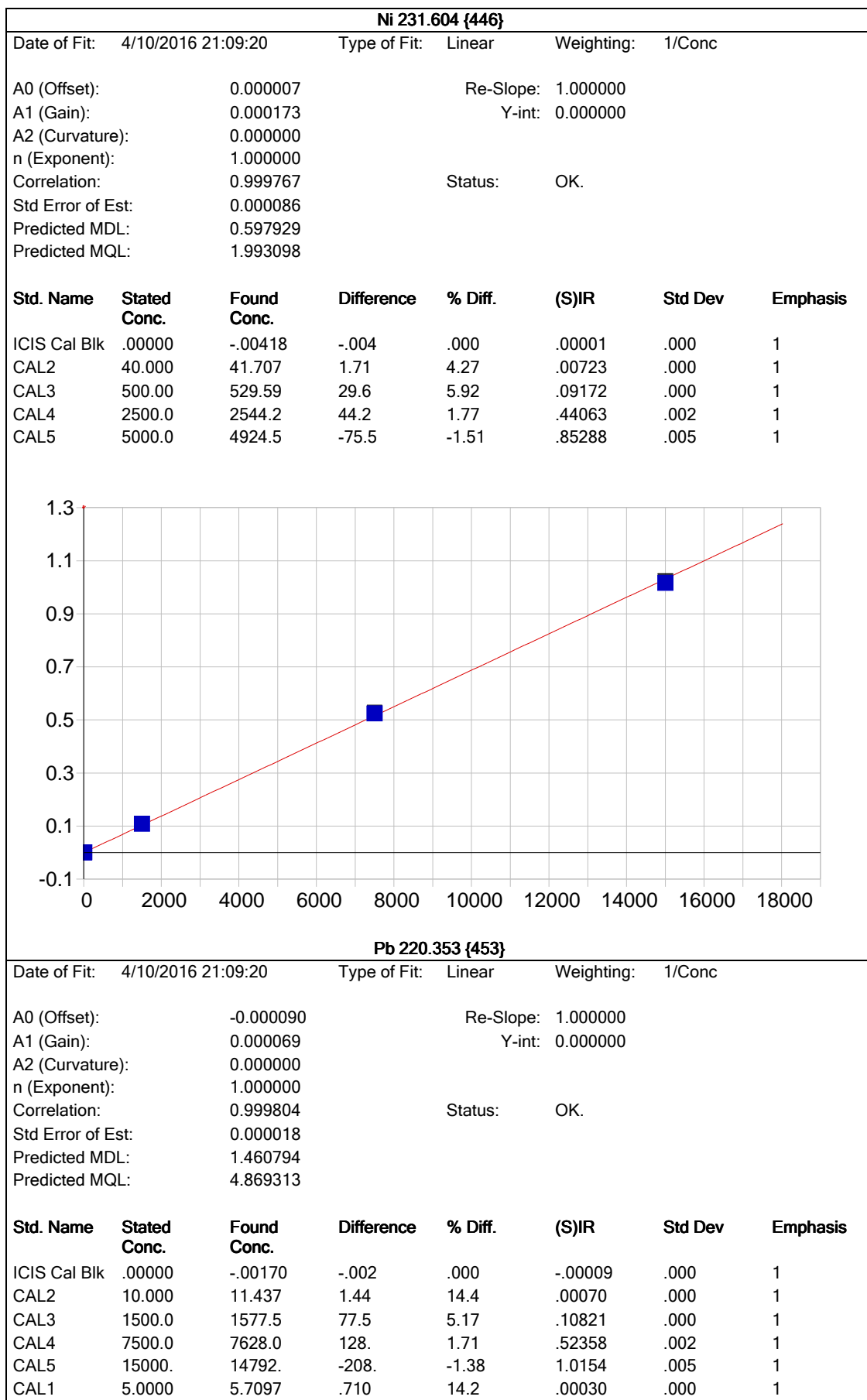


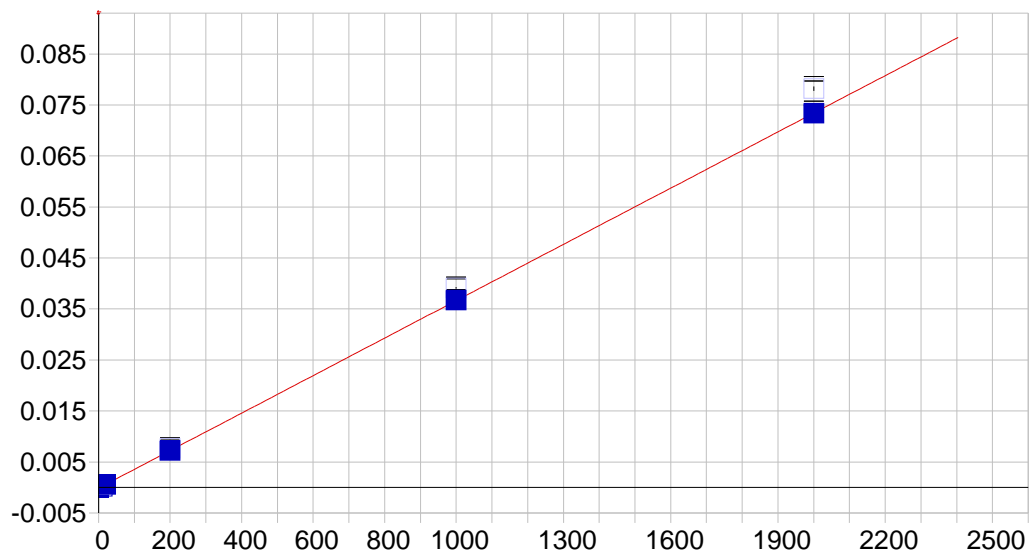
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008432 Re-Slope: 1.000000
 A1 (Gain): 0.000106 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954 Status: OK.
 Std Error of Est: 0.001863
 Predicted MDL: 10.406959
 Predicted MQL: 34.689864

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.01104	.011	.000	.00843	.003	1
CAL2	5000.0	4918.2	-81.8	-1.64	.53077	.002	1
CAL3	25000.	25202.	202.	.807	2.6858	.001	1
CAL4	125000.	126640.	1640.	1.31	13.463	.060	1
CAL5	250000.	248240.	-1760.	-.705	26.381	.175	1





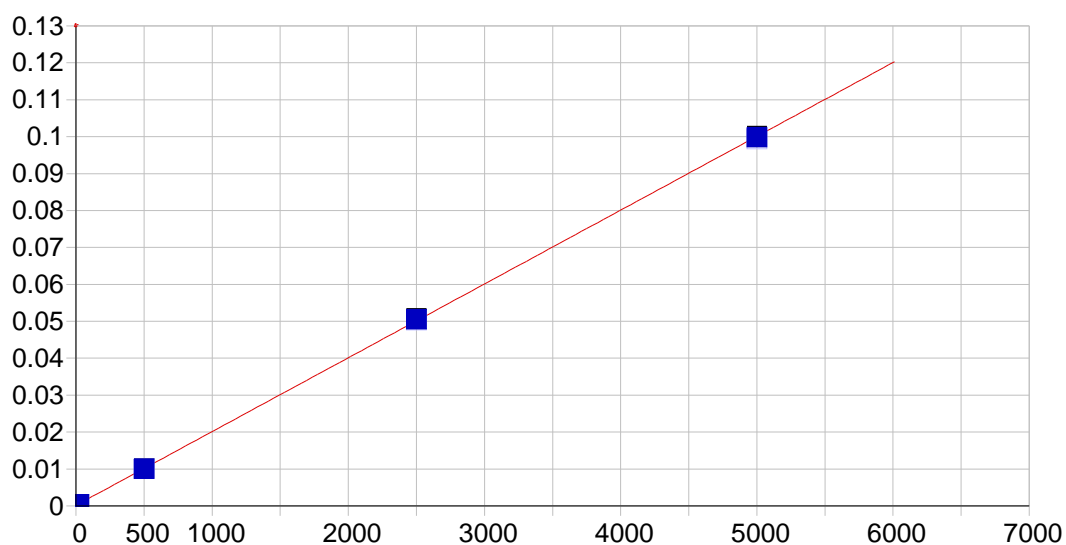


Sb 206.833 {463}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000123 Re-Slope: 1.000000
 A1 (Gain): 0.000037 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000001
 Predicted MDL: 2.135237
 Predicted MQL: 7.117456

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00078	.001	.000	-.00012	.000	1
CAL2	20.000	19.360	-.640	-3.20	.00057	.000	1
CAL3	200.00	199.58	-.422	-.211	.00770	.000	1
CAL4	1000.0	1002.2	2.18	.218	.03914	.000	1
CAL5	2000.0	1999.3	-.742	-.037	.07821	.000	1
CAL1	10.000	9.5430	-.457	-4.57	.00023	.000	1

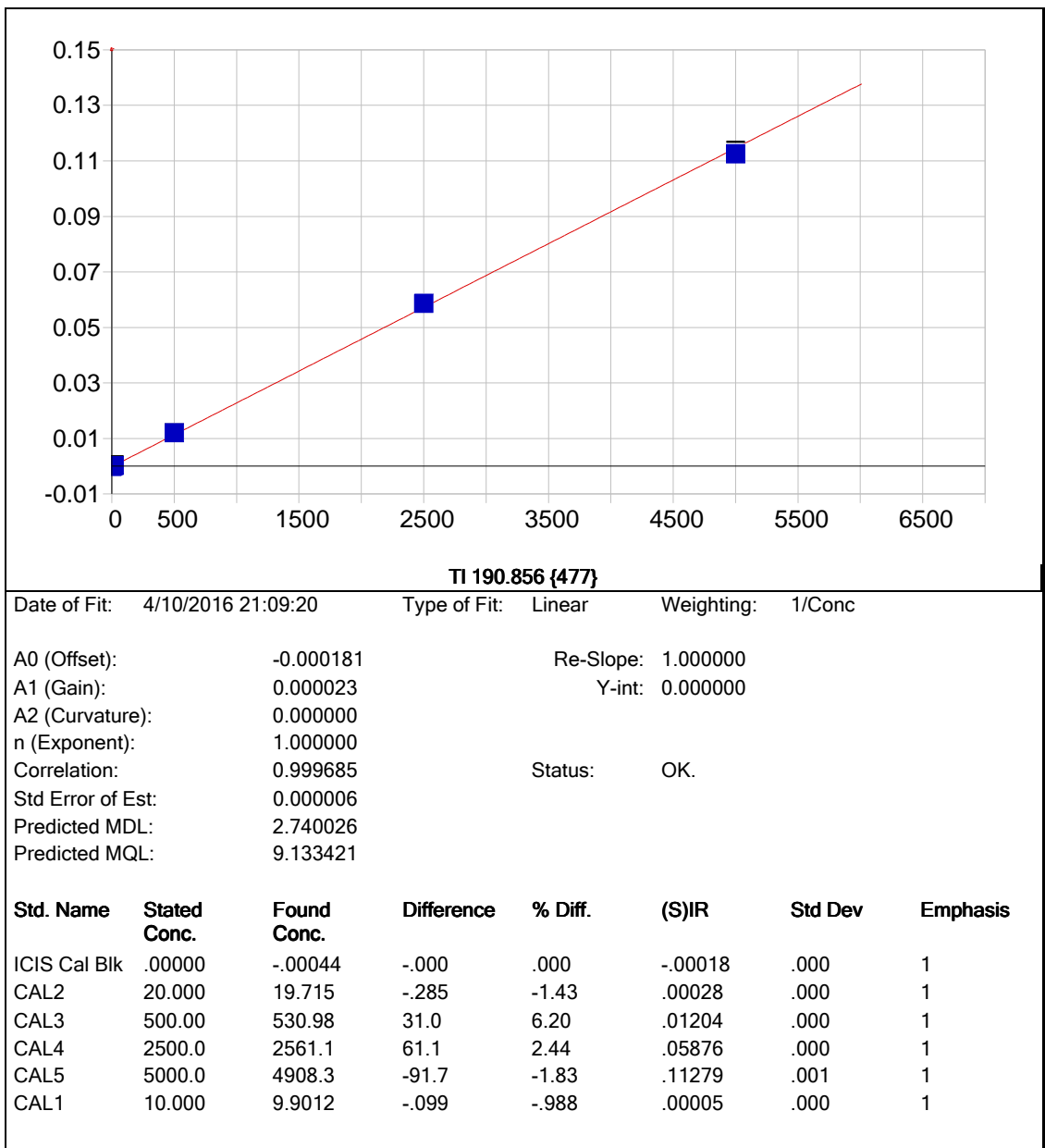


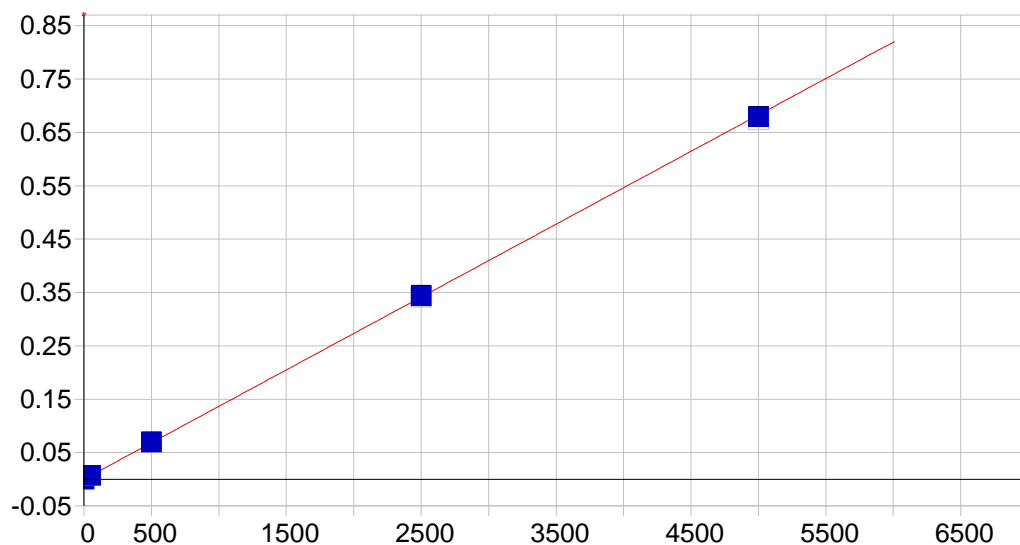
Se 196.090 {472}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000138 Re-Slope: 1.000000
 A1 (Gain): 0.000020 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999900 Status: OK.
 Std Error of Est: 0.000002
 Predicted MDL: 3.123789
 Predicted MQL: 10.412631

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00291	.003	.000	.00014	.000	1
CAL2	20.000	17.687	-2.31	-11.6	.00049	.000	1
CAL3	500.00	496.54	-3.46	-.692	.01001	.000	1
CAL4	2500.0	2521.4	21.4	.855	.05028	.000	1
CAL5	5000.0	4986.8	-13.2	-.265	.09930	.000	1
CAL1	5.0000	2.6776	-2.32	-46.4	.00019	.000	1



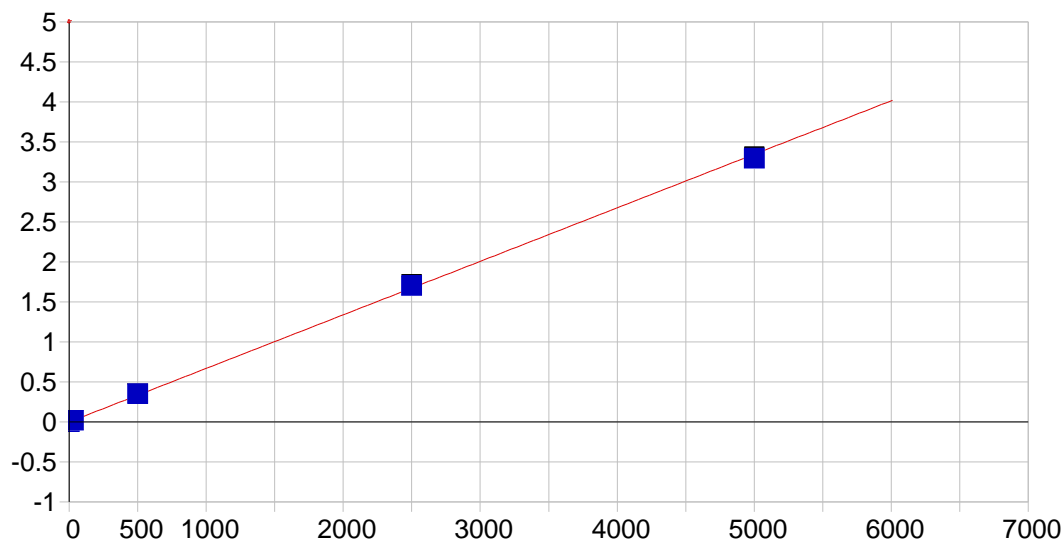


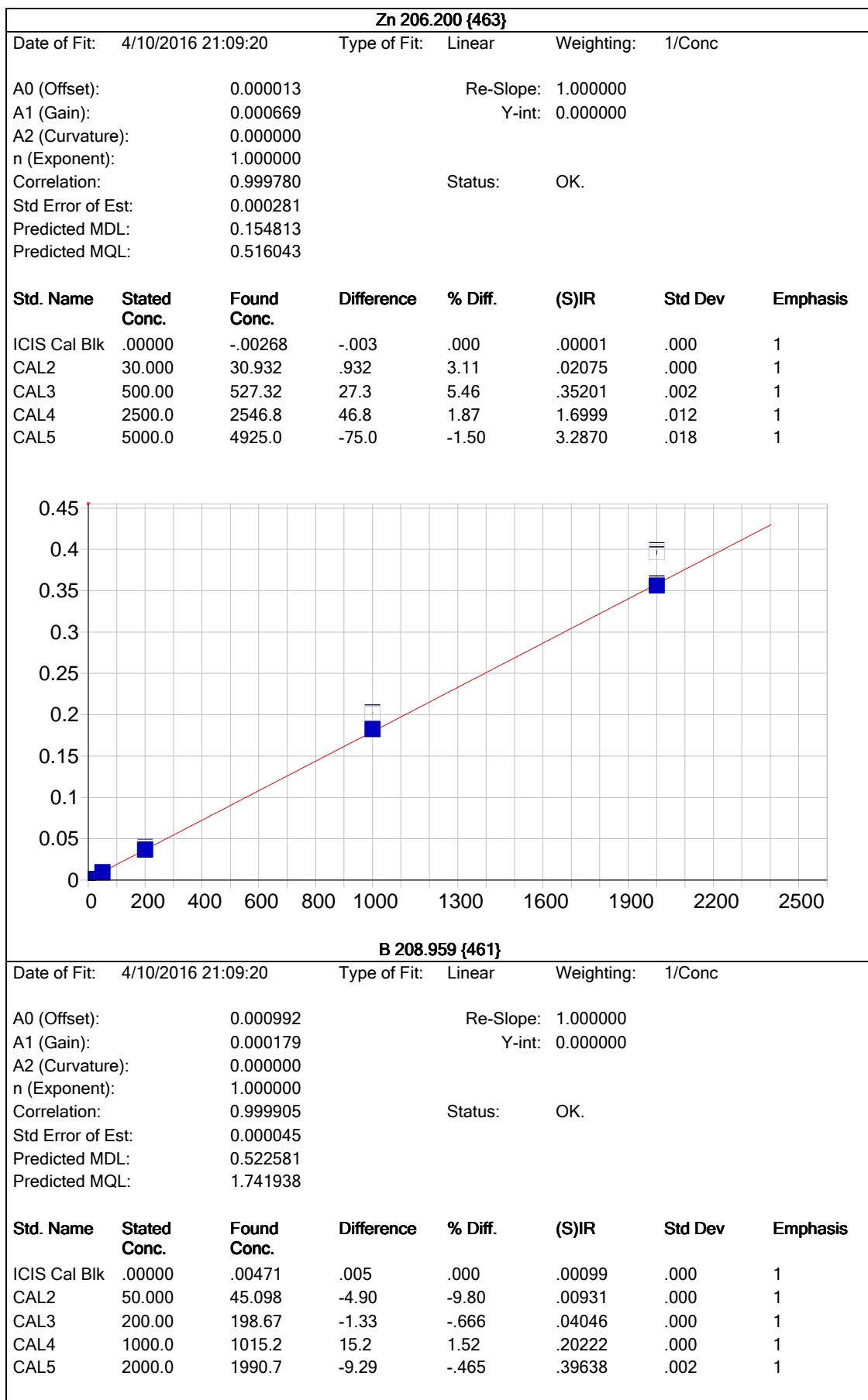
V 292.402 {115}

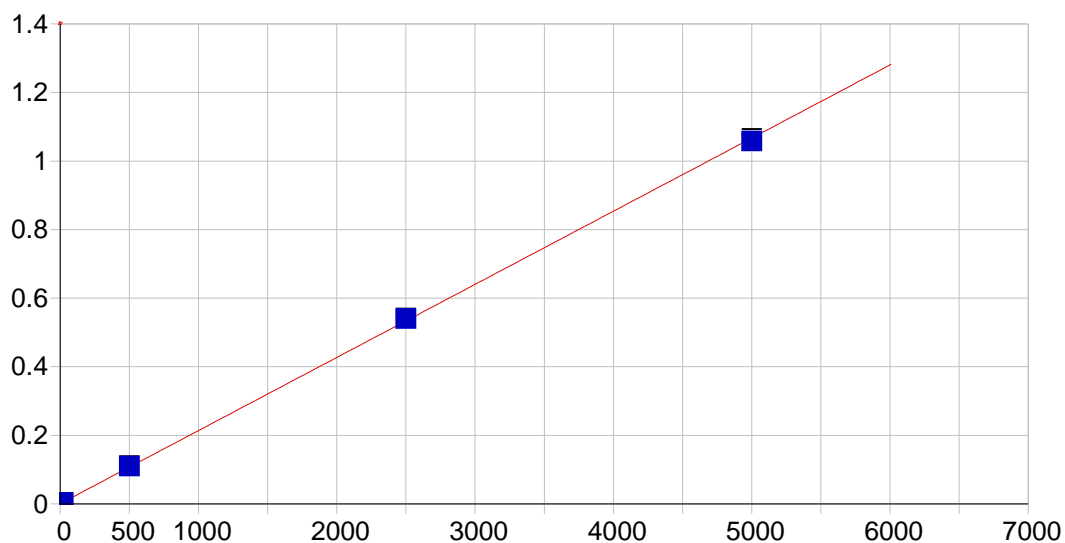
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000021 Re-Slope: 1.000000
 A1 (Gain): 0.000137 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999978 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 0.478232
 Predicted MQL: 1.594106

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00091	-.001	.000	-.00002	.000	1
CAL2	50.000	50.028	.028	.055	.00679	.000	1
CAL3	500.00	508.01	8.01	1.60	.06875	.000	1
CAL4	2500.0	2516.1	16.1	.645	.34058	.001	1
CAL5	5000.0	4975.8	-24.2	-.483	.67348	.000	1





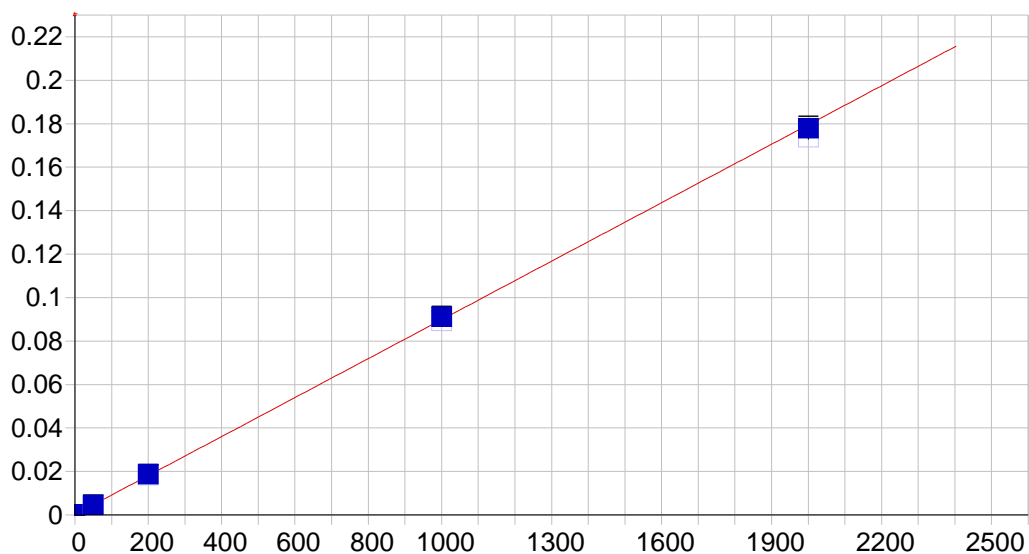


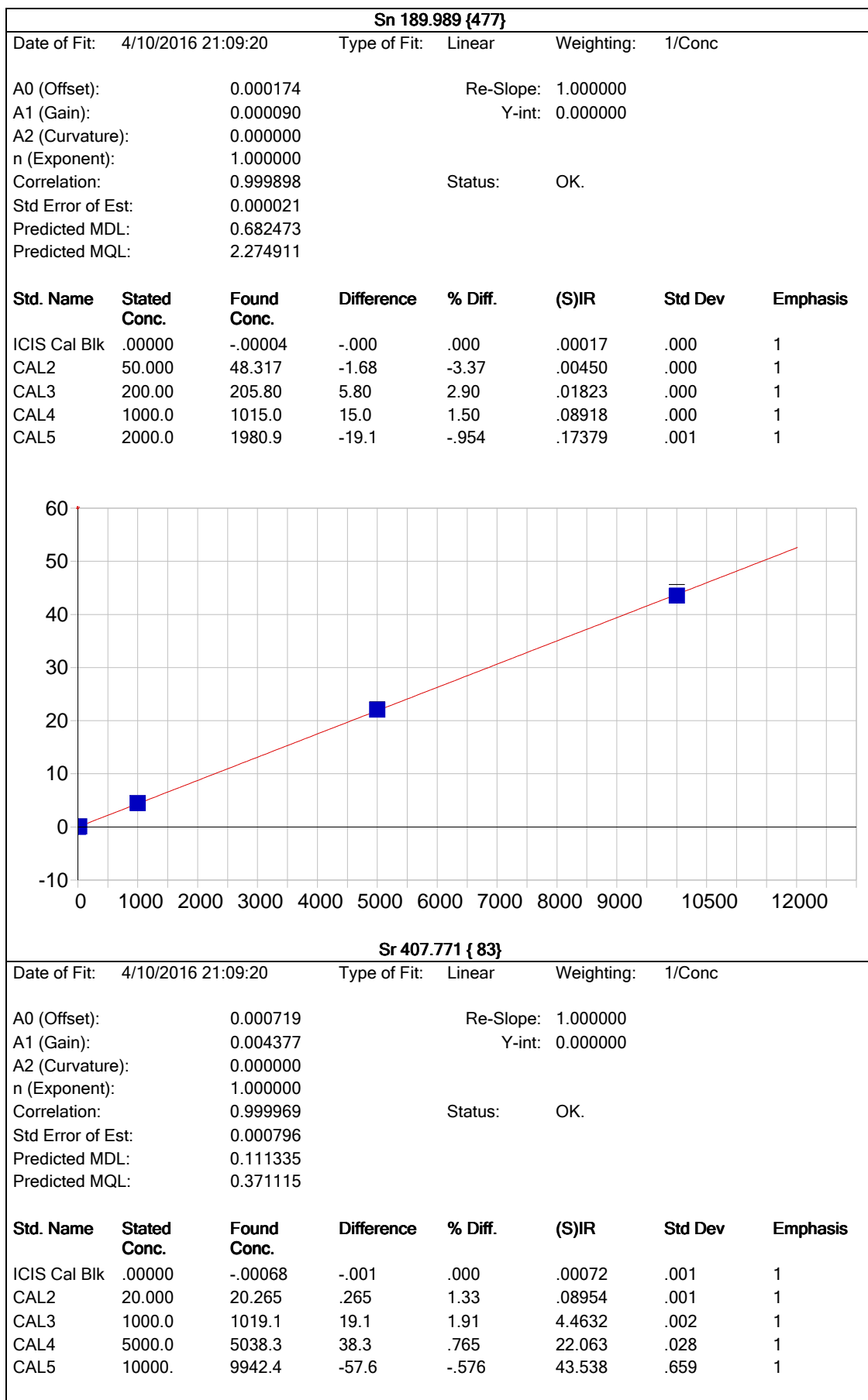
Mo 202.030 {467}

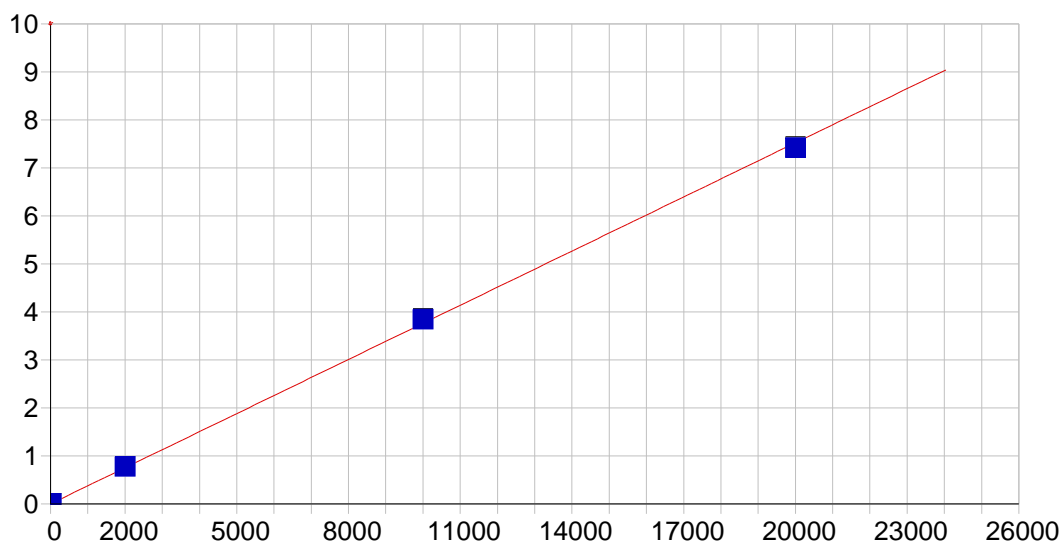
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000652 Re-Slope: 1.000000
 A1 (Gain): 0.000213 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999916 Status: OK.
 Std Error of Est: 0.000045
 Predicted MDL: 0.320171
 Predicted MQL: 1.067236

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00201	.002	.000	.00065	.000	1
CAL2	20.000	17.406	-2.59	-13.0	.00436	.000	1
CAL3	500.00	512.65	12.6	2.53	.10990	.000	1
CAL4	2500.0	2530.2	30.2	1.21	.53987	.001	1
CAL5	5000.0	4959.7	-40.3	-.806	1.0576	.006	1





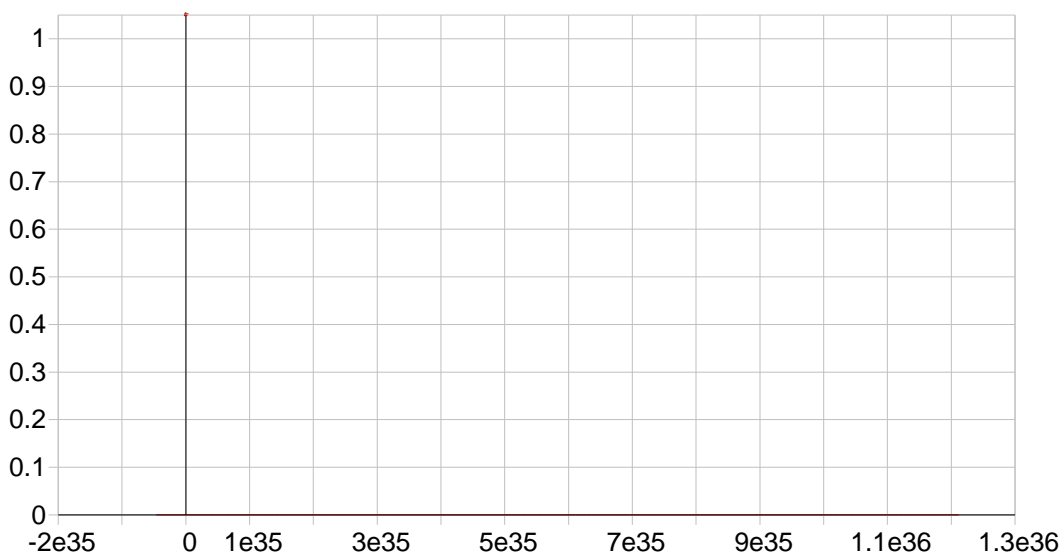


Ti 334.941 {101}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

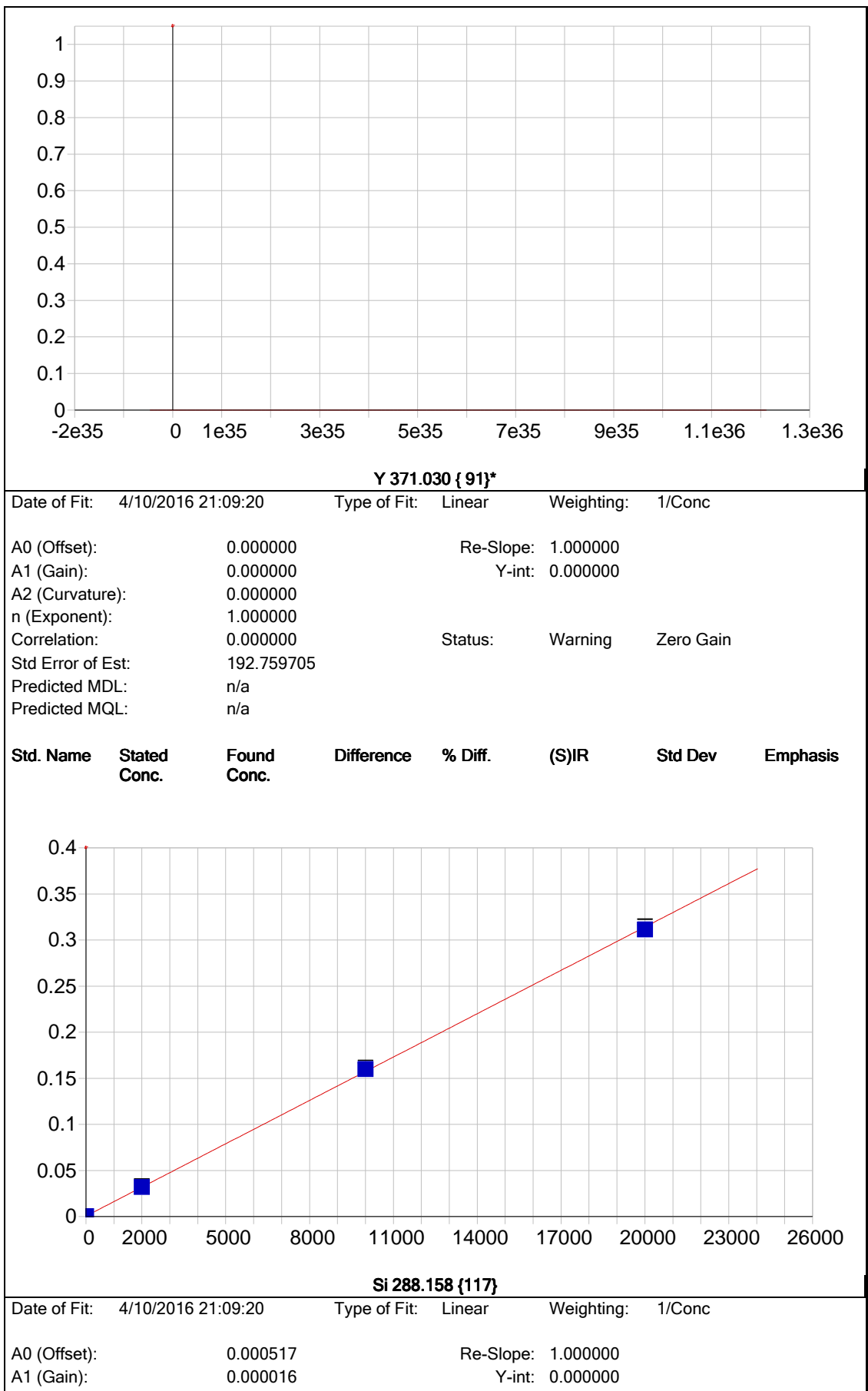
A0 (Offset): 0.000677 Re-Slope: 1.000000
 A1 (Gain): 0.000376 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999832 Status: OK.
 Std Error of Est: 0.000225
 Predicted MDL: 0.236266
 Predicted MQL: 0.787555

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00059	.001	.000	.00068	.000	1
CAL2	20.000	18.615	-1.38	-6.92	.00768	.000	1
CAL3	2000.0	2064.3	64.3	3.22	.77736	.002	1
CAL4	10000.	10217.	217.	2.17	3.8446	.008	1
CAL5	20000.	19720.	-280.	-1.40	7.4204	.014	1



Y 224.306 {450}* Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc							
A0 (Offset):	0.000000			Re-Slope:	1.000000		
A1 (Gain):	0.000000			Y-int:	0.000000		
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000			Status:	Warning	Zero Gain	
Std Error of Est:	183.492520						
Predicted MDL:	n/a						
Predicted MQL:	n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

Y 360.073 { 94}* Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc							
A0 (Offset):	0.000000			Re-Slope:	1.000000		
A1 (Gain):	0.000000			Y-int:	0.000000		
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000			Status:	Warning	Zero Gain	
Std Error of Est:	0.000000						
Predicted MDL:	n/a						
Predicted MQL:	n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999938			Status:	OK.		
Std Error of Est:	0.000062						
Predicted MDL:	17.004366						
Predicted MQL:	56.681219						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01701	-.017	.000	.00052	.000	1
CAL5	20000.	19837.	-163.	-.816	.31099	.003	1
CAL3	2000.0	2000.9	.855	.043	.03183	.001	1
CAL4	10000.	10162.	162.	1.62	.15958	.001	1

Sample Name: ICIS Cal Blk Acquired: 4/10/2016 14:01:08 Type: Cal
Method: BC04012016_P(v16) 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	-0.0008	-0.0001	-0.0000	.0002	-0.0003	.0022
Stddev	.0001	.0000	.0000	.0001	.0002	.0001
%RSD	18.73	62.26	111.3	57.81	87.03	6.312

#1	-0.0009	-0.0000	.0000	.0001	-0.0000	.0024
#2	-0.0006	-0.0001	-0.0000	.0003	-0.0005	.0021
#3	-0.0008	-0.0001	-0.0001	.0001	-0.0003	.0022

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	-0.0002	.0006	-0.0000	.0050	.0001	.0004
Stddev	.0001	.0000	.0000	.0003	.0000	.0014
%RSD	29.55	1.711	4782.	5.078	28.66	403.2

#1	-0.0002	.0006	.0000	.0053	.0001	.0017
#2	-0.0002	.0006	-0.0000	.0049	.0001	.0004
#3	-0.0001	.0006	-0.0000	.0048	.0001	-0.0011

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0004	.0084	.0000	-0.0001	-0.0001
Stddev	.0002	.0004	.0030	.0000	.0001	.0001
%RSD	118.1	109.4	35.44	804.5	75.96	50.03

#1	.0004	.0008	.0117	.0000	-0.0000	-0.0001
#2	.0001	.0001	.0077	-0.0000	-0.0001	-0.0001
#3	.0000	.0001	.0059	.0001	-0.0002	-0.0002

Sample Name: ICIS Cal Blk Acquired: 4/10/2016 14:01:08 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	-.0002	-.0000	.0000	.0010	.0007
Stddev	.0000	.0001	.0000	.0001	.0001	.0001
%RSD	21.62	44.21	221.4	516.7	11.12	16.09

#1	.0001	-.0001	.0000	-.0000	.0011	.0005
#2	.0002	-.0003	-.0001	.0001	.0010	.0007
#3	.0001	-.0002	.0000	-.0000	.0009	.0008

Elem	Sn1899	Sr4077	Ti3349	Si2881
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	.0007	.0007	.0005
Stddev	.0000	.0011	.0004	.0001
%RSD	28.04	152.6	59.87	19.76

#1	.0002	.0020	.0011	.0004
#2	.0002	.0001	.0004	.0005
#3	.0001	.0001	.0005	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9685.6	65305.	9597.4
Stddev	38.7	511.	148.5
%RSD	.39969	.78197	1.5470

#1	9642.0	64728.	9428.8
#2	9699.1	65700.	9708.6
#3	9715.8	65486.	9654.9

Sample Name: CAL1 Acquired: 4/10/2016 14:04:57 Type: Cal
Method: BC04012016_P(v16) 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	.0000
Stddev	.0000	.0001	.0000	.0000	.0000
%RSD	50.72	24.95	18.65	6.575	80.13
#1	.0000	.0002	.0003	.0002	.0000
#2	.0001	.0003	.0003	.0002	.0000
#3	.0001	.0003	.0002	.0002	.0001
Int. Std.	Y_2243				
Line	224.306 {450}				
Units	Cts/S				
Avg	9780.3				
Stddev	14.0				
%RSD	.14343				
#1	9771.5				
#2	9796.5				
#3	9772.9				

Sample Name: CAL2 Acquired: 4/10/2016 14:08:50 Type: Cal
Method: BC04012016_P(v16) 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	.0039	.0003	.0010	.0666	.0026	.0615
Stddev	.0001	.0001	.0001	.0002	.0001	.0000
%RSD	3.770	17.48	7.816	.2742	4.581	.0526

#1	.0039	.0003	.0010	.0664	.0027	.0615
#2	.0038	.0004	.0010	.0668	.0025	.0615
#3	.0041	.0004	.0011	.0665	.0027	.0615

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0030	.0338	.0008	.0088	.0010	.1497
Stddev	.0000	.0001	.0000	.0001	.0000	.0008
%RSD	1.035	.3293	6.157	1.408	1.750	.5489

#1	.0030	.0340	.0007	.0087	.0010	.1500
#2	.0030	.0338	.0008	.0086	.0010	.1503
#3	.0030	.0338	.0008	.0089	.0010	.1487

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0573	.0089	.5308	.0072	.0007	.0006
Stddev	.0001	.0000	.0023	.0000	.0000	.0001
%RSD	.1411	.3633	.4249	.4427	6.282	15.59

#1	.0573	.0089	.5282	.0073	.0007	.0005
#2	.0573	.0088	.5318	.0072	.0007	.0005
#3	.0574	.0089	.5323	.0072	.0007	.0007

Sample Name: CAL2 Acquired: 4/10/2016 14:08:50 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0003	.0068	.0208	.0093	.0044
Stddev	.0000	.0000	.0000	.0001	.0001	.0001
%RSD	4.138	14.35	.2234	.6978	1.277	1.801

#1	.0005	.0003	.0068	.0207	.0094	.0043
#2	.0005	.0002	.0068	.0209	.0094	.0045
#3	.0005	.0003	.0068	.0206	.0092	.0043

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	.0045	.0895	.0077
Stddev	.0000	.0007	.0000
%RSD	.9242	.7693	.4587

#1	.0046	.0893	.0077
#2	.0045	.0903	.0077
#3	.0045	.0890	.0077

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9769.3	66663.	9947.2
Stddev	8.4	81.	10.9
%RSD	.08578	.12204	.10941

#1	9768.0	66570.	9939.5
#2	9761.7	66716.	9942.5
#3	9778.3	66705.	9959.6

Sample Name: CAL3 Acquired: 4/10/2016 14:12:40 Type: Cal
Method: BC04012016_P(v16) 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	.5821	.0147	.0272	.6727	.2891	.3006
Stddev	.0013	.0001	.0002	.0009	.0004	.0003
%RSD	.2184	.5242	.7128	.1332	.1470	.0861

#1	.5830	.0148	.0272	.6737	.2896	.3004
#2	.5827	.0148	.0270	.6721	.2889	.3009
#3	.5807	.0147	.0273	.6721	.2888	.3004

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.2094	.3417	.0813	.4189	.1174	.3082
Stddev	.0004	.0000	.0001	.0011	.0001	.0007
%RSD	.1920	.0126	.1578	.2532	.0995	.2215

#1	.2093	.3417	.0814	.4179	.1172	.3089
#2	.2091	.3416	.0812	.4188	.1175	.3076
#3	.2098	.3417	.0813	.4200	.1173	.3082

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.2942	.5897	2.686	.0917	.1082	.0077
Stddev	.0007	.0004	.001	.0001	.0002	.0001
%RSD	.2409	.0652	.0288	.0734	.2230	.9923

#1	.2934	.5893	2.686	.0917	.1080	.0078
#2	.2944	.5900	2.685	.0917	.1082	.0076
#3	.2947	.5897	2.687	.0918	.1085	.0077

Sample Name: CAL3 Acquired: 4/10/2016 14:12:40 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0100	.0120	.0688	.3520	.0405	.1099
Stddev	.0001	.0000	.0001	.0015	.0001	.0000
%RSD	.5245	.3879	.1138	.4355	.1885	.0177

#1	.0100	.0121	.0688	.3506	.0405	.1099
#2	.0101	.0120	.0687	.3518	.0404	.1099
#3	.0100	.0121	.0688	.3537	.0405	.1099

Elem	Sn1899	Sr4077	Ti3349	Si2881
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	.0182	4.463	.7774	.0318
Stddev	.0000	.002	.0018	.0006
%RSD	.1877	.0510	.2348	1.911

#1	.0182	4.465	.7752	.0311
#2	.0182	4.464	.7784	.0321
#3	.0183	4.461	.7784	.0323

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9562.3	65463.	9859.7
Stddev	31.8	185.	164.4
%RSD	.33276	.28203	1.6677

#1	9581.7	65280.	9669.9
#2	9579.6	65460.	9959.1
#3	9525.6	65649.	9950.1

Sample Name: CAL4 Acquired: 4/10/2016 14:16:15 Type: Cal
Method: BC04012016_P(v16) 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	2.903	.0756	.1388	3.278	1.419	1.494
Stddev	.010	.0002	.0002	.008	.004	.008
%RSD	.3492	.2112	.1460	.2504	.3079	.5429

#1	2.909	.0758	.1391	3.287	1.422	1.502
#2	2.910	.0755	.1388	3.274	1.420	1.494
#3	2.892	.0755	.1387	3.272	1.414	1.486

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	1.011	1.658	.3969	2.124	.5688	1.574
Stddev	.004	.005	.0025	.002	.0027	.003
%RSD	.4015	.3040	.6366	.0833	.4669	.1944

#1	1.016	1.664	.3991	2.123	.5712	1.576
#2	1.009	1.655	.3975	2.123	.5692	1.575
#3	1.008	1.655	.3942	2.126	.5659	1.570

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	1.488	2.853	13.46	.4406	.5236	.0391
Stddev	.007	.010	.06	.0020	.0022	.0001
%RSD	.4552	.3544	.4426	.4534	.4114	.3265

#1	1.494	2.863	13.51	.4426	.5260	.0392
#2	1.489	2.854	13.48	.4407	.5221	.0390
#3	1.481	2.843	13.40	.4386	.5226	.0392

Sample Name: CAL4 Acquired: 4/10/2016 14:16:15 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0588	.3406	1.700	.2022	.5399
Stddev	.0002	.0000	.0009	.012	.0004	.0010
%RSD	.3100	.0477	.2705	.6773	.2036	.1899

#1	.0501	.0588	.3414	1.713	.2018	.5411
#2	.0503	.0588	.3407	1.694	.2026	.5392
#3	.0504	.0587	.3396	1.692	.2023	.5394

Elem	Sn1899	Sr4077	Ti3349	Si2881
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	.0892	22.06	3.845	.1596
Stddev	.0002	.03	.008	.0015
%RSD	.1931	.1282	.2148	.9303

#1	.0893	22.08	3.852	.1591
#2	.0892	22.08	3.846	.1584
#3	.0890	22.03	3.836	.1612

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9144.4	63128.	9733.3
Stddev	39.0	400.	154.2
%RSD	.42666	.63333	1.5843

#1	9099.4	62731.	9648.3
#2	9169.5	63122.	9640.2
#3	9164.2	63530.	9911.3

Sample Name: CAL5 Acquired: 4/10/2016 14:19:44 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.775	.1503	.2792	6.351	2.776	2.928
Stddev	.013	.0008	.0006	.034	.006	.007
%RSD	.2180	.5561	.2084	.5359	.2341	.2261

#1	5.766	.1502	.2786	6.367	2.769	2.934
#2	5.790	.1512	.2796	6.375	2.782	2.921
#3	5.771	.1495	.2796	6.312	2.776	2.928

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	1.957	3.234	.7754	4.222	1.105	3.171
Stddev	.010	.019	.0016	.004	.001	.005
%RSD	.5135	.5833	.2016	.0981	.1307	.1577

#1	1.961	3.242	.7772	4.224	1.106	3.168
#2	1.964	3.248	.7743	4.218	1.103	3.177
#3	1.945	3.213	.7748	4.226	1.104	3.169

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	2.950	5.467	26.38	.8529	1.015	.0782
Stddev	.005	.017	.17	.0048	.005	.0004
%RSD	.1835	.3072	.6634	.5585	.4964	.5682

#1	2.953	5.485	26.55	.8556	1.017	.0783
#2	2.943	5.452	26.38	.8557	1.020	.0786
#3	2.953	5.463	26.20	.8474	1.010	.0777

Sample Name: CAL5 Acquired: 4/10/2016 14:19:44 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0993	.1128	.6735	3.287	.3964	1.058
Stddev	.0003	.0009	.0005	.018	.0024	.006
%RSD	.2852	.7978	.0732	.5537	.6111	.6011

#1	.0993	.1133	.6739	3.303	.3950	1.059
#2	.0996	.1133	.6729	3.291	.3992	1.063
#3	.0990	.1117	.6736	3.267	.3950	1.051

Elem	Sn1899	Sr4077	Ti3349	Si2881
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	.1738	43.54	7.420	.3110
Stddev	.0010	.66	.014	.0031
%RSD	.5996	1.514	.1821	1.010

#1	.1741	43.40	7.436	.3145
#2	.1746	42.96	7.410	.3099
#3	.1726	44.25	7.415	.3085

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8773.4	60921.	9476.3
Stddev	46.6	397.	29.3
%RSD	.53142	.65182	.30923

#1	8723.6	60481.	9507.5
#2	8780.8	61253.	9472.1
#3	8815.9	61028.	9449.3

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121100.	2428.	1203.	9892.	979.5	121700.
Stddev	402.	1.	4.	9.	.9	349.
%RSD	.3316	.0329	.3500	.0917	.0899	.2869

#1	120600.	2428.	1207.	9888.	978.5	121600.
#2	121400.	2428.	1199.	9884.	979.9	122100.
#3	121100.	2427.	1205.	9902.	980.2	121500.

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	1226.	2441.	4910.	12120.	98000.	48170.
Stddev	1.	.	12.	27.	230.	235.
%RSD	.0870	.0097	.2367	.2203	.2344	.4872

#1	1227.	2441.	4908.	12140.	97970.	47910.
#2	1225.	2441.	4922.	12090.	98250.	48360.
#3	1227.	2441.	4899.	12130.	97790.	48230.

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

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121500.	4987.	121400.	2466.	7355.	962.8
Stddev	360.	8.	231.	3.	6.	1.0
%RSD	.2959	.1663	.1899	.1035	.0866	.0989

#1	121400.	4982.	121200.	2468.	7362.	962.0
#2	121900.	4997.	121700.	2463.	7349.	963.9
#3	121200.	4983.	121400.	2466.	7354.	962.7

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2406.	2459.	2438.	2471.	966.6	2404.
Stddev	4.	3.	3.	8.	2.1	.
%RSD	.1694	.1380	.1057	.3207	.2154	.0105

#1	2404.	2457.	2441.	2481.	964.2	2404.
#2	2403.	2458.	2437.	2466.	967.6	2404.
#3	2410.	2463.	2436.	2468.	968.1	2404.

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

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	972.6	4897.	9871.	9681.
Stddev	2.5	9.	1.	47.
%RSD	.2602	.1902	.0112	.4877

#1	975.5	4889.	9870.	9730.
#2	971.5	4907.	9870.	9636.
#3	970.8	4895.	9872.	9677.

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	9133.4	63165.	9680.8
Stddev	36.0	358.	64.8
%RSD	.39401	.56638	.66960

#1	9092.2	63059.	9732.7
#2	9149.8	62872.	9608.1
#3	9158.3	63564.	9701.5

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0592	-.0450	.6661	.0325	.0684	-7.669
Stddev	20.25	1.023	.2852	.3301	.0532	5.788
%RSD	34210.	2276.	42.82	1016.	77.84	75.48
#1	-13.53	-.2920	.6767	.3505	.1156	-.9851
#2	23.23	-.9224	.9458	.0555	.0107	-10.98
#3	-9.880	1.079	.3757	-.3085	.0787	-11.04

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	-.0057	-.0349	.1084	-.6593	4.710	45.06
Stddev	.0886	.0955	.8831	.3030	6.349	71.96
%RSD	1560.	273.7	814.9	45.95	134.8	159.7
#1	.0048	.0614	-.3685	-.3230	12.04	127.8
#2	-.0991	-.0365	1.127	-.9109	.9082	-3.180
#3	.0773	-.1296	-.4338	-.7439	1.182	10.60

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

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.68	-.3318	19.02	-.2097	.5062	1.244
Stddev	2.89	.1983	33.71	.2978	.4018	1.062
%RSD	27.02	59.76	177.2	142.0	79.38	85.32

#1	-11.27	-.1219	56.35	.0544	.4482	.1142
#2	-13.23	-.3576	9.927	-.1510	.1365	2.221
#3	-7.548	-.5160	-9.205	-.5325	.9339	1.398

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9485	.2593	-.0037	-.0700	.4186	.4164
Stddev	.8792	1.583	.5173	.1453	.4269	.1043
%RSD	92.69	610.6	14000.	207.7	102.0	25.06

#1	-1.964	.3368	.1749	.0788	.9044	.3775
#2	-.4361	-1.361	-.5866	-.0771	.2482	.3371
#3	-.4458	1.802	.4006	-.2115	.1031	.5346

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

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.206	.0096	-.3145	-6.634
Stddev	.566	.1841	.0778	4.546
%RSD	46.93	1914.	24.75	68.53

#1	-.9242	.1264	-.2869	-6.463
#2	-1.858	.1050	-.4023	-11.26
#3	-.8368	-.2026	-.2542	-2.176

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	9740.4	66238.	9861.6
Stddev	9.3	345.	46.6
%RSD	.09540	.52121	.47235

#1	9733.2	66246.	9821.3
#2	9737.2	66579.	9912.6
#3	9750.9	65889.	9851.0

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	203.9	13.73	9.805	205.6	1.972	5040.
Stddev	3.7	1.35	.660	.1	.085	12.
%RSD	1.826	9.825	6.729	.0679	4.332	.2372

#1	203.1	14.25	9.548	205.6	1.911	5027.
#2	207.9	12.20	10.55	205.7	2.070	5051.
#3	200.6	14.74	9.312	205.4	1.936	5042.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.012	51.40	9.819	22.39	148.9	4743.
Stddev	.035	.40	.475	.42	5.9	41.
%RSD	.8689	.7860	4.837	1.868	3.963	.8632

#1	4.052	51.08	9.354	22.31	145.9	4699.
#2	3.993	51.86	10.30	22.01	155.6	4779.
#3	3.991	51.27	9.799	22.84	145.0	4752.

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

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4902.	15.43	4919.	41.57	12.07	18.91
Stddev	41.	.19	22.	.82	.25	2.13
%RSD	.8270	1.261	.4384	1.970	2.098	11.24

#1	4857.	15.32	4936.	42.46	12.04	18.78
#2	4911.	15.32	4895.	41.42	11.84	16.86
#3	4937.	15.66	4925.	40.84	12.34	21.10

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.77	20.30	49.81	30.79	46.88	17.79
Stddev	2.14	.57	.33	.21	.44	.10
%RSD	13.59	2.795	.6652	.6721	.9401	.5529

#1	18.22	19.87	49.70	30.86	47.28	17.73
#2	14.85	20.94	49.55	30.96	46.41	17.91
#3	14.24	20.07	50.19	30.56	46.94	17.74

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

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	47.91	20.13	19.10	F -1.135
Stddev	.37	.10	.34	6.498
%RSD	.7623	.5011	1.799	572.5

#1	48.14	20.01	18.77	-1.585
#2	47.49	20.19	19.07	5.576
#3	48.11	20.19	19.46	-7.396

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	9740.0	66381.	9968.1
Stddev	9.3	82.	19.2
%RSD	.09585	.12317	.19295

#1	9729.2	66465.	9971.9
#2	9745.9	66302.	9947.2
#3	9744.9	66376.	9985.1

Sample Name: ICSA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	491200.	-3.618	-.0629	-2.696	-.1231	483700.
Stddev	2480.	3.582	.4960	.070	.0891	1845.
%RSD	.5049	99.02	788.5	2.583	72.38	.3815

#1	488400.	-7.245	.3213	-2.747	-.1380	485600.
#2	492900.	-3.527	.1128	-2.724	-.2038	483500.
#3	492400.	-.0819	-.6228	-2.617	-.0275	481900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1154	-.3416	-1.082	-4.418	191500.	133.5
Stddev	.3406	.2761	.765	.235	1107.	41.8
%RSD	295.1	80.83	70.72	5.332	.5778	31.31

#1	-.0084	-.0405	-.5687	-4.680	192500.	106.8
#2	.5006	-.4013	-1.961	-4.224	191800.	111.9
#3	-.1459	-.5830	-.7155	-4.349	190300.	181.6

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

Sample Name: ICSA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	495100.	-3.034	13.77	-3.077	.0787	-2.521
Stddev	1793.	.022	31.02	.172	1.727	4.327
%RSD	.3622	.7351	225.3	5.599	2195.	171.6

#1	496900.	-3.024	-13.81	-3.046	1.914	.6565
#2	495100.	-3.018	7.763	-2.922	-.1639	-7.450
#3	493300.	-3.059	47.35	-3.263	-1.514	-.7706

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.284	-2.962	-2.751	-1.849	-7.269	-.8596
Stddev	3.431	3.611	.428	.231	.709	.0443
%RSD	150.2	121.9	15.55	12.48	9.756	5.151

#1	3.939	-5.723	-2.257	-1.800	-8.030	-.8123
#2	-1.660	1.124	-2.978	-1.646	-6.626	-.8666
#3	4.574	-4.287	-3.016	-2.100	-7.152	-.9000

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

Sample Name: ICSEA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-3.039	-1.348	-5.825	6.154
Stddev	1.357	.022	.437	3.517
%RSD	44.64	1.640	7.504	57.15

#1	-1.482	-1.329	-6.008	3.429
#2	-3.969	-1.373	-6.141	10.12
#3	-3.665	-1.343	-5.326	4.909

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8769.1	60512.	9635.1
Stddev	26.7	325.	76.1
%RSD	.30503	.53671	.78961

#1	8738.5	60146.	9718.5
#2	8781.0	60623.	9569.4
#3	8787.8	60767.	9617.5

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498700.	92.46	101.8	98.20	97.59	491300.
Stddev	1586.	1.36	.8	.54	.13	66.
%RSD	.3181	1.471	.7409	.5498	.1284	.0134

#1	497300.	92.02	102.4	97.61	97.67	491300.
#2	500400.	91.37	101.0	98.67	97.65	491300.
#3	498400.	93.98	102.1	98.31	97.44	491400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.29	95.95	97.29	99.47	194500.	10240.
Stddev	.84	.53	.55	.26	418.	51.
%RSD	.8772	.5476	.5691	.2638	.2147	.4957

#1	95.35	96.27	97.00	99.26	194900.	10180.
#2	96.09	96.24	96.94	99.37	194100.	10270.
#3	94.43	95.34	97.92	99.76	194600.	10260.

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

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504000.	98.19	10380.	92.42	96.48	96.64
Stddev	564.	.43	34.	.19	2.76	2.27
%RSD	.1119	.4362	.3227	.2019	2.858	2.344

#1	503600.	98.50	10340.	92.62	94.51	94.26
#2	504600.	97.71	10400.	92.40	99.63	98.77
#3	503700.	98.37	10400.	92.25	95.31	96.90

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	92.41	93.39	95.16	92.93	93.22	91.92
Stddev	2.14	1.77	.39	.78	.78	.42
%RSD	2.313	1.898	.4141	.8408	.8403	.4573

#1	94.88	91.60	94.74	93.46	92.67	92.24
#2	91.25	95.15	95.21	93.29	94.12	92.08
#3	91.11	93.42	95.52	92.03	92.87	91.45

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

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	91.65	97.85	95.79	109.4
Stddev	1.33	.17	.16	14.3
%RSD	1.451	.1692	.1681	13.04

#1	91.00	97.66	95.94	113.5
#2	93.17	97.95	95.81	121.2
#3	90.76	97.93	95.62	93.53

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8731.6	59918.	9408.2
Stddev	25.4	347.	94.7
%RSD	.29130	.57920	1.0062

#1	8708.1	59744.	9514.0
#2	8758.6	60318.	9331.4
#3	8728.1	59693.	9379.2

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	195.2	-8490	-3.376	.5477	-.3154	14.89
Stddev	248.3	.2360	.379	.1508	.2060	16.44
%RSD	127.2	27.80	11.23	27.54	65.30	110.4
#1	60.62	-1.103	-3.512	.4834	-.3095	33.68
#2	481.8	-.6372	-2.947	.7200	-.1125	3.167
#3	43.30	-.8063	-3.668	.4397	-.5243	7.834

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5003	10180.	-2.702	-3.330	4.233	-22.29
Stddev	.1206	30.	.264	.448	5.842	20.24
%RSD	24.10	.2989	9.756	13.46	138.0	90.79
#1	-.4602	10200.	-2.615	-3.791	9.252	.5840
#2	-.4049	10190.	-2.493	-3.303	5.628	-37.86
#3	-.6358	10140.	-2.998	-2.896	-2.181	-29.59

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

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.461	-5.918	46.82	-2.708	-.7455	-2.089
Stddev	13.30	.0657	6.20	.411	.7253	1.479
%RSD	205.9	11.10	13.25	15.19	97.29	70.81

#1	20.59	-.5772	43.99	-2.809	-.0355	-1.573
#2	4.606	-.5346	53.93	-2.255	-.7159	-.9371
#3	-5.815	-.6635	42.54	-3.058	-1.485	-3.757

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

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	-4.447	-1.019	4900.	-1.562	8.907	-1.817
Stddev	2.435	2.254	3.	.126	.142	.383
%RSD	54.76	221.3	.0649	8.089	1.591	21.11

#1	-7.240	-1.810	4902.	-1.492	9.051	-2.040
#2	-3.327	1.524	4900.	-1.486	8.768	-1.374
#3	-2.773	-2.771	4896.	-1.708	8.903	-2.036

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

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	9741.	9777.	-1.750	10400.
Stddev	26.	171.	.434	195.
%RSD	.2681	1.748	24.78	1.875

#1	9762.	9639.	-2.211	10200.
#2	9749.	9968.	-1.688	10410.
#3	9711.	9724.	-1.351	10590.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9769.8	66508.	9977.3
Stddev	33.5	340.	152.3
%RSD	.34318	.51189	1.5264

#1	9731.5	66122.	9844.1
#2	9794.0	66634.	9944.5
#3	9783.9	66767.	10143.

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.385	1.255	.4339	-.6507	.4140	-103.8
Stddev	8.343	.528	.2065	.0739	.1195	3.5
%RSD	130.7	42.06	47.60	11.36	28.86	3.412
#1	2.149	1.050	.1955	-.7360	.3739	-103.3
#2	-6.782	.8599	.5602	-.6108	.5484	-107.6
#3	-14.52	1.854	.5460	-.6053	.3197	-100.5

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	.2682	-1.817	10040.	9522.	-52.60	-34.41
Stddev	.0092	.206	87.	34.	3.69	29.56
%RSD	3.416	11.34	.8659	.3566	7.024	85.89
#1	.2681	-1.644	10070.	9539.	-56.00	-62.80
#2	.2591	-2.045	10110.	9543.	-53.15	-36.62
#3	.2774	-1.763	9944.	9483.	-48.67	-3.812

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

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.58	10050.	-38.56	10340.	.1626	3.230
Stddev	3.99	82.	5.51	55.	.5751	1.308
%RSD	14.46	.8156	14.29	.5331	353.8	40.48

#1	31.19	10100.	-35.46	10370.	.7802	1.726
#2	28.25	10090.	-35.29	10380.	-.3575	3.873
#3	23.30	9951.	-44.92	10280.	.0650	4.093

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3651	-3.533	-3.579	-.2555	-8.871	4757.
Stddev	2.335	1.694	.678	.0363	.654	18.
%RSD	639.5	47.95	18.94	14.19	7.368	.3887

#1	.6731	-1.789	-2.818	-.2248	-8.854	4770.
#2	1.270	-3.636	-3.802	-.2955	-8.226	4765.
#3	-3.039	-5.173	-4.118	-.2463	-9.533	4736.

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

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.090	1.304	9811.	32.52
Stddev	.412	.409	55.	30.52
%RSD	10.07	31.40	.5642	93.87

#1	4.564	1.678	9842.	-2.267
#2	3.833	1.367	9844.	44.99
#3	3.871	.8667	9747.	54.83

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9628.9	66312.	10092.
Stddev	33.0	585.	10.
%RSD	.34275	.88174	.09811

#1	9611.1	65965.	10086.
#2	9608.7	65984.	10087.
#3	9667.0	66987.	10104.

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36980.	6.391	-.6239	60.87	.4142	24160.
Stddev	148.	1.473	.2229	.36	.0183	73.
%RSD	.3992	23.05	35.72	.5903	4.412	.3019

#1	36820.	5.044	-.8552	60.94	.3986	24190.
#2	37010.	7.964	-.4105	61.19	.4343	24220.
#3	37110.	6.165	-.6060	60.48	.4097	24080.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3951	53.14	103.0	388.7	84660.	5007.
Stddev	.1013	.40	.8	.7	359.	54.
%RSD	25.64	.7581	.7494	.1777	.4244	1.081

#1	-.2886	53.49	103.9	389.2	84940.	4972.
#2	-.4902	53.22	102.4	389.0	84780.	4979.
#3	-.4066	52.70	102.9	387.9	84250.	5069.

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

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28890.	667.7	2736.	112.2	8.168	3.932
Stddev	93.	2.3	11.	.3	.943	1.739
%RSD	.3209	.3439	.4097	.2859	11.55	44.24

#1	28920.	669.7	2723.	112.6	7.080	5.860
#2	28970.	668.1	2739.	112.1	8.754	3.452
#3	28790.	665.2	2745.	112.0	8.671	2.482

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.154	.2712	459.4	120.6	33.17	3.104
Stddev	4.865	2.488	1.9	.3	.53	.385
%RSD	117.1	917.1	.4186	.2657	1.608	12.41

#1	-2.468	-2.579	459.9	120.7	33.67	3.344
#2	-.3557	1.390	461.0	120.8	32.61	2.660
#3	-9.637	2.003	457.2	120.2	33.23	3.308

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

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.696	89.05	2206.	409.0
Stddev	.871	.19	8.	14.8
%RSD	23.56	.2129	.3775	3.609

#1	4.292	89.00	2213.	396.8
#2	2.697	88.88	2207.	404.8
#3	4.100	89.26	2197.	425.4

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	9685.1	66481.	10164.
Stddev	50.2	542.	48.
%RSD	.51876	.81598	.47014

#1	9627.2	65894.	10115.
#2	9711.2	66586.	10211.
#3	9716.9	66963.	10167.

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11770.	7.468	.0550	78.66	.6600	1505.
Stddev	40.	1.688	.0587	.11	.0363	8.
%RSD	.3388	22.60	106.7	.1342	5.499	.5586

#1	11720.	5.630	.0509	78.71	.7017	1502.
#2	11790.	8.947	-.0015	78.74	.6426	1515.
#3	11790.	7.829	.1158	78.54	.6357	1499.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9189	10.70	22.81	37.78	36400.	756.0
Stddev	.0338	.16	.71	.72	94.	22.1
%RSD	3.675	1.494	3.134	1.918	.2584	2.923

#1	.9522	10.88	23.43	37.80	36350.	754.2
#2	.8847	10.63	22.96	38.50	36500.	779.0
#3	.9197	10.59	22.03	37.05	36330.	734.9

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

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2338.	528.9	31.41	44.10	134.8	4.027
Stddev	22.	1.2	4.69	.18	.8	.712
%RSD	.9561	.2276	14.93	.3991	.5585	17.67

#1	2327.	528.3	36.73	44.25	134.6	4.813
#2	2364.	530.2	27.86	44.14	135.6	3.427
#3	2323.	528.1	29.64	43.90	134.1	3.842

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

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	.0189	1.607	36.01	375.8	-3.419	-.4364
Stddev	4.096	1.916	.41	.8	.150	.1253
%RSD	21670.	119.3	1.133	.2153	4.387	28.71

#1	-.4370	3.753	36.25	376.1	-3.592	-.5670
#2	-3.831	.0695	36.25	376.5	-3.338	-.3172
#3	4.324	.9968	35.54	374.9	-3.327	-.4251

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

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	5.398	7.739	407.9	527.8
Stddev	.219	.086	.5	13.7
%RSD	4.060	1.110	.1276	2.601

#1	5.211	7.642	408.2	513.9
#2	5.344	7.805	408.1	528.2
#3	5.639	7.770	407.3	541.4

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	9830.8	67129.	10190.
Stddev	43.7	365.	29.
%RSD	.44436	.54379	.28461

#1	9807.6	66859.	10223.
#2	9803.7	66984.	10175.
#3	9881.2	67544.	10171.

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13410.	15.85	.5132	388.7	.7721	11730.
Stddev	64.	1.14	.2727	.4	.0276	48.
%RSD	.4779	7.170	53.13	.1031	3.569	.4052

#1	13330.	15.94	.2485	388.6	.7463	11710.
#2	13450.	14.67	.4980	388.4	.8011	11790.
#3	13440.	16.94	.7932	389.2	.7688	11700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.86	15.53	90.77	189.2	58720.	853.8
Stddev	.20	.14	1.34	.3	115.	8.1
%RSD	1.865	.9325	1.477	.1739	.1955	.9531

#1	10.94	15.39	89.26	188.8	58710.	845.1
#2	10.63	15.51	91.84	189.4	58840.	855.2
#3	11.02	15.68	91.19	189.4	58610.	861.1

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

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8205.	696.2	416.8	100.3	2090.	5.232
Stddev	46.	.7	7.4	1.0	6.	1.267
%RSD	.5602	.0978	1.786	.9612	.2670	24.21

#1	8155.	696.0	410.0	99.15	2084.	5.185
#2	8246.	697.0	424.8	100.8	2095.	3.990
#3	8214.	695.8	415.7	100.9	2091.	6.522

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.640	1.315	56.71	1066.	-3.044	3.551
Stddev	2.073	3.342	.56	7.	.276	.243
%RSD	31.23	254.2	.9841	.6875	9.069	6.834

#1	-8.178	-8.878	56.62	1063.	-3.069	3.476
#2	-4.282	-.3288	57.30	1074.	-2.756	3.354
#3	-7.460	5.160	56.20	1060.	-3.306	3.822

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

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	88.40	28.25	502.9	715.3
Stddev	.32	.10	.8	3.3
%RSD	.3602	.3463	.1564	.4614

#1	88.74	28.18	502.9	712.8
#2	88.34	28.37	503.6	714.1
#3	88.11	28.22	502.0	719.1

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	9682.7	66284.	10040.
Stddev	87.4	661.	76.
%RSD	.90280	.99722	.75723

#1	9670.2	65760.	10072.
#2	9602.1	66065.	9952.8
#3	9775.6	67026.	10094.

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20330.	1916.	52.44	2481.	51.73	26300.
Stddev	63.	4.	.32	1.	.17	35.
%RSD	.3080	.1886	.6186	.0484	.3282	.1332

#1	20280.	1912.	52.11	2482.	51.71	26300.
#2	20310.	1919.	52.44	2480.	51.57	26270.
#3	20400.	1918.	52.76	2480.	51.91	26340.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.40	512.4	241.7	353.6	41690.	19080.
Stddev	.15	1.3	1.7	2.7	42.	73.
%RSD	.2872	.2606	.7137	.7560	.0996	.3813

#1	51.34	513.3	239.8	351.6	41650.	18990.
#2	51.29	513.1	242.2	352.7	41700.	19100.
#3	51.57	510.9	243.1	356.7	41730.	19130.

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

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23530.	1176.	19680.	604.3	1580.	469.4
Stddev	29.	1.	37.	.9	4.	.2
%RSD	.1245	.0520	.1903	.1408	.2455	.0475

#1	23540.	1176.	19640.	603.5	1580.	469.4
#2	23500.	1176.	19700.	604.2	1584.	469.1
#3	23550.	1177.	19710.	605.2	1576.	469.5

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1882.	2023.	562.9	1495.	492.9	476.7
Stddev	7.	14.	3.1	2.	3.5	1.2
%RSD	.3857	.7104	.5560	.1488	.7131	.2529

#1	1884.	2025.	560.4	1492.	491.7	477.7
#2	1874.	2007.	561.7	1497.	490.1	475.4
#3	1887.	2036.	566.4	1495.	496.9	477.2

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

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	593.1	571.7	1200.	1224.
Stddev	1.1	.4	1.	22.
%RSD	.1897	.0668	.0799	1.786

#1	592.3	571.8	1199.	1201.
#2	592.6	571.3	1200.	1244.
#3	594.4	572.0	1201.	1227.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9651.2	65755.	9926.8
Stddev	27.1	485.	29.5
%RSD	.28094	.73764	.29753

#1	9620.5	65235.	9892.7
#2	9661.1	65834.	9944.2
#3	9671.9	66196.	9943.5

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24050.	939.5	23.33	1786.	26.49	20830.
Stddev	150.	4.1	.23	3.	.16	130.
%RSD	.6220	.4354	.9895	.1670	.6072	.6253

#1	23900.	941.5	23.44	1787.	26.36	20710.
#2	24050.	942.2	23.49	1788.	26.44	20800.
#3	24200.	934.8	23.07	1782.	26.67	20970.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.38	262.5	143.4	221.7	80560.	10560.
Stddev	.10	.7	.7	.5	435.	128.
%RSD	.3942	.2532	.4783	.2266	.5404	1.208

#1	26.26	261.8	142.6	222.1	80140.	10430.
#2	26.43	262.7	143.6	221.9	80530.	10570.
#3	26.45	263.1	143.9	221.2	81010.	10680.

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

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13640.	1467.	9779.	333.6	1216.	175.8
Stddev	65.	4.	45.	1.2	2.	2.8
%RSD	.4795	.3029	.4631	.3493	.1524	1.575

#1	13590.	1462.	9739.	333.4	1215.	175.9
#2	13630.	1466.	9768.	332.5	1218.	172.9
#3	13710.	1471.	9828.	334.8	1214.	178.4

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	908.6	990.1	318.1	1291.	237.4	229.6
Stddev	3.5	5.4	.3	2.	.6	.6
%RSD	.3861	.5459	.0934	.1727	.2450	.2783

#1	907.8	985.5	318.0	1288.	237.9	228.9
#2	905.5	996.1	317.8	1292.	237.6	229.7
#3	912.4	988.9	318.4	1291.	236.8	230.1

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

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	257.4	340.6	1126.	1643.
Stddev	1.7	.8	2.	21.
%RSD	.6746	.2483	.1357	1.292

#1	255.4	340.3	1127.	1641.
#2	258.6	341.6	1128.	1665.
#3	258.2	340.0	1125.	1623.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9646.9	65506.	9758.3
Stddev	17.2	479.	324.4
%RSD	.17820	.73132	3.3242

#1	9627.1	65781.	9998.0
#2	9655.6	65784.	9887.7
#3	9658.0	64953.	9389.2

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16080.	14.38	.5683	486.3	1.135	6008.
Stddev	123.	1.84	.4492	2.6	.115	32.
%RSD	.7661	12.82	79.04	.5327	10.12	.5378

#1	16230.	16.49	.2236	489.3	1.058	6042.
#2	16020.	13.58	.4050	485.2	1.267	6004.
#3	16010.	13.07	1.076	484.5	1.081	5978.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.327	10.88	41.91	2966.	39010.	1415.
Stddev	.127	.33	.85	22.	200.	38.
%RSD	5.458	3.008	2.034	.7272	.5136	2.718

#1	2.469	11.25	42.06	2991.	39210.	1397.
#2	2.224	10.74	40.99	2951.	39000.	1460.
#3	2.288	10.64	42.67	2957.	38810.	1389.

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

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3370.	617.0	123.5	77.42	926.1	2.406
Stddev	19.	2.8	23.8	1.17	3.0	1.635
%RSD	.5731	.4563	19.25	1.512	.3190	67.96

#1	3390.	620.3	149.2	78.73	928.2	3.703
#2	3369.	615.8	119.3	77.05	927.3	2.946
#3	3351.	615.1	102.2	76.48	922.7	.5692

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4426	.3219	67.37	974.0	-1.676	.1421
Stddev	2.374	1.193	1.26	.6	.997	.5393
%RSD	536.3	370.7	1.872	.0574	59.47	379.5

#1	3.100	.4966	68.83	974.1	-.5254	.7347
#2	-1.467	-.9492	66.56	974.5	-2.280	.0116
#3	-.3048	1.418	66.73	973.4	-2.222	-.3200

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

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.67	60.20	734.9	1057.
Stddev	.55	.49	4.5	16.
%RSD	3.316	.8222	.6109	1.556

#1	16.71	60.75	740.1	1076.
#2	16.11	60.04	732.5	1047.
#3	17.21	59.80	732.2	1048.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9869.7	67377.	10148.
Stddev	36.2	181.	46.
%RSD	.36691	.26796	.45256

#1	9827.9	67187.	10126.
#2	9889.9	67397.	10201.
#3	9891.4	67547.	10117.

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121400.	2441.	1213.	9918.	986.5	122900.
Stddev	483.	13.	5.	14.	2.8	467.
%RSD	.3979	.5342	.3731	.1450	.2873	.3797

#1	121400.	2426.	1208.	9923.	984.2	122700.
#2	121900.	2447.	1216.	9929.	989.7	123500.
#3	120900.	2450.	1216.	9902.	985.7	122600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1226.	2448.	4971.	12240.	98830.	48230.
Stddev	1.	3.	18.	55.	298.	139.
%RSD	.1150	.1395	.3600	.4512	.3017	.2877

#1	1227.	2445.	4954.	12180.	98680.	48200.
#2	1226.	2452.	4989.	12240.	99170.	48380.
#3	1224.	2449.	4971.	12290.	98640.	48110.

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

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123300.	5040.	123100.	2474.	7374.	973.5
Stddev	555.	16.	458.	4.	18.	3.2
%RSD	.4500	.3223	.3721	.1693	.2424	.3283

#1	122900.	5028.	123200.	2471.	7386.	970.5
#2	124000.	5059.	123500.	2478.	7382.	973.2
#3	123100.	5034.	122600.	2471.	7353.	976.9

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2404.	2456.	2459.	2469.	970.1	2408.
Stddev	21.	8.	5.	8.	8.6	3.
%RSD	.8641	.3242	.2059	.3155	.8814	.1413

#1	2383.	2464.	2453.	2476.	960.2	2405.
#2	2405.	2448.	2463.	2469.	974.3	2412.
#3	2424.	2455.	2460.	2461.	975.7	2408.

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

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	973.5	4891.	9972.	9644.
Stddev	2.6	10.	33.	67.
%RSD	.2701	.2028	.3319	.6953

#1	971.1	4890.	9934.	9570.
#2	976.3	4902.	9996.	9662.
#3	973.2	4882.	9986.	9700.

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	9192.5	63000.	9719.2
Stddev	7.1	242.	109.9
%RSD	.07710	.38337	1.1311

#1	9186.3	62983.	9619.3
#2	9191.0	62768.	9701.2
#3	9200.3	63250.	9837.0

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.274	-.9392	.3684	-.2388	.0271	-18.37
Stddev	13.91	.6219	.4131	.1374	.0900	8.21
%RSD	191.2	66.21	112.2	57.52	332.2	44.68

#1	9.094	-1.615	.3885	-.3000	.0325	-13.59
#2	-7.456	-.8115	.7710	-.0815	-.0655	-27.85
#3	20.18	-.3911	-.0545	-.3349	.1143	-13.67

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0154	-.2276	-1.023	-1.145	-5.538	-8.159
Stddev	.0548	.0866	.086	.474	5.081	53.10
%RSD	354.9	38.06	8.379	41.36	91.74	650.8

#1	.0029	-.1456	-.9742	-.7480	-7.752	35.51
#2	-.0320	-.2190	-1.122	-1.670	.2740	7.285
#3	.0754	-.3183	-.9737	-1.018	-9.136	-67.27

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

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.47	-4.830	-29.84	-5.842	-4.174	1.272
Stddev	6.34	.0731	20.04	.3762	.6204	1.375
%RSD	55.27	15.14	67.15	64.39	148.6	108.1

#1	-11.98	-.4025	-6.732	-.1607	-.2204	-.1843
#2	-4.893	-.5015	-40.42	-.8795	-1.112	2.548
#3	-17.54	-.5452	-42.37	-.7123	.0806	1.452

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.644	.0985	.2317	-.1150	-2.155	-.5198
Stddev	2.020	.1037	.1502	.0508	.501	.1306
%RSD	122.8	105.2	64.83	44.15	23.27	25.12

#1	-.6824	-.0122	.3472	-.1440	-1.621	-.3760
#2	2.950	.1147	.0619	-.0564	-2.616	-.5522
#3	2.666	.1932	.2861	-.1446	-2.226	-.6310

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

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.7332	-.2127	-.8755	2.124
Stddev	.1856	.0590	.3247	18.19
%RSD	25.32	27.72	37.09	856.4

#1	-.5188	-.1698	-1.231	23.13
#2	-.8425	-.1884	-.8012	-8.679
#3	-.8382	-.2799	-.5944	-8.075

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	9675.5	65599.	9893.6
Stddev	10.3	616.	193.3
%RSD	.10664	.93858	1.9539

#1	9684.2	66257.	10107.
#2	9678.2	65501.	9730.2
#3	9664.1	65038.	9843.5

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	198.7	14.80	9.683	206.5	2.009	5068.
Stddev	10.6	1.49	.450	.2	.041	18.
%RSD	5.350	10.07	4.642	.0868	2.053	.3639

#1	196.3	14.26	9.562	206.3	1.965	5056.
#2	210.4	13.65	10.18	206.7	2.047	5090.
#3	189.5	16.48	9.306	206.4	2.015	5059.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.010	51.48	9.948	23.45	151.7	4688.
Stddev	.037	.25	.600	.57	2.4	24.
%RSD	.9125	.4920	6.027	2.446	1.596	.5127

#1	4.036	51.46	10.62	23.97	149.9	4694.
#2	4.027	51.74	9.741	23.55	154.5	4708.
#3	3.968	51.23	9.479	22.83	150.7	4661.

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

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4939.	15.60	4917.	41.53	11.28	19.51
Stddev	25.	.08	7.	.25	.69	1.89
%RSD	.5041	.5434	.1482	.5902	6.147	9.699

#1	4919.	15.57	4910.	41.81	10.68	20.88
#2	4967.	15.70	4918.	41.34	11.12	17.35
#3	4930.	15.54	4924.	41.45	12.04	20.31

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

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	16.19	19.63	50.43	30.93	45.62	17.66
Stddev	.88	2.73	.15	.14	.33	.25
%RSD	5.445	13.91	.3055	.4603	.7193	1.401

#1	15.21	16.81	50.35	30.76	45.63	17.43
#2	16.92	22.26	50.61	31.02	45.95	17.92
#3	16.44	19.81	50.33	30.99	45.29	17.64

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

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	47.66	19.96	19.18	F 3.414
Stddev	.54	.04	.17	3.657
%RSD	1.127	.2166	.8713	107.1

#1	47.51	19.93	19.34	-.7907
#2	48.26	20.01	19.01	5.181
#3	47.21	19.94	19.20	5.852

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	9715.1	65952.	9961.9
Stddev	19.2	285.	60.4
%RSD	.19793	.43277	.60586

#1	9693.0	65779.	9907.4
#2	9727.7	65795.	10027.
#3	9724.6	66281.	9951.5

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18410.	14.38	.3401	497.5	1.198	6782.
Stddev	12.	1.35	.3375	.9	.065	50.
%RSD	.0633	9.386	99.23	.1838	5.422	.7330

#1	18400.	13.03	.6642	497.5	1.169	6737.
#2	18420.	14.39	.3654	498.4	1.153	6836.
#3	18420.	15.73	-.0093	496.6	1.273	6774.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.949	12.83	36.20	110.4	41230.	1411.
Stddev	.030	.38	.63	.4	89.	11.
%RSD	1.522	2.956	1.732	.3921	.2159	.7613

#1	1.961	12.88	35.51	110.0	41230.	1419.
#2	1.970	13.17	36.74	110.3	41330.	1416.
#3	1.915	12.42	36.35	110.9	41150.	1399.

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

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4317.	675.0	140.5	95.18	1104.	1.330
Stddev	36.	1.2	4.3	.54	3.	1.000
%RSD	.8335	.1728	3.096	.5663	.2342	75.20

#1	4284.	674.7	143.4	95.29	1101.	.8134
#2	4356.	676.3	142.5	94.59	1105.	2.482
#3	4311.	674.0	135.5	95.65	1107.	.6936

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

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	-1.122	.6191	65.49	1005.	-2.538	-.0891
Stddev	2.946	1.093	.58	2.	.352	.2371
%RSD	262.7	176.5	.8870	.2354	13.86	266.0

#1	1.636	1.682	64.84	1007.	-2.850	.1842
#2	-4.226	-.5013	65.96	1002.	-2.606	-.2392
#3	-.7740	.6769	65.68	1005.	-2.157	-.2125

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

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	101.4	83.29	696.1	1197.
Stddev	.7	.72	1.9	30.
%RSD	.6581	.8595	.2679	2.496

#1	101.6	82.81	697.8	1173.
#2	102.0	82.95	696.3	1187.
#3	100.7	84.11	694.1	1230.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9720.2	66174.	10141.
Stddev	71.4	494.	130.
%RSD	.73490	.74674	1.2865

#1	9638.9	65844.	10018.
#2	9773.2	65936.	10128.
#3	9748.3	66742.	10278.

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3743.	2.585	.2357	99.61	.2107	1370.
Stddev	13.	.555	.2573	.31	.1357	8.
%RSD	.3340	21.48	109.2	.3115	64.40	.6090

#1	3752.	2.202	.3054	99.96	.3573	1362.
#2	3748.	2.332	-.0492	99.42	.1855	1378.
#3	3729.	3.222	.4509	99.44	.0894	1368.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2346	2.243	7.112	20.29	8523.	218.1
Stddev	.0824	.213	.500	.36	30.	40.0
%RSD	35.11	9.479	7.034	1.794	.3540	18.34

#1	.1456	1.998	7.358	20.21	8488.	180.9
#2	.2500	2.353	7.442	19.97	8542.	260.4
#3	.3081	2.377	6.537	20.69	8538.	213.1

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

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	866.0	139.5	-18.14	19.48	223.1	.6156
Stddev	7.1	.8	5.96	.59	.7	.3444
%RSD	.8212	.5474	32.89	3.047	.2957	55.95

#1	860.1	138.6	-16.77	19.13	223.8	.7741
#2	863.8	140.0	-12.97	20.16	223.1	.2204
#3	873.9	139.8	-24.66	19.14	222.5	.8523

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.435	-2.035	13.07	208.4	-3.163	-1.944
Stddev	.338	1.430	.11	.3	.266	.216
%RSD	9.825	70.29	.8033	.1522	8.400	11.13

#1	-3.217	-.7405	13.19	208.1	-3.306	-1.960
#2	-3.265	-1.793	13.00	208.7	-3.328	-2.152
#3	-3.824	-3.570	13.03	208.2	-2.857	-1.720

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

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	19.62	16.60	140.1	237.3
Stddev	.34	.12	.7	3.5
%RSD	1.741	.7108	.5058	1.495

#1	19.70	16.53	139.3	240.5
#2	19.24	16.74	140.5	233.5
#3	19.91	16.54	140.5	238.0

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	9641.9	65197.	9762.2
Stddev	4.8	472.	133.2
%RSD	.04956	.72353	1.3649

#1	9643.6	65741.	9915.6
#2	9645.6	64924.	9695.4
#3	9636.5	64925.	9675.5

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.520	-1.381	.2603	-.2832	.0859	-13.36
Stddev	3.828	.821	.3164	.0617	.1669	1.61
%RSD	108.8	59.43	121.5	21.77	194.1	12.02
#1	7.664	-1.947	.5409	-.2346	-.0827	-14.56
#2	2.781	-.4397	-.0826	-.2624	.2510	-13.97
#3	.1149	-1.756	.3226	-.3525	.0896	-11.53
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	-.1956	-.3065	-.0643	-1.996	9.190	-63.10
Stddev	.0280	.1551	.2753	.397	7.054	21.62
%RSD	14.29	50.59	428.1	19.89	76.76	34.26
#1	-.1687	-.3475	.0761	-1.570	5.315	-78.08
#2	-.2245	-.4370	.1125	-2.061	17.33	-72.89
#3	-.1935	-.1351	-.3815	-2.357	4.924	-38.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.39	-.4322	-58.88	-.0131	.4610	.6993
Stddev	1.55	.0139	8.10	.2868	.8320	1.058
%RSD	14.90	3.224	13.76	2187.	180.4	151.3

#1	-8.998	-.4166	-58.59	-.2216	1.252	1.264
#2	-10.11	-.4434	-67.13	.3140	.5374	1.356
#3	-12.05	-.4367	-50.93	-.1317	-.4065	-.5212

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

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	-2.051	-3.584	-.2624	1.190	-2.918	-2.330
Stddev	2.072	2.148	.3617	.083	.312	.235
%RSD	101.1	59.93	137.9	7.013	10.68	10.07

#1	-4.439	-3.343	-.6664	1.227	-2.558	-2.121
#2	-.7288	-5.842	.0313	1.248	-3.106	-2.584
#3	-.9840	-1.567	-.1519	1.094	-3.089	-2.286

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

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	9.074	-.0934	-2.229	9.471
Stddev	.664	.0664	.180	3.236
%RSD	7.317	71.06	8.061	34.16

#1	9.528	-.1679	-2.152	8.329
#2	9.383	-.0406	-2.101	13.12
#3	8.312	-.0717	-2.435	6.962

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	9692.9	66254.	10099.
Stddev	42.9	1289.	248.
%RSD	.44248	1.9450	2.4577

#1	9645.7	64767.	9813.1
#2	9729.4	67043.	10253.
#3	9703.6	66953.	10232.

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39110.	743.6	156.0	1130.	507.4	29200.
Stddev	354.	8.6	2.5	15.	5.1	430.
%RSD	.9046	1.150	1.596	1.315	1.011	1.474

#1	38850.	734.5	153.7	1116.	503.1	28770.
#2	38960.	744.9	155.7	1128.	506.2	29200.
#3	39510.	751.5	158.7	1145.	513.1	29630.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	459.9	833.1	767.6	892.1	74810.	11540.
Stddev	5.5	10.4	9.9	9.4	959.	165.
%RSD	1.190	1.250	1.290	1.056	1.282	1.428

#1	454.6	822.7	757.3	882.2	73850.	11430.
#2	459.5	833.1	768.3	893.1	74810.	11450.
#3	465.5	843.5	777.1	901.0	75770.	11730.

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

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13340.	1696.	4239.	718.3	774.8	417.1
Stddev	164.	21.	41.	11.2	11.0	7.8
%RSD	1.232	1.245	.9746	1.557	1.424	1.881

#1	13180.	1675.	4206.	708.1	764.5	409.3
#2	13330.	1695.	4225.	716.4	773.5	417.2
#3	13500.	1718.	4285.	730.2	786.5	425.0

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	891.6	769.2	589.8	1026.	685.0	603.0
Stddev	13.4	11.7	5.9	11.	11.5	8.4
%RSD	1.498	1.521	1.002	1.100	1.681	1.385

#1	880.8	757.9	583.5	1017.	673.5	594.6
#2	887.3	768.3	590.6	1023.	684.9	602.9
#3	906.5	781.3	595.3	1039.	696.5	611.3

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

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	740.6	529.1	1694.	2115.
Stddev	10.2	4.8	18.	34.
%RSD	1.372	.9115	1.046	1.589

#1	730.6	526.0	1676.	2077.
#2	740.2	526.8	1693.	2126.
#3	751.0	534.7	1712.	2142.

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	9793.7	66667.	10264.
Stddev	44.1	253.	71.
%RSD	.45030	.37994	.69276

#1	9743.2	66383.	10186.
#2	9813.6	66748.	10324.
#3	9824.4	66870.	10284.

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16570.	9.953	.6892	2049.	.8436	2610.
Stddev	36.	.318	.1598	9.	.0844	12.
%RSD	.2164	3.194	23.18	.4406	10.01	.4615

#1	16530.	10.22	.7824	2054.	.9410	2597.
#2	16600.	9.603	.5048	2055.	.7984	2612.
#3	16580.	10.03	.7806	2039.	.7914	2620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6966	10.84	30.26	94.35	33030.	788.5
Stddev	.0771	.41	.93	.90	43.	12.1
%RSD	11.07	3.820	3.063	.9558	.1306	1.534

#1	.7828	11.30	30.74	95.01	33060.	776.1
#2	.6342	10.49	29.19	94.71	33040.	789.0
#3	.6728	10.74	30.85	93.32	32980.	800.3

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

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2749.	872.4	8.908	39.01	10090.	1.985
Stddev	6.	.7	4.523	.34	26.	.788
%RSD	.2290	.0750	50.78	.8845	.2581	39.68

#1	2745.	871.9	4.058	38.71	10100.	2.863
#2	2747.	873.2	13.01	38.92	10110.	1.338
#3	2756.	872.3	9.657	39.38	10060.	1.756

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

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	.6684	-1.4870	33.05	675.6	-1.174	-1.020
Stddev	1.608	1.007	.28	2.1	.816	.119
%RSD	240.5	206.7	.8476	.3153	69.51	11.69

#1	-1.136	.6755	32.84	674.3	-.4073	-1.157
#2	1.949	-1.061	33.37	678.1	-1.084	-.9686
#3	1.192	-1.076	32.93	674.5	-2.032	-.9355

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

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	10.59	49.02	615.7	934.1
Stddev	.62	.19	1.7	15.0
%RSD	5.825	.3964	.2761	1.611

#1	10.85	48.91	617.2	928.6
#2	11.03	48.91	616.0	922.6
#3	9.885	49.25	613.9	951.2

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	9697.2	65828.	10066.
Stddev	5.2	86.	51.
%RSD	.05328	.13085	.50962

#1	9701.4	65740.	10121.
#2	9691.4	65832.	10057.
#3	9698.7	65913.	10020.

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18130.	25.14	.7641	1310.	.8799	28180.
Stddev	45.	.84	.2390	4.	.0257	98.
%RSD	.2478	3.350	31.28	.2971	2.917	.3486

#1	18090.	25.28	.9786	1312.	.9086	28280.
#2	18110.	24.23	.8073	1313.	.8591	28080.
#3	18180.	25.90	.5064	1306.	.8719	28180.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.152	16.35	60.64	216.8	79350.	1475.
Stddev	.090	.29	.67	.6	193.	27.
%RSD	1.261	1.757	1.106	.2912	.2430	1.859

#1	7.134	16.68	60.72	216.4	79570.	1465.
#2	7.250	16.17	61.27	217.5	79190.	1506.
#3	7.073	16.18	59.93	216.4	79300.	1453.

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

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9523.	862.5	132.0	55.91	5555.	7.581
Stddev	27.	2.6	8.0	.10	9.	1.401
%RSD	.2870	.3018	6.038	.1776	.1539	18.48

#1	9537.	865.2	122.9	56.01	5549.	8.819
#2	9491.	860.0	137.6	55.91	5565.	7.865
#3	9540.	862.4	135.6	55.81	5551.	6.060

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

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	-5839	3.016	61.87	1807.	6.228	1.425
Stddev	2.342	4.161	.16	7.	.809	.295
%RSD	401.2	138.0	.2562	.3825	12.99	20.70

#1	-2.102	-1.788	61.99	1800.	7.138	1.717
#2	-1.763	5.397	61.69	1813.	5.953	1.432
#3	2.114	5.439	61.93	1810.	5.592	1.127

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

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	35.60	123.2	610.1	832.6
Stddev	.29	.5	.4	25.6
%RSD	.8176	.3925	.0713	3.073

#1	35.27	122.8	610.2	803.1
#2	35.73	123.0	610.4	848.8
#3	35.80	123.7	609.6	846.0

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	9645.5	65916.	10201.
Stddev	11.8	803.	172.
%RSD	.12248	1.2181	1.6828

#1	9657.0	65011.	10063.
#2	9646.1	66541.	10393.
#3	9633.4	66196.	10148.

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18870.	11.14	.5062	340.7	1.007	2520.
Stddev	66.	1.43	.1470	.7	.045	18.
%RSD	.3524	12.89	29.03	.2137	4.457	.7253

#1	18800.	9.495	.6760	341.5	1.057	2500.
#2	18930.	12.15	.4219	340.2	.9944	2525.
#3	18870.	11.76	.4209	340.3	.9696	2535.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6776	16.11	33.38	101.6	37810.	818.8
Stddev	.0742	.10	.59	.9	165.	15.3
%RSD	10.95	.5954	1.761	.8804	.4376	1.866

#1	.7147	16.01	32.96	101.3	37630.	802.7
#2	.5922	16.12	33.13	100.9	37960.	820.5
#3	.7259	16.20	34.06	102.6	37840.	833.2

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

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3097.	1158.	4.970	52.62	3767.	2.092
Stddev	30.	3.	7.838	.42	7.	1.548
%RSD	.9786	.2946	157.7	.7964	.1740	74.00

#1	3068.	1155.	1.185	52.84	3775.	2.146
#2	3095.	1161.	-.2571	52.89	3762.	.5177
#3	3129.	1160.	13.98	52.14	3764.	3.613

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6624	.0291	36.46	763.0	-2.132	-.9826
Stddev	.1701	2.742	.25	.7	.631	.0916
%RSD	25.68	9428.	.6980	.0901	29.59	9.318

#1	-.6810	1.765	36.22	763.7	-1.813	-1.047
#2	-.8223	1.455	36.73	762.9	-2.859	-.8777
#3	-.4837	-3.132	36.44	762.3	-1.725	-1.023

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

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	8.006	19.45	609.6	823.1
Stddev	.625	.08	1.2	12.3
%RSD	7.802	.4061	.2046	1.499

#1	8.706	19.44	608.2	831.2
#2	7.506	19.38	610.1	808.9
#3	7.806	19.54	610.6	829.2

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	9729.5	66601.	10240.
Stddev	24.1	50.	35.
%RSD	.24735	.07499	.34046

#1	9701.9	66643.	10268.
#2	9740.9	66615.	10201.
#3	9745.8	66546.	10252.

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63510.	33.72	-.3228	455.7	4.667	9433.
Stddev	339.	1.41	.3572	1.1	.160	38.
%RSD	.5330	4.190	110.6	.2316	3.423	.4065

#1	63200.	35.28	.0642	455.1	4.811	9406.
#2	63870.	32.52	-.6398	456.9	4.693	9477.
#3	63450.	33.37	-.3928	455.1	4.495	9416.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5853	76.21	175.5	52.55	171900.	14710.
Stddev	.2566	.34	.9	.43	483.	20.
%RSD	43.85	.4479	.4901	.8149	.2810	.1332

#1	-.4007	76.55	174.5	52.07	171700.	14730.
#2	-.4768	76.23	175.9	52.72	172500.	14720.
#3	-.8783	75.86	176.1	52.87	171600.	14690.

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

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46900.	2187.	814.5	185.4	90.12	9.465
Stddev	162.	5.	10.0	.4	.62	1.852
%RSD	.3459	.2216	1.228	.2180	.6846	19.57

#1	46760.	2183.	805.0	185.8	90.46	10.04
#2	47080.	2192.	824.9	185.2	89.40	10.96
#3	46860.	2185.	813.6	185.1	90.48	7.394

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.753	6.620	155.1	464.2	68.51	2.626
Stddev	1.225	.965	1.0	2.8	.81	.217
%RSD	69.89	14.57	.6194	.6093	1.181	8.280

#1	-5179	7.624	154.0	463.2	67.61	2.518
#2	-1.773	6.535	155.9	467.4	69.17	2.484
#3	-2.968	5.701	155.4	462.0	68.76	2.876

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

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	6.363	51.49	2785.	1024.
Stddev	.179	.35	3.	5.
%RSD	2.817	.6874	.1078	.4494

#1	6.298	51.09	2782.	1026.
#2	6.566	51.67	2788.	1018.
#3	6.226	51.72	2785.	1027.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9706.6	66267.	10214.
Stddev	30.1	213.	150.
%RSD	.30977	.32126	1.4636

#1	9673.4	66205.	10257.
#2	9714.4	66091.	10048.
#3	9732.0	66503.	10338.

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79900.	32.98	-.1381	647.6	8.006	11880.
Stddev	1180.	2.54	.4098	10.4	.090	252.
%RSD	1.477	7.692	296.7	1.607	1.126	2.125

#1	78690.	33.09	-.5798	636.5	8.053	11630.
#2	79970.	30.39	-.0646	649.2	7.902	11880.
#3	81050.	35.46	.2299	657.1	8.064	12130.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7890	102.9	195.0	48.82	F 215900.	17330.
Stddev	.0790	1.8	4.7	1.21	4348.	177.
%RSD	10.01	1.759	2.430	2.474	2.014	1.021

#1	-.7050	101.0	190.7	47.81	211500.	17170.
#2	-.8002	103.2	194.2	48.50	216100.	17290.
#3	-.8618	104.6	200.1	50.16	220200.	17520.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60420.	3754.	916.3	269.4	112.8	10.63
Stddev	1339.	73.	14.2	5.0	1.8	3.62
%RSD	2.216	1.942	1.549	1.853	1.596	34.03

#1	59080.	3680.	899.9	264.1	110.9	7.028
#2	60410.	3756.	924.6	270.3	113.0	14.26
#3	61760.	3826.	924.3	273.9	114.5	10.59

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

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	-4.950	8.830	206.6	588.6	109.5	3.870
Stddev	2.153	1.510	5.1	6.8	1.2	.235
%RSD	43.49	17.10	2.491	1.163	1.052	6.070

#1	-7.202	10.07	201.3	581.5	108.6	3.630
#2	-2.913	7.149	206.7	589.2	109.1	4.099
#3	-4.733	9.265	211.6	595.1	110.8	3.882

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

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.763	66.20	2678.	1319.
Stddev	.774	1.20	50.	23.
%RSD	16.25	1.817	1.878	1.722

#1	5.396	65.04	2626.	1295.
#2	4.994	66.12	2682.	1341.
#3	3.900	67.44	2726.	1320.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9762.6	66643.	10384.
Stddev	52.1	185.	97.
%RSD	.53367	.27779	.93724

#1	9704.0	66449.	10329.
#2	9779.9	66818.	10326.
#3	9803.8	66663.	10496.

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52880.	46.84	-.2260	476.4	4.261	10330.
Stddev	108.	2.16	.5595	2.4	.048	11.
%RSD	.2038	4.621	247.5	.4981	1.134	.1057

#1	52920.	47.59	-.8505	477.5	4.209	10340.
#2	52960.	48.53	.2296	478.0	4.270	10320.
#3	52760.	44.40	-.0572	473.7	4.304	10330.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7185	71.16	149.0	91.35	147500.	11420.
Stddev	.1633	.59	.6	.93	219.	63.
%RSD	22.73	.8316	.4029	1.022	.1482	.5473

#1	.5818	71.07	149.4	90.70	147700.	11350.
#2	.8993	71.79	149.4	92.42	147400.	11450.
#3	.6743	70.62	148.3	90.93	147300.	11470.

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

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43630.	3154.	816.6	189.3	80.58	8.214
Stddev	148.	7.	5.8	1.5	1.28	1.869
%RSD	.3379	.2134	.7046	.7891	1.589	22.76

#1	43790.	3162.	814.9	190.6	81.78	8.054
#2	43500.	3150.	811.9	189.6	80.72	6.429
#3	43620.	3151.	823.0	187.6	79.23	10.16

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.424	6.368	136.7	449.4	54.74	2.202
Stddev	1.404	3.240	.4	2.3	.78	.260
%RSD	98.60	50.88	.2762	.5210	1.423	11.81

#1	-2.975	10.07	136.7	451.9	55.58	2.117
#2	-.2394	5.012	136.3	449.1	54.60	1.996
#3	-1.057	4.027	137.0	447.2	54.05	2.494

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

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.440	61.60	2074.	765.0
Stddev	.337	.42	8.	19.2
%RSD	7.588	.6810	.3786	2.512

#1	4.188	61.11	2080.	746.1
#2	4.309	61.86	2076.	784.6
#3	4.823	61.82	2065.	764.4

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	9867.1	68040.	10729.
Stddev	29.6	509.	204.
%RSD	.30048	.74844	1.9036

#1	9836.6	67466.	10493.
#2	9868.9	68439.	10851.
#3	9895.8	68214.	10842.

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120400.	2452.	1215.	9919.	980.6	122600.
Stddev	160.	8.	1.	8.	.8	683.
%RSD	.1327	.3211	.0614	.0837	.0845	.5569

#1	120300.	2443.	1216.	9922.	981.0	123400.
#2	120300.	2459.	1216.	9926.	981.1	122000.
#3	120600.	2452.	1215.	9910.	979.6	122400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1229.	2454.	4969.	12290.	98610.	47950.
Stddev	3.	5.	18.	26.	355.	84.
%RSD	.2375	.1954	.3641	.2087	.3596	.1746

#1	1231.	2455.	4989.	12260.	98920.	47880.
#2	1230.	2459.	4953.	12310.	98220.	47910.
#3	1225.	2449.	4964.	12290.	98670.	48040.

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

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	5030.	122600.	2480.	7390.	974.3
Stddev	595.	16.	211.	7.	10.	3.3
%RSD	.4837	.3266	.1718	.2911	.1287	.3367

#1	123600.	5047.	122800.	2481.	7397.	971.1
#2	122400.	5014.	122500.	2486.	7393.	977.6
#3	122900.	5028.	122500.	2472.	7379.	974.1

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2425.	2464.	2461.	2470.	975.0	2412.
Stddev	9.	3.	6.	13.	3.1	3.
%RSD	.3692	.1205	.2493	.5413	.3224	.1341

#1	2415.	2467.	2468.	2483.	971.4	2408.
#2	2426.	2465.	2457.	2471.	977.4	2414.
#3	2433.	2461.	2458.	2456.	976.1	2413.

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

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	978.9	4870.	9974.	9777.
Stddev	2.5	6.	15.	49.
%RSD	.2548	.1288	.1483	.5050

#1	981.0	4865.	9991.	9721.
#2	979.6	4868.	9965.	9816.
#3	976.2	4877.	9965.	9794.

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	9198.1	63472.	9906.2
Stddev	18.8	408.	56.2
%RSD	.20450	.64322	.56693

#1	9180.0	63090.	9842.1
#2	9196.7	63902.	9929.8
#3	9217.5	63423.	9946.6

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.026	.1019	.7744	1.512	.0001	-10.36
Stddev	10.80	1.812	.2288	1.907	.0529	7.80
%RSD	532.7	1778.	29.54	126.1	44660.	75.31

#1	12.20	-.5619	.9990	3.440	-.0006	-5.619
#2	3.177	-1.284	.7827	1.471	.0534	-19.37
#3	-9.298	2.152	.5416	-.3737	-.0525	-6.096

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0361	.3484	.0794	-.5415	3.141	-21.35
Stddev	.3502	.5187	.3456	.2947	9.166	49.93
%RSD	970.9	148.9	435.1	54.42	291.8	233.9

#1	.4007	.8252	-.0261	-.7690	7.944	-15.47
#2	.0052	.4238	-.2011	-.6468	-7.428	25.39
#3	-.2977	-.2039	.4655	-.2086	8.907	-73.96

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

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.674	-.2606	-30.36	.7012	1.380	.8401
Stddev	3.774	.2062	19.41	.7078	1.078	1.498
%RSD	56.54	79.14	63.91	100.9	78.12	178.3
#1	-8.597	-.3347	-8.102	.9562	2.444	-.3702
#2	-9.100	-.4195	-39.28	1.246	1.407	2.515
#3	-2.327	-.0275	-43.71	-.0988	.2884	.3750

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.165	-.6555	-.0982	.1926	-2.469	-.2202
Stddev	1.960	2.000	.1602	.5163	.104	.3355
%RSD	90.54	305.1	163.1	268.0	4.219	152.4
#1	3.320	-.1135	-.2630	.7258	-2.352	.0367
#2	-.0982	1.017	-.0885	.1571	-2.503	-.0975
#3	3.274	-2.870	.0569	-.3049	-2.552	-.5998

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

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.1347	.0235	-.4291	11.31
Stddev	.0178	.2273	.6413	4.74
%RSD	13.25	968.9	149.4	41.94

#1	-.1173	.0144	-.6198	9.426
#2	-.1337	-.1991	-.9535	16.71
#3	-.1529	.2551	.2859	7.797

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	9695.1	66189.	10053.
Stddev	26.2	383.	87.
%RSD	.27035	.57863	.86392

#1	9706.4	66064.	10019.
#2	9713.8	66618.	10152.
#3	9665.2	65884.	9988.8

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.9	11.90	9.924	207.3	2.019	5039.
Stddev	11.8	1.16	.795	1.1	.124	32.
%RSD	5.832	9.772	8.010	.5207	6.141	.6409

#1	215.2	13.02	10.67	207.9	2.161	5002.
#2	191.6	11.97	9.085	207.9	1.930	5060.
#3	202.0	10.70	10.02	206.0	1.966	5056.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.940	51.50	9.769	23.06	154.1	4708.
Stddev	.011	.51	.356	.65	5.4	44.
%RSD	.2862	.9807	3.642	2.805	3.526	.9377

#1	3.928	52.00	10.15	23.79	160.1	4665.
#2	3.949	51.51	9.722	22.83	149.6	4706.
#3	3.944	50.99	9.438	22.56	152.6	4753.

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

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4901.	15.63	4901.	42.76	11.19	20.59
Stddev	26.	.18	7.	.80	.52	1.34
%RSD	.5346	1.142	.1388	1.861	4.602	6.488

#1	4883.	15.68	4893.	43.36	11.71	20.83
#2	4931.	15.78	4905.	43.06	10.68	19.15
#3	4889.	15.43	4905.	41.86	11.20	21.79

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

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	16.29	21.63	51.10	31.03	45.73	17.63
Stddev	1.53	1.66	.21	.26	.45	.17
%RSD	9.368	7.673	.4081	.8485	.9809	.9594

#1	15.65	20.85	50.91	31.31	46.09	17.72
#2	15.19	23.54	51.06	30.99	45.22	17.43
#3	18.04	20.52	51.32	30.79	45.86	17.73

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

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	48.33	20.32	19.26	F 2.893
Stddev	.76	.04	.17	5.277
%RSD	1.567	.1899	.8599	182.4

#1	47.56	20.36	19.35	2.223
#2	48.34	20.28	19.36	8.473
#3	49.08	20.31	19.07	-2.016

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	9769.6	67076.	10240.
Stddev	17.0	585.	145.
%RSD	.17426	.87225	1.4143

#1	9786.2	67751.	10407.
#2	9752.2	66706.	10167.
#3	9770.5	66773.	10146.

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47260.	17.25	-.4626	293.9	2.869	11260.
Stddev	89.	1.31	.3772	1.1	.058	25.
%RSD	.1893	7.576	81.53	.3728	2.030	.2251

#1	47160.	18.76	-.0441	293.8	2.825	11240.
#2	47340.	16.38	-.5674	295.1	2.935	11260.
#3	47280.	16.62	-.7764	292.9	2.847	11290.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5630	49.79	105.1	106.8	116400.	3262.
Stddev	.0873	.27	.9	.4	173.	10.
%RSD	15.51	.5337	.8661	.3609	.1484	.3040

#1	-.5171	49.88	104.3	106.5	116200.	3251.
#2	-.5083	49.99	106.1	106.6	116500.	3266.
#3	-.6637	49.49	104.9	107.2	116600.	3270.

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

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20490.	1933.	773.3	102.2	39.88	5.177
Stddev	61.	3.	5.5	1.5	.61	2.517
%RSD	.2982	.1565	.7154	1.446	1.536	48.61

#1	20440.	1931.	773.0	101.0	39.43	5.921
#2	20470.	1931.	768.0	103.8	40.57	7.238
#3	20550.	1936.	779.0	101.7	39.62	2.372

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.816	2.710	217.6	216.0	9.495	-.1273
Stddev	1.337	2.077	.7	.5	.396	.2573
%RSD	22.99	76.63	.3356	.2319	4.169	202.1

#1	-7.041	4.014	217.0	215.4	9.910	-.3641
#2	-6.019	.3151	218.4	216.0	9.122	.1464
#3	-4.389	3.801	217.2	216.4	9.453	-.1642

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

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.309	59.01	2553.	694.2
Stddev	.385	.23	3.	15.3
%RSD	8.926	.3874	.1165	2.204

#1	4.489	58.81	2554.	694.6
#2	3.868	58.94	2555.	678.8
#3	4.572	59.26	2550.	709.4

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	9847.9	68098.	10710.
Stddev	42.2	308.	57.
%RSD	.42802	.45300	.53070

#1	9808.1	67758.	10676.
#2	9843.7	68360.	10679.
#3	9892.1	68175.	10776.

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37330.	15.70	-.6015	206.8	2.072	11880.
Stddev	2.	.75	.2746	.7	.201	112.
%RSD	.0048	4.776	45.66	.3539	9.716	.9433
#1	37340.	15.73	-.3213	207.3	2.302	12000.
#2	37330.	14.93	-.8702	207.0	1.988	11830.
#3	37330.	16.43	-.6131	205.9	1.926	11800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5668	44.71	80.13	86.55	108800.	2620.
Stddev	.2313	.10	.70	1.01	759.	22.
%RSD	40.81	.2269	.8765	1.161	.6978	.8488
#1	-.8334	44.83	79.95	85.49	109600.	2594.
#2	-.4189	44.63	79.54	87.48	108600.	2633.
#3	-.4482	44.68	80.91	86.68	108100.	2632.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15920.	1742.	923.8	84.55	28.96	4.484
Stddev	133.	11.	3.2	.55	.21	2.048
%RSD	.8362	.6337	.3416	.6525	.7200	45.67

#1	16060.	1754.	920.6	85.07	28.85	2.218
#2	15890.	1739.	924.0	83.97	29.20	5.029
#3	15800.	1732.	926.9	84.61	28.84	6.203

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.554	-1.888	206.3	180.0	6.117	-.3553
Stddev	1.310	1.240	.5	.1	.366	.3893
%RSD	36.87	65.68	.2570	.0713	5.989	109.6

#1	-2.854	-.6558	206.6	180.2	6.535	-.5627
#2	-2.742	-3.135	206.6	180.0	5.963	-.5969
#3	-5.065	-1.872	205.6	179.9	5.852	.0939

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

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.250	47.40	3030.	677.7
Stddev	.845	.43	11.	22.4
%RSD	19.88	.9074	.3653	3.308

#1	4.353	46.91	3041.	651.9
#2	3.359	47.73	3031.	691.7
#3	5.039	47.55	3019.	689.5

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	9877.4	67848.	10544.
Stddev	40.5	956.	203.
%RSD	.40986	1.4088	1.9270

#1	9835.2	66762.	10316.
#2	9915.9	68224.	10609.
#3	9881.1	68560.	10706.

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39560.	18.13	.0754	245.3	2.294	11390.
Stddev	134.	1.49	.0418	.7	.146	46.
%RSD	.3375	8.228	55.41	.2695	6.377	.4028

#1	39460.	19.63	.0272	245.6	2.158	11340.
#2	39710.	18.11	.0979	244.6	2.449	11380.
#3	39510.	16.65	.1010	245.8	2.276	11430.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3639	41.04	80.59	93.23	112800.	3392.
Stddev	.0772	.08	.65	1.06	216.	42.
%RSD	21.22	.1912	.8009	1.142	.1914	1.252

#1	-.3557	40.97	80.03	94.42	112600.	3345.
#2	-.2911	41.02	80.44	92.89	112700.	3427.
#3	-.4449	41.12	81.30	92.37	113000.	3405.

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

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17820.	2105.	957.3	84.01	31.63	5.131
Stddev	59.	5.	5.3	1.10	.88	.209
%RSD	.3307	.2386	.5585	1.309	2.790	4.072

#1	17790.	2099.	951.2	84.36	31.26	5.083
#2	17780.	2105.	961.0	82.78	32.64	4.950
#3	17880.	2109.	959.8	84.89	30.99	5.359

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.770	1.308	199.4	201.7	11.18	-4.443
Stddev	2.546	.360	.8	1.0	.40	.2276
%RSD	53.38	27.53	.3934	.4837	3.581	51.21

#1	-6.844	1.628	200.3	200.9	11.58	-.7032
#2	-1.928	.9183	199.0	201.4	11.18	-.3543
#3	-5.537	1.376	198.9	202.8	10.78	-.2756

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

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.130	49.31	2875.	594.2
Stddev	.934	.22	1.	6.5
%RSD	22.62	.4440	.0371	1.090

#1	5.194	49.35	2874.	598.9
#2	3.758	49.51	2876.	586.8
#3	3.440	49.08	2875.	596.9

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	9866.6	67996.	10664.
Stddev	42.4	162.	39.
%RSD	.42994	.23814	.36573

#1	9818.5	67840.	10696.
#2	9882.7	68163.	10620.
#3	9898.7	67985.	10674.

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38360.	10.51	-.3072	204.8	2.026	8820.
Stddev	230.	.31	.6291	.9	.078	45.
%RSD	.5989	2.995	204.8	.4446	3.850	.5105

#1	38100.	10.29	-.4523	204.8	1.941	8769.
#2	38470.	10.87	.3819	205.7	2.045	8856.
#3	38520.	10.37	-.8510	203.9	2.094	8834.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6161	35.36	86.01	73.58	85120.	2081.
Stddev	.1592	.25	.88	.36	249.	16.
%RSD	25.84	.7084	1.021	.4862	.2929	.7503

#1	-.6688	35.62	85.05	73.18	84870.	2074.
#2	-.4372	35.33	86.19	73.87	85370.	2070.
#3	-.7423	35.12	86.77	73.70	85130.	2099.

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

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11720.	892.4	927.2	67.42	27.62	4.884
Stddev	55.	2.0	5.1	.19	1.33	2.171
%RSD	.4695	.2221	.5489	.2749	4.827	44.46

#1	11660.	890.4	921.7	67.63	28.65	6.419
#2	11770.	894.3	928.1	67.35	26.12	2.400
#3	11720.	892.7	931.8	67.28	28.11	5.832

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.541	1.568	191.0	143.2	8.969	-1.198
Stddev	1.718	.989	.6	.9	.291	.206
%RSD	37.82	63.08	.3185	.5962	3.244	17.17

#1	-2.747	.7569	190.5	143.0	9.043	-1.273
#2	-6.170	1.277	191.7	144.2	9.216	-1.355
#3	-4.707	2.670	190.8	142.5	8.648	-.9649

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

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.640	53.55	2386.	605.9
Stddev	.730	.20	3.	15.9
%RSD	20.05	.3763	.1381	2.619

#1	2.866	53.32	2383.	587.7
#2	4.316	53.62	2390.	612.8
#3	3.739	53.70	2385.	617.1

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	9833.4	67656.	10520.
Stddev	19.5	121.	116.
%RSD	.19782	.17924	1.1065

#1	9831.1	67689.	10653.
#2	9815.2	67521.	10470.
#3	9853.9	67757.	10437.

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75690.	22.48	-.3032	423.3	3.391	14610.
Stddev	202.	1.95	.2417	1.1	.079	39.
%RSD	.2662	8.656	79.72	.2679	2.323	.2693

#1	75630.	21.99	-.1163	423.6	3.465	14590.
#2	75910.	20.83	-.2171	424.2	3.399	14580.
#3	75520.	24.63	-.5762	422.0	3.308	14650.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3443	57.27	133.1	157.4	154800.	4968.
Stddev	.1407	.18	1.5	.8	231.	11.
%RSD	40.87	.3123	1.120	.4784	.1491	.2117

#1	-.2285	57.27	133.5	157.3	154800.	4969.
#2	-.3035	57.10	131.4	156.6	154600.	4957.
#3	-.5009	57.45	134.3	158.1	155100.	4978.

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

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20860.	1903.	1347.	110.2	149.8	7.311
Stddev	63.	3.	9.	1.6	1.1	1.876
%RSD	.3006	.1528	.6864	1.429	.7050	25.66

#1	20820.	1901.	1342.	110.1	151.0	7.195
#2	20830.	1902.	1358.	111.8	149.2	9.242
#3	20930.	1907.	1342.	108.7	149.2	5.495

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.088	4.964	248.1	286.1	8.892	1.114
Stddev	1.929	2.488	.6	.9	.411	.135
%RSD	62.46	50.13	.2611	.3246	4.621	12.09

#1	-5.266	7.455	247.5	287.1	8.442	.9676
#2	-1.594	4.959	248.0	286.1	9.247	1.233
#3	-2.405	2.478	248.8	285.2	8.987	1.142

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

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.118	82.81	2085.	911.0
Stddev	.605	.09	2.	12.7
%RSD	14.68	.1069	.1053	1.397

#1	4.812	82.80	2085.	897.4
#2	3.703	82.90	2083.	912.9
#3	3.840	82.73	2087.	922.7

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	9797.9	67170.	10474.
Stddev	69.5	445.	67.
%RSD	.70907	.66195	.63966

#1	9717.7	66691.	10408.
#2	9836.0	67569.	10542.
#3	9839.9	67250.	10472.

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85300.	34.47	-.5777	474.1	4.093	11390.
Stddev	2063.	.94	.4446	10.9	.056	217.
%RSD	2.418	2.721	76.95	2.295	1.361	1.910

#1	83240.	33.39	-.8852	462.7	4.153	11160.
#2	85300.	35.10	-.0680	475.2	4.081	11410.
#3	87360.	34.91	-.7800	484.3	4.044	11590.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6483	92.42	151.9	138.1	175400.	3913.
Stddev	.1409	1.97	4.1	3.6	3620.	88.
%RSD	21.73	2.131	2.729	2.588	2.064	2.249

#1	-.7347	90.38	148.5	135.3	171600.	3819.
#2	-.4857	92.58	150.6	136.9	175600.	3926.
#3	-.7245	94.31	156.5	142.2	178900.	3994.

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

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23170.	2294.	1406.	123.1	59.00	5.540
Stddev	457.	47.	32.	2.5	1.40	1.642
%RSD	1.974	2.030	2.301	2.005	2.369	29.64

#1	22670.	2246.	1374.	120.4	58.26	3.793
#2	23250.	2295.	1405.	123.9	58.14	5.774
#3	23580.	2339.	1439.	125.1	60.62	7.053

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.151	5.703	245.7	263.2	113.5	.8689
Stddev	3.189	.725	5.4	5.2	2.6	.1000
%RSD	101.2	12.72	2.189	1.963	2.332	11.51

#1	-3.302	4.956	241.2	258.2	110.9	.9378
#2	.1105	5.750	244.3	262.7	113.6	.9147
#3	-6.262	6.404	251.7	268.5	116.1	.7542

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

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.600	69.19	2417.	971.5
Stddev	.192	1.88	50.	40.3
%RSD	4.175	2.715	2.051	4.144

#1	4.380	67.35	2368.	949.5
#2	4.729	69.11	2416.	946.9
#3	4.692	71.11	2467.	1018.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9973.7	68540.	10696.
Stddev	76.0	748.	150.
%RSD	.76217	1.0917	1.4060

#1	9885.9	67985.	10584.
#2	10019.	68245.	10639.
#3	10016.	69391.	10867.

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64070.	19.59	.1066	397.2	3.577	10260.
Stddev	173.	1.60	.1325	.7	.105	20.
%RSD	.2705	8.183	124.3	.1736	2.939	.1949

#1	64050.	21.29	.1930	396.5	3.523	10270.
#2	63910.	19.40	.1728	397.8	3.699	10240.
#3	64250.	18.10	-.0459	397.3	3.510	10270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5658	57.60	136.9	119.0	131100.	3648.
Stddev	.0644	.34	.3	.3	168.	39.
%RSD	11.38	.5929	.2388	.2910	.1278	1.065

#1	-.5372	57.94	136.6	118.7	131200.	3607.
#2	-.5207	57.60	137.0	119.0	130900.	3654.
#3	-.6396	57.25	137.2	119.4	131200.	3684.

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

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23110.	2571.	1534.	120.6	49.67	5.931
Stddev	53.	4.	2.	1.5	.82	2.085
%RSD	.2285	.1614	.1510	1.243	1.642	35.16

#1	23100.	2572.	1533.	119.3	49.42	8.270
#2	23070.	2566.	1537.	122.2	50.58	4.265
#3	23170.	2575.	1532.	120.1	49.01	5.259

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.023	5.485	221.0	243.9	10.02	.0857
Stddev	2.082	.119	.6	.8	.52	.0295
%RSD	51.75	2.162	.2814	.3331	5.193	34.45

#1	-1.737	5.450	220.3	244.0	10.60	.0691
#2	-4.523	5.388	221.5	243.0	9.898	.0683
#3	-5.810	5.617	221.1	244.6	9.578	.1199

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

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.506	64.72	2284.	793.6
Stddev	.325	.28	1.	35.3
%RSD	9.257	.4301	.0540	4.448

#1	3.848	64.40	2283.	752.8
#2	3.202	64.88	2285.	815.1
#3	3.470	64.89	2285.	812.8

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	9924.5	68155.	10646.
Stddev	47.6	474.	101.
%RSD	.47925	.69553	.94635

#1	9880.1	67644.	10538.
#2	9974.7	68581.	10737.
#3	9918.8	68241.	10663.

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54300.	34.96	.5844	414.3	3.105	5140.
Stddev	147.	2.74	.2344	1.7	.043	15.
%RSD	.2703	7.844	40.12	.4014	1.379	.2921

#1	54130.	37.49	.5524	416.1	3.149	5150.
#2	54360.	35.34	.3676	414.1	3.101	5123.
#3	54410.	32.05	.8332	412.8	3.064	5148.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0424	34.23	93.53	59.31	73110.	2542.
Stddev	.1621	.38	.59	.35	107.	28.
%RSD	382.0	1.125	.6349	.5925	.1460	1.097

#1	.2246	34.64	93.73	59.68	73140.	2554.
#2	-.0112	34.16	92.87	59.28	73200.	2510.
#3	-.0861	33.88	94.01	58.97	72990.	2562.

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

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6839.	1843.	596.2	44.17	161.2	3.572
Stddev	11.	4.	5.8	.69	.8	3.018
%RSD	.1678	.2003	.9787	1.560	.5076	84.49

#1	6827.	1844.	595.1	44.94	160.3	5.396
#2	6839.	1846.	591.1	43.60	161.8	.0886
#3	6850.	1839.	602.6	43.98	161.6	5.233

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.206	-.3319	139.6	228.1	.5906	1.454
Stddev	1.716	.6120	.9	.9	.4581	.341
%RSD	77.79	184.4	.6712	.3858	77.56	23.47

#1	-.7081	-.8030	139.8	228.9	1.108	1.819
#2	-4.079	.3598	138.5	228.3	.2351	1.402
#3	-1.832	-.5525	140.4	227.2	.4291	1.142

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

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	5.385	50.08	364.0	1410.
Stddev	.438	.24	.9	38.
%RSD	8.133	.4748	.2357	2.725

#1	4.921	49.81	365.0	1408.
#2	5.442	50.20	363.4	1450.
#3	5.791	50.24	363.5	1373.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9996.2	68318.	10716.
Stddev	34.2	483.	66.
%RSD	.34179	.70664	.61422

#1	9957.1	67810.	10671.
#2	10020.	68375.	10792.
#3	10011.	68771.	10685.

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50540.	18.79	.1604	342.7	2.483	3002.
Stddev	31.	.84	.2344	1.1	.025	31.
%RSD	.0616	4.462	146.1	.3104	.9853	1.017

#1	50510.	17.85	.3956	342.1	2.455	2967.
#2	50570.	19.07	-.0731	344.0	2.499	3014.
#3	50530.	19.46	.1587	342.1	2.496	3024.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2944	34.92	83.81	36.11	48310.	2716.
Stddev	.0407	.19	.75	.28	270.	40.
%RSD	13.81	.5507	.8965	.7670	.5585	1.475

#1	-.2582	34.89	83.16	36.24	48000.	2673.
#2	-.3384	35.13	83.63	35.80	48520.	2725.
#3	-.2865	34.75	84.63	36.30	48410.	2752.

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

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6882.	1644.	170.2	35.89	145.5	2.754
Stddev	94.	8.	6.4	.35	.4	1.393
%RSD	1.369	.5131	3.783	.9779	.2861	50.57

#1	6777.	1634.	170.8	35.58	145.0	1.987
#2	6958.	1649.	163.4	36.27	145.7	4.362
#3	6911.	1648.	176.3	35.82	145.8	1.913

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

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	.5055	1.467	110.4	235.5	-.6304	.1098
Stddev	2.247	3.580	.3	1.0	.1892	.4745
%RSD	444.5	244.1	.3134	.4294	30.02	432.1

#1	3.099	-1.132	110.0	234.6	-.5820	.5855
#2	-.7471	-.0182	110.4	236.6	-.8391	-.3635
#3	-.8356	5.551	110.7	235.3	-.4700	.1075

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

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.761	29.61	251.9	1387.
Stddev	.456	.11	.6	11.
%RSD	9.571	.3582	.2290	.7888

#1	4.293	29.52	251.2	1375.
#2	5.204	29.73	252.2	1397.
#3	4.784	29.59	252.2	1389.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9816.1	67610.	10590.
Stddev	54.1	217.	31.
%RSD	.55147	.32046	.29286

#1	9776.9	67712.	10559.
#2	9793.6	67361.	10621.
#3	9877.9	67756.	10591.

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41960.	27.10	-.0219	375.2	2.630	5939.
Stddev	746.	1.90	.2738	5.9	.174	117.
%RSD	1.779	7.009	1253.	1.579	6.619	1.962

#1	41220.	25.88	.2694	369.0	2.610	5831.
#2	41930.	26.14	-.2740	375.6	2.467	5925.
#3	42720.	29.29	-.0610	380.9	2.814	6063.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1610	25.43	72.46	39.23	57990.	2650.
Stddev	.1034	.49	1.23	1.05	920.	33.
%RSD	64.24	1.915	1.697	2.682	1.586	1.256

#1	.2791	24.92	71.48	38.08	57110.	2612.
#2	.0864	25.47	72.06	39.46	57910.	2673.
#3	.1175	25.89	73.84	40.14	58950.	2666.

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

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6466.	931.2	192.0	34.98	166.1	4.387
Stddev	138.	15.4	3.5	.29	3.1	.605
%RSD	2.133	1.652	1.817	.8273	1.887	13.79

#1	6334.	915.7	192.1	34.72	162.5	4.271
#2	6454.	931.3	188.5	35.29	168.4	5.042
#3	6609.	946.5	195.5	34.92	167.4	3.848

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.493	1.342	122.5	267.0	-.3164	2.758
Stddev	1.108	1.481	2.4	5.0	.4351	.086
%RSD	74.16	110.3	1.994	1.860	137.5	3.120

#1	2.715	-.3256	120.4	261.6	-.8166	2.660
#2	1.212	1.851	122.0	267.9	-.0257	2.793
#3	.5540	2.502	125.2	271.4	-.1068	2.821

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

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.039	55.75	219.9	1398.
Stddev	.226	.87	2.9	9.
%RSD	5.584	1.557	1.337	.6235

#1	4.148	54.96	216.6	1389.
#2	3.780	55.61	220.9	1398.
#3	4.190	56.68	222.3	1406.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9795.0	67112.	10415.
Stddev	28.6	432.	122.
%RSD	.29191	.64354	1.1736

#1	9793.2	66634.	10513.
#2	9767.4	67227.	10454.
#3	9824.5	67475.	10278.

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120800.	2465.	1222.	9968.	987.6	123800.
Stddev	142.	8.	4.	2.	1.6	968.
%RSD	.1174	.3099	.3376	.0162	.1619	.7816

#1	120700.	2461.	1227.	9970.	989.4	124900.
#2	120900.	2473.	1222.	9967.	986.3	123000.
#3	120900.	2460.	1218.	9967.	987.0	123600.

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	1234.	2467.	5019.	12340.	99580.	48160.
Stddev	2.	3.	32.	35.	611.	165.
%RSD	.1492	.1191	.6379	.2866	.6131	.3416

#1	1236.	2470.	5055.	12330.	100300.	47990.
#2	1234.	2467.	4993.	12380.	99090.	48160.
#3	1233.	2464.	5009.	12310.	99390.	48320.

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

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	5083.	123400.	2491.	7426.	982.3
Stddev	845.	29.	224.	4.	6.	4.1
%RSD	.6773	.5646	.1817	.1613	.0755	.4179

#1	125800.	5116.	123700.	2496.	7426.	977.6
#2	124200.	5062.	123300.	2490.	7432.	985.3
#3	124500.	5072.	123300.	2488.	7421.	984.0

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2431.	2472.	2476.	2486.	978.1	2421.
Stddev	10.	7.	6.	9.	2.3	3.
%RSD	.4056	.2923	.2591	.3634	.2358	.1333

#1	2419.	2474.	2483.	2497.	975.8	2418.
#2	2438.	2464.	2471.	2483.	980.4	2424.
#3	2434.	2479.	2475.	2480.	978.3	2422.

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

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	984.2	4883.	10070.	9793.
Stddev	2.5	11.	28.	74.
%RSD	.2553	.2260	.2777	.7589

#1	987.0	4871.	10100.	9724.
#2	983.6	4891.	10060.	9872.
#3	982.1	4888.	10050.	9785.

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	9170.3	62810.	9844.4
Stddev	22.3	686.	88.2
%RSD	.24333	1.0927	.89591

#1	9148.3	62070.	9784.4
#2	9193.0	63425.	9945.7
#3	9169.7	62934.	9803.2

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.129	.1835	-.0075	.1016	-.0124	-12.87
Stddev	2.207	.7025	.1314	.5746	.1547	7.39
%RSD	103.7	382.8	1755.	565.7	1246.	57.45

#1	3.020	-.6033	.0915	.7636	.0823	-6.265
#2	-.3849	.7480	-.1565	-.2678	-.1909	-11.49
#3	3.750	.4058	.0426	-.1911	.0713	-20.86

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0817	.0950	-.3462	-.8080	4.352	-19.08
Stddev	.1226	.1270	.3183	.3662	6.873	15.75
%RSD	150.0	133.7	91.94	45.32	157.9	82.53

#1	.0021	.1911	-.1939	-.6471	5.141	-37.01
#2	-.2224	-.0490	-.7121	-.5498	-2.881	-7.519
#3	-.0248	.1428	-.1327	-1.227	10.80	-12.71

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

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.098	-.3254	-42.48	.0418	.2189	.1466
Stddev	2.881	.1777	19.28	.2240	1.331	.7983
%RSD	47.25	54.62	45.40	535.5	608.1	544.6

#1	-4.584	-.1579	-22.62	.0870	.2055	-.3267
#2	-4.288	-.3064	-43.67	.2398	-1.106	1.068
#3	-9.421	-.5118	-61.14	-.2013	1.557	-.3018

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

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	.0230	-.8791	.1199	-.1293	-2.488	-.4355
Stddev	2.968	1.195	.3124	.2241	.192	.4918
%RSD	12900.	136.0	260.6	173.3	7.697	112.9

#1	-3.315	-1.287	-.1949	.1287	-2.355	.1297
#2	1.018	.4669	.4298	-.2756	-2.401	-.7653
#3	2.366	-1.817	.1247	-.2411	-2.707	-.6709

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

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.5292	-.0647	-.3652	6.065
Stddev	.1787	.1598	.1716	12.96
%RSD	33.78	247.1	47.00	213.7

#1	-.3260	.1194	-.2586	17.18
#2	-.6624	-.1447	-.2737	-8.169
#3	-.5990	-.1686	-.5631	9.184

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	9699.8	65850.	9922.4
Stddev	27.2	213.	48.7
%RSD	.28000	.32305	.49045

#1	9673.2	65629.	9896.2
#2	9698.8	65868.	9892.5
#3	9727.5	66053.	9978.6

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	199.0	14.47	9.997	206.9	2.034	5106.
Stddev	4.9	1.01	.119	.3	.240	18.
%RSD	2.475	6.946	1.188	.1365	11.81	.3438

#1	193.7	15.20	9.881	207.2	1.925	5108.
#2	203.4	14.90	10.12	206.9	2.310	5088.
#3	199.8	13.33	9.994	206.6	1.868	5123.

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	3.902	51.66	10.04	23.58	154.7	4721.
Stddev	.048	.27	.79	.63	4.4	47.
%RSD	1.218	.5143	7.902	2.652	2.840	.9899

#1	3.913	51.96	10.41	24.29	151.1	4725.
#2	3.850	51.54	10.57	23.33	153.5	4673.
#3	3.943	51.47	9.124	23.12	159.6	4766.

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

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4993.	15.74	4935.	42.34	11.07	18.71
Stddev	47.	.10	32.	.39	1.05	2.10
%RSD	.9423	.6192	.6479	.9249	9.443	11.24

#1	5042.	15.85	4934.	42.78	11.45	20.55
#2	4948.	15.67	4904.	42.23	9.892	19.16
#3	4988.	15.71	4968.	42.02	11.88	16.42

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

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	17.50	18.38	51.48	31.23	45.56	17.43
Stddev	2.67	1.36	.87	.42	.40	.14
%RSD	15.24	7.388	1.684	1.339	.8846	.8032

#1	14.44	16.86	52.33	31.02	45.61	17.34
#2	19.31	18.81	51.52	31.71	45.94	17.59
#3	18.75	19.47	50.60	30.96	45.14	17.37

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

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	48.67	20.12	19.41	F -2.003
Stddev	.11	.08	.26	25.30
%RSD	.2239	.3934	1.353	1263.

#1	48.80	20.18	19.51	5.957
#2	48.60	20.03	19.11	-30.33
#3	48.61	20.15	19.61	18.36

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	9673.8	65831.	9965.5
Stddev	4.5	448.	106.6
%RSD	.04609	.67990	1.0694

#1	9668.8	65736.	9858.8
#2	9675.1	66318.	10072.
#3	9677.4	65438.	9965.6

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33310.	23.97	-.2047	257.7	1.489	2024.
Stddev	173.	1.36	.3987	.4	.075	25.
%RSD	.5181	5.690	194.8	.1741	5.026	1.250

#1	33120.	22.86	.1930	258.2	1.485	1995.
#2	33350.	23.55	-.2027	257.3	1.565	2039.
#3	33450.	25.49	-.6043	257.6	1.415	2039.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4953	9.219	50.17	22.17	48500.	1669.
Stddev	.1302	.109	.66	.47	230.	48.
%RSD	26.29	1.181	1.318	2.103	.4745	2.876

#1	-.3777	9.250	49.58	21.66	48240.	1625.
#2	-.4730	9.310	50.88	22.57	48590.	1721.
#3	-.6353	9.099	50.05	22.28	48680.	1662.

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

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4127.	186.6	103.8	21.52	117.2	3.422
Stddev	70.	.7	2.5	.14	.9	1.617
%RSD	1.694	.3909	2.384	.6634	.7577	47.26

#1	4050.	185.8	104.6	21.42	116.2	1.571
#2	4143.	187.1	101.0	21.68	117.9	4.131
#3	4187.	186.9	105.8	21.45	117.4	4.563

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2250	.1560	88.09	125.3	-2.198	.0559
Stddev	3.514	3.214	1.06	1.2	.270	.4307
%RSD	1562.	2060.	1.209	.9525	12.26	770.6

#1	-.8147	-3.025	86.88	124.4	-1.902	.4082
#2	-2.652	.0911	88.51	124.7	-2.429	-.4243
#3	4.142	3.402	88.88	126.6	-2.264	.1837

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

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.769	24.90	148.1	1293.
Stddev	.130	.14	1.4	10.
%RSD	3.453	.5477	.9260	.7524

#1	3.789	24.75	146.7	1300.
#2	3.888	24.98	148.3	1282.
#3	3.630	24.98	149.4	1298.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9717.9	66300.	10312.
Stddev	32.7	174.	107.
%RSD	.33644	.26248	1.0363

#1	9681.7	66474.	10417.
#2	9726.7	66126.	10316.
#3	9745.4	66301.	10203.

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53190.	33.66	.6567	1099.	4.594	10480.
Stddev	84.	.87	.4435	3.	.169	85.
%RSD	.1574	2.578	67.54	.2479	3.679	.8155

#1	53290.	32.83	.4318	1100.	4.687	10580.
#2	53150.	34.57	.3706	1101.	4.697	10420.
#3	53130.	33.59	1.168	1096.	4.399	10430.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6375	72.53	167.9	45.66	165800.	12900.
Stddev	.2961	.39	1.7	.38	821.	61.
%RSD	46.46	.5333	1.023	.8250	.4948	.4755

#1	-.9792	72.35	169.7	45.23	166800.	12890.
#2	-.4774	72.26	166.3	45.85	165200.	12850.
#3	-.4558	72.97	167.8	45.90	165500.	12970.

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

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40000.	6032.	810.9	189.4	89.00	9.059
Stddev	339.	29.	7.3	.8	1.79	2.061
%RSD	.8467	.4866	.8954	.4067	2.006	22.75

#1	40380.	6066.	802.6	189.2	90.53	11.11
#2	39740.	6012.	816.0	188.9	89.44	9.087
#3	39870.	6018.	814.0	190.3	87.04	6.984

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1457	12.02	181.4	409.6	62.28	3.114
Stddev	2.988	1.87	.8	2.8	.81	.582
%RSD	2052.	15.55	.4161	.6815	1.307	18.68

#1	-.8359	13.81	182.3	410.3	61.36	3.047
#2	3.501	10.08	180.9	406.5	62.88	2.569
#3	-2.228	12.16	181.0	411.9	62.61	3.727

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

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	5.556	52.27	2785.	968.1
Stddev	.858	.30	7.	16.3
%RSD	15.44	.5720	.2584	1.678

#1	6.282	51.93	2793.	949.4
#2	5.777	52.36	2781.	978.3
#3	4.609	52.50	2781.	976.7

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	9796.6	66983.	10347.
Stddev	108.4	1182.	365.
%RSD	1.1063	1.7643	3.5240

#1	9673.2	65619.	9926.9
#2	9876.3	67708.	10584.
#3	9840.2	67621.	10529.

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67740.	21.73	-.6695	493.0	5.052	8475.
Stddev	311.	.39	.3825	1.0	.096	60.
%RSD	.4589	1.782	57.13	.1960	1.903	.7101

#1	67480.	22.14	-.2679	493.8	4.944	8446.
#2	67660.	21.38	-.7112	493.3	5.130	8435.
#3	68090.	21.66	-1.029	491.9	5.081	8544.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0399	83.90	184.7	55.86	187100.	15570.
Stddev	.2113	.20	.7	.57	906.	69.
%RSD	529.7	.2420	.4000	1.022	.4843	.4416

#1	-.0082	84.09	183.8	55.26	186500.	15510.
#2	.1537	83.91	185.3	56.39	186700.	15550.
#3	-.2652	83.69	184.9	55.93	188200.	15640.

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

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49900.	2685.	954.8	194.2	96.13	11.61
Stddev	387.	12.	7.7	1.0	1.07	2.97
%RSD	.7760	.4352	.8019	.5128	1.117	25.56

#1	49650.	2677.	962.0	195.3	94.90	14.31
#2	49700.	2679.	955.6	193.6	96.71	12.09
#3	50340.	2698.	946.8	193.6	96.79	8.431

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.026	7.931	163.8	472.9	77.89	2.928
Stddev	2.657	2.668	1.5	4.9	.45	.421
%RSD	87.79	33.64	.8879	1.030	.5739	14.38

#1	-5.944	6.188	163.3	478.1	78.21	3.010
#2	-.7464	11.00	162.6	472.3	78.08	3.303
#3	-2.389	6.603	165.4	468.4	77.38	2.472

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

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	6.179	48.73	3057.	856.8
Stddev	.648	.06	3.	11.3
%RSD	10.49	.1234	.1036	1.317

#1	5.455	48.67	3054.	853.7
#2	6.704	48.73	3057.	869.3
#3	6.377	48.79	3061.	847.4

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	9676.5	65536.	10143.
Stddev	66.6	560.	240.
%RSD	.68792	.85448	2.3682

#1	9620.4	65653.	10224.
#2	9659.2	66028.	10332.
#3	9750.1	64927.	9872.5

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.69	1.049	.3653	141.5	-.0292	178800.
Stddev	3.47	1.850	.1134	.4	.0522	854.
%RSD	16.77	176.4	31.04	.2536	178.6	.4775
#1	18.34	-.9253	.4483	141.3	-.0266	177900.
#2	19.05	1.330	.2361	141.9	.0216	178700.
#3	24.67	2.743	.4117	141.3	-.0827	179600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1496	1.784	-1.618	.6752	13.37	45220.
Stddev	.0355	.096	.227	.4539	9.72	92.
%RSD	23.71	5.378	14.01	67.22	72.73	.2044
#1	-.1350	1.894	-1.379	.1587	14.52	45140.
#2	-.1901	1.739	-1.645	.8567	3.121	45320.
#3	-.1238	1.718	-1.831	1.010	22.46	45200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41650.	334.2	F 251800.	8.115	-1.128	1.319
Stddev	239.	1.5	1353.	.651	.168	2.591
%RSD	.5731	.4414	.5374	8.026	14.85	196.5

#1	41400.	333.0	253300.	7.657	-.9347	-1.058
#2	41660.	333.8	251400.	7.828	-1.223	4.082
#3	41880.	335.8	250700.	8.861	-1.226	.9337

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-4.951	-1.2583	.8398	8.989	572.6	6.881
Stddev	2.092	1.362	.3711	.181	.6	.246
%RSD	42.26	527.1	44.19	2.018	.1016	3.572

#1	-2.582	-1.759	1.173	8.830	571.9	6.601
#2	-5.725	.0855	.4398	8.950	572.8	7.063
#3	-6.546	.8984	.9066	9.187	573.0	6.978

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

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.904	1264.	.4148	9714.
Stddev	.262	2.	.2882	130.
%RSD	13.77	.1866	69.48	1.341

#1	-1.641	1263.	.6001	9573.
#2	-2.166	1267.	.0827	9830.
#3	-1.905	1263.	.5616	9741.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9164.0	63182.	9889.3
Stddev	69.7	691.	71.0
%RSD	.76082	1.0942	.71745

#1	9237.5	63880.	9903.1
#2	9155.9	63170.	9952.4
#3	9098.8	62497.	9812.5

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.05	4.084	.2685	139.0	-.1156	138900.
Stddev	3.86	1.424	.2858	.4	.1073	1290.
%RSD	18.33	34.87	106.4	.2778	92.81	.9286
#1	17.57	2.546	.5333	138.7	-.1589	139200.
#2	20.37	5.357	-.0345	138.9	-.1946	140100.
#3	25.20	4.348	.3067	139.5	.0066	137500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1135	1.502	-1.192	-.0151	-17.35	41670.
Stddev	.0408	.276	.206	.5385	14.32	259.
%RSD	35.92	18.36	17.27	3560.	82.52	.6211
#1	-.1190	1.186	-1.012	.5780	-30.55	41470.
#2	-.1513	1.695	-1.148	-.4733	-19.37	41960.
#3	-.0703	1.624	-1.417	-.1501	-2.131	41570.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48870.	633.8	156600.	5.266	-.2092	1.833
Stddev	427.	3.5	640.	.632	.5013	1.935
%RSD	.8731	.5549	.4090	12.01	239.6	105.6

#1	48950.	634.1	156600.	5.991	-.2596	2.914
#2	49250.	637.2	157200.	4.978	.3154	-.4013
#3	48410.	630.2	155900.	4.828	-.6835	2.986

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.330	-.8863	3.401	18.89	742.3	8.080
Stddev	2.911	1.883	.287	.11	6.3	.362
%RSD	87.40	212.4	8.426	.5649	.8536	4.482

#1	-4.853	.0563	3.702	18.97	735.3	7.662
#2	-5.164	-3.054	3.132	18.93	743.9	8.296
#3	.0260	.3388	3.369	18.77	747.6	8.281

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

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.423	1062.	.5428	10160.
Stddev	.806	3.	.1454	231.
%RSD	56.64	.3132	26.78	2.273

#1	-.8441	1058.	.5113	10080.
#2	-2.344	1062.	.4158	9985.
#3	-1.081	1065.	.7013	10420.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9220.3	62577.	9632.7
Stddev	74.0	992.	272.0
%RSD	.80252	1.5853	2.8239

#1	9187.8	62516.	9654.3
#2	9168.1	61617.	9350.4
#3	9305.0	63598.	9893.2

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.28	1.234	.0877	243.2	-.0809	123100.
Stddev	1.89	.862	.2982	.2	.1749	288.
%RSD	10.96	69.79	340.1	.0762	216.2	.2338
#1	17.00	.3965	.4316	243.4	-.2744	123000.
#2	15.55	2.118	-.0688	243.1	.0659	122800.
#3	19.30	1.189	-.0996	243.1	-.0341	123400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0011	1.823	-1.425	.6849	-1.019	47200.
Stddev	.0500	.138	.335	.2044	4.899	67.
%RSD	4558.	7.564	23.53	29.84	480.7	.1418
#1	-.0029	1.977	-1.535	.4559	-2.962	47230.
#2	.0529	1.781	-1.049	.7498	-4.649	47120.
#3	-.0467	1.711	-1.692	.8490	4.553	47240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22080.	480.1	F 254500.	10.78	-.8335	3.280
Stddev	68.	.4	1784.	.82	.8672	1.397
%RSD	.3088	.0785	.7008	7.648	104.0	42.59
#1	22050.	480.1	256500.	10.71	-.0778	4.882
#2	22030.	479.7	254100.	9.993	-1.780	2.643
#3	22160.	480.5	253000.	11.64	-.6423	2.316
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-3.909	-.8057	.8952	28.12	448.4	2.511
Stddev	3.543	2.444	.1465	.25	2.2	.202
%RSD	90.62	303.4	16.36	.8732	.4979	8.026
#1	-5.150	1.868	.7952	27.90	451.0	2.559
#2	.0866	-1.359	1.063	28.07	447.0	2.290
#3	-6.665	-2.926	.8271	28.38	447.3	2.685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.433	780.2	.1112	9114.
Stddev	.646	1.9	.1899	137.
%RSD	45.10	.2451	170.8	1.501

#1	-.6940	780.5	.1630	8956.
#2	-1.892	782.0	-.0993	9202.
#3	-1.714	778.2	.2698	9183.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9179.1	62522.	9764.3
Stddev	52.0	366.	96.0
%RSD	.56638	.58613	.98327

#1	9216.3	62661.	9777.7
#2	9201.3	62800.	9852.8
#3	9119.7	62107.	9662.2

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.185	-1.747	.5439	121.6	-.0016	60830.
Stddev	3.599	.372	.3280	.2	.1014	229.
%RSD	113.0	21.31	60.30	.1578	6251.	.3759

#1	-6.885	-2.164	.9214	121.6	-.1023	60570.
#2	.3038	-1.626	.3820	121.8	.1005	60960.
#3	-2.973	-1.450	.3284	121.4	-.0030	60960.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0091	.6565	-.6328	-.0445	-.0925	23270.
Stddev	.1405	.1762	.3251	.1969	4.872	64.
%RSD	1549.	26.84	51.37	442.7	5269.	.2758

#1	-.1272	.5411	-.9432	.1809	4.943	23200.
#2	-.0463	.5690	-.2949	-.1836	-4.782	23300.
#3	.1463	.8593	-.6603	-.1307	-.4385	23320.

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

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10950.	239.9	128200.	5.126	.6583	3.429
Stddev	34.	.3	213.	.229	1.187	1.205
%RSD	.3137	.1047	.1664	4.461	180.3	35.13

#1	10910.	239.7	128300.	4.866	.6402	4.768
#2	10960.	240.1	128300.	5.297	1.854	3.089
#3	10970.	239.7	127900.	5.215	-.5193	2.431

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.872	-2.464	.3947	14.04	222.0	-.0390
Stddev	1.962	1.369	.3208	.14	2.8	.2741
%RSD	33.42	55.53	81.27	1.031	1.244	702.6

#1	-6.673	-3.962	.0309	13.97	221.7	-.3398
#2	-7.308	-1.279	.5164	14.21	224.9	.1966
#3	-3.636	-2.152	.6369	13.95	219.4	.0261

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

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.263	390.4	-.0840	4372.
Stddev	.928	1.7	.3425	125.
%RSD	73.48	.4457	407.7	2.850

#1	-2.108	388.4	-.4644	4239.
#2	-1.410	391.8	.1998	4393.
#3	-.2699	391.0	.0126	4485.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9383.3	63633.	9555.1
Stddev	14.0	314.	195.4
%RSD	.14960	.49416	2.0452

#1	9387.3	63993.	9329.5
#2	9367.7	63497.	9673.9
#3	9394.9	63409.	9661.8

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.83	.5498	.1240	255.9	-.0666	131400.
Stddev	10.25	1.554	.4044	.5	.0626	1191.
%RSD	35.54	282.6	326.2	.1809	94.04	.9066

#1	20.58	.3415	-.0197	255.8	-.0114	130900.
#2	40.30	-.8891	-.1889	256.4	-.0537	132700.
#3	25.61	2.197	.5805	255.5	-.1346	130500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0414	1.051	-1.176	3.087	-13.25	45850.
Stddev	.0486	.170	.479	.500	2.30	115.
%RSD	117.6	16.15	40.74	16.18	17.34	.2516

#1	.0941	.9450	-.6282	3.107	-14.77	45790.
#2	.0318	1.246	-1.385	2.577	-14.38	45980.
#3	-.0018	.9608	-1.516	3.575	-10.61	45780.

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

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39870.	141.7	164500.	14.09	1.579	5.351
Stddev	327.	1.5	509.	.40	.098	2.538
%RSD	.8201	1.076	.3094	2.829	6.202	47.43

#1	39670.	140.0	164900.	13.63	1.511	4.442
#2	40250.	142.0	164800.	14.37	1.535	8.219
#3	39690.	143.0	163900.	14.26	1.691	3.394

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.122	-.2119	.5422	86.38	750.0	2.270
Stddev	2.982	2.714	.2752	.45	4.5	.176
%RSD	265.7	1281.	50.76	.5200	.5967	7.763

#1	-.6553	2.385	.3412	86.85	746.7	2.376
#2	1.598	.0094	.8559	85.96	748.2	2.067
#3	-4.310	-3.030	.4297	86.32	755.1	2.368

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

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.780	1125.	.0338	11400.
Stddev	.512	2.	.0798	193.
%RSD	28.79	.1536	235.9	1.693

#1	-2.371	1127.	.0294	11330.
#2	-1.471	1123.	-.0437	11240.
#3	-1.496	1125.	.1158	11610.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9206.6	62397.	9610.4
Stddev	13.9	996.	229.0
%RSD	.15141	1.5956	2.3828

#1	9191.0	62847.	9699.4
#2	9211.2	61256.	9350.3
#3	9217.8	63088.	9781.7

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.89	3.086	.4448	92.43	.0006	129900.
Stddev	12.48	2.658	.5873	.55	.1780	749.
%RSD	43.22	86.14	132.1	.5972	30610.	.5765

#1	36.16	.0166	.1660	92.40	.0759	129700.
#2	14.47	4.619	1.120	92.99	.1285	129200.
#3	36.03	4.623	.0488	91.89	-.2027	130700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0138	.5992	-1.522	.3888	-7.929	37850.
Stddev	.0273	.2205	.450	.2428	12.49	66.
%RSD	197.2	36.80	29.58	62.44	157.6	.1735

#1	-.0156	.7836	-1.498	.1086	-13.92	37860.
#2	.0383	.3550	-1.983	.5230	-16.30	37780.
#3	.0188	.6590	-1.084	.5349	6.432	37910.

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

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47940.	102.3	157500.	4.072	1.325	1.999
Stddev	299.	1.5	506.	.677	1.731	.861
%RSD	.6237	1.502	.3211	16.62	130.7	43.08

#1	47880.	101.3	158100.	3.298	.3283	1.791
#2	47670.	101.6	157200.	4.549	.3221	1.261
#3	48260.	104.1	157300.	4.369	3.324	2.945

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.109	-2.308	.8046	2.572	614.6	6.176
Stddev	.396	4.164	.1055	.044	4.7	.100
%RSD	18.80	180.4	13.11	1.694	.7674	1.624

#1	-1.727	-4.099	.9210	2.578	616.6	6.260
#2	-2.080	-5.276	.7154	2.526	617.9	6.203
#3	-2.519	2.451	.7774	2.613	609.2	6.065

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

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.793	962.1	.1245	11290.
Stddev	.478	.5	.1677	232.
%RSD	26.65	.0566	134.8	2.053

#1	-1.778	962.3	-.0161	11040.
#2	-1.323	962.5	.0794	11490.
#3	-2.278	961.5	.3101	11360.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9078.8	62465.	9703.1
Stddev	80.3	564.	139.3
%RSD	.88430	.90312	1.4352

#1	9110.4	62652.	9688.6
#2	9138.4	62912.	9849.1
#3	8987.5	61831.	9571.7

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65920.	1951.	51.45	2223.	52.27	26650.
Stddev	157.	4.	.69	1.	.26	47.
%RSD	.2385	.2198	1.340	.0511	.4958	.1747

#1	65770.	1947.	51.85	2224.	52.23	26600.
#2	66080.	1952.	51.84	2222.	52.54	26690.
#3	65920.	1955.	50.65	2222.	52.03	26680.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.08	517.3	291.1	326.1	87300.	19850.
Stddev	.08	.2	1.2	1.5	147.	99.
%RSD	.1578	.0392	.4270	.4494	.1688	.4985

#1	48.02	517.5	292.5	327.8	87190.	19780.
#2	48.16	517.1	290.2	325.6	87260.	19960.
#3	48.04	517.3	290.6	325.0	87470.	19810.

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

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27310.	1900.	19330.	559.1	805.3	467.4
Stddev	120.	3.	52.	.8	1.9	4.1
%RSD	.4407	.1839	.2675	.1379	.2407	.8876

#1	27180.	1897.	19290.	558.3	805.9	472.0
#2	27340.	1900.	19390.	559.5	803.1	464.1
#3	27420.	1904.	19320.	559.6	806.8	466.0

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1860.	1984.	638.2	699.4	491.8	469.6
Stddev	11.	8.	2.4	1.4	2.2	2.9
%RSD	.6037	.3912	.3816	.1995	.4380	.6195

#1	1871.	1980.	641.0	697.8	493.1	471.2
#2	1848.	1978.	636.6	699.7	489.3	466.2
#3	1861.	1993.	636.9	700.5	493.1	471.2

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

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	498.7	530.6	2271.	1054.
Stddev	2.5	.4	5.	16.
%RSD	.4944	.0763	.2233	1.536

#1	500.1	531.1	2266.	1041.
#2	495.9	530.6	2272.	1048.
#3	500.2	530.3	2276.	1072.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9617.8	65550.	10139.
Stddev	39.8	560.	94.
%RSD	.41411	.85442	.92565

#1	9572.1	64910.	10178.
#2	9636.5	65785.	10032.
#3	9644.8	65953.	10207.

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121300.	2465.	1231.	9971.	989.7	125200.
Stddev	299.	5.	3.	9.	3.2	509.
%RSD	.2467	.1928	.2094	.0860	.3272	.4067

#1	121000.	2466.	1233.	9972.	986.7	124700.
#2	121300.	2460.	1229.	9962.	989.4	125700.
#3	121600.	2470.	1229.	9979.	993.1	125400.

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.	5084.	12360.	100500.	48170.
Stddev	1.	1.	13.	67.	289.	121.
%RSD	.1059	.0259	.2540	.5429	.2875	.2521

#1	1237.	2472.	5071.	12440.	100200.	48050.
#2	1236.	2471.	5097.	12340.	100800.	48170.
#3	1239.	2472.	5083.	12310.	100700.	48300.

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

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126400.	5129.	123200.	2497.	7451.	979.8
Stddev	546.	12.	101.	1.	3.	1.2
%RSD	.4323	.2310	.0820	.0593	.0461	.1240

#1	125800.	5117.	123200.	2498.	7450.	980.7
#2	126800.	5141.	123000.	2495.	7448.	980.3
#3	126500.	5130.	123200.	2497.	7455.	978.4

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2425.	2474.	2495.	2504.	979.2	2418.
Stddev	6.	6.	2.	7.	4.4	5.
%RSD	.2602	.2626	.0732	.2739	.4445	.2213

#1	2424.	2467.	2495.	2501.	977.0	2418.
#2	2420.	2475.	2497.	2512.	976.4	2413.
#3	2432.	2480.	2493.	2499.	984.3	2424.

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

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	986.8	4862.	10120.	9652.
Stddev	2.8	4.	11.	133.
%RSD	.2850	.0919	.1043	1.375

#1	983.8	4861.	10130.	9701.
#2	989.4	4859.	10130.	9752.
#3	987.1	4867.	10110.	9501.

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	9030.3	61404.	9536.0
Stddev	17.9	519.	116.1
%RSD	.19803	.84580	1.2173

#1	9041.6	62002.	9664.7
#2	9009.7	61062.	9504.0
#3	9039.5	61150.	9439.3

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.971	-1.240	.2526	.4512	.1501	-15.55
Stddev	11.34	1.010	.4349	1.094	.0928	7.17
%RSD	126.4	81.45	172.2	242.4	61.83	46.12

#1	11.90	-1.018	.5518	1.713	.2538	-7.586
#2	-3.546	-2.343	.4523	-.2128	.0751	-21.50
#3	18.56	-.3601	-.2463	-.1470	.1212	-17.57

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0266	-.0261	-.7849	-.0175	4.072	7.764
Stddev	.1821	.3961	.5210	.5487	7.107	40.14
%RSD	685.2	1517.	66.37	3130.	174.6	517.0

#1	.2360	.3949	-.6675	.6010	4.188	54.06
#2	-.0948	-.3912	-.3327	-.2080	11.12	-13.61
#3	-.0615	-.0820	-1.355	-.4456	-3.093	-17.17

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

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.730	-.3801	25.72	-.0443	1.524	.5251
Stddev	6.211	.1957	19.97	.5935	1.500	2.448
%RSD	80.34	51.48	77.66	1340.	98.40	466.2

#1	-8.973	-.1635	48.36	.3822	3.155	.8643
#2	-9.261	-.4325	18.21	-.7220	.2054	2.786
#3	-13.03	-.5442	10.59	.2070	1.211	-2.075

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

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	-2.028	.2063	.2135	-.1026	-.5754	-.4050
Stddev	3.556	2.632	.2609	.2596	.8979	.1532
%RSD	175.3	1276.	122.2	253.1	156.0	37.82

#1	-1.198	.5844	-.0857	.1637	.4508	-.2869
#2	-5.926	2.628	.3929	-.1165	-1.217	-.5780
#3	1.039	-2.594	.3334	-.3549	-.9604	-.3500

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

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.131	.2918	-.5527	-4.243
Stddev	.793	.4072	.2193	4.202
%RSD	70.12	139.5	39.68	99.02

#1	-.3230	.2166	-.2998	-.5828
#2	-1.162	-.0725	-.6894	-8.832
#3	-1.909	.7314	-.6690	-3.316

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	9635.2	65411.	9914.3
Stddev	41.9	499.	168.7
%RSD	.43500	.76262	1.7019

#1	9652.1	65624.	10000.
#2	9666.0	65769.	10023.
#3	9587.5	64841.	9719.9

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	193.4	12.57	9.883	204.9	1.987	5042.
Stddev	5.6	.58	.284	.3	.152	31.
%RSD	2.894	4.650	2.874	.1561	7.668	.6157

#1	188.8	11.91	9.578	204.6	2.149	5038.
#2	199.7	12.99	10.14	205.3	1.962	5013.
#3	191.8	12.83	9.930	204.9	1.848	5074.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.000	51.38	9.487	23.26	154.7	4802.
Stddev	.079	.42	.540	.56	7.2	67.
%RSD	1.971	.8227	5.692	2.397	4.655	1.401

#1	3.992	50.89	10.01	23.68	162.4	4724.
#2	4.082	51.64	9.513	22.63	148.1	4841.
#3	3.925	51.60	8.934	23.47	153.4	4840.

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

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4912.	15.55	4917.	41.86	11.20	19.63
Stddev	58.	.17	15.	.06	.87	1.60
%RSD	1.190	1.063	.3073	.1470	7.777	8.153

#1	4900.	15.54	4933.	41.80	11.59	21.33
#2	4861.	15.39	4914.	41.86	10.20	19.41
#3	4976.	15.72	4903.	41.92	11.80	18.15

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.86	17.14	50.42	31.05	46.97	17.60
Stddev	1.46	1.95	.79	.41	.75	.33
%RSD	8.179	11.39	1.560	1.318	1.589	1.901

#1	19.03	17.75	50.87	30.67	46.50	17.23
#2	18.34	14.96	49.51	30.99	46.58	17.70
#3	16.22	18.71	50.88	31.48	47.83	17.87

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

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	48.86	20.40	18.77	F 7.435
Stddev	.40	.21	.38	3.911
%RSD	.8108	1.031	2.028	52.60

#1	48.41	20.17	18.66	6.603
#2	49.04	20.47	18.46	11.69
#3	49.14	20.57	19.19	4.007

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	9655.9	65748.	9765.1
Stddev	43.0	334.	121.5
%RSD	.44545	.50871	1.2446

#1	9675.6	65625.	9679.9
#2	9685.5	66126.	9904.3
#3	9606.5	65492.	9711.1

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65740.	982.6	23.20	1215.	26.87	16270.
Stddev	187.	6.6	.70	3.	.15	32.
%RSD	.2847	.6710	3.024	.2401	.5678	.1940

#1	65620.	978.8	23.47	1216.	26.71	16240.
#2	65950.	978.7	22.41	1218.	27.01	16300.
#3	65640.	990.2	23.73	1212.	26.91	16280.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.72	269.2	186.1	186.9	95280.	11350.
Stddev	.25	1.5	1.5	.2	25.	69.
%RSD	1.058	.5462	.8153	.1068	.0264	.6056

#1	23.79	270.2	185.8	187.0	95250.	11300.
#2	23.44	267.5	187.7	186.7	95300.	11430.
#3	23.93	270.0	184.7	187.1	95280.	11330.

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

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17820.	1481.	9698.	308.3	517.9	107.7
Stddev	40.	1.	5.	2.1	1.0	2.5
%RSD	.2240	.0728	.0536	.6821	.1843	2.350

#1	17770.	1480.	9692.	309.2	518.8	110.3
#2	17820.	1481.	9701.	305.9	516.9	105.2
#3	17850.	1482.	9700.	309.9	518.0	107.5

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	913.8	990.3	356.4	448.0	230.4	229.2
Stddev	9.7	10.8	.6	5.2	2.4	2.0
%RSD	1.064	1.091	.1673	1.165	1.061	.8663

#1	904.4	979.1	356.2	444.7	227.7	226.9
#2	923.8	1001.	357.1	454.0	232.5	230.6
#3	913.1	991.3	355.9	445.4	230.9	229.9

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

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	234.6	286.8	1830.	1233.
Stddev	1.5	.9	4.	27.
%RSD	.6528	.3053	.1919	2.170

#1	232.9	286.5	1826.	1219.
#2	235.6	287.8	1830.	1216.
#3	235.5	286.1	1833.	1264.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9499.2	63959.	9609.2
Stddev	32.0	200.	82.1
%RSD	.33715	.31240	.85410

#1	9470.3	63738.	9537.9
#2	9533.6	64009.	9590.9
#3	9493.8	64128.	9698.9

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70410.	61.08	-.2012	277.7	2.554	8634.
Stddev	282.	.76	.0991	.4	.041	17.
%RSD	.4000	1.247	49.28	.1402	1.589	.1935

#1	70100.	61.81	-.3091	277.2	2.590	8617.
#2	70480.	60.29	-.1803	278.0	2.562	8635.
#3	70650.	61.15	-.1141	277.8	2.510	8650.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4421	27.24	98.19	84.09	90050.	2605.
Stddev	.1859	.30	1.03	.96	26.	21.
%RSD	42.06	1.086	1.053	1.147	.0286	.7911

#1	-.2490	27.24	97.10	84.39	90020.	2592.
#2	-.4573	27.53	98.30	83.02	90060.	2629.
#3	-.6199	26.94	99.16	84.88	90070.	2594.

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

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14510.	1460.	171.7	77.38	274.6	3.218
Stddev	22.	2.	1.0	.76	3.2	1.790
%RSD	.1490	.1123	.5968	.9872	1.175	55.62

#1	14480.	1459.	170.9	77.14	272.9	4.087
#2	14520.	1460.	172.9	78.24	278.3	4.409
#3	14520.	1462.	171.5	76.77	272.6	1.160

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

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	-4.938	1.772	125.7	232.8	.3894	.8819
Stddev	4.288	.313	.9	2.0	.2325	.1806
%RSD	868.4	17.68	.6911	.8635	59.70	20.48

#1	-.3814	1.602	125.2	231.3	.5733	.6788
#2	-4.837	1.580	125.2	235.1	.4668	.9427
#3	3.737	2.133	126.7	232.1	.1281	1.024

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

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.64	55.93	1735.	994.5
Stddev	.24	.06	1.	7.4
%RSD	1.775	.1096	.0625	.7479

#1	13.62	55.99	1736.	990.5
#2	13.89	55.93	1734.	1003.
#3	13.40	55.86	1736.	989.9

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	9636.8	65381.	9994.0
Stddev	19.4	98.	171.8
%RSD	.20143	.14969	1.7192

#1	9634.3	65278.	10192.
#2	9657.4	65472.	9907.0
#3	9618.8	65393.	9883.1

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64040.	60.05	-.0587	261.9	2.494	7531.
Stddev	247.	1.46	.1862	.2	.132	49.
%RSD	.3862	2.424	317.0	.0950	5.302	.6546

#1	63780.	58.43	-.2631	261.7	2.642	7547.
#2	64060.	61.24	.1011	262.2	2.389	7571.
#3	64270.	60.48	-.0141	261.8	2.450	7476.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2733	27.24	89.84	82.89	87150.	2543.
Stddev	.0901	.26	.64	.47	143.	31.
%RSD	32.99	.9662	.7172	.5707	.1645	1.216

#1	-.3702	26.94	89.12	82.34	86980.	2535.
#2	-.2577	27.36	90.06	83.22	87210.	2577.
#3	-.1920	27.42	90.35	83.10	87250.	2516.

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

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8522.	1409.	176.7	61.31	327.6	4.495
Stddev	96.	2.	3.6	.40	4.4	.302
%RSD	1.122	.1290	2.019	.6446	1.341	6.731

#1	8412.	1407.	172.6	61.29	322.6	4.823
#2	8568.	1410.	179.1	60.93	329.5	4.227
#3	8587.	1411.	178.3	61.72	330.7	4.434

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6851	2.052	150.5	217.9	-1.427	.7281
Stddev	1.253	1.587	.9	2.3	.326	.3529
%RSD	182.9	77.34	.5939	1.034	22.86	48.47

#1	.6950	3.760	150.1	215.3	-1.798	.3467
#2	-.9998	1.776	151.5	218.8	-1.297	1.043
#3	-1.750	.6216	149.8	219.5	-1.186	.7946

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

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	13.95	51.39	1763.	1005.
Stddev	.23	.11	4.	7.
%RSD	1.648	.2212	.2214	.6830

#1	13.75	51.44	1767.	1012.
#2	14.20	51.26	1762.	997.9
#3	13.90	51.46	1760.	1005.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9769.8	66551.	10160.
Stddev	31.5	96.	89.
%RSD	.32223	.14413	.87930

#1	9735.1	66469.	10245.
#2	9796.5	66657.	10168.
#3	9778.0	66527.	10067.

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12980.	11.57	.2343	52.41	.5029	1520.
Stddev	40.	.95	.1163	.25	.0842	5.
%RSD	.3050	8.227	49.64	.4701	16.75	.3559

#1	12940.	12.62	.1448	52.43	.5992	1515.
#2	13020.	11.33	.1922	52.65	.4666	1519.
#3	12980.	10.76	.3658	52.16	.4429	1525.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1950	5.444	17.58	15.45	17960.	476.2
Stddev	.0559	.151	.76	.19	63.	36.9
%RSD	28.66	2.769	4.347	1.227	.3513	7.742

#1	-.1493	5.288	17.57	15.46	18030.	517.5
#2	-.1785	5.457	16.82	15.26	17900.	464.7
#3	-.2573	5.588	18.35	15.64	17950.	446.5

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

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1698.	285.5	-3.488	12.63	66.72	.7552
Stddev	7.	1.0	7.800	.59	1.46	.5498
%RSD	.4162	.3565	223.6	4.668	2.191	72.80

#1	1704.	286.7	2.493	13.25	65.67	.1289
#2	1690.	285.3	-.6453	12.57	66.10	1.158
#3	1700.	284.7	-12.31	12.08	68.39	.9789

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.930	-.7553	29.88	43.92	-2.871	-1.613
Stddev	2.788	2.376	.32	.28	.246	.129
%RSD	95.14	314.6	1.078	.6473	8.569	8.001

#1	-5.296	-2.978	29.79	43.65	-3.142	-1.703
#2	.1434	1.750	30.24	43.89	-2.661	-1.465
#3	-3.638	-1.038	29.62	44.22	-2.812	-1.672

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

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.463	10.09	349.1	185.5
Stddev	.189	.19	1.4	11.5
%RSD	7.663	1.863	.3874	6.205

#1	2.628	9.969	350.0	172.3
#2	2.257	10.31	349.7	193.6
#3	2.503	9.993	347.5	190.6

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	9760.2	66294.	10076.
Stddev	32.6	149.	45.
%RSD	.33374	.22543	.44551

#1	9793.0	66397.	10084.
#2	9727.8	66363.	10116.
#3	9759.8	66123.	10027.

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.946	-2.603	.1950	-.2921	.1043	1.413
Stddev	18.98	1.393	.3186	.1244	.1549	2.901
%RSD	273.3	53.54	163.4	42.58	148.6	205.3

#1	2.881	-1.185	.3802	-.4136	.2307	2.620
#2	-9.673	-3.970	-.1729	-.1650	-.0685	3.517
#3	27.63	-2.653	.3776	-.2976	.1506	-1.897

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2311	-.2024	-.1773	-1.311	2.005	-48.63
Stddev	.0890	.2277	.2350	.236	12.96	22.36
%RSD	38.53	112.5	132.6	18.00	646.3	45.99

#1	-.2492	-.3264	-.0298	-1.346	16.92	-24.69
#2	-.3097	.0604	-.0537	-1.527	-4.500	-68.98
#3	-.1344	-.3413	-.4482	-1.059	-6.411	-52.22

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

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-12.50	-5.208	-38.39	.0147	-.8737	-.1727
Stddev	.98	.0856	8.23	.0990	1.988	2.730
%RSD	7.878	16.43	21.45	671.3	227.5	1581.
#1	-13.55	-.4255	-35.28	-.0987	-1.928	-2.786
#2	-12.35	-.5459	-47.72	.0839	1.419	2.661
#3	-11.60	-.5911	-32.15	.0589	-2.112	-.3931

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.197	-3.322	-.1033	.3316	-1.971	-2.152
Stddev	3.407	3.822	.4215	.0140	.380	.103
%RSD	284.7	115.1	408.2	4.214	19.30	4.810
#1	-2.591	-7.064	-.5898	.3456	-2.207	-2.077
#2	2.686	-3.475	.1278	.3176	-1.532	-2.270
#3	-3.685	.5747	.1522	.3314	-2.174	-2.109

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

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	16.29	-.1557	-2.122	-.3312
Stddev	.68	.0537	.233	2.567
%RSD	4.155	34.49	11.00	774.9

#1	16.87	-.1339	-2.083	-2.630
#2	16.44	-.1163	-2.372	2.438
#3	15.55	-.2168	-1.910	-.8010

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	9663.7	66545.	9952.9
Stddev	47.6	441.	109.0
%RSD	.49255	.66215	1.0951

#1	9647.8	66248.	10002.
#2	9626.1	66336.	9828.0
#3	9717.2	67051.	10029.

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35200.	688.7	143.8	1020.	476.1	27140.
Stddev	305.	3.1	1.0	3.	4.1	202.
%RSD	.8673	.4487	.6942	.2603	.8620	.7452

#1	34900.	691.8	143.8	1020.	472.3	27050.
#2	35190.	688.7	142.7	1022.	475.5	27010.
#3	35510.	685.6	144.7	1017.	480.5	27380.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	434.8	776.4	718.7	835.9	70050.	10620.
Stddev	.1	2.0	4.3	1.4	320.	98.
%RSD	.0292	.2552	.5990	.1653	.4567	.9212

#1	434.7	776.7	719.5	835.3	70070.	10540.
#2	434.8	778.1	714.1	837.4	69730.	10610.
#3	435.0	774.2	722.6	834.9	70360.	10730.

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

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12260.	1524.	4008.	672.3	732.1	308.7
Stddev	61.	6.	32.	1.3	.9	1.2
%RSD	.4962	.4107	.8013	.1983	.1207	.3732

#1	12260.	1522.	3983.	671.6	731.1	309.0
#2	12210.	1518.	3998.	673.8	732.9	309.7
#3	12330.	1530.	4044.	671.5	732.4	307.4

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	838.0	729.5	546.7	962.3	627.2	551.7
Stddev	8.5	5.8	.6	3.5	6.9	3.7
%RSD	1.014	.8011	.1039	.3601	1.097	.6691

#1	832.4	725.1	546.7	962.7	621.7	549.4
#2	847.7	736.1	546.2	958.7	635.0	556.0
#3	833.7	727.4	547.3	965.6	625.0	549.7

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

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	703.9	497.8	1492.	1144.
Stddev	3.2	1.0	1.	13.
%RSD	.4550	.1931	.0596	1.161

#1	701.7	497.0	1492.	1153.
#2	707.5	497.5	1493.	1151.
#3	702.4	498.8	1491.	1129.

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	9681.8	65935.	9926.7
Stddev	60.3	834.	245.7
%RSD	.62293	1.2653	2.4751

#1	9675.0	65977.	10098.
#2	9745.2	66748.	10037.
#3	9625.2	65081.	9645.2

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79310.	377.8	-3.283	418.1	9.341	41700.
Stddev	251.	3.0	.580	1.2	.152	159.
%RSD	.3168	.8034	17.66	.2818	1.624	.3811

#1	79020.	375.3	-3.845	417.3	9.290	41530.
#2	79430.	381.2	-2.687	419.5	9.222	41720.
#3	79480.	377.0	-3.317	417.6	9.512	41850.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.409	116.2	515.6	14.42	F 736900.	33520.
Stddev	.742	.6	3.4	.44	3059.	146.
%RSD	52.68	.5002	.6605	3.058	.4151	.4352

#1	-.7148	115.7	511.9	13.95	733700.	33360.
#2	-1.320	116.8	516.4	14.50	737300.	33540.
#3	-2.191	115.9	518.5	14.82	739800.	33650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40870.	2385.	245.4	178.2	169.1	30.30
Stddev	210.	11.	9.1	1.3	2.5	1.24
%RSD	.5140	.4615	3.689	.7297	1.487	4.086

#1	40640.	2373.	243.4	176.9	166.3	29.08
#2	40930.	2385.	255.3	178.1	169.9	31.56
#3	41050.	2395.	237.5	179.5	171.2	30.25

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -23.16	28.22	1946.	568.1	106.5	3.445
Stddev	3.40	3.48	6.	3.8	.9	.181
%RSD	14.68	12.34	.2981	.6772	.8754	5.269

#1	-19.97	29.00	1939.	564.1	106.0	3.311
#2	-26.74	24.41	1949.	568.3	107.6	3.373
#3	-22.78	31.25	1950.	571.8	105.9	3.652

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	11.62	113.8	2222.	1588.
Stddev	.18	.4	9.	19.
%RSD	1.590	.3317	.4021	1.223

#1	11.82	113.4	2213.	1568.
#2	11.46	114.1	2222.	1590.
#3	11.58	113.9	2231.	1607.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9570.6	66048.	10278.
Stddev	17.1	131.	127.
%RSD	.17864	.19853	1.2323

#1	9575.3	65900.	10134.
#2	9584.8	66097.	10328.
#3	9551.6	66148.	10372.

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69660.	294.1	-2.492	392.8	9.149	48670.
Stddev	19.	1.0	.108	1.4	.293	121.
%RSD	.0274	.3476	4.315	.3604	3.206	.2479

#1	69680.	292.9	-2.571	394.2	8.919	48700.
#2	69660.	294.7	-2.534	392.6	9.048	48540.
#3	69640.	294.7	-2.369	391.4	9.479	48780.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.990	101.9	442.5	9.145	F 776800.	27680.
Stddev	.291	.2	1.2	.201	832.	37.
%RSD	14.65	.2319	.2624	2.198	.1070	.1343

#1	-2.266	102.1	443.3	9.020	777400.	27640.
#2	-1.685	102.0	441.2	9.377	775900.	27680.
#3	-2.019	101.7	443.1	9.037	777200.	27720.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38750.	2775.	170.7	159.0	117.1	33.23
Stddev	83.	1.	11.3	.2	1.3	.70
%RSD	.2148	.0463	6.625	.1108	1.111	2.117

#1	38780.	2776.	166.2	159.1	117.7	33.94
#2	38650.	2774.	183.5	158.9	117.9	33.21
#3	38810.	2774.	162.3	159.2	115.6	32.53

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

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	F -24.09	31.74	1647.	519.3	76.30	3.133
Stddev	3.72	2.89	1.	3.3	1.42	.163
%RSD	15.43	9.096	.0673	.6391	1.863	5.193

#1	-21.05	28.89	1648.	519.9	75.77	3.155
#2	-22.98	34.66	1647.	522.3	75.21	3.283
#3	-28.23	31.68	1646.	515.8	77.91	2.960

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	9.548	111.5	1965.	1631.
Stddev	1.101	.1	4.	13.
%RSD	11.53	.0839	.2137	.7993

#1	8.863	111.4	1968.	1624.
#2	8.964	111.6	1966.	1646.
#3	10.82	111.5	1960.	1622.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9549.9	65212.	10147.
Stddev	47.9	443.	146.
%RSD	.50119	.67952	1.4434

#1	9513.7	64930.	9994.5
#2	9531.8	65723.	10286.
#3	9604.2	64983.	10161.

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65040.	35.98	.3136	2109.	2.536	9798.
Stddev	453.	2.00	.4971	7.	.204	96.
%RSD	.6961	5.551	158.5	.3347	8.029	.9775

#1	64550.	38.20	-.1289	2102.	2.699	9714.
#2	65130.	34.34	.2182	2112.	2.602	9779.
#3	65450.	35.38	.8516	2115.	2.308	9902.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5522	26.52	104.7	996.1	83420.	1989.
Stddev	.0687	.28	1.1	2.8	482.	12.
%RSD	12.44	1.074	1.035	.2782	.5778	.6227

#1	.6282	26.33	104.4	993.0	83020.	1978.
#2	.4945	26.38	103.8	997.2	83270.	2003.
#3	.5340	26.85	105.9	998.2	83950.	1986.

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

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9050.	1184.	100.5	67.69	11970.	4.298
Stddev	72.	9.	3.1	.30	45.	.464
%RSD	.7967	.7277	3.107	.4386	.3769	10.80

#1	8975.	1177.	104.0	67.52	11920.	3.871
#2	9057.	1180.	99.24	68.03	11990.	4.792
#3	9119.	1193.	98.14	67.52	12010.	4.232

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0427	1.294	121.9	755.8	1.035	.8572
Stddev	3.077	.964	1.4	5.4	.390	.2256
%RSD	7208.	74.51	1.122	.7158	37.71	26.32

#1	.7800	1.643	120.3	751.6	.8062	1.057
#2	-3.336	.2041	122.7	754.0	1.486	.9022
#3	2.684	2.036	122.7	761.9	.8135	.6125

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

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	21.37	89.80	1616.	969.9
Stddev	.32	.96	6.	27.1
%RSD	1.519	1.064	.3916	2.792

#1	21.65	88.70	1610.	968.8
#2	21.01	90.34	1615.	943.4
#3	21.46	90.37	1623.	997.6

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	9760.0	66491.	10216.
Stddev	36.7	479.	11.
%RSD	.37569	.72013	.10850

#1	9768.8	66284.	10204.
#2	9791.4	67038.	10227.
#3	9719.7	66150.	10217.

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21170.	36.11	.2047	432.7	2.857	21460.
Stddev	506.	.44	.9485	6.0	.093	357.
%RSD	2.390	1.223	463.4	1.376	3.251	1.665

#1	20600.	36.11	1.273	426.3	2.772	21080.
#2	21350.	35.67	-.5383	433.8	2.841	21500.
#3	21560.	36.55	-.1206	438.1	2.956	21790.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3679	18.29	51.02	114.3	35790.	1579.
Stddev	.0785	.36	.87	1.4	628.	61.
%RSD	21.33	1.984	1.698	1.222	1.755	3.873

#1	.4529	17.91	50.36	112.8	35140.	1525.
#2	.3526	18.64	50.70	114.4	35850.	1645.
#3	.2982	18.33	52.00	115.6	36390.	1566.

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

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2424.	331.0	424.1	37.00	478.9	4.528
Stddev	52.	5.2	8.6	.28	8.1	1.223
%RSD	2.161	1.585	2.035	.7521	1.700	27.01

#1	2375.	325.7	415.8	37.05	469.6	4.595
#2	2419.	331.2	423.5	36.70	482.4	3.273
#3	2480.	336.1	433.0	37.25	484.7	5.716

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.447	-4.758	66.43	1180.	9.952	5.735
Stddev	1.652	2.727	1.05	13.	.286	.236
%RSD	114.2	57.31	1.585	1.078	2.875	4.110

#1	3.133	-6.989	65.39	1167.	10.17	5.767
#2	-.1692	-5.566	66.40	1182.	10.05	5.485
#3	1.376	-1.718	67.49	1192.	9.629	5.953

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

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	13.29	235.1	782.9	860.9
Stddev	.18	3.7	11.4	14.4
%RSD	1.326	1.564	1.454	1.677

#1	13.49	231.3	771.3	864.0
#2	13.21	235.5	783.3	845.1
#3	13.16	238.6	794.1	873.5

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	9582.9	64537.	9677.6
Stddev	47.9	172.	337.9
%RSD	.50017	.26632	3.4915

#1	9534.3	64339.	10067.
#2	9584.2	64640.	9462.1
#3	9630.2	64633.	9503.7

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121200.	2483.	1236.	9988.	987.1	125200.
Stddev	120.	4.	3.	8.	1.9	396.
%RSD	.0988	.1754	.2120	.0838	.1964	.3165

#1	121200.	2478.	1236.	9994.	985.2	125200.
#2	121100.	2485.	1239.	9991.	986.9	125700.
#3	121300.	2486.	1233.	9978.	989.1	124900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1238.	2478.	5093.	12460.	100600.	48230.
Stddev	2.	2.	15.	30.	240.	76.
%RSD	.1230	.0942	.2871	.2382	.2389	.1576

#1	1240.	2477.	5082.	12430.	100600.	48160.
#2	1239.	2481.	5109.	12490.	100900.	48310.
#3	1237.	2477.	5086.	12460.	100400.	48230.

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

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126000.	5124.	124200.	2505.	7457.	986.5
Stddev	348.	12.	154.	2.	8.	1.9
%RSD	.2760	.2338	.1243	.0895	.1015	.1876

#1	125900.	5117.	124300.	2503.	7463.	985.0
#2	126400.	5138.	124100.	2506.	7459.	988.6
#3	125700.	5117.	124000.	2507.	7449.	985.9

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2441.	2476.	2506.	2504.	984.3	2425.
Stddev	9.	3.	2.	8.	5.7	4.
%RSD	.3612	.1033	.0869	.3195	.5796	.1602

#1	2433.	2478.	2503.	2510.	977.7	2423.
#2	2439.	2477.	2507.	2506.	987.4	2430.
#3	2450.	2473.	2507.	2495.	987.8	2424.

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

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	986.6	4870.	10140.	9776.
Stddev	.5	10.	27.	112.
%RSD	.0552	.1968	.2663	1.144

#1	986.2	4864.	10110.	9710.
#2	987.2	4866.	10170.	9713.
#3	986.4	4881.	10130.	9905.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9063.6	61980.	9660.1
Stddev	2.8	122.	74.7
%RSD	.03132	.19738	.77376

#1	9060.3	62025.	9608.1
#2	9065.0	61841.	9626.4
#3	9065.4	62072.	9745.8

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2834	-.1479	.2020	-.1320	.0726	-19.44
Stddev	1.610	2.970	.3202	.2630	.1007	1.15
%RSD	568.0	2008.	158.5	199.3	138.7	5.894

#1	-.9409	1.776	-.0609	.1554	.1608	-20.56
#2	-.3161	-3.568	.5586	-.1907	-.0371	-19.50
#3	2.107	1.348	.1083	-.3607	.0940	-18.27

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0919	-.0308	-.3544	-1.057	-9.843	-35.22
Stddev	.0643	.0994	.3828	.631	5.155	36.15
%RSD	70.02	322.4	108.0	59.74	52.37	102.6

#1	-.1105	.0214	-.2883	-1.339	-6.988	4.867
#2	-.1448	.0315	-.0089	-.3334	-15.79	-65.34
#3	-.0203	-.1454	-.7659	-1.497	-6.747	-45.18

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

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.711	-.4432	-29.69	.0116	.3953	.8205
Stddev	1.249	.1723	19.65	.4033	.6191	1.228
%RSD	12.86	38.86	66.18	3470.	156.6	149.6

#1	-8.278	-.2688	-8.014	-.4100	-.3021	2.127
#2	-10.56	-.4476	-34.73	.0511	.6078	.6441
#3	-10.29	-.6133	-46.33	.3938	.8802	-.3094

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

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	-1.940	-.4999	.1145	-.2038	-1.695	-.6159
Stddev	1.808	4.279	.4757	.0383	.433	.0939
%RSD	93.18	856.0	415.4	18.80	25.56	15.25

#1	-1.766	-3.039	.6601	-.1597	-1.349	-.7241
#2	-.2258	4.441	-.1034	-.2282	-1.555	-.5696
#3	-3.829	-2.902	-.2132	-.2236	-2.181	-.5542

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

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-0.7530	-0.1149	-0.7784	5.906
Stddev	1.497	.1188	.1226	17.68
%RSD	198.9	103.4	15.75	299.3

#1	-1.049	.0215	-.7845	15.48
#2	.8704	-.1704	-.8978	-14.50
#3	-2.080	-.1957	-.6528	16.73

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	9605.0	64682.	9807.8
Stddev	80.6	1049.	179.8
%RSD	.83966	1.6219	1.8334

#1	9512.6	63533.	9600.5
#2	9640.9	64925.	9901.5
#3	9661.5	65588.	9921.4

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	197.3	14.01	10.03	206.3	2.006	5098.
Stddev	16.3	.99	.41	.4	.139	20.
%RSD	8.259	7.096	4.080	.1830	6.933	.3901

#1	215.8	14.88	9.721	206.5	1.856	5119.
#2	191.0	12.93	9.884	206.5	2.032	5096.
#3	185.1	14.23	10.50	205.8	2.131	5080.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.004	52.16	9.859	24.18	159.4	4795.
Stddev	.049	.19	.272	.11	11.2	81.
%RSD	1.214	.3646	2.763	.4476	6.998	1.697

#1	4.048	51.94	9.573	24.06	146.7	4703.
#2	3.952	52.23	10.12	24.25	167.7	4824.
#3	4.011	52.30	9.888	24.24	163.8	4858.

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

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5025.	15.89	4911.	42.53	11.42	17.64
Stddev	36.	.21	9.	.68	1.90	.99
%RSD	.7204	1.333	.1779	1.595	16.60	5.631

#1	4986.	15.65	4920.	43.17	12.91	18.65
#2	5057.	16.07	4910.	41.82	12.07	17.61
#3	5032.	15.94	4902.	42.61	9.286	16.66

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.58	20.47	51.18	31.20	46.40	17.64
Stddev	1.93	1.30	.45	.19	.26	.20
%RSD	10.97	6.355	.8816	.6038	.5679	1.116

#1	15.43	19.20	50.68	30.99	46.16	17.47
#2	19.16	21.80	51.32	31.35	46.35	17.85
#3	18.16	20.40	51.55	31.27	46.68	17.60

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

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	47.63	20.20	19.13	F 3.722
Stddev	.60	.35	.13	3.231
%RSD	1.270	1.714	.6591	86.81

#1	47.44	19.86	18.99	.5880
#2	47.14	20.18	19.18	7.043
#3	48.30	20.55	19.23	3.536

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	9629.2	65329.	9890.0
Stddev	46.7	453.	104.7
%RSD	.48536	.69354	1.0586

#1	9627.9	64820.	9770.0
#2	9676.5	65687.	9937.4
#3	9583.1	65482.	9962.5

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83610.	218.5	-.1945	188.5	.8300	4480.
Stddev	1140.	2.7	.3332	.9	.1269	62.
%RSD	1.363	1.256	171.3	.4684	15.29	1.374

#1	82360.	217.2	-.5089	188.1	.8179	4412.
#2	83900.	216.6	-.2295	187.8	.7096	4497.
#3	84580.	221.6	.1548	189.5	.9626	4531.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8672	7.309	79.03	13.84	79560.	2841.
Stddev	.1471	.307	1.33	.67	745.	29.
%RSD	16.97	4.194	1.684	4.808	.9367	1.026

#1	-.7037	6.970	77.72	14.49	78700.	2812.
#2	-.9889	7.391	79.00	13.87	79880.	2870.
#3	-.9090	7.566	80.38	13.16	80080.	2840.

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

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3265.	89.42	89.16	16.23	55.57	1.015
Stddev	78.	1.91	2.99	.12	1.46	1.152
%RSD	2.380	2.140	3.352	.7655	2.635	113.5

#1	3195.	87.72	85.72	16.24	54.03	2.062
#2	3253.	89.03	90.60	16.35	56.94	1.202
#3	3349.	91.49	91.16	16.10	55.75	-.2196

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6650	.6643	156.8	67.67	-3.899	.6832
Stddev	5.507	2.614	3.6	1.48	.211	.2172
%RSD	828.2	393.6	2.265	2.181	5.419	31.79

#1	5.694	3.504	154.3	65.99	-3.934	.4405
#2	-3.882	.1310	155.2	68.28	-3.672	.7499
#3	-3.807	-1.642	160.9	68.74	-4.090	.8592

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

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	10.16	37.61	414.2	1372.
Stddev	.72	.31	1.4	18.
%RSD	7.113	.8158	.3407	1.311

#1	10.08	37.34	412.7	1367.
#2	10.92	37.53	414.6	1392.
#3	9.483	37.94	415.4	1357.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9618.8	65024.	9989.8
Stddev	39.9	614.	346.4
%RSD	.41471	.94437	3.4678

#1	9646.2	65732.	10388.
#2	9573.0	64647.	9818.9
#3	9637.1	64692.	9762.0

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68600.	64.66	-.3553	132.8	.7150	3749.
Stddev	278.	1.21	.4963	.6	.1672	16.
%RSD	.4057	1.867	139.7	.4638	23.38	.4266

#1	68280.	66.03	-.3403	132.1	.6072	3763.
#2	68790.	63.76	-.8589	133.2	.9076	3732.
#3	68740.	64.18	.1333	133.1	.6302	3753.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7534	6.044	60.65	10.22	59300.	2485.
Stddev	.1044	.129	.47	.66	66.	25.
%RSD	13.85	2.138	.7719	6.436	.1109	1.016

#1	-.8460	6.131	60.29	9.462	59360.	2457.
#2	-.7738	6.104	60.47	10.54	59230.	2507.
#3	-.6403	5.895	61.18	10.66	59310.	2491.

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

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2752.	61.35	63.92	13.56	53.62	1.070
Stddev	29.	1.00	9.65	.62	.43	1.366
%RSD	1.059	1.631	15.10	4.583	.7962	127.7

#1	2719.	60.21	62.65	14.22	53.43	.5927
#2	2774.	61.76	54.97	12.98	54.11	2.610
#3	2763.	62.09	74.14	13.47	53.33	.0062

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9447	.2163	102.7	50.30	-2.525	-.3895
Stddev	1.310	.9951	2.5	.13	.357	.1995
%RSD	138.7	460.1	2.440	.2535	14.16	51.22

#1	.0742	-.9325	100.1	50.43	-2.250	-.2758
#2	-.4859	.7716	102.9	50.28	-2.396	-.6198
#3	-2.422	.8098	105.1	50.18	-2.929	-.2728

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

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	9.974	24.06	442.5	1369.
Stddev	.837	.09	2.0	25.
%RSD	8.395	.3839	.4588	1.849

#1	10.93	23.99	440.4	1343.
#2	9.372	24.16	442.8	1371.
#3	9.621	24.02	444.4	1394.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9717.3	65673.	10216.
Stddev	84.5	1161.	237.
%RSD	.86989	1.7681	2.3176

#1	9620.2	64332.	9952.9
#2	9757.8	66340.	10283.
#3	9774.0	66348.	10412.

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22170.	476.0	-.0192	122.8	.5788	1110.
Stddev	380.	6.7	.2343	1.5	.1280	22.
%RSD	1.713	1.418	1223.	1.221	22.11	1.942

#1	21790.	469.2	-.2181	121.2	.4542	1091.
#2	22160.	476.1	-.0784	122.9	.7099	1104.
#3	22550.	482.7	.2391	124.2	.5725	1133.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2654	5.005	21.00	8.703	12490.	726.9
Stddev	.0486	.250	.77	.362	347.	11.9
%RSD	18.30	5.000	3.672	4.165	2.777	1.629

#1	-.3190	4.750	20.11	8.335	12170.	717.7
#2	-.2243	5.014	21.42	8.715	12450.	722.8
#3	-.2530	5.251	21.46	9.059	12860.	740.3

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

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	782.0	46.73	-11.27	11.88	69.33	2.980
Stddev	23.4	1.56	1.68	.64	1.75	1.418
%RSD	2.999	3.347	14.94	5.426	2.524	47.58
#1	758.5	45.52	-13.09	11.24	67.34	4.357
#2	782.2	46.17	-9.766	12.53	70.62	1.525
#3	805.4	48.50	-10.95	11.88	70.03	3.057

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.039	-.9823	46.38	28.77	1.544	.5014
Stddev	1.841	2.651	1.67	.67	.749	.2563
%RSD	177.2	269.9	3.595	2.340	48.51	51.11
#1	-1.425	1.575	44.84	28.15	1.174	.2320
#2	.9643	-.8042	46.15	28.68	2.406	.5301
#3	-2.656	-3.718	48.15	29.49	1.052	.7422

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

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	8.479	16.18	207.0	1089.
Stddev	.889	.28	6.0	28.
%RSD	10.49	1.728	2.900	2.551

#1	7.799	15.90	201.8	1073.
#2	9.485	16.18	205.7	1073.
#3	8.153	16.46	213.5	1121.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9693.1	65872.	10183.
Stddev	15.4	124.	69.
%RSD	.15845	.18862	.67838

#1	9708.3	66014.	10251.
#2	9693.3	65781.	10113.
#3	9677.6	65821.	10184.

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24550.	5.874	.1916	157.3	.8696	3378.
Stddev	338.	.727	.1145	2.9	.2379	69.
%RSD	1.375	12.37	59.77	1.860	27.36	2.029

#1	24230.	6.647	.0886	154.4	.5984	3316.
#2	24530.	5.206	.1714	157.1	1.043	3366.
#3	24900.	5.768	.3150	160.3	.9672	3452.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3002	4.429	25.14	18.03	16550.	868.4
Stddev	.0507	.155	.72	.27	314.	58.6
%RSD	16.90	3.490	2.874	1.486	1.898	6.745

#1	-.3518	4.293	25.76	17.78	16250.	801.3
#2	-.2504	4.397	24.35	18.01	16510.	909.7
#3	-.2984	4.597	25.30	18.31	16880.	894.0

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

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1129.	64.55	145.4	10.69	117.5	2.322
Stddev	24.	1.27	10.8	.53	3.6	3.690
%RSD	2.140	1.972	7.457	4.957	3.083	158.9
#1	1108.	63.26	133.2	10.13	113.5	-1.933
#2	1124.	64.58	154.1	10.74	118.4	4.263
#3	1155.	65.80	148.7	11.19	120.6	4.638

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

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	-3.476	-2.890	54.10	47.32	6.974	1.405
Stddev	2.463	1.415	.91	1.08	.149	.148
%RSD	708.7	48.96	1.675	2.280	2.138	10.51
#1	-3.072	-2.091	53.61	46.23	6.972	1.391
#2	.3053	-4.524	53.54	47.34	6.826	1.265
#3	1.723	-2.056	55.14	48.39	7.124	1.560

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

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	10.73	32.72	334.3	1048.
Stddev	.44	.69	5.6	30.
%RSD	4.121	2.095	1.677	2.894

#1	10.81	32.07	328.9	1017.
#2	11.13	32.65	333.9	1049.
#3	10.26	33.44	340.1	1078.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9728.3	66112.	10128.
Stddev	42.9	357.	98.
%RSD	.44119	.53965	.96919

#1	9715.3	65801.	10020.
#2	9776.3	66502.	10212.
#3	9693.5	66032.	10151.

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22210.	161.7	.0080	306.6	1.788	13800.
Stddev	56.	.5	.1971	.3	.035	136.
%RSD	.2535	.2806	2454.	.0954	1.951	.9870
#1	22150.	162.2	-.0515	306.5	1.749	13890.
#2	22250.	161.3	.2281	307.0	1.816	13860.
#3	22240.	161.6	-.1524	306.4	1.799	13640.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2331	8.385	27.18	43.29	76180.	1105.
Stddev	.0135	.180	.32	.83	631.	11.
%RSD	5.800	2.146	1.182	1.919	.8282	.9995
#1	-.2277	8.324	27.42	42.35	76620.	1115.
#2	-.2485	8.588	26.82	43.93	76460.	1107.
#3	-.2231	8.244	27.30	43.57	75460.	1094.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1038.	1147.	177.1	17.51	319.6	1.435
Stddev	6.	8.	7.0	.19	1.0	.968
%RSD	.5675	.6576	3.951	1.113	.3085	67.43

#1	1043.	1152.	169.2	17.53	319.8	2.552
#2	1040.	1151.	179.4	17.31	320.5	.8420
#3	1032.	1138.	182.6	17.69	318.5	.9114

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

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	1.032	2.417	53.42	198.9	3.595	.6994
Stddev	2.036	1.972	.49	1.3	.558	.3953
%RSD	197.3	81.59	.9132	.6739	15.52	56.52

#1	-.7746	4.540	53.62	199.0	4.064	.3198
#2	3.239	2.068	53.78	200.1	2.978	1.109
#3	.6328	.6426	52.87	197.5	3.742	.6697

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

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	16.51	111.8	375.0	1107.
Stddev	.09	.7	1.7	14.
%RSD	.5205	.5815	.4490	1.230

#1	16.56	111.0	376.4	1091.
#2	16.55	112.1	375.5	1114.
#3	16.41	112.2	373.1	1116.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9614.2	65505.	9757.8
Stddev	107.8	1448.	67.8
%RSD	1.1212	2.2108	.69463

#1	9550.3	64293.	9682.4
#2	9553.6	65113.	9777.2
#3	9738.6	67109.	9813.7

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35690.	116.2	-.2868	313.4	1.896	35740.
Stddev	285.	1.6	.4386	.6	.086	255.
%RSD	.7984	1.419	152.9	.1996	4.554	.7135
#1	35400.	116.1	-.2000	312.7	1.995	35550.
#2	35690.	118.0	-.7623	313.8	1.853	35650.
#3	35970.	114.7	.1019	313.7	1.839	36030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.258	8.381	851.8	58.74	49000.	2081.
Stddev	.030	.090	6.2	.17	307.	15.
%RSD	2.356	1.072	.7228	.2900	.6257	.7293
#1	1.258	8.396	846.2	58.66	48730.	2064.
#2	1.229	8.285	850.8	58.94	48950.	2092.
#3	1.288	8.463	858.4	58.62	49330.	2088.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3986.	256.1	528.2	22.78	3563.	1.399
Stddev	30.	1.6	7.0	.30	31.	.666
%RSD	.7504	.6415	1.333	1.304	.8731	47.59

#1	3960.	254.5	520.7	22.48	3533.	2.166
#2	3979.	256.1	534.6	23.07	3562.	.9665
#3	4018.	257.8	529.5	22.80	3595.	1.065

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

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	.3600	-.7902	88.55	387.0	2.529	-.5860
Stddev	1.252	2.952	.61	5.2	.543	.2418
%RSD	347.6	373.6	.6835	1.350	21.49	41.26

#1	-.7738	1.899	87.85	381.9	2.187	-.8545
#2	1.703	-3.949	88.84	386.7	3.156	-.3854
#3	.1508	-.3198	88.96	392.3	2.245	-.5182

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

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	129.5	189.5	558.1	1148.
Stddev	1.7	.7	3.7	32.
%RSD	1.288	.3870	.6675	2.795

#1	127.6	188.6	554.8	1116.
#2	130.0	189.9	557.5	1180.
#3	130.8	189.9	562.1	1149.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9617.1	65711.	10174.
Stddev	11.7	265.	105.
%RSD	.12114	.40396	1.0340

#1	9624.7	65585.	10239.
#2	9622.8	66016.	10231.
#3	9603.6	65532.	10053.

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17690.	2.775	.0248	99.40	.6295	4418.
Stddev	131.	1.379	.5617	.46	.1801	59.
%RSD	.7385	49.71	2267.	.4669	28.61	1.341
#1	17540.	2.431	-.6122	98.97	.6882	4367.
#2	17720.	4.294	.2376	99.35	.4274	4483.
#3	17800.	1.600	.4490	99.89	.7728	4403.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1808	.5954	15.84	1.610	6861.	676.1
Stddev	.0760	.2321	.11	.325	70.	32.4
%RSD	42.05	38.99	.6669	20.18	1.020	4.788
#1	-.1145	.5554	15.91	1.729	6797.	661.8
#2	-.1640	.8449	15.88	1.243	6936.	653.4
#3	-.2638	.3858	15.72	1.859	6850.	713.2

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

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	671.5	36.19	-10.87	3.500	50.97	-.3375
Stddev	5.1	.24	7.71	.546	1.15	.9849
%RSD	.7530	.6632	70.99	15.61	2.253	291.8
#1	665.8	35.98	-9.805	3.114	50.73	-1.472
#2	673.2	36.46	-19.05	3.261	52.22	.1601
#3	675.4	36.14	-3.737	4.125	49.96	.2993

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

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	-3.390	-2.999	28.48	11.02	.2795	-1.786
Stddev	1.114	.431	.27	.21	.1767	.137
%RSD	32.86	14.37	.9609	1.949	63.21	7.652
#1	-4.399	-3.047	28.72	10.96	.4543	-1.822
#2	-3.576	-3.404	28.54	11.26	.1011	-1.635
#3	-2.194	-2.546	28.18	10.84	.2830	-1.901

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

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	8.257	36.24	249.4	1136.
Stddev	.641	.18	2.2	9.
%RSD	7.758	.4881	.8641	.7557

#1	8.157	36.07	247.0	1129.
#2	7.673	36.24	250.5	1134.
#3	8.942	36.42	250.8	1146.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9661.6	65576.	9969.3
Stddev	136.2	1494.	125.8
%RSD	1.4101	2.2789	1.2616

#1	9682.5	65926.	9975.4
#2	9516.1	63938.	9840.6
#3	9786.2	66864.	10092.

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51440.	13.84	-.2246	112.9	.5723	12290.
Stddev	159.	1.70	.2501	.7	.0612	96.
%RSD	.3087	12.28	111.4	.6333	10.69	.7802

#1	51250.	12.17	-.5126	113.7	.5099	12180.
#2	51520.	13.78	-.0615	112.8	.5751	12340.
#3	51530.	15.57	-.0997	112.2	.6321	12350.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0792	3.022	46.17	9.531	33180.	1366.
Stddev	.0308	.164	.39	.237	140.	10.
%RSD	38.83	5.414	.8423	2.488	.4218	.7231

#1	-.0508	3.017	45.73	9.257	33030.	1369.
#2	-.0750	3.188	46.30	9.655	33230.	1374.
#3	-.1119	2.861	46.47	9.680	33290.	1355.

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

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1826.	59.62	131.3	8.288	49.62	.2821
Stddev	34.	.91	5.2	.523	.23	1.316
%RSD	1.888	1.529	3.946	6.309	.4699	466.3
#1	1787.	58.58	127.0	8.316	49.38	-1.117
#2	1839.	60.03	129.8	8.796	49.84	.4691
#3	1852.	60.26	137.0	7.751	49.64	1.494

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.494	-.7055	68.88	35.38	-3.015	-1.279
Stddev	2.384	1.696	1.03	.28	.270	.473
%RSD	159.5	240.4	1.496	.8007	8.944	36.96
#1	-4.037	-1.413	67.69	35.05	-3.307	-1.409
#2	.6896	-1.933	69.35	35.57	-2.776	-1.673
#3	-1.135	1.230	69.58	35.51	-2.960	-.7549

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

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	9.988	55.11	407.0	1259.
Stddev	.232	.07	.2	22.
%RSD	2.326	.1275	.0523	1.720

#1	9.977	55.03	406.8	1245.
#2	9.761	55.16	407.2	1247.
#3	10.23	55.14	407.0	1284.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9616.8	65237.	10078.
Stddev	35.3	303.	80.
%RSD	.36745	.46413	.79761

#1	9656.5	65521.	10152.
#2	9605.0	65273.	10089.
#3	9588.8	64919.	9992.2

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	97320.	61.60	.4796	399.7	13.52	2740.
Stddev	1197.	1.31	.1855	3.9	.10	19.
%RSD	1.230	2.125	38.67	.9649	.7410	.7023

#1	96110.	63.09	.6848	396.0	13.41	2721.
#2	97340.	60.63	.4301	399.2	13.56	2739.
#3	98500.	61.08	.3239	403.7	13.60	2759.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4673	148.3	107.0	129.5	F 214500.	9209.
Stddev	.2868	1.3	1.5	1.3	1408.	160.
%RSD	61.37	.9070	1.406	.9853	.6563	1.732

#1	-.6460	147.1	105.6	128.2	212900.	9046.
#2	-.6195	148.1	106.8	129.3	215100.	9217.
#3	-.1365	149.8	108.6	130.8	215500.	9365.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14750.	5939.	-5.702	167.8	124.1	8.323
Stddev	102.	36.	6.702	1.5	1.5	1.995
%RSD	.6895	.5994	117.5	.8695	1.205	23.97

#1	14640.	5898.	-12.75	166.4	122.4	10.36
#2	14840.	5955.	-4.942	167.7	125.1	6.375
#3	14780.	5964.	.5874	169.3	124.8	8.232

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.899	11.52	246.1	204.2	-14.50	6.546
Stddev	1.597	1.15	1.8	2.5	.55	.372
%RSD	84.10	10.01	.7174	1.214	3.822	5.686

#1	-.0585	10.63	244.1	201.4	-14.01	6.361
#2	-2.920	12.82	246.7	206.2	-15.10	6.302
#3	-2.719	11.10	247.5	204.9	-14.38	6.974

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

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	9.167	8.340	735.2	1027.
Stddev	.296	.137	6.5	27.
%RSD	3.227	1.644	.8803	2.608

#1	8.987	8.277	728.7	995.9
#2	9.006	8.245	735.3	1042.
#3	9.508	8.497	741.7	1043.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11273.	76651.	11631.
Stddev	123.	1289.	175.
%RSD	1.0905	1.6819	1.5013

#1	11151.	75529.	11452.
#2	11271.	76365.	11639.
#3	11397.	78060.	11801.

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127900.	16.90	1.109	635.3	5.342	17670.
Stddev	1593.	2.30	.270	4.7	.048	339.
%RSD	1.246	13.62	24.32	.7349	.9039	1.920

#1	126400.	19.32	.8006	630.4	5.299	17330.
#2	127800.	14.74	1.223	635.7	5.394	17660.
#3	129600.	16.64	1.302	639.8	5.332	18010.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2202	83.99	161.4	125.1	138200.	31980.
Stddev	.2093	.51	2.7	1.7	2222.	398.
%RSD	95.04	.6020	1.691	1.342	1.607	1.245

#1	-.1957	83.41	158.6	123.6	136000.	31580.
#2	-.0243	84.31	161.7	124.7	138200.	31990.
#3	-.4407	84.25	164.0	126.9	140500.	32380.

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

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37330.	2415.	1298.	141.4	271.9	5.794
Stddev	795.	38.	22.	.9	2.9	3.361
%RSD	2.130	1.574	1.701	.6462	1.052	58.01

#1	36550.	2378.	1273.	140.7	268.6	3.744
#2	37310.	2413.	1307.	142.5	273.9	9.672
#3	38140.	2454.	1313.	141.1	273.1	3.965

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7964	5.278	189.5	471.9	-6.343	1.540
Stddev	3.714	4.137	3.0	4.7	.482	.272
%RSD	466.3	78.38	1.598	.9914	7.598	17.65

#1	3.482	9.950	186.5	468.2	-6.052	1.274
#2	-3.187	2.079	189.3	470.5	-6.077	1.527
#3	-2.684	3.806	192.6	477.2	-6.899	1.817

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

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	28.93	50.68	6571.	1100.
Stddev	.54	.49	86.	10.
%RSD	1.857	.9750	1.303	.8789

#1	28.45	50.39	6487.	1107.
#2	28.83	50.39	6568.	1089.
#3	29.51	51.25	6659.	1105.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9507.8	64732.	9981.3
Stddev	29.5	489.	262.1
%RSD	.30982	.75570	2.6256

#1	9486.1	65160.	10280.
#2	9541.3	64836.	9874.6
#3	9496.0	64199.	9789.5

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121400.	2492.	1241.	10010.	989.1	124400.
Stddev	76.	6.	1.	17.	1.1	248.
%RSD	.0623	.2267	.0673	.1738	.1062	.1991

#1	121300.	2488.	1240.	10030.	988.1	124200.
#2	121400.	2498.	1242.	10020.	989.0	124500.
#3	121400.	2490.	1241.	9994.	990.2	124600.

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	1239.	2482.	5077.	12530.	100200.	48390.
Stddev	2.	3.	14.	11.	173.	27.
%RSD	.1211	.1018	.2800	.0851	.1725	.0549

#1	1240.	2484.	5061.	12520.	100000.	48360.
#2	1237.	2482.	5082.	12530.	100200.	48420.
#3	1238.	2479.	5089.	12540.	100400.	48390.

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

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125200.	5109.	124400.	2508.	7463.	988.7
Stddev	313.	10.	197.	3.	2.	3.6
%RSD	.2499	.1879	.1580	.1163	.0270	.3592

#1	124900.	5099.	124600.	2511.	7461.	985.9
#2	125100.	5112.	124400.	2509.	7462.	992.7
#3	125500.	5117.	124200.	2505.	7465.	987.6

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2447.	2473.	2506.	2497.	987.8	2436.
Stddev	6.	7.	2.	6.	2.1	5.
%RSD	.2344	.2773	.0633	.2290	.2103	.2145

#1	2453.	2465.	2504.	2494.	987.6	2439.
#2	2447.	2478.	2506.	2492.	989.9	2438.
#3	2441.	2476.	2508.	2503.	985.8	2430.

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

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	986.8	4899.	10150.	9875.
Stddev	2.3	10.	13.	76.
%RSD	.2301	.2073	.1321	.7687

#1	988.6	4908.	10130.	9920.
#2	987.5	4901.	10160.	9918.
#3	984.3	4888.	10160.	9788.

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	9062.1	62497.	9819.6
Stddev	31.6	239.	83.6
%RSD	.34919	.38252	.85167

#1	9091.2	62689.	9889.4
#2	9066.7	62572.	9842.5
#3	9028.4	62229.	9726.9

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.263	-1.178	.1237	.2620	.1376	-17.78
Stddev	3.024	.464	.1177	.2756	.0639	6.11
%RSD	92.67	39.40	95.12	105.2	46.42	34.36

#1	6.159	-1.555	.1577	.0894	.0663	-22.79
#2	.1258	-1.318	-.0072	.5798	.1895	-19.59
#3	3.505	-.6597	.2207	.1168	.1569	-10.97

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	-.1064	.0084	-.3141	-.1941	1.944	-12.43
Stddev	.0805	.2566	.3547	.9984	5.261	22.74
%RSD	75.67	3059.	112.9	514.3	270.7	182.9

#1	-.1416	-.1297	-.0450	-.5648	-2.347	12.53
#2	-.0143	.3044	-.7160	-.9542	.3649	-17.87
#3	-.1632	-.1495	-.1813	.9366	7.813	-31.97

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

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.01	-.3618	-38.53	.3623	1.023	.7127
Stddev	3.70	.1079	9.25	.5270	.929	1.376
%RSD	36.94	29.82	24.01	145.4	90.80	193.1

#1	-8.466	-.3325	-28.63	-.2460	.3937	.5962
#2	-14.23	-.4813	-46.96	.6523	.5854	-.6018
#3	-7.334	-.2716	-39.99	.6805	2.090	2.144

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

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	.0302	-.7666	-.0066	-.0764	-2.265	-.7963
Stddev	1.372	.1235	.0662	.1061	.510	.2285
%RSD	4540.	16.11	1004.	138.8	22.53	28.69

#1	-.5816	-.7396	-.0676	-.1989	-1.899	-.5982
#2	-.9298	-.9013	-.0160	-.0185	-2.048	-.7445
#3	1.602	-.6588	.0638	-.0119	-2.848	-1.046

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

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.6708	-.0961	-.4700	.2934
Stddev	.6838	.1184	.4426	15.45
%RSD	101.9	123.2	94.18	5266.

#1	.0903	-.0484	-.8422	2.387
#2	-1.233	-.2310	-.5872	14.59
#3	-.8692	-.0090	.0194	-16.10

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	9640.3	64948.	9974.9
Stddev	9.1	750.	266.5
%RSD	.09395	1.1541	2.6718

#1	9630.0	64082.	9668.3
#2	9647.1	65393.	10151.
#3	9643.8	65368.	10105.

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	195.8	12.43	9.822	206.8	1.976	5127.
Stddev	5.1	1.37	.230	.6	.080	54.
%RSD	2.604	11.05	2.340	.2915	4.041	1.053

#1	201.3	11.15	9.769	206.6	1.923	5137.
#2	191.3	13.88	10.07	207.5	1.936	5175.
#3	194.8	12.26	9.624	206.4	2.068	5069.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.021	51.97	9.948	23.70	160.7	4754.
Stddev	.088	.17	.311	.80	4.3	60.
%RSD	2.199	.3354	3.126	3.379	2.664	1.260

#1	3.997	51.78	9.907	23.72	155.7	4707.
#2	4.119	52.12	9.659	22.89	163.2	4821.
#3	3.947	52.00	10.28	24.49	163.1	4732.

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

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5032.	15.90	4925.	42.84	11.34	19.56
Stddev	21.	.12	19.	.30	.56	1.05
%RSD	.4234	.7505	.3896	.6985	4.925	5.376

#1	5015.	15.79	4930.	42.97	11.38	18.53
#2	5026.	15.88	4942.	42.49	11.88	20.63
#3	5056.	16.02	4904.	43.05	10.76	19.51

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.70	18.34	51.04	31.26	46.22	17.64
Stddev	.95	2.67	.19	.09	.31	.35
%RSD	5.707	14.54	.3819	.2911	.6800	1.982

#1	15.64	21.29	51.05	31.27	45.92	17.23
#2	16.99	16.11	50.84	31.35	46.55	17.83
#3	17.48	17.61	51.23	31.16	46.19	17.85

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

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	48.47	20.26	19.31	F -1.007
Stddev	.54	.11	.05	1.826
%RSD	1.105	.5225	.2703	181.4

#1	48.36	20.15	19.35	-2.869
#2	48.00	20.37	19.25	.7818
#3	49.05	20.26	19.33	-.9342

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	9660.2	65371.	9952.7
Stddev	63.1	777.	217.0
%RSD	.65360	1.1888	2.1802

#1	9590.2	65096.	9938.5
#2	9677.6	64769.	9743.2
#3	9712.9	66248.	10176.

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	201700.	30.37	-1.902	1375.	9.151	34490.
Stddev	2074.	3.12	.192	4.	.131	260.
%RSD	1.028	10.26	10.10	.3056	1.430	.7539

#1	199300.	32.94	-1.974	1370.	9.203	34200.
#2	202700.	26.91	-2.049	1377.	9.002	34550.
#3	203100.	31.26	-1.685	1378.	9.248	34710.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0345	137.6	239.1	142.0	F 246000.	67290.
Stddev	.0721	.6	1.2	.9	1822.	641.
%RSD	208.8	.4475	.4865	.6138	.7406	.9517

#1	.0139	137.0	237.7	141.2	244000.	66570.
#2	-.0250	138.2	239.5	142.9	246300.	67510.
#3	.1147	137.7	239.9	141.8	247600.	67800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79260.	3320.	6864.	271.5	806.5	11.49
Stddev	720.	25.	60.	2.1	1.8	2.08
%RSD	.9088	.7570	.8778	.7846	.2271	18.08

#1	78510.	3293.	6795.	269.5	804.4	13.78
#2	79300.	3324.	6890.	273.8	807.8	9.730
#3	79950.	3343.	6907.	271.2	807.3	10.96

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.554	8.299	377.0	852.7	-11.61	1.474
Stddev	4.207	1.862	2.3	1.4	.68	.102
%RSD	164.7	22.44	.6167	.1623	5.878	6.933

#1	2.739	10.05	374.7	851.4	-12.10	1.580
#2	6.666	6.341	377.1	854.2	-11.90	1.376
#3	-1.743	8.507	379.3	852.6	-10.83	1.466

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

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	55.21	94.56	13150.	1080.
Stddev	.23	.43	90.	25.
%RSD	.4146	.4544	.6876	2.355

#1	54.96	94.07	13130.	1097.
#2	55.39	94.73	13070.	1051.
#3	55.29	94.88	13240.	1092.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9382.9	64090.	9884.2
Stddev	40.4	138.	204.3
%RSD	.43006	.21486	2.0672

#1	9336.3	63949.	10106.
#2	9404.6	64224.	9702.7
#3	9407.7	64098.	9844.4

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	107800.	19.87	-8698	394.2	4.520	7601.
Stddev	1866.	3.24	.7609	4.2	.094	163.
%RSD	1.730	16.32	87.47	1.076	2.079	2.139

#1	105900.	16.94	-.0015	389.7	4.444	7414.
#2	108100.	19.31	-1.420	394.8	4.489	7690.
#3	109600.	23.35	-1.188	398.1	4.625	7700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.354	70.59	165.9	194.6	F 262400.	13430.
Stddev	.269	.44	3.0	2.9	4608.	232.
%RSD	19.89	.6249	1.819	1.484	1.756	1.728

#1	-1.108	70.09	162.5	191.6	257600.	13290.
#2	-1.311	70.87	167.2	194.9	262700.	13310.
#3	-1.642	70.83	168.1	197.4	266800.	13700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25230.	1988.	477.0	83.76	229.7	10.20
Stddev	542.	35.	12.5	1.00	5.4	1.44
%RSD	2.148	1.778	2.621	1.199	2.338	14.09

#1	24670.	1952.	464.1	82.65	224.4	11.24
#2	25260.	1991.	489.1	84.62	229.7	10.81
#3	25760.	2023.	477.9	84.00	235.1	8.562

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.355	10.02	463.2	278.9	-16.09	9.637
Stddev	2.652	3.79	7.5	6.4	.39	.138
%RSD	60.90	37.77	1.616	2.293	2.418	1.432

#1	-7.417	13.22	455.3	273.0	-16.49	9.485
#2	-2.845	11.01	464.4	278.0	-16.08	9.671
#3	-2.803	5.843	470.1	285.7	-15.71	9.754

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

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	20.93	52.69	3488.	1213.
Stddev	.36	.65	52.	31.
%RSD	1.742	1.229	1.504	2.590

#1	20.55	51.99	3433.	1179.
#2	20.96	52.81	3492.	1220.
#3	21.28	53.27	3538.	1241.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9881.4	67568.	10379.
Stddev	17.9	137.	116.
%RSD	.18150	.20270	1.1212

#1	9861.0	67617.	10485.
#2	9894.5	67674.	10397.
#3	9888.8	67414.	10254.

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	152000.	13.76	-1.264	673.3	11.48	6436.
Stddev	821.	1.69	.216	1.3	.04	72.
%RSD	.5399	12.26	17.09	.1963	.3393	1.111

#1	151900.	11.81	-1.044	674.7	11.51	6433.
#2	152800.	14.73	-1.273	673.0	11.49	6509.
#3	151200.	14.73	-1.475	672.1	11.44	6366.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.217	97.01	151.4	201.7	F 216000.	30960.
Stddev	.215	.66	1.4	.3	1742.	143.
%RSD	17.63	.6812	.9436	.1411	.8063	.4622

#1	-1.067	97.75	151.7	201.5	216300.	30870.
#2	-1.463	96.81	152.7	201.6	217600.	31120.
#3	-1.122	96.47	149.9	202.0	214100.	30880.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45680.	2687.	1136.	145.5	124.6	10.53
Stddev	447.	17.	6.	.5	.7	.48
%RSD	.9790	.6218	.5271	.3100	.5758	4.584

#1	45720.	2690.	1135.	145.9	124.6	10.45
#2	46110.	2702.	1142.	145.6	125.3	11.04
#3	45220.	2669.	1130.	145.0	123.8	10.09

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.185	8.721	374.5	406.9	-13.11	5.824
Stddev	2.609	1.652	1.3	3.8	.91	.090
%RSD	220.1	18.94	.3602	.9337	6.950	1.544

#1	1.643	8.909	374.8	411.1	-14.03	5.866
#2	-3.498	6.983	375.6	406.1	-13.09	5.720
#3	-1.701	10.27	373.0	403.6	-12.21	5.885

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

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	22.55	40.94	6569.	1118.
Stddev	.28	.07	16.	51.
%RSD	1.253	.1645	.2491	4.535

#1	22.33	40.90	6574.	1117.
#2	22.45	40.90	6583.	1068.
#3	22.87	41.02	6551.	1169.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9895.9	66758.	10330.
Stddev	126.9	1242.	400.
%RSD	1.2827	1.8597	3.8729

#1	9750.1	66418.	10341.
#2	9956.0	65722.	9924.2
#3	9981.7	68134.	10724.

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	170200.	18.17	-2.034	1097.	9.314	3052.
Stddev	758.	.69	.521	6.	.098	14.
%RSD	.4451	3.790	25.62	.5340	1.046	.4481

#1	169400.	18.01	-2.219	1099.	9.203	3037.
#2	170800.	17.58	-2.437	1101.	9.386	3064.
#3	170500.	18.93	-1.445	1090.	9.353	3054.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6646	94.21	258.0	78.59	195300.	56300.
Stddev	.1488	1.15	1.0	.33	807.	341.
%RSD	22.40	1.223	.3776	.4197	.4130	.6056

#1	-.4978	94.30	257.6	78.90	194600.	55910.
#2	-.7840	95.31	259.1	78.63	196200.	56440.
#3	-.7119	93.01	257.3	78.25	195100.	56540.

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

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69390.	4020.	1885.	226.3	87.66	11.29
Stddev	382.	15.	12.	1.8	1.73	2.09
%RSD	.5500	.3732	.6137	.8056	1.973	18.52

#1	69080.	4008.	1871.	228.1	89.47	8.896
#2	69820.	4037.	1893.	226.5	86.02	12.76
#3	69260.	4017.	1889.	224.5	87.49	12.22

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8419	6.069	295.3	582.5	-13.98	1.319
Stddev	3.991	2.372	1.0	2.7	.61	.536
%RSD	474.0	39.08	.3226	.4662	4.397	40.67

#1	.5775	4.406	294.2	582.2	-14.58	.6998
#2	-3.010	8.785	296.0	585.4	-14.01	1.637
#3	4.958	5.016	295.7	580.0	-13.35	1.621

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

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	30.93	44.35	13250.	1053.
Stddev	.53	.14	45.	11.
%RSD	1.703	.3270	.3361	1.079

#1	30.48	44.18	13280.	1060.
#2	30.80	44.43	13260.	1060.
#3	31.51	44.44	13200.	1040.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9691.8	65761.	10311.
Stddev	7.5	284.	241.
%RSD	.07742	.43132	2.3352

#1	9695.5	66063.	10581.
#2	9683.2	65501.	10117.
#3	9696.8	65719.	10235.

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	140800.	19.99	-1.637	786.7	7.160	6241.
Stddev	713.	2.48	.551	2.6	.122	47.
%RSD	.5067	12.42	33.65	.3279	1.706	.7583

#1	140000.	20.08	-1.677	786.5	7.296	6187.
#2	140900.	17.47	-1.067	789.4	7.060	6269.
#3	141400.	22.43	-2.167	784.3	7.125	6268.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1115	78.08	229.3	127.9	182600.	42910.
Stddev	.0733	.81	1.0	1.0	585.	282.
%RSD	65.74	1.032	.4275	.7561	.3203	.6566

#1	-.0583	77.41	228.3	128.8	182000.	42610.
#2	-.0811	78.98	230.3	128.0	182800.	42970.
#3	-.1952	77.85	229.2	126.9	183100.	43160.

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

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50090.	2391.	886.2	174.1	300.1	12.13
Stddev	236.	6.	9.9	.5	.9	2.40
%RSD	.4713	.2610	1.117	.3079	.3036	19.80

#1	49830.	2384.	874.8	173.7	299.8	9.907
#2	50130.	2394.	891.9	174.0	301.1	14.68
#3	50300.	2395.	891.9	174.7	299.4	11.80

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

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	-2.236	4.419	237.8	648.5	-10.87	.8428
Stddev	2.931	4.204	1.1	.7	.81	.6637
%RSD	131.1	95.12	.4577	.1148	7.479	78.76

#1	-1.486	1.205	236.7	648.0	-10.28	.8118
#2	.2470	2.877	238.9	649.4	-11.80	.1951
#3	-5.470	9.177	237.9	648.2	-10.54	1.521

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

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	36.06	46.84	9461.	1040.
Stddev	.49	.26	14.	9.
%RSD	1.371	.5651	.1459	.8577

#1	35.77	46.53	9464.	1048.
#2	36.63	47.01	9473.	1042.
#3	35.77	46.96	9446.	1031.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9626.8	65813.	10149.
Stddev	28.0	428.	202.
%RSD	.29069	.65093	1.9906

#1	9621.9	66074.	10357.
#2	9656.9	66047.	10136.
#3	9601.6	65319.	9953.8

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.01	.5704	.2593	70.06	-.0444	87710.
Stddev	25.76	2.019	.8456	.15	.0097	107.
%RSD	122.6	354.1	326.1	.2158	21.89	.1221

#1	50.73	-1.593	.7847	70.23	-.0503	87590.
#2	5.311	.8993	.7093	69.96	-.0332	87760.
#3	6.972	2.405	-.7161	69.98	-.0497	87790.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0763	.8181	-.9300	-.0298	9.596	21970.
Stddev	.0285	.1407	.4649	.4936	14.86	34.
%RSD	37.39	17.20	49.99	1656.	154.8	.1568

#1	-.0493	.7282	-.9671	-.0181	20.71	21940.
#2	-.1061	.9802	-1.375	-.5292	-7.277	22010.
#3	-.0733	.7458	-.4476	.4578	15.35	21970.

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

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20410.	170.3	124900.	4.179	-1.045	1.025
Stddev	42.	2.3	126.	.589	2.220	.976
%RSD	.2053	1.380	.1009	14.09	212.5	95.18

#1	20370.	167.8	125100.	4.851	-3.346	2.124
#2	20440.	170.7	124900.	3.756	-8.719	.2605
#3	20440.	172.4	124800.	3.929	1.084	.6907

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.109	-2.410	.4209	4.549	281.2	1.971
Stddev	1.145	1.800	.2515	.058	2.8	.120
%RSD	54.31	74.69	59.76	1.282	.9871	6.094

#1	-3.431	-1.051	.7108	4.486	278.0	1.935
#2	-1.467	-4.452	.2908	4.560	282.2	2.105
#3	-1.429	-1.728	.2611	4.601	283.3	1.873

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

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.9108	624.0	1.831	4646.
Stddev	.7109	1.2	.844	89.
%RSD	78.05	.1918	46.11	1.918

#1	-.1228	625.0	2.802	4548.
#2	-1.106	624.3	1.279	4667.
#3	-1.504	622.7	1.411	4722.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9343.6	64269.	9842.6
Stddev	26.7	56.	48.5
%RSD	.28603	.08644	.49319

#1	9373.8	64299.	9801.3
#2	9334.3	64303.	9896.0
#3	9322.8	64205.	9830.4

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2373.	1974.	54.82	2052.	51.79	22620.
Stddev	5.	2.	.07	4.	.23	137.
%RSD	.2060	.1005	.1225	.2034	.4423	.6048

#1	2368.	1971.	54.75	2054.	51.71	22540.
#2	2377.	1975.	54.88	2056.	51.62	22550.
#3	2373.	1975.	54.84	2048.	52.05	22780.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.31	518.9	402.2	256.9	2139.	18840.
Stddev	.15	1.4	2.6	2.4	25.	98.
%RSD	.2977	.2788	.6445	.9271	1.148	.5201

#1	51.36	519.4	401.9	259.0	2141.	18850.
#2	51.44	520.0	399.7	254.3	2113.	18740.
#3	51.14	517.3	404.9	257.5	2162.	18930.

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

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20990.	614.4	29860.	807.4	517.7	485.2
Stddev	137.	1.9	96.	1.2	1.0	1.9
%RSD	.6541	.3090	.3213	.1468	.1957	.3947

#1	20930.	614.2	29870.	806.8	517.4	487.0
#2	20890.	612.7	29760.	808.8	518.8	483.2
#3	21150.	616.4	29950.	806.6	516.9	485.4

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1984.	2112.	521.7	532.7	523.0	490.4
Stddev	8.	12.	3.6	2.1	2.2	1.2
%RSD	.3922	.5513	.6986	.3925	.4212	.2441

#1	1993.	2119.	522.5	533.5	523.8	491.5
#2	1977.	2099.	517.7	534.2	520.5	489.2
#3	1983.	2118.	524.9	530.3	524.7	490.7

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

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	514.8	511.5	544.4	5118.
Stddev	3.0	.3	.3	124.
%RSD	.5764	.0577	.0595	2.420

#1	516.0	511.9	544.4	5133.
#2	511.4	511.4	544.7	5234.
#3	517.0	511.3	544.0	4987.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9520.1	64169.	9804.3
Stddev	37.5	576.	205.9
%RSD	.39409	.89726	2.1005

#1	9514.2	64407.	9860.4
#2	9485.9	64588.	9976.3
#3	9560.2	63513.	9576.1

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2832.	1966.	49.51	2012.	50.64	22320.
Stddev	17.	4.	.32	5.	.12	126.
%RSD	.6111	.2199	.6489	.2445	.2455	.5644

#1	2848.	1966.	49.20	2007.	50.50	22180.
#2	2813.	1971.	49.49	2014.	50.74	22360.
#3	2834.	1962.	49.84	2016.	50.68	22430.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.59	510.0	403.3	250.7	2129.	18310.
Stddev	.06	1.0	4.2	3.0	9.	47.
%RSD	.1283	.1901	1.052	1.216	.4430	.2592

#1	50.55	509.3	399.4	248.6	2119.	18320.
#2	50.67	509.6	402.7	249.3	2136.	18250.
#3	50.56	511.1	407.8	254.2	2133.	18350.

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

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20740.	607.6	29510.	806.9	509.7	490.1
Stddev	128.	2.6	20.	2.0	1.0	1.4
%RSD	.6157	.4200	.0681	.2495	.1968	.2869

#1	20600.	604.9	29500.	804.7	510.5	489.8
#2	20770.	607.9	29490.	807.3	508.6	491.7
#3	20850.	610.0	29530.	808.7	510.0	488.9

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1935.	2073.	510.7	526.0	514.7	481.1
Stddev	11.	7.	3.7	1.2	1.5	.6
%RSD	.5722	.3406	.7286	.2262	.2901	.1340

#1	1948.	2066.	506.4	525.5	513.0	480.3
#2	1930.	2072.	512.8	525.2	515.3	481.5
#3	1928.	2080.	513.0	527.4	515.8	481.4

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

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	507.0	497.2	534.4	5674.
Stddev	2.3	.8	1.7	66.
%RSD	.4566	.1607	.3243	1.156

#1	504.4	497.7	532.9	5612.
#2	507.8	497.5	534.0	5743.
#3	508.9	496.3	536.3	5666.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9409.3	63666.	9674.8
Stddev	20.4	372.	102.3
%RSD	.21640	.58468	1.0569

#1	9413.7	64051.	9686.3
#2	9427.1	63641.	9770.8
#3	9387.1	63307.	9567.3

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	345.2	-1.199	.4899	5.279	.0869	2265.
Stddev	7.0	1.258	.2619	.218	.0987	18.
%RSD	2.027	105.0	53.46	4.128	113.5	.7841

#1	337.3	-.5401	.7630	5.466	.1297	2275.
#2	350.5	-.4062	.4657	5.040	.1569	2277.
#3	347.9	-2.649	.2409	5.333	-.0259	2245.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0606	5.373	194.4	7.729	1136.	622.7
Stddev	.0989	.094	1.0	.122	13.	25.8
%RSD	163.4	1.757	.4977	1.573	1.123	4.144

#1	-.0783	5.302	195.2	7.591	1128.	620.8
#2	-.1494	5.480	194.6	7.819	1129.	649.4
#3	.0461	5.338	193.3	7.777	1150.	597.9

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

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	832.2	83.79	9922.	298.6	.3372	2.219
Stddev	11.0	.98	7.	3.3	.9419	1.442
%RSD	1.327	1.164	.0659	1.092	279.3	64.97

#1	823.9	83.13	9928.	295.7	-.0048	1.666
#2	827.9	83.32	9922.	302.2	-.3858	1.136
#3	844.7	84.91	9915.	298.0	1.402	3.856

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

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	-2.051	-1.053	1.123	7.013	8.719	.0247
Stddev	3.408	.238	.203	.145	.509	.3192
%RSD	166.1	22.58	18.12	2.061	5.842	1295.

#1	-5.549	-.9796	1.147	7.115	9.171	.3823
#2	-1.864	-.8612	.9087	7.076	8.818	-.0768
#3	1.259	-1.319	1.314	6.848	8.167	-.2315

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

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.135	11.39	15.38	4877.
Stddev	.051	.05	.31	110.
%RSD	4.501	.4457	2.011	2.263

#1	-1.180	11.40	15.34	4750.
#2	-1.080	11.33	15.09	4955.
#3	-1.144	11.43	15.71	4925.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9645.8	65205.	9754.8
Stddev	22.7	304.	257.9
%RSD	.23556	.46582	2.6438

#1	9671.2	64888.	9463.1
#2	9627.5	65233.	9848.9
#3	9638.6	65493.	9952.5

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	405.7	-7088	-3348	5.219	.0100	2268.
Stddev	2.3	1.111	.4546	.195	.1184	20.
%RSD	.5581	156.8	135.8	3.735	1179.	.9009

#1	405.3	.0406	-.6318	5.118	-.1235	2280.
#2	408.2	-1.985	.1885	5.096	.1022	2280.
#3	403.7	-.1817	-.5612	5.444	.0514	2245.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1244	5.170	193.1	7.582	1132.	595.0
Stddev	.0547	.062	.4	.575	3.	48.5
%RSD	43.99	1.199	.2223	7.589	.2319	8.150

#1	-.1176	5.181	192.8	8.125	1129.	599.1
#2	-.1822	5.226	193.6	7.642	1132.	544.6
#3	-.0734	5.104	192.9	6.979	1134.	641.3

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

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	834.3	84.94	10010.	300.6	.4890	.2231
Stddev	1.9	.85	14.	2.2	1.332	1.324
%RSD	.2234	.9971	.1396	.7456	272.3	593.4
#1	833.2	84.58	10010.	298.1	2.020	.2836
#2	833.3	84.34	10020.	302.2	-.3976	-1.130
#3	836.4	85.91	9996.	301.7	-.1556	1.515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.470	-2.099	1.070	6.991	8.010	-.5761
Stddev	.594	.582	.225	.187	.466	.3503
%RSD	24.05	27.72	21.01	2.679	5.818	60.81
#1	-2.440	-2.771	.9652	7.201	7.675	-.3279
#2	-1.892	-1.786	1.328	6.931	8.542	-.4236
#3	-3.079	-1.741	.9162	6.841	7.812	-.9768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.213	11.66	19.36	5089.
Stddev	.859	.07	.10	119.
%RSD	70.83	.6176	.5328	2.337

#1	-2.205	11.72	19.26	4955.
#2	-.7402	11.58	19.36	5131.
#3	-.6944	11.68	19.47	5181.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9631.3	65313.	9886.8
Stddev	30.8	639.	107.0
%RSD	.31999	.97852	1.0820

#1	9595.8	64797.	9767.9
#2	9646.1	65114.	9917.4
#3	9651.8	66028.	9975.1

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121500.	2506.	1246.	10030.	991.2	125300.
Stddev	650.	4.	4.	7.	3.2	881.
%RSD	.5346	.1542	.3563	.0654	.3180	.7034

#1	121100.	2502.	1250.	10030.	988.6	125200.
#2	122300.	2506.	1247.	10030.	994.7	126200.
#3	121100.	2510.	1241.	10020.	990.2	124500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1241.	2489.	5122.	12590.	100900.	48360.
Stddev	3.	4.	21.	23.	506.	266.
%RSD	.2634	.1592	.4137	.1824	.5021	.5498

#1	1243.	2488.	5118.	12610.	100900.	48170.
#2	1244.	2494.	5145.	12570.	101300.	48660.
#3	1238.	2487.	5103.	12600.	100300.	48230.

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

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126300.	5147.	124700.	2517.	7499.	994.1
Stddev	655.	21.	560.	4.	18.	3.1
%RSD	.5189	.4157	.4488	.1617	.2344	.3110

#1	126200.	5147.	124700.	2519.	7512.	996.5
#2	127000.	5168.	125300.	2520.	7506.	990.6
#3	125600.	5125.	124200.	2513.	7479.	995.2

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2451.	2480.	2519.	2511.	992.8	2449.
Stddev	7.	1.	5.	17.	4.9	1.
%RSD	.2864	.0517	.1841	.6618	.4910	.0500

#1	2443.	2479.	2518.	2518.	990.6	2448.
#2	2454.	2482.	2524.	2523.	989.4	2448.
#3	2456.	2479.	2515.	2492.	998.3	2450.

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

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	996.2	4883.	10210.	9873.
Stddev	3.6	11.	10.	171.
%RSD	.3629	.2244	.0957	1.727

#1	997.3	4881.	10210.	9919.
#2	999.1	4895.	10220.	9685.
#3	992.1	4874.	10200.	10020.

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	8956.2	61558.	9661.0
Stddev	58.5	638.	188.6
%RSD	.65329	1.0368	1.9517

#1	8909.2	61301.	9700.5
#2	8937.6	61088.	9455.9
#3	9021.7	62284.	9826.8

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.453	.0645	.4473	-.1494	.0019	-16.90
Stddev	8.432	1.034	.2128	.2646	.0997	2.12
%RSD	89.21	1604.	47.57	177.1	5344.	12.53

#1	7.625	.6011	.6712	.0751	-.0666	-16.98
#2	18.65	-1.128	.2477	-.0823	.1162	-18.98
#3	2.084	.7201	.4230	-.4412	-.0440	-14.74

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	-.1389	-.2157	-.2997	-.2883	-.0497	7.770
Stddev	.0253	.2813	.5393	.1225	10.23	40.37
%RSD	18.19	130.4	179.9	42.49	20600.	519.5

#1	-.1298	-.1801	.3089	-.2566	8.393	54.21
#2	-.1675	-.5132	-.4900	-.1847	2.883	-12.01
#3	-.1195	.0461	-.7181	-.4235	-11.42	-18.89

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

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.709	-.3578	-27.15	-.1119	.7399	.5584
Stddev	2.104	.1755	20.88	.4166	.2531	.5956
%RSD	24.16	49.05	76.89	372.2	34.20	106.7
#1	-7.604	-.2080	-3.695	.1897	.8896	.0344
#2	-7.387	-.3145	-43.70	.0618	.8823	.4347
#3	-11.14	-.5509	-34.07	-.5873	.4477	1.206

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

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	-.5769	.2054	.1466	-.2374	-1.603	-.6217
Stddev	.5863	1.017	.2832	.1130	.780	.4253
%RSD	101.6	495.3	193.2	47.59	48.68	68.42
#1	.1000	1.079	-.0126	-.3645	-.7027	-.3057
#2	-.9260	-.9113	.4737	-.1991	-2.021	-.4541
#3	-.9046	.4483	-.0211	-.1486	-2.085	-1.105

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

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-6468	.0099	-.5319	-4.133
Stddev	.5267	.1648	.0495	13.07
%RSD	81.44	1666.	9.300	316.3

#1	-1.561	.1982	-.4846	-19.20
#2	-.5809	-.0604	-.5833	2.656
#3	-1.203	-1.081	-.5280	4.147

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	9587.7	64364.	9969.5
Stddev	90.1	889.	188.1
%RSD	.93956	1.3814	1.8867

#1	9483.7	64050.	10077.
#2	9637.9	63674.	9752.3
#3	9641.6	65367.	10079.

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	203.5	11.64	9.730	205.8	1.801	5120.
Stddev	.2	1.51	.431	1.1	.119	14.
%RSD	.0937	12.94	4.434	.5117	6.626	.2750

#1	203.5	11.94	10.06	204.6	1.673	5130.
#2	203.3	10.01	9.241	206.2	1.821	5127.
#3	203.7	12.98	9.890	206.6	1.909	5104.

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	3.953	51.94	9.737	23.44	161.3	4787.
Stddev	.089	.15	.407	.43	3.0	58.
%RSD	2.264	.2860	4.176	1.821	1.869	1.206

#1	3.869	51.96	9.918	22.99	157.9	4730.
#2	4.047	51.79	9.272	23.83	163.2	4785.
#3	3.942	52.08	10.02	23.52	163.0	4845.

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

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5084.	15.96	4902.	41.94	10.41	21.08
Stddev	58.	.19	28.	.49	.60	1.60
%RSD	1.146	1.183	.5657	1.166	5.738	7.597

#1	5017.	15.77	4875.	42.01	9.724	19.52
#2	5121.	15.96	4900.	41.43	10.81	21.01
#3	5114.	16.15	4931.	42.40	10.69	22.72

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.16	19.05	51.96	31.36	45.90	17.53
Stddev	1.83	.66	.75	.19	.04	.42
%RSD	10.64	3.458	1.435	.5901	.0828	2.395

#1	15.57	18.87	51.30	31.21	45.86	17.06
#2	16.76	18.50	51.82	31.30	45.90	17.86
#3	19.15	19.78	52.77	31.57	45.94	17.66

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

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	48.35	20.31	19.60	F -15.66
Stddev	.51	.27	.39	5.94
%RSD	1.054	1.329	1.985	37.91

#1	47.99	20.09	19.17	-14.50
#2	48.12	20.24	19.70	-10.39
#3	48.93	20.61	19.93	-22.10

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	9601.1	65083.	9929.0
Stddev	9.2	128.	174.8
%RSD	.09631	.19599	1.7602

#1	9610.6	65033.	10120.
#2	9592.1	64988.	9776.2
#3	9600.5	65228.	9891.2

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83.53	-0.8752	-0.3100	.9215	-0.0279	439.1
Stddev	4.60	.7008	.3841	.1666	.0670	8.5
%RSD	5.505	80.08	123.9	18.08	240.0	1.930

#1	88.03	-0.0682	-0.6151	.7507	-.0446	445.9
#2	78.84	-1.226	.1214	.9303	-.0850	429.6
#3	83.73	-1.331	-0.4363	1.084	.0459	441.9

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.1623	.8790	38.72	.3979	214.5	91.47
Stddev	.1114	.0776	.33	.0727	6.9	14.35
%RSD	68.65	8.833	.8466	18.28	3.240	15.69

#1	-0.2742	.8625	38.65	.3207	208.2	79.33
#2	-0.0514	.9635	38.43	.4077	213.3	107.3
#3	-0.1613	.8109	39.08	.4652	222.0	87.76

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

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	156.2	16.29	1986.	59.69	.4029	.0864
Stddev	3.8	.23	17.	.25	1.450	2.266
%RSD	2.438	1.434	.8742	.4247	359.9	2623.

#1	153.1	16.24	1969.	59.59	-1.027	2.695
#2	155.0	16.09	2004.	59.98	.3626	-1.385
#3	160.4	16.55	1985.	59.51	1.873	-1.051

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

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	-2.187	-2.860	.1795	1.265	-.7811	-1.797
Stddev	3.849	1.464	.1503	.193	.1396	.180
%RSD	176.0	51.18	83.74	15.23	17.87	10.01

#1	2.244	-1.768	.0405	1.189	-.7670	-1.977
#2	-4.097	-4.523	.1591	1.484	-.9272	-1.618
#3	-4.707	-2.289	.3390	1.122	-.6491	-1.796

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

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.005	2.050	1.966	1011.
Stddev	.471	.138	.325	21.
%RSD	46.91	6.741	16.54	2.031

#1	-1.005	2.179	1.695	988.9
#2	-1.476	2.068	1.876	1030.
#3	-.5332	1.904	2.327	1013.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9602.7	65095.	9877.1
Stddev	36.4	760.	125.2
%RSD	.37915	1.1677	1.2674

#1	9593.4	64719.	9779.0
#2	9642.9	65970.	9834.3
#3	9571.9	64596.	10018.

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.090	-2.388	.0474	-.3862	-.0354	-22.71
Stddev	7.882	.668	.1564	.1853	.0343	5.44
%RSD	192.7	27.98	329.8	47.98	96.90	23.94

#1	-4.292	-2.165	.1167	-.4319	-.0256	-20.68
#2	5.210	-3.140	-.1316	-.5445	-.0071	-28.87
#3	11.35	-1.860	.1572	-.1824	-.0735	-18.58

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1922	-.2435	-.4143	-1.580	-8.944	-63.20
Stddev	.0509	.1200	.4647	.198	4.920	2.79
%RSD	26.46	49.28	112.2	12.52	55.01	4.413

#1	-.2262	-.2009	-.6114	-1.591	-4.995	-66.28
#2	-.2166	-.3790	.1165	-1.377	-14.46	-62.49
#3	-.1337	-.1506	-.7479	-1.772	-7.380	-60.84

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

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-14.11	-6145	-65.27	.1534	.4956	1.000
Stddev	4.53	.0199	5.27	.3650	1.076	.932
%RSD	32.11	3.240	8.074	237.9	217.2	93.23

#1	-18.66	-.5916	-70.96	.2569	1.732	.5793
#2	-14.06	-.6243	-60.56	.4556	-.0113	2.069
#3	-9.604	-.6275	-64.30	-.2522	-.2339	.3523

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

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	-3.460	-1.1667	-.0758	.0077	.1794	-2.303
Stddev	1.321	1.183	.1679	.1139	.3816	.131
%RSD	38.19	709.3	221.6	1477.	212.6	5.680

#1	-4.517	1.038	-.0918	.0519	-.2380	-2.445
#2	-1.979	-1.326	-.2350	.0929	.2661	-2.275
#3	-3.885	-.2119	.0996	-.1216	.5103	-2.188

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

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.808	-.2629	-2.346	44.96
Stddev	.833	.0701	.191	15.29
%RSD	46.04	26.65	8.132	34.00

#1	-.8517	-.3428	-2.502	41.41
#2	-2.202	-.2337	-2.133	61.71
#3	-2.371	-.2122	-2.404	31.76

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9599.1	64566.	9955.1
Stddev	40.6	313.	104.2
%RSD	.42263	.48461	1.0463

#1	9553.6	64800.	9897.9
#2	9631.6	64211.	9892.0
#3	9612.1	64689.	10075.

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1884.	1923.	47.91	1946.	49.25	19480.
Stddev	17.	6.	.27	2.	.21	37.
%RSD	.8835	.3101	.5607	.1063	.4251	.1923

#1	1903.	1930.	48.12	1945.	49.04	19480.
#2	1872.	1922.	48.01	1948.	49.46	19440.
#3	1877.	1918.	47.61	1945.	49.27	19510.

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	49.06	492.0	208.9	240.1	1010.	17050.
Stddev	.11	.6	.7	.2	10.	15.
%RSD	.2237	.1125	.3307	.0730	.9476	.0863

#1	49.03	492.3	209.3	240.1	1006.	17050.
#2	48.96	492.3	208.1	240.3	1004.	17030.
#3	49.18	491.3	209.2	240.0	1022.	17060.

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

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19360.	512.9	19000.	506.2	497.3	478.5
Stddev	34.	.3	21.	1.4	.3	1.1
%RSD	.1730	.0497	.1082	.2777	.0516	.2277

#1	19380.	512.8	18990.	507.0	497.6	479.7
#2	19370.	512.8	19030.	504.6	497.0	478.3
#3	19320.	513.2	19000.	507.1	497.2	477.5

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1911.	2022.	503.8	504.8	494.1	467.8
Stddev	3.	3.	3.3	1.8	1.1	.8
%RSD	.1782	.1522	.6549	.3549	.2193	.1752

#1	1914.	2024.	500.1	503.1	494.5	467.2
#2	1907.	2023.	505.0	506.7	492.8	468.8
#3	1911.	2018.	506.4	504.6	494.9	467.5

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

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	491.9	470.2	503.8	72.37
Stddev	3.2	.4	1.1	19.65
%RSD	.6555	.0801	.2207	27.16

#1	488.5	469.9	505.0	50.31
#2	494.9	470.6	503.8	78.79
#3	492.3	470.0	502.7	88.01

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	9514.4	64546.	9974.9
Stddev	27.8	150.	35.3
%RSD	.29220	.23244	.35434

#1	9542.2	64391.	9996.2
#2	9486.6	64690.	9994.3
#3	9514.3	64557.	9934.1

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.66	-.8705	.3160	.9138	-.0323	24.86
Stddev	6.86	3.023	.4507	.0923	.1168	1.93
%RSD	54.13	347.2	142.6	10.10	361.4	7.758

#1	6.206	1.655	.6180	1.018	.0206	24.58
#2	19.86	-4.220	.5319	.8807	-.1662	23.08
#3	11.93	-.0463	-.2020	.8426	.0487	26.91

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1132	-.1417	-.2637	-1.467	-4.897	-34.27
Stddev	.1058	.1977	.5616	.499	9.610	10.11
%RSD	93.50	139.6	212.9	33.99	196.3	29.51

#1	-.1992	.0300	-.0133	-2.041	-7.769	-23.05
#2	-.1452	-.3578	-.9070	-1.218	5.822	-37.06
#3	.0050	-.0972	.1291	-1.143	-12.74	-42.69

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

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.246	-.3761	13.28	-.0608	1.320	.7945
Stddev	4.917	.1415	13.40	.2577	.615	.6979
%RSD	53.18	37.63	100.9	424.0	46.57	87.84

#1	-14.70	-.3165	17.55	.0530	1.597	1.169
#2	-5.145	-.2741	24.02	.1204	1.749	-.0107
#3	-7.896	-.5377	-1.734	-.3558	.6158	1.226

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5417	-1.626	-.2762	2.102	3.959	-1.623
Stddev	1.951	1.344	.3758	.063	.190	.198
%RSD	360.1	82.68	136.0	3.000	4.794	12.22

#1	-2.445	-.1175	-.0683	2.174	3.858	-1.789
#2	-.6330	-2.062	-.0504	2.074	4.177	-1.676
#3	1.453	-2.697	-.7100	2.057	3.840	-1.403

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

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.0819	-.0677	-2.289	78.64
Stddev	.3052	.0626	.192	5.92
%RSD	372.6	92.39	8.396	7.528

#1	-.0406	-.0798	-2.490	73.17
#2	-.1430	-.0000	-2.270	77.83
#3	.4294	-.1234	-2.107	84.92

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9602.5	64825.	9970.3
Stddev	13.5	601.	145.3
%RSD	.14109	.92696	1.4575

#1	9618.0	65514.	10049.
#2	9595.8	64554.	10059.
#3	9593.5	64407.	9802.6

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.23	-.3931	.0512	-.3885	-.1585	-19.86
Stddev	9.63	1.628	.5299	.1789	.0854	3.95
%RSD	94.14	414.1	1036.	46.03	53.89	19.91

#1	1.044	-2.118	.4457	-.2302	-.0601	-20.09
#2	9.401	1.116	.2589	-.3528	-.2017	-15.80
#3	20.26	-.1769	-.5512	-.5826	-.2137	-23.69

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1850	-.3397	-.4711	-1.130	.6077	-46.09
Stddev	.0142	.0826	.3288	.348	8.447	4.97
%RSD	7.678	24.32	69.80	30.79	1390.	10.78

#1	-.1975	-.3423	-.0921	-.7608	-5.789	-41.92
#2	-.1696	-.2557	-.6800	-1.177	10.18	-44.75
#3	-.1880	-.4209	-.6412	-1.452	-2.570	-51.59

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

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.88	-.5365	-60.79	-.3299	.2579	.2174
Stddev	1.66	.0179	14.09	.4988	.9015	.4336
%RSD	15.23	3.342	23.18	151.2	349.6	199.5

#1	-9.976	-.5186	-48.40	.2365	1.268	-.0045
#2	-12.79	-.5544	-76.12	-.7035	-.4642	.7170
#3	-9.867	-.5365	-57.84	-.5227	-.0304	-.0603

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.340	-2.171	-.1045	.6958	.7586	-2.206
Stddev	3.402	1.833	.2956	.0611	.1084	.078
%RSD	78.39	84.43	282.8	8.786	14.29	3.517

#1	-2.046	-.2485	-.0232	.7412	.8800	-2.294
#2	-8.249	-2.366	.1419	.6263	.6715	-2.176
#3	-2.725	-3.900	-.4322	.7199	.7243	-2.148

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

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	- .8113	- .2276	-2.567	27.16
Stddev	.1966	.0441	.161	8.11
%RSD	24.24	19.36	6.251	29.87

#1	- .9234	- .2722	-2.640	35.57
#2	- .5843	- .2266	-2.383	26.52
#3	- .9263	- .1841	-2.678	19.38

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9619.9	65008.	9924.3
Stddev	41.5	482.	91.3
%RSD	.43166	.74070	.91998

#1	9595.3	65049.	9884.3
#2	9667.8	65467.	9859.8
#3	9596.5	64507.	10029.

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.25	-1.190	-.0457	178.9	.0079	108300.
Stddev	17.27	1.384	.5020	.9	.0753	328.
%RSD	55.27	116.2	1098.	.4990	959.6	.3027

#1	12.30	-.1065	-.5560	179.5	-.0377	108700.
#2	35.33	-2.749	-.0286	179.3	.0948	108000.
#3	46.12	-.7159	.4475	177.9	-.0335	108300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1909	.1940	-.9072	-.8598	903.0	1050.
Stddev	.1126	.0692	.6074	.1013	24.0	47.
%RSD	59.00	35.68	66.95	11.78	2.657	4.461

#1	-.2718	.2530	-.4986	-.8993	881.3	1020.
#2	-.0623	.2111	-.6179	-.9354	898.9	1026.
#3	-.2386	.1178	-1.605	-.7448	928.8	1104.

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

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21270.	521.0	36790.	.7045	-1.036	.7985
Stddev	44.	1.4	34.	.3256	1.049	.5031
%RSD	.2068	.2638	.0916	46.22	101.2	63.00

#1	21250.	522.5	36760.	.7590	.0256	1.379
#2	21240.	519.8	36780.	.9993	-2.072	.4974
#3	21320.	520.6	36830.	.3550	-1.062	.5189

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.896	-2.833	1.381	1.145	46.93	-2.030
Stddev	.888	2.640	.138	.075	.31	.117
%RSD	30.66	93.20	9.965	6.527	.6526	5.769

#1	3.921	-.0452	1.372	1.137	46.78	-1.902
#2	2.414	-3.158	1.248	1.074	47.29	-2.056
#3	2.354	-5.296	1.523	1.223	46.74	-2.132

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

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.031	1056.	.3184	7326.
Stddev	.623	1.	.2883	55.
%RSD	30.69	.0643	90.54	.7499

#1	-2.729	1056.	.1035	7266.
#2	-1.533	1057.	.6460	7373.
#3	-1.829	1056.	.2056	7339.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9314.0	63092.	9922.0
Stddev	31.8	256.	60.0
%RSD	.34177	.40585	.60436

#1	9286.1	62799.	9915.1
#2	9307.3	63273.	9985.1
#3	9348.7	63204.	9865.8

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.95	4.577	2.089	90.63	.0381	81970.
Stddev	4.88	1.820	.834	.16	.1588	373.
%RSD	20.36	39.76	39.92	.1782	416.8	.4544
#1	20.90	3.079	1.170	90.75	.2207	82400.
#2	29.58	4.049	2.797	90.45	-.0386	81720.
#3	21.39	6.603	2.300	90.70	-.0679	81800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0319	18.54	.9577	.5695	9098.	3258.
Stddev	.1498	.23	.5571	.3493	129.	46.
%RSD	469.0	1.255	58.17	61.32	1.415	1.406
#1	-.1452	18.80	1.601	.2165	8949.	3227.
#2	-.0885	18.34	.6478	.5773	9173.	3237.
#3	.1379	18.50	.6244	.9149	9172.	3311.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30640.	7555.	37100.	15.25	-2.380	-.2241
Stddev	135.	26.	30.	.28	1.836	1.830
%RSD	.4391	.3405	.0817	1.816	77.15	816.6
#1	30800.	7585.	37110.	15.51	-2.830	1.860
#2	30560.	7542.	37120.	14.95	-.3606	-1.565
#3	30570.	7539.	37060.	15.28	-3.949	-.9679

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.835	4.831	14.74	6.591	44.73	-1.199
Stddev	1.859	2.501	.24	.181	.78	.064
%RSD	48.46	51.76	1.623	2.749	1.747	5.326
#1	5.653	3.280	14.54	6.643	43.83	-1.142
#2	3.914	3.497	14.68	6.390	45.26	-1.268
#3	1.939	7.716	15.00	6.741	45.09	-1.186

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

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.8571	463.2	.1842	10740.
Stddev	.2860	.2	.0636	130.
%RSD	33.37	.0343	34.53	1.205

#1	-.6933	463.0	.1131	10650.
#2	-1.187	463.3	.2040	10680.
#3	-.6906	463.2	.2356	10890.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9375.8	63633.	9999.3
Stddev	20.1	322.	36.2
%RSD	.21452	.50620	.36199

#1	9353.3	63262.	10036.
#2	9392.1	63842.	9997.7
#3	9382.0	63795.	9963.9

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.18	-2.989	.2855	181.3	-.0744	108900.
Stddev	4.28	1.953	.4847	.2	.1812	574.
%RSD	10.92	65.33	169.7	.1159	243.5	.5268

#1	37.67	-2.147	.7129	181.5	.1246	109600.
#2	35.86	-5.222	-.2411	181.1	-.1179	108700.
#3	44.01	-1.599	.3849	181.5	-.2300	108500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0636	-.0450	-.5237	-.4109	1326.	1124.
Stddev	.1186	.1493	.1096	.1595	9.	36.
%RSD	186.5	331.3	20.93	38.82	.6430	3.168

#1	-.1373	-.0171	-.5472	-.3905	1320.	1113.
#2	.0732	.0883	-.6196	-.5797	1336.	1164.
#3	-.1268	-.2063	-.4042	-.2626	1322.	1095.

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

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21550.	523.7	37440.	1.076	-.6889	.0800
Stddev	110.	1.7	70.	.150	.5255	1.296
%RSD	.5097	.3219	.1871	13.93	76.27	1620.

#1	21670.	525.3	37360.	1.173	-.2154	1.563
#2	21520.	524.0	37470.	1.153	-.5972	-.4884
#3	21450.	521.9	37490.	.9037	-1.254	-.8343

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

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1869	-2.820	1.838	1.566	47.81	-2.067
Stddev	1.640	2.156	.221	.101	1.12	.077
%RSD	877.4	76.46	12.01	6.424	2.350	3.746

#1	1.588	-5.212	2.093	1.569	46.61	-2.054
#2	.5903	-1.026	1.703	1.666	48.84	-1.996
#3	-1.617	-2.222	1.720	1.464	47.97	-2.149

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

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.612	1074.	.5239	7482.
Stddev	.632	2.	.1425	62.
%RSD	39.24	.1523	27.20	.8256

#1	-1.255	1072.	.5317	7413.
#2	-1.238	1074.	.6624	7499.
#3	-2.342	1075.	.3777	7533.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9393.8	63739.	10055.
Stddev	4.2	345.	69.
%RSD	.04419	.54170	.68312

#1	9394.3	63342.	10088.
#2	9389.4	63911.	9976.2
#3	9397.7	63965.	10102.

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.713	-1.650	.1063	-.2242	-.1295	-23.50
Stddev	7.930	.375	.1223	.0658	.1240	4.93
%RSD	213.6	22.74	115.1	29.35	95.76	20.96
#1	-5.406	-1.229	-.0156	-.2975	-.1452	-18.49
#2	8.996	-1.951	.2290	-.1702	-.2450	-23.69
#3	7.548	-1.770	.1054	-.2049	.0016	-28.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1257	-.3279	-.5705	-.6609	-1.181	-30.61
Stddev	.0886	.0604	.2417	.0447	9.476	10.24
%RSD	70.49	18.41	42.36	6.764	802.5	33.45
#1	-.1375	-.3958	-.3044	-.6880	-5.015	-38.42
#2	-.0318	-.2801	-.6310	-.6093	-8.139	-34.39
#3	-.2078	-.3079	-.7763	-.6853	9.612	-19.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.94	-.4816	-51.42	.2184	-.0736	.2805
Stddev	4.07	.0575	7.73	.4944	.2918	2.177
%RSD	37.22	11.94	15.04	226.4	396.7	776.4

#1	-6.821	-.4446	-55.60	.5793	-.2619	2.794
#2	-14.97	-.4523	-56.17	.4210	-.2213	-.9212
#3	-11.04	-.5478	-42.50	-.3451	.2626	-1.031

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

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	-3.558	-1.836	-.1031	1.795	.1195	-2.327
Stddev	2.485	1.223	.4347	.087	.2392	.275
%RSD	69.84	66.60	421.5	4.863	200.2	11.82

#1	-3.200	-.9956	-.0056	1.891	.1759	-2.057
#2	-6.202	-1.274	-.5783	1.775	.3254	-2.318
#3	-1.271	-3.239	.2745	1.720	-.1429	-2.607

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

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.267	-1.1248	-2.399	29.06
Stddev	.102	.1210	.120	8.79
%RSD	8.046	96.98	5.019	30.24

#1	-1.330	-.0563	-2.448	22.93
#2	-1.149	-.2645	-2.262	25.12
#3	-1.321	-.0536	-2.487	39.13

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9580.3	64335.	9922.7
Stddev	30.8	469.	53.6
%RSD	.32154	.72951	.54010

#1	9572.3	64603.	9978.1
#2	9614.3	63793.	9871.2
#3	9554.3	64608.	9918.6

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.19	14.93	.2396	138.2	-.0149	20750.
Stddev	3.71	1.11	.4140	.7	.1339	105.
%RSD	7.862	7.406	172.8	.4779	901.3	.5074

#1	46.22	16.19	.3325	139.0	-.0925	20870.
#2	44.07	14.11	-.2130	137.9	.1398	20730.
#3	51.29	14.49	.5991	137.8	-.0919	20660.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0359	-.1807	-.4998	.5550	713.3	16550.
Stddev	.0150	.1408	.6168	.3819	13.5	64.
%RSD	41.75	77.90	123.4	68.80	1.891	.3862

#1	-.0468	-.1239	-.8849	.1713	726.8	16480.
#2	-.0188	-.0772	.2116	.5588	699.8	16610.
#3	-.0422	-.3410	-.8261	.9350	713.3	16570.

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

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19850.	34.11	F 364100.	1.886	3.091	-.4095
Stddev	81.	.69	5038.	.614	.767	.5359
%RSD	.4080	2.018	1.384	32.55	24.82	130.9

#1	19940.	34.04	369600.	2.441	3.738	.1251
#2	19840.	33.46	363000.	1.992	2.244	-.4069
#3	19780.	34.83	359700.	1.226	3.292	-.9467

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-.6011	-2.606	.2310	8.952	77.38	-2.139
Stddev	.6559	.988	.5647	.060	.98	.180
%RSD	109.1	37.89	244.5	.6660	1.271	8.435

#1	-1.187	-3.449	-.2546	8.978	77.64	-2.267
#2	.1075	-1.520	.0968	8.884	78.21	-1.933
#3	-.7235	-2.850	.8507	8.995	76.29	-2.218

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

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.3160	194.6	.7303	164.1
Stddev	.5860	.3	.1701	11.4
%RSD	185.4	.1507	23.29	6.928

#1	.0660	194.9	.7277	175.3
#2	.9855	194.4	.5614	164.5
#3	-.1036	194.4	.9016	152.6

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	9213.4	62542.	10079.
Stddev	20.2	295.	72.
%RSD	.21953	.47161	.71368

#1	9199.6	62241.	10003.
#2	9203.9	62554.	10146.
#3	9236.6	62830.	10090.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Batch Number: 361465 Batch Start Date: 04/08/16 07:27 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 04/08/16 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_91 00001	
MB 460-361465/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-361465/2		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	50 mL		1.02 g	
460-111496-A-3	D3	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	50 mL			
460-111496-A-3 DU	D3	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	50 mL			
460-111496-A-3 MS	D3	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	50 mL	2 mL		
460-111496-A-1	B3	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-111496-A-2	D2	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	50 mL			
460-111496-A-4	FD-Y	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	0000135237
Logbook ID for diluted Nitric	MPR278
Lot # of Nitric Acid	0000129810
Hot Block ID	#3
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#42
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J227204-6407 (50 ml Dg tube)
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111496-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID	Lab Sample ID
<u>B3</u>	<u>460-111496-1</u>
<u>D2</u>	<u>460-111496-2</u>
<u>D3</u>	<u>460-111496-3</u>
<u>FD-Y</u>	<u>460-111496-4</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111496-1
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: 460-111496-1
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.: 460-111496-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/08/2016 16:19 End Date: 04/08/2016 16:19

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
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ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
ZZZZZZ			16:19																		
460-111496-1	1	T	16:19	X	X																
460-111496-2	1	T	16:19	X	X																
ZZZZZZ			16:19																		
460-111496-4	1	T	16:19	X	X																
ZZZZZZ			16:19																		
460-111566-A-2 DU	1	T	16:19	X	X																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/08/2016 16:36 End Date: 04/08/2016 16:36

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			16:36																		
460-111496-3	1	T	16:36	X	X																
460-111496-3 MS	1	T	16:36	X	X																
460-111496-3 MSD	1	T	16:36	X	X																
460-111496-3 DU	1	T	16:36	X	X																
ZZZZZZ			16:36																		
ZZZZZZ			16:36																		
ZZZZZZ			16:36																		
ZZZZZZ			16:36																		
ZZZZZZ			16:36																		
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ZZZZZZ			16:36																		

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Batch Number: 361555 Batch Start Date: 04/08/16 16:19 Batch Analyst: Hodge, Joshua DBatch Method: Moisture Batch End Date: 04/09/16 08:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-111496-A-1	B3	Moisture	T	17	1.01 g	7.15 g	6.75 g		
460-111496-A-2	D2	Moisture	T	18	1.02 g	5.57 g	5.11 g		
460-111496-A-4	FD-Y	Moisture	T	20	1.01 g	7.07 g	6.55 g		
460-111566-A-2 DU		Moisture	T	22	1.02 g	6.78 g	6.19 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	4/8/16
Oven Temp In	105 Degrees C
Time samples were place in the oven	16:36
Date samples were removed from oven	4/9/16
Oven Temp Out	105 Degrees C
Time Samples were removed from oven	08:59
Oven ID	3
Thermometer ID	117021
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 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

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111496-1

SDG No.: _____

Batch Number: 361557 Batch Start Date: 04/08/16 16:36 Batch Analyst: Hodge, Joshua DBatch Method: Moisture Batch End Date: 04/09/16 09:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-111496-A-3	D3	Moisture	T	24	1.03 g	6.04 g	5.68 g		
460-111496-A-3 MS	D3	Moisture	T	25	1.03 g	6.04 g	5.68 g		
460-111496-A-3 MSD	D3	Moisture	T	26	1.03 g	6.04 g	5.68 g		
460-111496-A-3 DU	D3	Moisture	T	27	1.03 g	6.04 g	5.68 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	4/8/16
Oven Temp In	105 Degrees C
Time samples were place in the oven	16:49
Date samples were removed from oven	4/9/16
Oven Temp Out	105 Degrees C
Time Samples were removed from oven	09:03
Oven ID	3
Thermometer ID	117021
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 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

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

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11496

RG

	RAW	CORRECTED	RAW	CORRECTED	RAW	CORRECTED		
Cooler #1:	1.0 °C	2.58 °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

	RAW	CORRECTED	RAW	CORRECTED	RAW	CORRECTED		
Cooler #1:	1.0 °C	2.58 °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]

Date:

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-111496-1

Login Number: 111496

List Source: TestAmerica Edison

List Number: 1

Creator: Lysy, Susan

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0°C IR#6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.