Appendix AB

Reuse Soil Documentation

Whitehurst, Tiffany

From: Schindler, Jason
Sent: Wednesday, August 28, 2019 4:56 PM
To: Haklar.James@epa.gov
Cc: Mark D. Fisher (mfisher@elminc.com); Caroline Ehrlich (Caroline.ehrlich@twp.woodbridge.nj.us); MICHAEL GELIN, P. E. CME (MICHAEL.GELIN@TWP.WOODBRIDGE.NJ.US); Matthew J. Mauro (mmauro@excelenv.com); Ansari, Ramin; German, Joseph; Devorak, Coleen; Peachey, Bryan
Subject: RE: Woodbridge Pond clean fill sampling
Attachments: 460-189937-1ExcelPivot.xls

Jim,
Attached are the laboratory analytical results received today for the seven fill material samples analyzed for PCBs and BEHP. All results are non-detect. Weston will proceed with placing this material as backfill required in portions of the pond. Let me know if you have any questions.
Thanks,
Jason

From: Schindler, Jason
Sent: Wednesday, August 28, 2019 8:50 AM
To: 'Haklar.James@epa.gov' <Haklar.James@epa.gov>
Cc: Mark D. Fisher (mfisher@elminc.com) <mfisher@elminc.com>; Caroline Ehrlich (Caroline.ehrlich@twp.woodbridge.nj.us) <Caroline.ehrlich@twp.woodbridge.nj.us>; MICHAEL GELIN, P. E. CME (MICHAEL.GELIN@TWP.WOODBRIDGE.NJ.US) <MICHAEL.GELIN@TWP.WOODBRIDGE.NJ.US>; Matthew J. Mauro (mmauro@excelenv.com) <mmauro@excelenv.com>; Ansari, Ramin <Ramin.Ansari@lanxess.com>; German, Joseph <Joe.German@WestonSolutions.com>; Devorak, Coleen (Coleen.Devorak@WestonSolutions.com) <Coleen.Devorak@WestonSolutions.com>; Peachey, Bryan <Bryan.Peachey@WestonSolutions.com>
Subject: Woodbridge Pond clean fill sampling

Jim,
This message is to let you know that we collected samples of the fill material from beneath the construction pad and planned for reuse in Woodbridge Pond. This was done as part of the site restoration and as specified in Weston's December 5, 2017 response to USEPA comments on Remedial Action Work Plan Addendum 4. The total surface area measures 75 feet by 90 feet, or a total of 6,750 square feet. Weston collected seven samples, 1 per 1,000 square feet, for analysis of PCBs and bis(2-ethylhexyl)phthalate. We will use the results to verify that the material has not been impacted by construction operations. We will provide you with the results of sampling prior to placing the fill in the pond. Let me know if you have any questions.
Thanks,
Jason

Jason Schindler
Principal Project Manager
Weston Solutions, Inc.
205 Campus Drive
Edison, NJ 08837
Tel: 732-417-5804
Cell: 732-740-5529
Fax: 732-417-5801

www.westonsolutions.com

TestAmerica Laboratories, Inc.
Eurofins TestAmerica, Edison

SUMMARY OF ANALYTICAL RESULTS: 460-189937-1
Job Description: Hatco - Woodbridge Pond
For:
Weston Solutions, Inc.
205 Campus Drive
Edison, New Jersey 08837-3939

Client ID	NJ_SRS7_26D_Tbl1A	NJ_SRS7_26D_Tbl1B	NJDEP	**WP-PAD01-08272019**				**WP-PAD02-08272019**					
Lab Sample ID	Residential	Non-Residential	IGW Screening	460-189937-1				460-189937-2					
Sampling Date	Sept_2017	Sept_2017	Nov_2013	08/27/2019 12:50:00				08/27/2019 12:55:00					
Matrix				Soil				Soil					
Dilution Factor				1				1					
Unit	mg/kg	mg/kg	mg/kg	mg/kg				mg/kg					
				Result	Q	MDL	RL	Result	Q	MDL	RL	Result	Q
SOIL BY 8270D													
Bis(2-ethylhexyl) phthalate	35	140	1200	0.018	U	0.018	0.34	0.018	U	0.018	0.34	0.018	U
Total Conc	NA	NA	NA	0.0		NA	NA	0.0		NA	NA	0.0	

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Patricia Grieco
Senior Project Manager
(732)593-2507

WP-PAD03-08272019		**WP-PAD04-08272019**				**WP-PAD05-08272019**				**WP-PAD06-08272019**				**WP-PAD07-08272019**			
460-189937-3		460-189937-4				460-189937-5				460-189937-6				460-189937-7			
08/27/2019 13:00:00		08/27/2019 13:05:00				08/27/2019 13:10:00				08/27/2019 13:15:00				08/27/2019 13:20:00			
Soil		Soil				Soil				Soil				Soil			
1		1				1				1				1			
mg/kg		mg/kg				mg/kg				mg/kg				mg/kg			
MDL	RL	Result	Q	MDL	RL	Result	Q	MDL	RL	Result	Q	MDL	RL	Result	Q	MDL	RL
0.018	0.34	0.018	U	0.018	0.34	0.018	U	0.018	0.34	0.018	U	0.018	0.34	0.018	U	0.018	0.34
NA	NA	0.0		NA	NA	0.0		NA	NA	0.0		NA	NA	0.0		NA	NA

Environment Testing
TestAmerica

ANALYTICAL REPORT

Job Number: 460-189937-1

Job Description: Hatco - Woodbridge Pond

For:
Weston Solutions, Inc.
205 Campus Drive
Edison, NJ 08837-3939

Attention: Jason Schindler

Approved for release.
Patricia Grieco
Senior Project Manager
9/25/2019 1:34 PM

Patricia Grieco, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(732)593-2507
patricia.grieco@testamericainc.com
09/25/2019
Revision: 3

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Hatco - Woodbridge Pond

Report Number: 460-189937-1

Revision #1:

SVOC: The soil samples were analyzed on instrument 5; however, information of initial calibration from instrument 18 was included in the lab report. The incorrect forms, quant reports, chromatograms, and such from instrument 18 must be removed and replaced by those from instrument 5.

Revision #2:

Include the Form 3 to summarize the MS/MSD results For PCBs.

Revision #3:
Include the Form 3 to summarize the MS/MSD results For PCBs.

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.

RECEIPT
The samples were received on 08/27/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 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 (GC/MS)
Sample WP-FB-08272019 (460-189937-8) was analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared and analyzed on 08/27/2019.

The continuing calibration verification (CCV) associated with batch 460-635316 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples WP-PAD01-08272019 (460-189937-1), WP-PAD02-08272019 (460-189937-2), WP-PAD03-08272019 (460-189937-3), WP-PAD04-08272019 (460-189937-4), WP-PAD05-08272019 (460-189937-5), WP-PAD06-08272019 (460-189937-6) and

WP-PAD07-08272019 (460-189937-7) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 08/27/2019 and analyzed on 08/28/2019.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample WP-FB-08272019 (460-189937-8) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 08/27/2019 and analyzed on 08/28/2019.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples WP-PAD01-08272019 (460-189937-1), WP-PAD02-08272019 (460-189937-2), WP-PAD03-08272019 (460-189937-3), WP-PAD04-08272019 (460-189937-4), WP-PAD05-08272019 (460-189937-5), WP-PAD06-08272019 (460-189937-6) and WP-PAD07-08272019 (460-189937-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 08/27/2019 and analyzed on 08/28/2019.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples WP-PAD01-08272019 (460-189937-1), WP-PAD02-08272019 (460-189937-2), WP-PAD03-08272019 (460-189937-3), WP-PAD04-08272019 (460-189937-4), WP-PAD05-08272019 (460-189937-5), WP-PAD06-08272019 (460-189937-6) and WP-PAD07-08272019 (460-189937-7) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 08/27/2019.

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

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-189937-1	WP-PAD01-08272019	Solid	08/27/19 12:50	08/27/19 13:55	
460-189937-2	WP-PAD02-08272019	Solid	08/27/19 12:55	08/27/19 13:55	
460-189937-3	WP-PAD03-08272019	Solid	08/27/19 13:00	08/27/19 13:55	
460-189937-4	WP-PAD04-08272019	Solid	08/27/19 13:05	08/27/19 13:55	
460-189937-5	WP-PAD05-08272019	Solid	08/27/19 13:10	08/27/19 13:55	
460-189937-6	WP-PAD06-08272019	Solid	08/27/19 13:15	08/27/19 13:55	
460-189937-7	WP-PAD07-08272019	Solid	08/27/19 13:20	08/27/19 13:55	
460-189937-8	WP-FB-08272019	Water	08/27/19 13:25	08/27/19 13:55	

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

Client Sample ID: WP-PAD01-08272019 — Lab Sample ID: 460-189937-1

No Detections.

Client Sample ID: WP-PAD02-08272019 — Lab Sample ID: 460-189937-2

No Detections.

Client Sample ID: WP-PAD03-08272019 — Lab Sample ID: 460-189937-3

No Detections.

Client Sample ID: WP-PAD04-08272019 — Lab Sample ID: 460-189937-4

No Detections.

Client Sample ID: WP-PAD05-08272019 — Lab Sample ID: 460-189937-5

No Detections.

Client Sample ID: WP-PAD06-08272019 — Lab Sample ID: 460-189937-6

No Detections.

Client Sample ID: WP-PAD07-08272019 — Lab Sample ID: 460-189937-7

No Detections.

Client Sample ID: WP-FB-08272019 — Lab Sample ID: 460-189937-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	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 = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: WP-PAD01-08272019

Lab Sample ID: 460-189937-1
Date Collected: 08/27/19 12:50
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	08/27/19 20:47	08/28/19 07:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*81*		*25 - 113*	*08/27/19 20:47*	*08/28/19 07:11*	*1*
Terphenyl-d14 (Surr)	*89*		*27 - 123*	*08/27/19 20:47*	*08/28/19 07:11*	*1*
2-Fluorobiphenyl	*80*		*29 - 107*	*08/27/19 20:47*	*08/28/19 07:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.070	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Aroclor 1221	0.0092	U	0.070	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Aroclor 1232	0.0092	U	0.070	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Aroclor 1242	0.0092	U	0.070	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Aroclor 1248	0.0092	U	0.070	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Aroclor 1254	0.0095	U	0.070	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Aroclor 1260	0.0095	U	0.070	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Aroclor-1262	0.0095	U	0.070	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Aroclor 1268	0.0095	U	0.070	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1
Polychlorinated biphenyls, Total	0.0095	U	0.070	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*53 - 150*	*08/27/19 21:39*	*08/28/19 08:45*	*1*
DCB Decachlorobiphenyl	*104*		*53 - 150*	*08/27/19 21:39*	*08/28/19 08:45*	*1*

Client Sample ID: WP-PAD02-08272019

Lab Sample ID: 460-189937-2
Date Collected: 08/27/19 12:55
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	08/27/19 20:47	08/28/19 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*78*		*25 - 113*	*08/27/19 20:47*	*08/28/19 07:34*	*1*
Terphenyl-d14 (Surr)	*86*		*27 - 123*	*08/27/19 20:47*	*08/28/19 07:34*	*1*
2-Fluorobiphenyl	*79*		*29 - 107*	*08/27/19 20:47*	*08/28/19 07:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Aroclor 1221	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Aroclor 1232	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Aroclor 1242	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Aroclor 1248	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Aroclor 1254	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Aroclor 1260	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Aroclor-1262	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Aroclor 1268	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1
Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:02	1

Client Sample ID: WP-PAD02-08272019

Lab Sample ID: 460-189937-2
Date Collected: 08/27/19 12:55
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		53 - 150	08/27/19 21:39	08/28/19 09:02	1
DCB Decachlorobiphenyl	112		53 - 150	08/27/19 21:39	08/28/19 09:02	1

Client Sample ID: WP-PAD03-08272019

Lab Sample ID: 460-189937-3
Date Collected: 08/27/19 13:00
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	08/27/19 20:47	08/28/19 07:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	83		25 - 113	08/27/19 20:47	08/28/19 07:57	1
Terphenyl-d14 (Surr)	96		27 - 123	08/27/19 20:47	08/28/19 07:57	1
2-Fluorobiphenyl	82		29 - 107	08/27/19 20:47	08/28/19 07:57	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0093	U	0.070	0.0093	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Aroclor 1221	0.0093	U	0.070	0.0093	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Aroclor 1232	0.0093	U	0.070	0.0093	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Aroclor 1242	0.0093	U	0.070	0.0093	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Aroclor 1248	0.0093	U	0.070	0.0093	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Aroclor 1254	0.0096	U	0.070	0.0096	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Aroclor 1260	0.0096	U	0.070	0.0096	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Aroclor-1262	0.0096	U	0.070	0.0096	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Aroclor 1268	0.0096	U	0.070	0.0096	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1
Polychlorinated biphenyls, Total	0.0096	U	0.070	0.0096	mg/Kg	☼	08/27/19 21:39	08/28/19 09:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		53 - 150	08/27/19 21:39	08/28/19 09:20	1
DCB Decachlorobiphenyl	108		53 - 150	08/27/19 21:39	08/28/19 09:20	1

Client Sample ID: WP-PAD04-08272019

Lab Sample ID: 460-189937-4
Date Collected: 08/27/19 13:05
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	08/27/19 20:47	08/28/19 06:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86		25 - 113	08/27/19 20:47	08/28/19 06:48	1
Terphenyl-d14 (Surr)	97		27 - 123	08/27/19 20:47	08/28/19 06:48	1
2-Fluorobiphenyl	84		29 - 107	08/27/19 20:47	08/28/19 06:48	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1
Aroclor 1221	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1
Aroclor 1232	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1
Aroclor 1242	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1

Client Sample ID: WP-PAD04-08272019

Lab Sample ID: 460-189937-4
Date Collected: 08/27/19 13:05
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1
Aroclor 1254	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1
Aroclor 1260	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1
Aroclor-1262	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1
Aroclor 1268	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1
Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*53 - 150*	*08/27/19 21:39*	*08/28/19 09:37*	*1*
DCB Decachlorobiphenyl	*126*		*53 - 150*	*08/27/19 21:39*	*08/28/19 09:37*	*1*

Client Sample ID: WP-PAD05-08272019

Lab Sample ID: 460-189937-5
Date Collected: 08/27/19 13:10
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	08/27/19 20:47	08/28/19 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*78*		*25 - 113*	*08/27/19 20:47*	*08/28/19 08:20*	*1*
Terphenyl-d14 (Surr)	*89*		*27 - 123*	*08/27/19 20:47*	*08/28/19 08:20*	*1*
2-Fluorobiphenyl	*79*		*29 - 107*	*08/27/19 20:47*	*08/28/19 08:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Aroclor 1221	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Aroclor 1232	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Aroclor 1242	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Aroclor 1248	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Aroclor 1254	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Aroclor 1260	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Aroclor-1262	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Aroclor 1268	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1
Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 09:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*53 - 150*	*08/27/19 21:39*	*08/28/19 09:54*	*1*
DCB Decachlorobiphenyl	*105*		*53 - 150*	*08/27/19 21:39*	*08/28/19 09:54*	*1*

Client Sample ID: WP-PAD06-08272019

Lab Sample ID: 460-189937-6
Date Collected: 08/27/19 13:15
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	08/27/19 20:47	08/28/19 08:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*82*		*25 - 113*	*08/27/19 20:47*	*08/28/19 08:44*	*1*
Terphenyl-d14 (Surr)	*97*		*27 - 123*	*08/27/19 20:47*	*08/28/19 08:44*	*1*

Client Sample ID: WP-PAD06-08272019

Lab Sample ID: 460-189937-6

Date Collected: 08/27/19 13:15
Date Received: 08/27/19 13:55

Matrix: Solid
Percent Solids: 96.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		29 - 107	08/27/19 20:47	08/28/19 08:44	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Aroclor 1221	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Aroclor 1232	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Aroclor 1242	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Aroclor 1248	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Aroclor 1254	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Aroclor 1260	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Aroclor-1262	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Aroclor 1268	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1
Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		53 - 150	08/27/19 21:39	08/28/19 10:31	1
DCB Decachlorobiphenyl	101		53 - 150	08/27/19 21:39	08/28/19 10:31	1

Client Sample ID: WP-PAD07-08272019

Lab Sample ID: 460-189937-7

Date Collected: 08/27/19 13:20
Date Received: 08/27/19 13:55

Matrix: Solid
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	08/27/19 20:47	08/28/19 09:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86		25 - 113	08/27/19 20:47	08/28/19 09:07	1
Terphenyl-d14 (Surr)	92		27 - 123	08/27/19 20:47	08/28/19 09:07	1
2-Fluorobiphenyl	83		29 - 107	08/27/19 20:47	08/28/19 09:07	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Aroclor 1221	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Aroclor 1232	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Aroclor 1242	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Aroclor 1248	0.0092	U	0.069	0.0092	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Aroclor 1254	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Aroclor 1260	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Aroclor-1262	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Aroclor 1268	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1
Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095	mg/Kg	☼	08/27/19 21:39	08/28/19 10:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	109		53 - 150	08/27/19 21:39	08/28/19 10:48	1
DCB Decachlorobiphenyl	108		53 - 150	08/27/19 21:39	08/28/19 10:48	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

Client Sample ID: WP-FB-08272019

Date Collected: 08/27/19 13:25
Date Received: 08/27/19 13:55

Lab Sample ID: 460-189937-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		08/27/19 17:43	08/27/19 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*81*		*51 - 108*	*08/27/19 17:43*	*08/27/19 21:37*	*1*
Terphenyl-d14 (Surr)	*73*		*40 - 148*	*08/27/19 17:43*	*08/27/19 21:37*	*1*
2-Fluorobiphenyl	*73*		*45 - 107*	*08/27/19 17:43*	*08/27/19 21:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 09:55	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 09:55	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 09:55	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 09:55	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 09:55	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		08/27/19 17:11	08/28/19 09:55	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		08/27/19 17:11	08/28/19 09:55	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		08/27/19 17:11	08/28/19 09:55	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		08/27/19 17:11	08/28/19 09:55	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 150*	*08/27/19 17:11*	*08/28/19 09:55*	*1*
DCB Decachlorobiphenyl	*61*		*10 - 150*	*08/27/19 17:11*	*08/28/19 09:55*	*1*

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	TPHL	FBP
Lab Sample ID	Client Sample ID	(25-113)	(27-123)	(29-107)
460-189937-1	WP-PAD01-08272019	81	89	80
460-189937-2	WP-PAD02-08272019	78	86	79
460-189937-3	WP-PAD03-08272019	83	96	82
460-189937-4	WP-PAD04-08272019	86	97	84
460-189937-4 MS	WP-PAD04-08272019	82	96	85
460-189937-4 MSD	WP-PAD04-08272019	92	101	92
460-189937-5	WP-PAD05-08272019	78	89	79
460-189937-6	WP-PAD06-08272019	82	97	82
460-189937-7	WP-PAD07-08272019	86	92	83
LCS 460-635378/2-A	Lab Control Sample	75	87	76
LCSD 460-635378/3-A	Lab Control Sample Dup	88	96	90
MB 460-635378/1-A	Method Blank	83	91	81

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	TPHL	FBP
Lab Sample ID	Client Sample ID	(51-108)	(40-148)	(45-107)
460-189937-8	WP-FB-08272019	81	73	73
LCS 460-635227/2-A	Lab Control Sample	75	68	68
LCSD 460-635227/3-A	Lab Control Sample Dup	74	68	68
MB 460-635227/1-A	Method Blank	87	86	77

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(53-150)	(53-150)
460-189937-1	WP-PAD01-08272019	98	104
460-189937-1 MS	WP-PAD01-08272019	90	109
460-189937-1 MSD	WP-PAD01-08272019	101	111
460-189937-2	WP-PAD02-08272019	102	112
460-189937-3	WP-PAD03-08272019	101	108
460-189937-4	WP-PAD04-08272019	119	126
460-189937-5	WP-PAD05-08272019	96	105
460-189937-6	WP-PAD06-08272019	98	101
460-189937-7	WP-PAD07-08272019	109	108
LCS 460-635383/2-A	Lab Control Sample	93	104
LCSD 460-635383/3-A	Lab Control Sample Dup	101	108

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	**Client Sample ID**	**DCBP1 (53-150)**	**DCBP2 (53-150)**
MB 460-635383/1-A	Method Blank	94	94

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	**Client Sample ID**	**DCBP1 (10-150)**	**DCBP2 (10-150)**
460-189937-8	WP-FB-08272019	59	61
LCS 460-635331/2-A	Lab Control Sample	99	109
LCSD 460-635331/3-A	Lab Control Sample Dup	100	109
MB 460-635331/1-A	Method Blank	96	108

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 460-635227/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 635316 — **Prep Batch: 635227**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		08/27/19 10:37	08/27/19 19:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*87*		*51 - 108*	*08/27/19 10:37*	*08/27/19 19:36*	*1*
Terphenyl-d14 (Surr)	*86*		*40 - 148*	*08/27/19 10:37*	*08/27/19 19:36*	*1*
2-Fluorobiphenyl	*77*		*45 - 107*	*08/27/19 10:37*	*08/27/19 19:36*	*1*

Lab Sample ID: LCS 460-635227/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 635316 — **Prep Batch: 635227**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	80.0	79.2		ug/L		99	63 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*75*		*51 - 108*
Terphenyl-d14 (Surr)	*68*		*40 - 148*
2-Fluorobiphenyl	*68*		*45 - 107*

Lab Sample ID: LCSD 460-635227/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 635316 — **Prep Batch: 635227**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	80.0	79.2		ug/L		99	63 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*74*		*51 - 108*
Terphenyl-d14 (Surr)	*68*		*40 - 148*
2-Fluorobiphenyl	*68*		*45 - 107*

Lab Sample ID: MB 460-635378/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 635421 — **Prep Batch: 635378**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.017	U	0.33	0.017	mg/Kg		08/27/19 20:47	08/28/19 05:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*83*		*25 - 113*	*08/27/19 20:47*	*08/28/19 05:15*	*1*
Terphenyl-d14 (Surr)	*91*		*27 - 123*	*08/27/19 20:47*	*08/28/19 05:15*	*1*
2-Fluorobiphenyl	*81*		*29 - 107*	*08/27/19 20:47*	*08/28/19 05:15*	*1*

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

Lab Sample ID: LCS 460-635378/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 635421 — **Prep Batch: 635378**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	3.33	3.14		mg/Kg		94	63 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*75*		*25 - 113*
Terphenyl-d14 (Surr)	*87*		*27 - 123*
2-Fluorobiphenyl	*76*		*29 - 107*

Lab Sample ID: LCSD 460-635378/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 635421 — **Prep Batch: 635378**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	3.33	3.45		mg/Kg		104	63 - 125	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*88*		*25 - 113*
Terphenyl-d14 (Surr)	*96*		*27 - 123*
2-Fluorobiphenyl	*90*		*29 - 107*

Lab Sample ID: 460-189937-4 MS — **Client Sample ID: WP-PAD04-08272019**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 635421 — **Prep Batch: 635378**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	0.018	U	3.45	3.63		mg/Kg	☼	105	63 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*82*		*25 - 113*
Terphenyl-d14 (Surr)	*96*		*27 - 123*
2-Fluorobiphenyl	*85*		*29 - 107*

Lab Sample ID: 460-189937-4 MSD — **Client Sample ID: WP-PAD04-08272019**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 635421 — **Prep Batch: 635378**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	0.018	U	3.45	3.74		mg/Kg	☼	108	63 - 125	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*92*		*25 - 113*
Terphenyl-d14 (Surr)	*101*		*27 - 123*
2-Fluorobiphenyl	*92*		*29 - 107*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-635331/1-A
Matrix: Water
Analysis Batch: 635463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 08:21	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 08:21	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 08:21	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 08:21	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 08:21	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		08/27/19 17:11	08/28/19 08:21	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		08/27/19 17:11	08/28/19 08:21	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		08/27/19 17:11	08/28/19 08:21	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		08/27/19 17:11	08/28/19 08:21	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		08/27/19 17:11	08/28/19 08:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*08/27/19 17:11*	*08/28/19 08:21*	*1*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*08/27/19 17:11*	*08/28/19 08:21*	*1*

Lab Sample ID: LCS 460-635331/2-A
Matrix: Water
Analysis Batch: 635463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	4.00	3.59		ug/L		90	78 - 150
Aroclor 1016	4.00	4.32		ug/L		108	78 - 150
Aroclor 1260	4.00	4.73		ug/L		118	80 - 150
Aroclor 1260	4.00	4.93		ug/L		123	80 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*10 - 150*
DCB Decachlorobiphenyl	*109*		*10 - 150*

Lab Sample ID: LCSD 460-635331/3-A
Matrix: Water
Analysis Batch: 635463

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 635331

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	4.00	3.58		ug/L		90	78 - 150	0	30
Aroclor 1016	4.00	4.17		ug/L		104	78 - 150	3	30
Aroclor 1260	4.00	4.65		ug/L		116	80 - 150	2	30
Aroclor 1260	4.00	4.74		ug/L		118	80 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*10 - 150*
DCB Decachlorobiphenyl	*109*		*10 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-635383/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 635460 — **Prep Batch: 635383**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		08/27/19 21:39	08/28/19 08:11	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		08/27/19 21:39	08/28/19 08:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*53 - 150*	*08/27/19 21:39*	*08/28/19 08:11*	*1*
DCB Decachlorobiphenyl	*94*		*53 - 150*	*08/27/19 21:39*	*08/28/19 08:11*	*1*

Lab Sample ID: LCS 460-635383/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 635460 — **Prep Batch: 635383**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.282		mg/Kg		85	76 - 146
Aroclor 1016	0.333	0.337		mg/Kg		101	76 - 146
Aroclor 1260	0.333	0.321		mg/Kg		96	74 - 148
Aroclor 1260	0.333	0.398		mg/Kg		119	74 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*53 - 150*
DCB Decachlorobiphenyl	*104*		*53 - 150*

Lab Sample ID: LCSD 460-635383/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 635460 — **Prep Batch: 635383**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.333	0.309		mg/Kg		93	76 - 146	9	30
Aroclor 1016	0.333	0.352		mg/Kg		106	76 - 146	4	30
Aroclor 1260	0.333	0.356		mg/Kg		107	74 - 148	10	30
Aroclor 1260	0.333	0.407		mg/Kg		122	74 - 148	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*53 - 150*
DCB Decachlorobiphenyl	*108*		*53 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-189937-1 MS
Matrix: Solid
Analysis Batch: 635460

Client Sample ID: WP-PAD01-08272019
Prep Type: Total/NA
Prep Batch: 635383

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016	0.0092	U	0.346	0.312		mg/Kg	☼	90	76 - 146		
Aroclor 1016	0.0092	U	0.346	0.349		mg/Kg	☼	101	76 - 146		
Aroclor 1260	0.0095	U	0.346	0.324		mg/Kg	☼	94	74 - 148		
Aroclor 1260	0.0095	U	0.346	0.416		mg/Kg	☼	120	74 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*53 - 150*
DCB Decachlorobiphenyl	*109*		*53 - 150*

Lab Sample ID: 460-189937-1 MSD
Matrix: Solid
Analysis Batch: 635460

Client Sample ID: WP-PAD01-08272019
Prep Type: Total/NA
Prep Batch: 635383

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.0092	U	0.346	0.318		mg/Kg	☼	92	76 - 146	2	30
Aroclor 1016	0.0092	U	0.346	0.374		mg/Kg	☼	108	76 - 146	7	30
Aroclor 1260	0.0095	U	0.346	0.335		mg/Kg	☼	97	74 - 148	4	30
Aroclor 1260	0.0095	U	0.346	0.424		mg/Kg	☼	122	74 - 148	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*53 - 150*
DCB Decachlorobiphenyl	*111*		*53 - 150*

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

GC/MS Semi VOA

Prep Batch: 635227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-8	WP-FB-08272019	Total/NA	Water	3510C	
MB 460-635227/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-635227/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-635227/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 635316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-8	WP-FB-08272019	Total/NA	Water	8270D	635227
MB 460-635227/1-A	Method Blank	Total/NA	Water	8270D	635227
LCS 460-635227/2-A	Lab Control Sample	Total/NA	Water	8270D	635227
LCSD 460-635227/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	635227

Prep Batch: 635378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-1	WP-PAD01-08272019	Total/NA	Solid	3546	
460-189937-2	WP-PAD02-08272019	Total/NA	Solid	3546	
460-189937-3	WP-PAD03-08272019	Total/NA	Solid	3546	
460-189937-4	WP-PAD04-08272019	Total/NA	Solid	3546	
460-189937-5	WP-PAD05-08272019	Total/NA	Solid	3546	
460-189937-6	WP-PAD06-08272019	Total/NA	Solid	3546	
460-189937-7	WP-PAD07-08272019	Total/NA	Solid	3546	
MB 460-635378/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-635378/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-635378/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-189937-4 MS	WP-PAD04-08272019	Total/NA	Solid	3546	
460-189937-4 MSD	WP-PAD04-08272019	Total/NA	Solid	3546	

Analysis Batch: 635421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-1	WP-PAD01-08272019	Total/NA	Solid	8270D	635378
460-189937-2	WP-PAD02-08272019	Total/NA	Solid	8270D	635378
460-189937-3	WP-PAD03-08272019	Total/NA	Solid	8270D	635378
460-189937-4	WP-PAD04-08272019	Total/NA	Solid	8270D	635378
460-189937-5	WP-PAD05-08272019	Total/NA	Solid	8270D	635378
460-189937-6	WP-PAD06-08272019	Total/NA	Solid	8270D	635378
460-189937-7	WP-PAD07-08272019	Total/NA	Solid	8270D	635378
MB 460-635378/1-A	Method Blank	Total/NA	Solid	8270D	635378
LCS 460-635378/2-A	Lab Control Sample	Total/NA	Solid	8270D	635378
LCSD 460-635378/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	635378
460-189937-4 MS	WP-PAD04-08272019	Total/NA	Solid	8270D	635378
460-189937-4 MSD	WP-PAD04-08272019	Total/NA	Solid	8270D	635378

GC Semi VOA

Prep Batch: 635331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-8	WP-FB-08272019	Total/NA	Water	3510C	
MB 460-635331/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-635331/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-635331/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

GC Semi VOA

Prep Batch: 635383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-1	WP-PAD01-08272019	Total/NA	Solid	3546	
460-189937-2	WP-PAD02-08272019	Total/NA	Solid	3546	
460-189937-3	WP-PAD03-08272019	Total/NA	Solid	3546	
460-189937-4	WP-PAD04-08272019	Total/NA	Solid	3546	
460-189937-5	WP-PAD05-08272019	Total/NA	Solid	3546	
460-189937-6	WP-PAD06-08272019	Total/NA	Solid	3546	
460-189937-7	WP-PAD07-08272019	Total/NA	Solid	3546	
MB 460-635383/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-635383/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-635383/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-189937-1 MS	WP-PAD01-08272019	Total/NA	Solid	3546	
460-189937-1 MSD	WP-PAD01-08272019	Total/NA	Solid	3546	

Analysis Batch: 635460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-1	WP-PAD01-08272019	Total/NA	Solid	8082A	635383
460-189937-2	WP-PAD02-08272019	Total/NA	Solid	8082A	635383
460-189937-3	WP-PAD03-08272019	Total/NA	Solid	8082A	635383
460-189937-4	WP-PAD04-08272019	Total/NA	Solid	8082A	635383
460-189937-5	WP-PAD05-08272019	Total/NA	Solid	8082A	635383
460-189937-6	WP-PAD06-08272019	Total/NA	Solid	8082A	635383
460-189937-7	WP-PAD07-08272019	Total/NA	Solid	8082A	635383
MB 460-635383/1-A	Method Blank	Total/NA	Solid	8082A	635383
LCS 460-635383/2-A	Lab Control Sample	Total/NA	Solid	8082A	635383
LCSD 460-635383/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	635383
460-189937-1 MS	WP-PAD01-08272019	Total/NA	Solid	8082A	635383
460-189937-1 MSD	WP-PAD01-08272019	Total/NA	Solid	8082A	635383

Analysis Batch: 635463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-8	WP-FB-08272019	Total/NA	Water	8082A	635331
MB 460-635331/1-A	Method Blank	Total/NA	Water	8082A	635331
LCS 460-635331/2-A	Lab Control Sample	Total/NA	Water	8082A	635331
LCSD 460-635331/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	635331

General Chemistry

Analysis Batch: 635294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-189937-1	WP-PAD01-08272019	Total/NA	Solid	Moisture	
460-189937-2	WP-PAD02-08272019	Total/NA	Solid	Moisture	
460-189937-3	WP-PAD03-08272019	Total/NA	Solid	Moisture	
460-189937-4	WP-PAD04-08272019	Total/NA	Solid	Moisture	
460-189937-5	WP-PAD05-08272019	Total/NA	Solid	Moisture	
460-189937-6	WP-PAD06-08272019	Total/NA	Solid	Moisture	
460-189937-7	WP-PAD07-08272019	Total/NA	Solid	Moisture	
460-189940-A-12 DU	Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: WP-PAD01-08272019 — Lab Sample ID: 460-189937-1

Date Collected: 08/27/19 12:50 — **Matrix: Solid**
Date Received: 08/27/19 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	635294	08/27/19 15:26	MMC	TAL EDI

Client Sample ID: WP-PAD01-08272019 — Lab Sample ID: 460-189937-1

Date Collected: 08/27/19 12:50 — **Matrix: Solid**
Date Received: 08/27/19 13:55 — **Percent Solids: 96.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			635378	08/27/19 20:47	GRB	TAL EDI
Total/NA	Analysis	8270D		1	635421	08/28/19 07:11	FAM	TAL EDI
Total/NA	Prep	3546			635383	08/27/19 21:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	635460	08/28/19 08:45	JHP	TAL EDI

Client Sample ID: WP-PAD02-08272019 — Lab Sample ID: 460-189937-2

Date Collected: 08/27/19 12:55 — **Matrix: Solid**
Date Received: 08/27/19 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	635294	08/27/19 15:26	MMC	TAL EDI

Client Sample ID: WP-PAD02-08272019 — Lab Sample ID: 460-189937-2

Date Collected: 08/27/19 12:55 — **Matrix: Solid**
Date Received: 08/27/19 13:55 — **Percent Solids: 96.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			635378	08/27/19 20:47	GRB	TAL EDI
Total/NA	Analysis	8270D		1	635421	08/28/19 07:34	FAM	TAL EDI
Total/NA	Prep	3546			635383	08/27/19 21:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	635460	08/28/19 09:02	JHP	TAL EDI

Client Sample ID: WP-PAD03-08272019 — Lab Sample ID: 460-189937-3

Date Collected: 08/27/19 13:00 — **Matrix: Solid**
Date Received: 08/27/19 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	635294	08/27/19 15:26	MMC	TAL EDI

Client Sample ID: WP-PAD03-08272019 — Lab Sample ID: 460-189937-3

Date Collected: 08/27/19 13:00 — **Matrix: Solid**
Date Received: 08/27/19 13:55 — **Percent Solids: 96.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			635378	08/27/19 20:47	GRB	TAL EDI
Total/NA	Analysis	8270D		1	635421	08/28/19 07:57	FAM	TAL EDI
Total/NA	Prep	3546			635383	08/27/19 21:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	635460	08/28/19 09:20	JHP	TAL EDI

Client Sample ID: WP-PAD04-08272019 — Lab Sample ID: 460-189937-4

Date Collected: 08/27/19 13:05 — **Matrix: Solid**
Date Received: 08/27/19 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	635294	08/27/19 15:26	MMC	TAL EDI

Client Sample ID: WP-PAD04-08272019 — Lab Sample ID: 460-189937-4

Date Collected: 08/27/19 13:05 — **Matrix: Solid**
Date Received: 08/27/19 13:55 — **Percent Solids: 96.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			635378	08/27/19 20:47	GRB	TAL EDI
Total/NA	Analysis	8270D		1	635421	08/28/19 06:48	FAM	TAL EDI
Total/NA	Prep	3546			635383	08/27/19 21:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	635460	08/28/19 09:37	JHP	TAL EDI

Client Sample ID: WP-PAD05-08272019 — Lab Sample ID: 460-189937-5

Date Collected: 08/27/19 13:10 — **Matrix: Solid**
Date Received: 08/27/19 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	635294	08/27/19 15:26	MMC	TAL EDI

Client Sample ID: WP-PAD05-08272019 — Lab Sample ID: 460-189937-5

Date Collected: 08/27/19 13:10 — **Matrix: Solid**
Date Received: 08/27/19 13:55 — **Percent Solids: 96.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			635378	08/27/19 20:47	GRB	TAL EDI
Total/NA	Analysis	8270D		1	635421	08/28/19 08:20	FAM	TAL EDI
Total/NA	Prep	3546			635383	08/27/19 21:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	635460	08/28/19 09:54	JHP	TAL EDI

Client Sample ID: WP-PAD06-08272019 — Lab Sample ID: 460-189937-6

Date Collected: 08/27/19 13:15 — **Matrix: Solid**
Date Received: 08/27/19 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	635294	08/27/19 15:26	MMC	TAL EDI

Client Sample ID: WP-PAD06-08272019 — Lab Sample ID: 460-189937-6

Date Collected: 08/27/19 13:15 — **Matrix: Solid**
Date Received: 08/27/19 13:55 — **Percent Solids: 96.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			635378	08/27/19 20:47	GRB	TAL EDI
Total/NA	Analysis	8270D		1	635421	08/28/19 08:44	FAM	TAL EDI
Total/NA	Prep	3546			635383	08/27/19 21:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	635460	08/28/19 10:31	JHP	TAL EDI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

Client Sample ID: WP-PAD07-08272019

Lab Sample ID: 460-189937-7

Date Collected: 08/27/19 13:20
Matrix: Solid
Date Received: 08/27/19 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	635294	08/27/19 15:26	MMC	TAL EDI

Client Sample ID: WP-PAD07-08272019

Lab Sample ID: 460-189937-7

Date Collected: 08/27/19 13:20
Matrix: Solid
Date Received: 08/27/19 13:55
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			635378	08/27/19 20:47	GRB	TAL EDI
Total/NA	Analysis	8270D		1	635421	08/28/19 09:07	FAM	TAL EDI
Total/NA	Prep	3546			635383	08/27/19 21:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	635460	08/28/19 10:48	JHP	TAL EDI

Client Sample ID: WP-FB-08272019

Lab Sample ID: 460-189937-8

Date Collected: 08/27/19 13:25
Matrix: Water
Date Received: 08/27/19 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			635227	08/27/19 17:43	DXB	TAL EDI
Total/NA	Analysis	8270D		1	635316	08/27/19 21:37	SK	TAL EDI
Total/NA	Prep	3510C			635331	08/27/19 17:11	ATF	TAL EDI
Total/NA	Analysis	8082A		1	635463	08/28/19 09:55	SXG	TAL EDI

Laboratory References:

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

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Hatco - Woodbridge Pond

Job ID: 460-189937-1

Laboratory: Eurofins TestAmerica, Edison

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

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	12028	06-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8082A	3510C	Water	Polychlorinated biphenyls, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

8270D

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHL #
WP-PAD01-08272019	460-189937-1	81	80	89
WP-PAD02-08272019	460-189937-2	78	79	86
WP-PAD03-08272019	460-189937-3	83	82	96
WP-PAD04-08272019	460-189937-4	86	84	97
WP-PAD05-08272019	460-189937-5	78	79	89
WP-PAD06-08272019	460-189937-6	82	82	97
WP-PAD07-08272019	460-189937-7	86	83	92
	MB 460-635378/1-A	83	81	91
	LCS 460-635378/2-A	75	76	87
	LCSD 460-635378/3-A	88	90	96
WP-PAD04-08272019 MS	460-189937-4 MS	82	85	96
WP-PAD04-08272019 MSD	460-189937-4 MSD	92	92	101

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	25-113
FBP = 2-Fluorobiphenyl	29-107
TPHL = Terphenyl-d14 (Surr)	27-123

Column to be used to flag recovery values

FORM II 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHL #
WP-FB-08272019	460-189937-8	81	73	73
	MB 460-635227/1-A	87	77	86
	LCS 460-635227/2-A	75	68	68
	LCSD 460-635227/3-A	74	68	68

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	51-108
FBP = 2-Fluorobiphenyl	45-107
TPHL = Terphenyl-d14 (Surr)	40-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163408.D

Lab ID: LCS 460-635227/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	80.0	79.2	99	63-135	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X272194.d

Lab ID: LCS 460-635378/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	3.33	3.14	94	63-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163409.D

Lab ID: LCSD 460-635227/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Bis(2-ethylhexyl) phthalate	80.0	79.2	99	0	30	63-135	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X272195.d

Lab ID: LCSD 460-635378/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Bis(2-ethylhexyl) phthalate	3.33	3.45	104	9	30	63-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X272204.d

Lab ID: 460-189937-4 MS Client ID: WP-PAD04-08272019 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	3.45	0.018 U	3.63	105	63-125	

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: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X272205.d

Lab ID: 460-189937-4 MSD Client ID: WP-PAD04-08272019 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	3.45	3.74	108	3	30	63-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab File ID: A163407.D Lab Sample ID: MB 460-635227/1-A

Matrix: Water Date Extracted: 08/27/2019 10:37

Instrument ID: CBNAMS16 Date Analyzed: 08/27/2019 19:36

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-635227/2-A	A163408.D	08/27/2019 19:56
	LCSD 460-635227/3-A	A163409.D	08/27/2019 20:20
WP-FB-08272019	460-189937-8	A163412.D	08/27/2019 21:37

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab File ID: X272193.d Lab Sample ID: MB 460-635378/1-A

Matrix: Solid Date Extracted: 08/27/2019 20:47

Instrument ID: CBNAMS5 Date Analyzed: 08/28/2019 05:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-635378/2-A	X272194.d	08/28/2019 05:38
	LCSD 460-635378/3-A	X272195.d	08/28/2019 06:01
WP-PAD04-08272019	460-189937-4	X272197.d	08/28/2019 06:48
WP-PAD01-08272019	460-189937-1	X272198.d	08/28/2019 07:11
WP-PAD02-08272019	460-189937-2	X272199.d	08/28/2019 07:34
WP-PAD03-08272019	460-189937-3	X272200.d	08/28/2019 07:57
WP-PAD05-08272019	460-189937-5	X272201.d	08/28/2019 08:20
WP-PAD06-08272019	460-189937-6	X272202.d	08/28/2019 08:44
WP-PAD07-08272019	460-189937-7	X272203.d	08/28/2019 09:07
WP-PAD04-08272019 MS	460-189937-4 MS	X272204.d	08/28/2019 09:30
WP-PAD04-08272019 MSD	460-189937-4 MSD	X272205.d	08/28/2019 09:53

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab File ID: A1600891.D DFTPP Injection Date: 04/19/2019

Instrument ID: CBNAMS16 DFTPP Injection Time: 13:15

Analysis Batch No.: 603883

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	35.0	
68	Less than 2% of mass 69	0.6	(1.5) 1
69	Mass 69 Relative abundance	38.3	
70	Less than 2% of mass 69	0.2	(0.6) 1
127	10-80% of Base Peak	53.6	
197	Less than 2% of mass 198	0.7	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	24.3	
365	Greater than 1% of mass 198	3.2	
441	present but less than 24% of mass 442	10.9	(15.3) 2
442	Greater than 50% of mass 198	71.1	
443	15-24% of mass 442	13.8	(19.4) 2

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

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 460-603883/2	A1600892.D	04/19/2019	13:27
	STD24 460-603883/3	A1600893.D	04/19/2019	13:57
	STD16 460-603883/4	A1600894.D	04/19/2019	14:18
	STD4 460-603883/5	A1600895.D	04/19/2019	14:39
	STD2 460-603883/6	A1600896.D	04/19/2019	15:00
	STD1 460-603883/7	A1600897.D	04/19/2019	15:21
	STD02 460-603883/8	A1600898.D	04/19/2019	15:42
	STD01 460-603883/9	A1600899.D	04/19/2019	16:03
	ICV 460-603883/17	A1600907.D	04/19/2019	18:52
	ICV 460-603883/18	A1600908.D	04/19/2019	19:13

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab File ID: A163403.D DFTPP Injection Date: 08/27/2019

Instrument ID: CBNAMS16 DFTPP Injection Time: 17:50

Analysis Batch No.: 635316

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	42.1	
68	Less than 2% of mass 69	0.7	(1.6) 1
69	Mass 69 Relative abundance	45.8	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	58.3	
197	Less than 2% of mass 198	0.8	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	21.6	
365	Greater than 1% of mass 198	2.3	
441	present but less than 24% of mass 442	8.1	(15.4) 2
442	Greater than 50% of mass 198	52.7	
443	15-24% of mass 442	10.3	(19.5) 2

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

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 460-635316/2	A163404.D	08/27/2019	18:11
	MB 460-635227/1-A	A163407.D	08/27/2019	19:36
	LCS 460-635227/2-A	A163408.D	08/27/2019	19:56
	LCSD 460-635227/3-A	A163409.D	08/27/2019	20:20
WP-FB-08272019	460-189937-8	A163412.D	08/27/2019	21:37

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab File ID: X272079.d DFTPP Injection Date: 08/24/2019

Instrument ID: CBNAMS5 DFTPP Injection Time: 07:46

Analysis Batch No.: 634654

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	27.7	
68	Less than 2% of mass 69	0.5	(1.8) 1
69	Mass 69 Relative abundance	28.9	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	40.7	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.7	
275	10-60% of Base Peak	32.2	
365	Greater than 1% of mass 198	4.5	
441	present but less than 24% of mass 442	25.4	(15.5) 2
442	Greater than 50% of mass 198	163.7	
443	15-24% of mass 442	31.6	(19.3) 2

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

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 460-634654/2	X272080.d	08/24/2019	08:10
	STD120 460-634654/3	X272081.d	08/24/2019	09:01
	STD80 460-634654/4	X272082.d	08/24/2019	09:24
	STD20 460-634654/5	X272083.d	08/24/2019	09:47
	STD10 460-634654/6	X272084.d	08/24/2019	10:11
	STD5 460-634654/7	X272085.d	08/24/2019	10:34
	STD2 460-634654/8	X272086.d	08/24/2019	10:57
	STD1 460-634654/9	X272087.d	08/24/2019	11:21
	STD05 460-634654/10	X272088.d	08/24/2019	11:44
	ICV 460-634654/11	X272089.d	08/24/2019	12:07

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab File ID: X272190.d DFTPP Injection Date: 08/28/2019

Instrument ID: CBNAMS5 DFTPP Injection Time: 04:09

Analysis Batch No.: 635421

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	27.7	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	27.9	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	40.0	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.7	
275	10-60% of Base Peak	31.2	
365	Greater than 1% of mass 198	4.5	
441	present but less than 24% of mass 442	24.5	(15.8) 2
442	Greater than 50% of mass 198	155.2	
443	15-24% of mass 442	30.4	(19.6) 2

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

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 460-635421/2	X272191.d	08/28/2019	04:22
	MB 460-635378/1-A	X272193.d	08/28/2019	05:15
	LCS 460-635378/2-A	X272194.d	08/28/2019	05:38
	LCSD 460-635378/3-A	X272195.d	08/28/2019	06:01
WP-PAD04-08272019	460-189937-4	X272197.d	08/28/2019	06:48
WP-PAD01-08272019	460-189937-1	X272198.d	08/28/2019	07:11
WP-PAD02-08272019	460-189937-2	X272199.d	08/28/2019	07:34
WP-PAD03-08272019	460-189937-3	X272200.d	08/28/2019	07:57
WP-PAD05-08272019	460-189937-5	X272201.d	08/28/2019	08:20
WP-PAD06-08272019	460-189937-6	X272202.d	08/28/2019	08:44
WP-PAD07-08272019	460-189937-7	X272203.d	08/28/2019	09:07
WP-PAD04-08272019 MS	460-189937-4 MS	X272204.d	08/28/2019	09:30
WP-PAD04-08272019 MSD	460-189937-4 MSD	X272205.d	08/28/2019	09:53

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: ICIS 460-603883/2 Date Analyzed: 04/19/2019 13:27

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A1600892.D Heated Purge: (Y/N) N

Calibration ID: 74542

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		704076	4.10	2667466	5.31	1247638	6.98
UPPER LIMIT		1408152	4.60	5334932	5.81	2495276	7.48
LOWER LIMIT		352038	3.60	1333733	4.81	623819	6.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-603883/17		532910	4.09	2044277	5.31	883388	6.97
ICV 460-603883/18		528449	4.09	2096353	5.31	962682	6.97

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: ICIS 460-603883/2 Date Analyzed: 04/19/2019 13:27

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A1600892.D Heated Purge: (Y/N) N

Calibration ID: 74542

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1780364	8.36	1115956	10.91	1076892	12.66
UPPER LIMIT		3560728	8.86	2231912	11.41	2153784	13.16
LOWER LIMIT		890182	7.86	557978	10.41	538446	12.16
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-603883/17		1503570	8.36	978519	10.91	917929	12.66
ICV 460-603883/18		1663726	8.36	1057770	10.90	1021539	12.65

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: CCVIS 460-635316/2 Date Analyzed: 08/27/2019 18:11

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A163404.D Heated Purge: (Y/N) N

Calibration ID: 74548

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		538615	3.60	2074895	4.87	909307	6.60
UPPER LIMIT		1077230	4.10	4149790	5.37	1818614	7.10
LOWER LIMIT		269308	3.10	1037448	4.37	454654	6.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-635227/1-A		611195	3.60	2476393	4.87	1176477	6.59
LCS 460-635227/2-A		577607	3.60	2299178	4.87	1075862	6.60
LCSD 460-635227/3-A		575871	3.60	2272925	4.87	1051679	6.60
460-189937-8	WP-FB-08272019	597185	3.60	2430260	4.87	1160910	6.60

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: CCVIS 460-635316/2 Date Analyzed: 08/27/2019 18:11

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A163404.D Heated Purge: (Y/N) N

Calibration ID: 74548

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1392554	8.03	925454	10.59	974294	12.24
UPPER LIMIT		2785108	8.53	1850908	11.09	1948588	12.74
LOWER LIMIT		696277	7.53	462727	10.09	487147	11.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-635227/1-A		1711196	8.02	1073511	10.58	1209369	12.24
LCS 460-635227/2-A		1608126	8.02	1052615	10.58	1217891	12.24
LCSD 460-635227/3-A		1582511	8.03	1040898	10.58	1248208	12.24
460-189937-8	WP-FB-08272019	1734128	8.02	1139599	10.58	1374825	12.24

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: ICIS 460-634654/2 Date Analyzed: 08/24/2019 08:10

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X272080.d Heated Purge: (Y/N) N

Calibration ID: 76287

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		27747	4.44	101687	5.65	54966	7.31
UPPER LIMIT		55494	4.94	203374	6.15	109932	7.81
LOWER LIMIT		13874	3.94	50844	5.15	27483	6.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-634654/11		27701	4.45	98981	5.65	48393	7.30

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: ICIS 460-634654/2 Date Analyzed: 08/24/2019 08:10

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X272080.d Heated Purge: (Y/N) N

Calibration ID: 76287

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		103570	8.70	106544	11.31	123509	13.19
UPPER LIMIT		207140	9.20	213088	11.81	247018	13.69
LOWER LIMIT		51785	8.20	53272	10.81	61755	12.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-634654/11		99879	8.70	103736	11.31	121914	13.19

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: CCVIS 460-635421/2 Date Analyzed: 08/28/2019 04:22

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X272191.d Heated Purge: (Y/N) N

Calibration ID: 76290

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		24604	4.39	94012	5.59	50045	7.25
UPPER LIMIT		49208	4.89	188024	6.09	100090	7.75
LOWER LIMIT		12302	3.89	47006	5.09	25023	6.75
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-635378/1-A		26781	4.38	100023	5.59	52004	7.25
LCS 460-635378/2-A		31213	4.39	114506	5.59	58984	7.25
LCSD 460-635378/3-A		25993	4.39	94642	5.59	48860	7.25
460-189937-4	WP-PAD04-08272019	31332	4.39	116642	5.59	61460	7.25
460-189937-1	WP-PAD01-08272019	30818	4.39	110134	5.59	56506	7.25
460-189937-2	WP-PAD02-08272019	27964	4.39	101216	5.59	51752	7.25
460-189937-3	WP-PAD03-08272019	30362	4.39	112068	5.59	58100	7.25
460-189937-5	WP-PAD05-08272019	26998	4.39	98955	5.59	51177	7.25
460-189937-6	WP-PAD06-08272019	32786	4.39	120877	5.59	62173	7.25
460-189937-7	WP-PAD07-08272019	25810	4.38	95991	5.59	50766	7.25
460-189937-4 MS	WP-PAD04-08272019 MS	28052	4.39	102142	5.59	53343	7.25
460-189937-4 MSD	WP-PAD04-08272019 MSD	28071	4.39	103570	5.59	54986	7.25

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: CCVIS 460-635421/2 Date Analyzed: 08/28/2019 04:22

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X272191.d Heated Purge: (Y/N) N

Calibration ID: 76290

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		97437	8.65	101055	11.26	119435	13.12
UPPER LIMIT		194874	9.15	202110	11.76	238870	13.62
LOWER LIMIT		48719	8.15	50528	10.76	59718	12.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-635378/1-A		96509	8.65	84745	11.25	102555	13.11
LCS 460-635378/2-A		104512	8.65	92340	11.25	114960	13.11
LCSD 460-635378/3-A		84068	8.65	73031	11.25	91092	13.11
460-189937-4	WP-PAD04-08272019	111388	8.64	93738	11.25	111968	13.11
460-189937-1	WP-PAD01-08272019	101256	8.64	86502	11.25	105233	13.10
460-189937-2	WP-PAD02-08272019	92105	8.64	78199	11.25	96958	13.11
460-189937-3	WP-PAD03-08272019	103217	8.64	86003	11.25	101857	13.10
460-189937-5	WP-PAD05-08272019	94230	8.64	85625	11.25	104648	13.10
460-189937-6	WP-PAD06-08272019	111423	8.64	92589	11.25	109093	13.10
460-189937-7	WP-PAD07-08272019	93821	8.64	85129	11.25	105248	13.10
460-189937-4 MS	WP-PAD04-08272019 MS	93555	8.65	80272	11.25	99196	13.11
460-189937-4 MSD	WP-PAD04-08272019 MSD	100217	8.65	89559	11.25	108024	13.11

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD01-08272019
Lab Sample ID: 460-189937-1
Matrix: Solid
Lab File ID: X272198.d
Analysis Method: 8270D
Date Collected: 08/27/2019 12:50
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0187(g)
Date Analyzed: 08/28/2019 07:11
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	81		25-113
1718-51-0	Terphenyl-d14 (Surr)	89		27-123
321-60-8	2-Fluorobiphenyl	80		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272198.d				
Lims ID:	460-189937-A-1-D				
Client ID:	WP-PAD01-08272019				
Sample Type:	Client				
Inject. Date:	28-Aug-2019 07:11:30	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096743-009				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 11:11:35	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0311				

First Level Reviewer: manlangitf Date: 28-Aug-2019 07:42:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	94	30818	40.0	
$ 26 Nitrobenzene-d5	82	4.904	4.910	-0.006	86	36266	40.3	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	99	110134	40.0	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	97	86504	39.8	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	96	56506	40.0	
* 88 Phenanthrene-d10	188	8.639	8.645	-0.006	98	101256	40.0	
$ 96 Terphenyl-d14	244	10.145	10.151	-0.006	99	101133	44.6	
* 102 Chrysene-d12	240	11.245	11.257	-0.012	99	86502	40.0	
* 109 Perylene-d12	264	13.104	13.121	-0.017	99	105233	40.0	

Reagents:

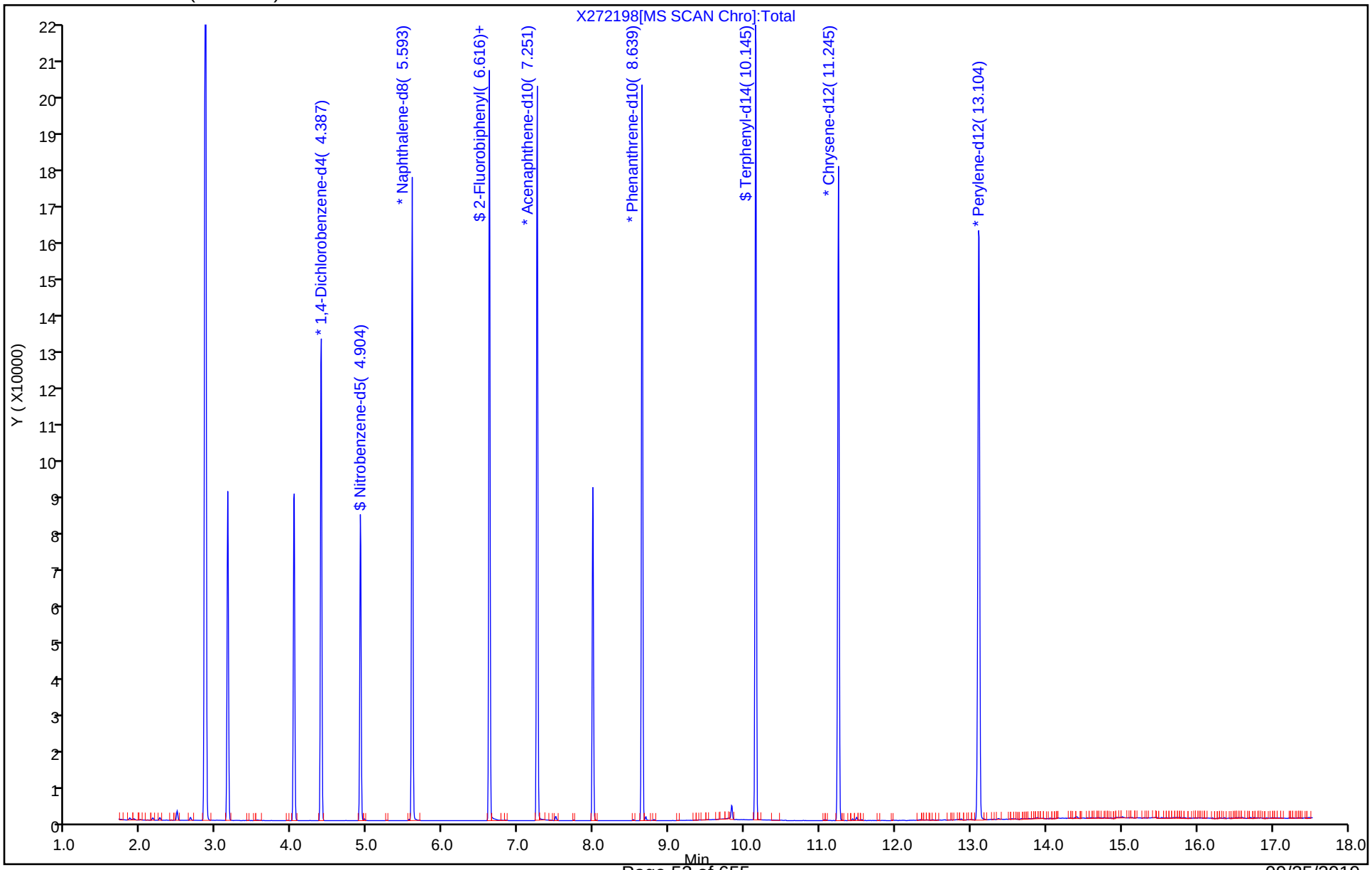
SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:49 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272198.d				
Injection Date:	28-Aug-2019 07:11:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-189937-A-1-D	Lab Sample ID:	460-189937-1	Worklist Smp#:	9
Client ID:	WP-PAD01-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD02-08272019
Lab Sample ID: 460-189937-2
Matrix: Solid
Lab File ID: X272199.d
Analysis Method: 8270D
Date Collected: 08/27/2019 12:55
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0126(g)
Date Analyzed: 08/28/2019 07:34
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	78		25-113
1718-51-0	Terphenyl-d14 (Surr)	86		27-123
321-60-8	2-Fluorobiphenyl	79		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272199.d				
Lims ID:	460-189937-A-2-B				
Client ID:	WP-PAD02-08272019				
Sample Type:	Client				
Inject. Date:	28-Aug-2019 07:34:30	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096743-010				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 11:11:35	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0311				

First Level Reviewer: manlangitf Date: 28-Aug-2019 08:29:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	94	27964	40.0	
$ 26 Nitrobenzene-d5	82	4.904	4.910	-0.006	86	32140	38.9	
* 38 Naphthalene-d8	136	5.592	5.593	-0.001	99	101216	40.0	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	97	78160	39.3	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	96	51752	40.0	
* 88 Phenanthrene-d10	188	8.639	8.645	-0.006	98	92105	40.0	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	87879	42.9	
* 102 Chrysene-d12	240	11.245	11.257	-0.012	99	78199	40.0	
* 109 Perylene-d12	264	13.110	13.121	-0.011	99	96958	40.0	

Reagents:

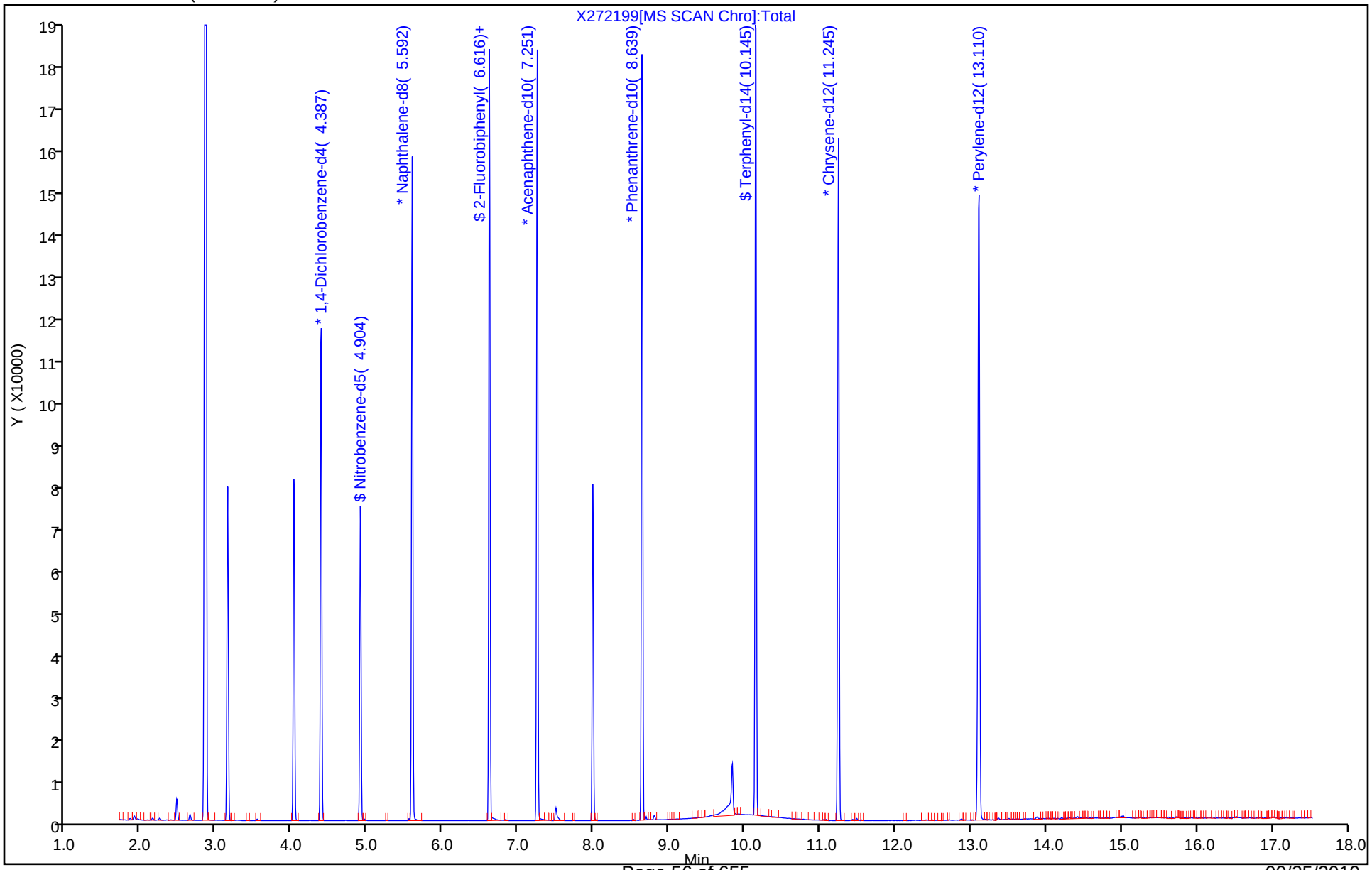
SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272199.d				
Injection Date:	28-Aug-2019 07:34:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-189937-A-2-B	Lab Sample ID:	460-189937-2	Worklist Smp#:	10
Client ID:	WP-PAD02-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD03-08272019
Lab Sample ID: 460-189937-3
Matrix: Solid
Lab File ID: X272200.d
Analysis Method: 8270D
Date Collected: 08/27/2019 13:00
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0128(g)
Date Analyzed: 08/28/2019 07:57
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 4.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	83		25-113
1718-51-0	Terphenyl-d14 (Surr)	96		27-123
321-60-8	2-Fluorobiphenyl	82		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272200.d				
Lims ID:	460-189937-A-3-B				
Client ID:	WP-PAD03-08272019				
Sample Type:	Client				
Inject. Date:	28-Aug-2019 07:57:30	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096743-011				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 11:11:35	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0311				

First Level Reviewer: manlangitf Date: 28-Aug-2019 08:30:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	94	30362	40.0	
$ 26 Nitrobenzene-d5	82	4.904	4.910	-0.006	85	38055	41.6	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	99	112068	40.0	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	97	91704	41.1	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	96	58100	40.0	
* 88 Phenanthrene-d10	188	8.639	8.645	-0.006	98	103217	40.0	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	108078	48.0	
* 102 Chrysene-d12	240	11.245	11.257	-0.012	99	86003	40.0	
* 109 Perylene-d12	264	13.104	13.121	-0.017	99	101857	40.0	

Reagents:

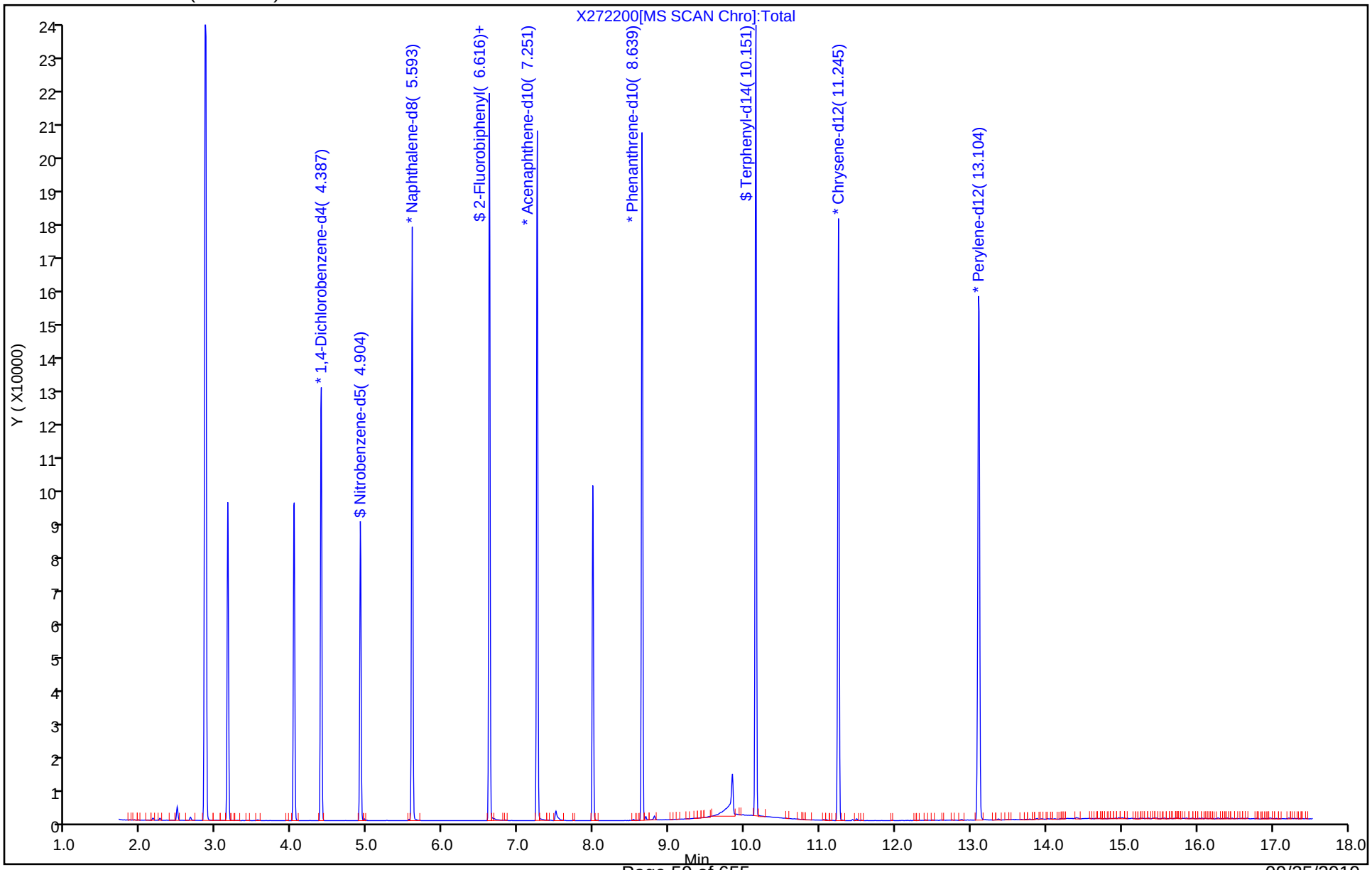
SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:51 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272200.d				
Injection Date:	28-Aug-2019 07:57:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-189937-A-3-B	Lab Sample ID:	460-189937-3	Worklist Smp#:	11
Client ID:	WP-PAD03-08272019				
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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD04-08272019
Lab Sample ID: 460-189937-4
Matrix: Solid
Lab File ID: X272197.d
Analysis Method: 8270D
Date Collected: 08/27/2019 13:05
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0136(g)
Date Analyzed: 08/28/2019 06:48
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	86		25-113
1718-51-0	Terphenyl-d14 (Surr)	97		27-123
321-60-8	2-Fluorobiphenyl	84		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272197.d				
Lims ID:	460-189937-A-4-D				
Client ID:	WP-PAD04-08272019				
Sample Type:	Client				
Inject. Date:	28-Aug-2019 06:48:30	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096743-008				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 11:11:35	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0311				

First Level Reviewer: manlangitf Date: 28-Aug-2019 07:27:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.146	3.134	0.012	96	42886	44.2	
$ 6 Phenol-d5	99	4.028	4.028	0.000	98	51234	44.6	
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	94	31332	40.0	
$ 26 Nitrobenzene-d5	82	4.904	4.910	-0.006	86	40919	43.0	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	99	116642	40.0	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	97	99055	41.9	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	96	61460	40.0	
$ 80 2,4,6-Tribromophenol	330	7.987	7.998	-0.012	88	23695	40.2	
* 88 Phenanthrene-d10	188	8.639	8.645	-0.006	98	111388	40.0	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	119156	48.5	
* 102 Chrysene-d12	240	11.245	11.257	-0.012	99	93738	40.0	
* 109 Perylene-d12	264	13.110	13.121	-0.011	99	111968	40.0	

Reagents:

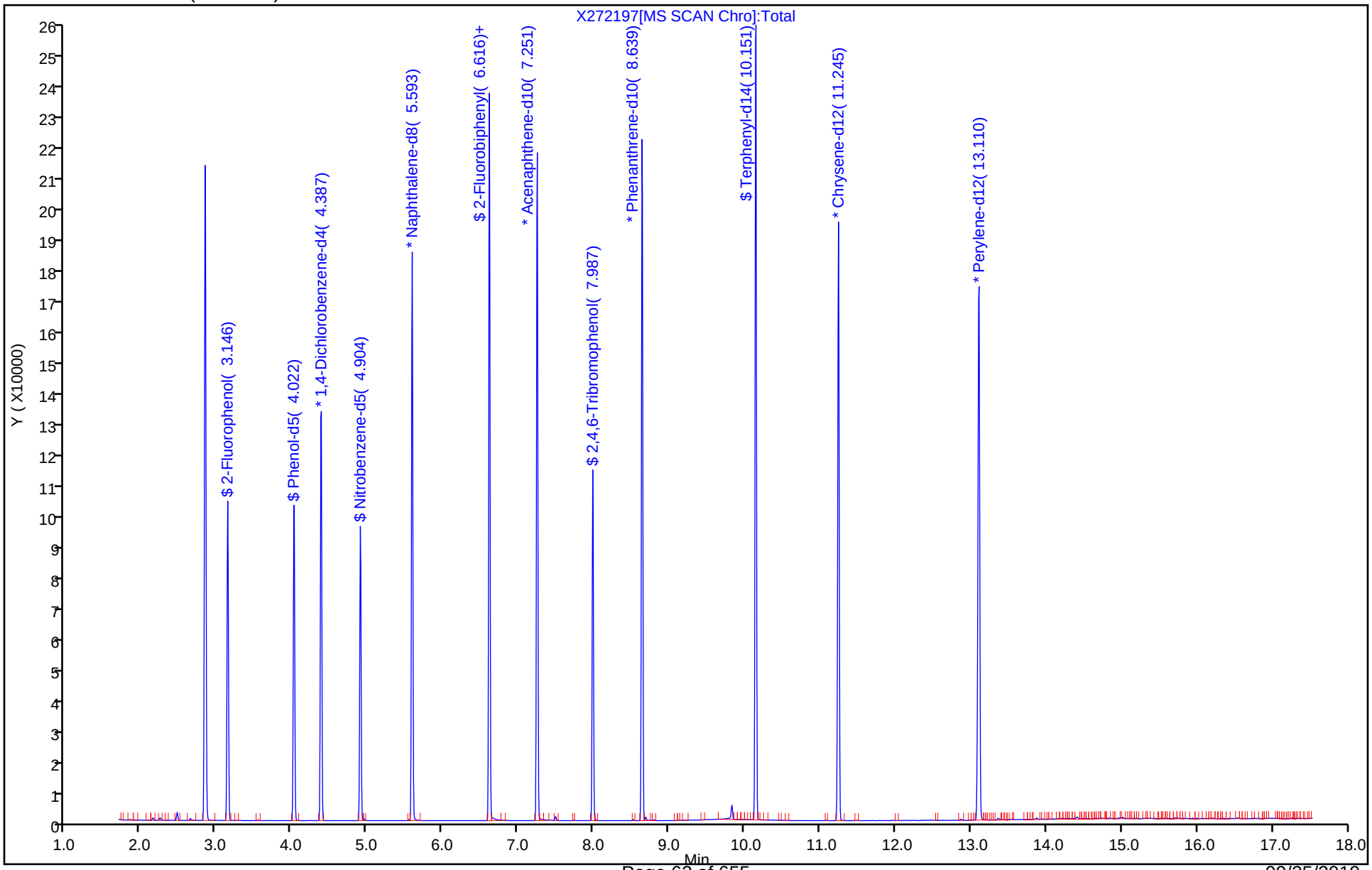
SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:48 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272197.d				
Injection Date:	28-Aug-2019 06:48:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-189937-A-4-D	Lab Sample ID:	460-189937-4	Worklist Smp#:	8
Client ID:	WP-PAD04-08272019				
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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD05-08272019
Lab Sample ID: 460-189937-5
Matrix: Solid
Lab File ID: X272201.d
Analysis Method: 8270D
Date Collected: 08/27/2019 13:10
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0164(g)
Date Analyzed: 08/28/2019 08:20
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	78		25-113
1718-51-0	Terphenyl-d14 (Surr)	89		27-123
321-60-8	2-Fluorobiphenyl	79		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272201.d				
Lims ID:	460-189937-A-5-B				
Client ID:	WP-PAD05-08272019				
Sample Type:	Client				
Inject. Date:	28-Aug-2019 08:20:30	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096743-012				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 11:11:35	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0311				

First Level Reviewer: manlangitf Date: 28-Aug-2019 08:44:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	94	26998	40.0	
$ 26 Nitrobenzene-d5	82	4.904	4.910	-0.006	85	31682	39.2	
* 38 Naphthalene-d8	136	5.592	5.593	-0.001	99	98955	40.0	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	97	77644	39.5	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	96	51177	40.0	
* 88 Phenanthrene-d10	188	8.639	8.645	-0.006	98	94230	40.0	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	99774	44.5	
* 102 Chrysene-d12	240	11.245	11.257	-0.012	99	85625	40.0	
* 109 Perylene-d12	264	13.104	13.121	-0.017	99	104648	40.0	

Reagents:

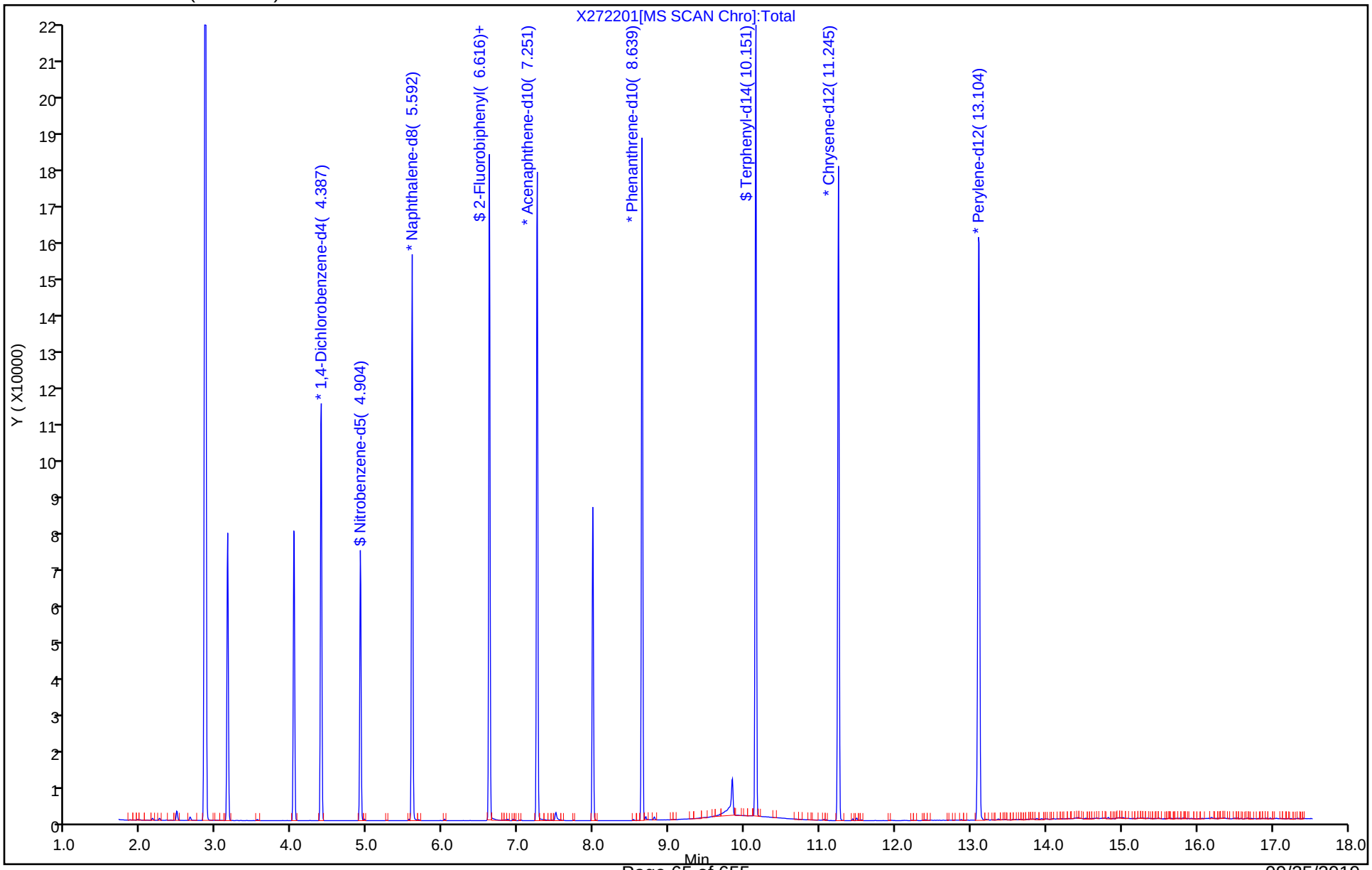
SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:52 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272201.d				
Injection Date:	28-Aug-2019 08:20:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-189937-A-5-B	Lab Sample ID:	460-189937-5	Worklist Smp#:	12
Client ID:	WP-PAD05-08272019				
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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD06-08272019
Lab Sample ID: 460-189937-6
Matrix: Solid
Lab File ID: X272202.d
Analysis Method: 8270D
Date Collected: 08/27/2019 13:15
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0195(g)
Date Analyzed: 08/28/2019 08:44
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	82		25-113
1718-51-0	Terphenyl-d14 (Surr)	97		27-123
321-60-8	2-Fluorobiphenyl	82		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272202.d				
Lims ID:	460-189937-A-6-B				
Client ID:	WP-PAD06-08272019				
Sample Type:	Client				
Inject. Date:	28-Aug-2019 08:44:30	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096743-013				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 11:11:35	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0311				

First Level Reviewer: manlangitf Date: 28-Aug-2019 09:13:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	94	32786	40.0	
$ 26 Nitrobenzene-d5	82	4.904	4.910	-0.006	86	40398	40.9	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	99	120877	40.0	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	97	97594	40.8	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	96	62173	40.0	
* 88 Phenanthrene-d10	188	8.639	8.645	-0.006	98	111423	40.0	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	117681	48.5	
* 102 Chrysene-d12	240	11.245	11.257	-0.012	99	92589	40.0	
* 109 Perylene-d12	264	13.104	13.121	-0.017	99	109093	40.0	

Reagents:

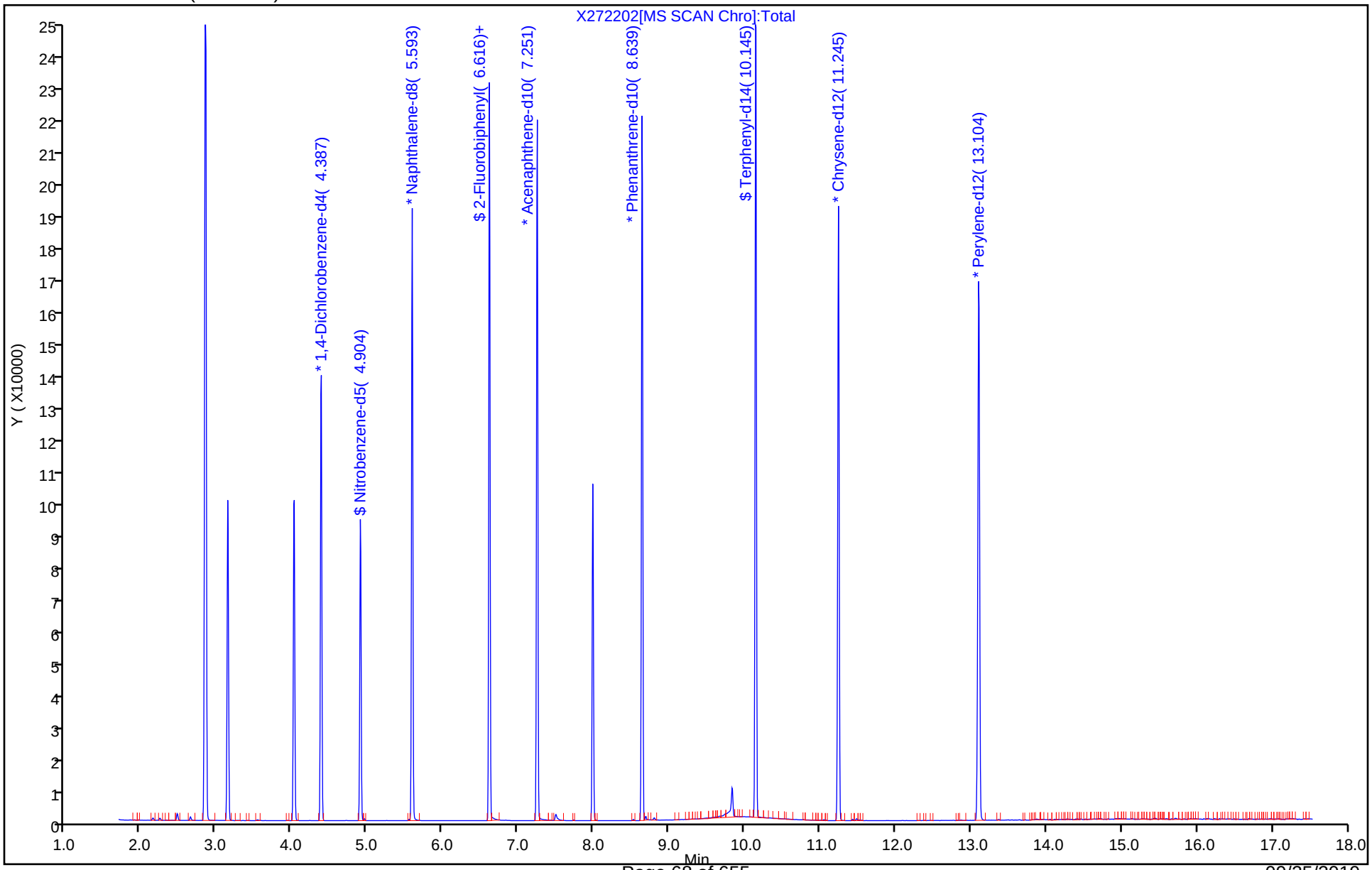
SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:54 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272202.d				
Injection Date:	28-Aug-2019 08:44:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-189937-A-6-B	Lab Sample ID:	460-189937-6	Worklist Smp#:	13
Client ID:	WP-PAD06-08272019				
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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD07-08272019
Lab Sample ID: 460-189937-7
Matrix: Solid
Lab File ID: X272203.d
Analysis Method: 8270D
Date Collected: 08/27/2019 13:20
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0188(g)
Date Analyzed: 08/28/2019 09:07
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	86		25-113
1718-51-0	Terphenyl-d14 (Surr)	92		27-123
321-60-8	2-Fluorobiphenyl	83		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272203.d				
Lims ID:	460-189937-A-7-B				
Client ID:	WP-PAD07-08272019				
Sample Type:	Client				
Inject. Date:	28-Aug-2019 09:07:30	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096743-014				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 11:11:35	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0311				

First Level Reviewer: manlangitf Date: 28-Aug-2019 09:31:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.381	4.387	-0.006	94	25810	40.0	
$ 26 Nitrobenzene-d5	82	4.904	4.910	-0.006	85	33810	43.1	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	99	95991	40.0	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	97	80720	41.4	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	96	50766	40.0	
* 88 Phenanthrene-d10	188	8.639	8.645	-0.006	98	93821	40.0	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	102765	46.1	
* 102 Chrysene-d12	240	11.245	11.257	-0.012	99	85129	40.0	
* 109 Perylene-d12	264	13.104	13.121	-0.017	99	105248	40.0	

Reagents:

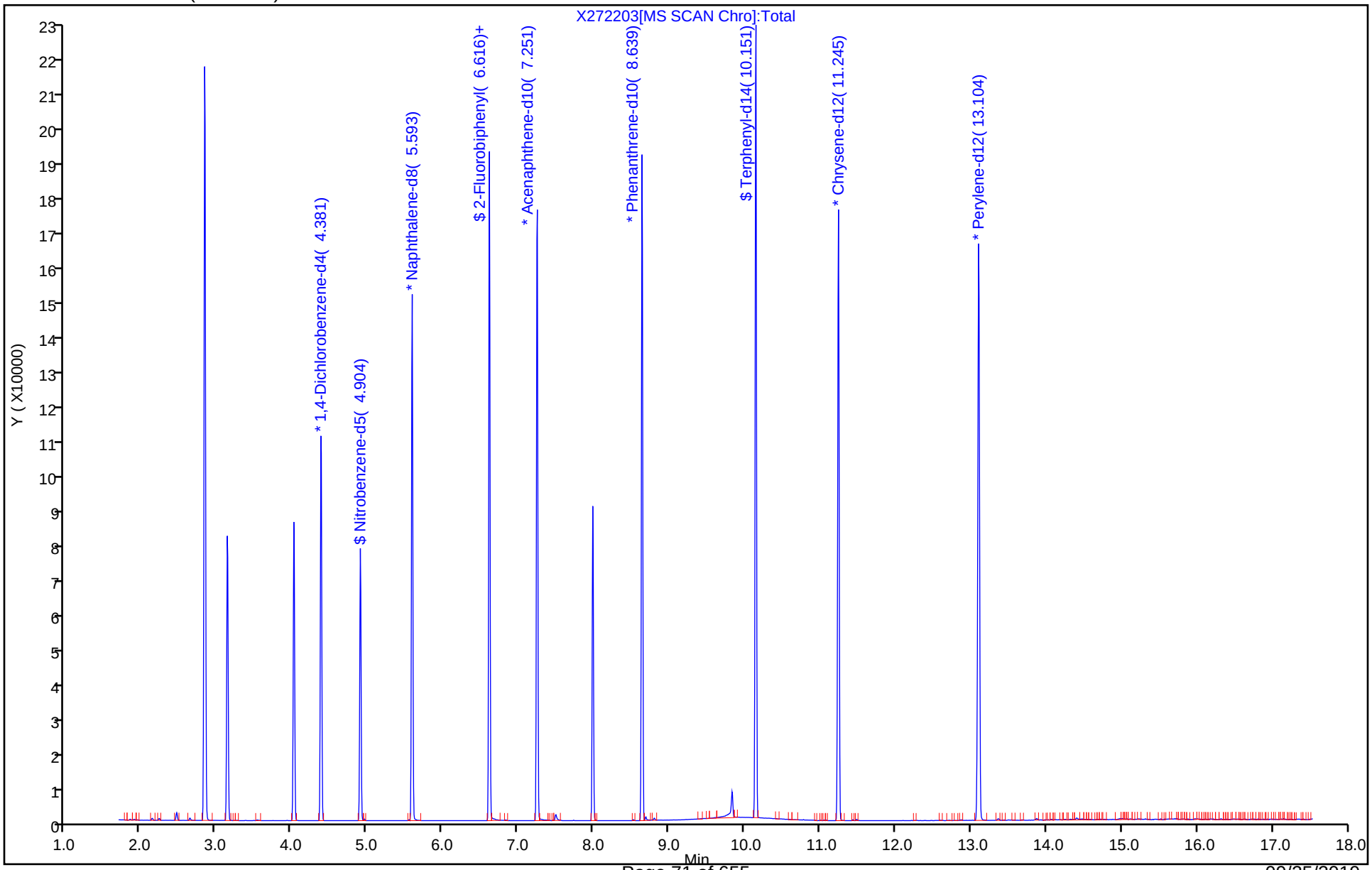
SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:54 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272203.d				
Injection Date:	28-Aug-2019 09:07:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	460-189937-A-7-B	Lab Sample ID:	460-189937-7	Worklist Smp#:	14
Client ID:	WP-PAD07-08272019				
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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-FB-08272019
Lab Sample ID: 460-189937-8
Matrix: Water
Lab File ID: A163412.D
Analysis Method: 8270D
Date Collected: 08/27/2019 13:25
Extract. Method: 3510C
Date Extracted: 08/27/2019 17:43
Sample wt/vol: 250(mL)
Date Analyzed: 08/27/2019 21:37
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 5(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635316
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	81		51-108
1718-51-0	Terphenyl-d14 (Surr)	73		40-148
321-60-8	2-Fluorobiphenyl	73		45-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163412.D				
Lims ID:	460-189937-A-8-A				
Client ID:	WP-FB-08272019				
Sample Type:	Client				
Inject. Date:	27-Aug-2019 21:37:30	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096727-010				
Operator ID:		Instrument ID:	CBNAMS16		
Method:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\8270LVI_16.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 01:30:57	Calib Date:	19-Apr-2019 18:31:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0310				

First Level Reviewer: eisam Date: 27-Aug-2019 22:27:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	3.601	3.601	0.000	97	597185	8.00	
$ 27 Nitrobenzene-d5	82	4.160	4.166	-0.006	88	871857	8.13	
* 38 Naphthalene-d8	136	4.872	4.872	0.000	99	2430260	8.00	
$ 51 2-Fluorobiphenyl	172	5.954	5.949	0.000	98	1587695	7.34	
* 64 Acenaphthene-d10	164	6.595	6.595	0.000	96	1160910	8.00	
* 87 Phenanthrene-d10	188	8.019	8.025	-0.006	99	1734128	8.00	
$ 96 Terphenyl-d14	244	9.572	9.566	0.000	99	1148672	7.34	
* 102 Chrysene-d12	240	10.583	10.589	-0.006	99	1139599	8.00	
* 109 Perylene-d12	264	12.242	12.242	0.000	97	1374825	8.00	

Reagents:

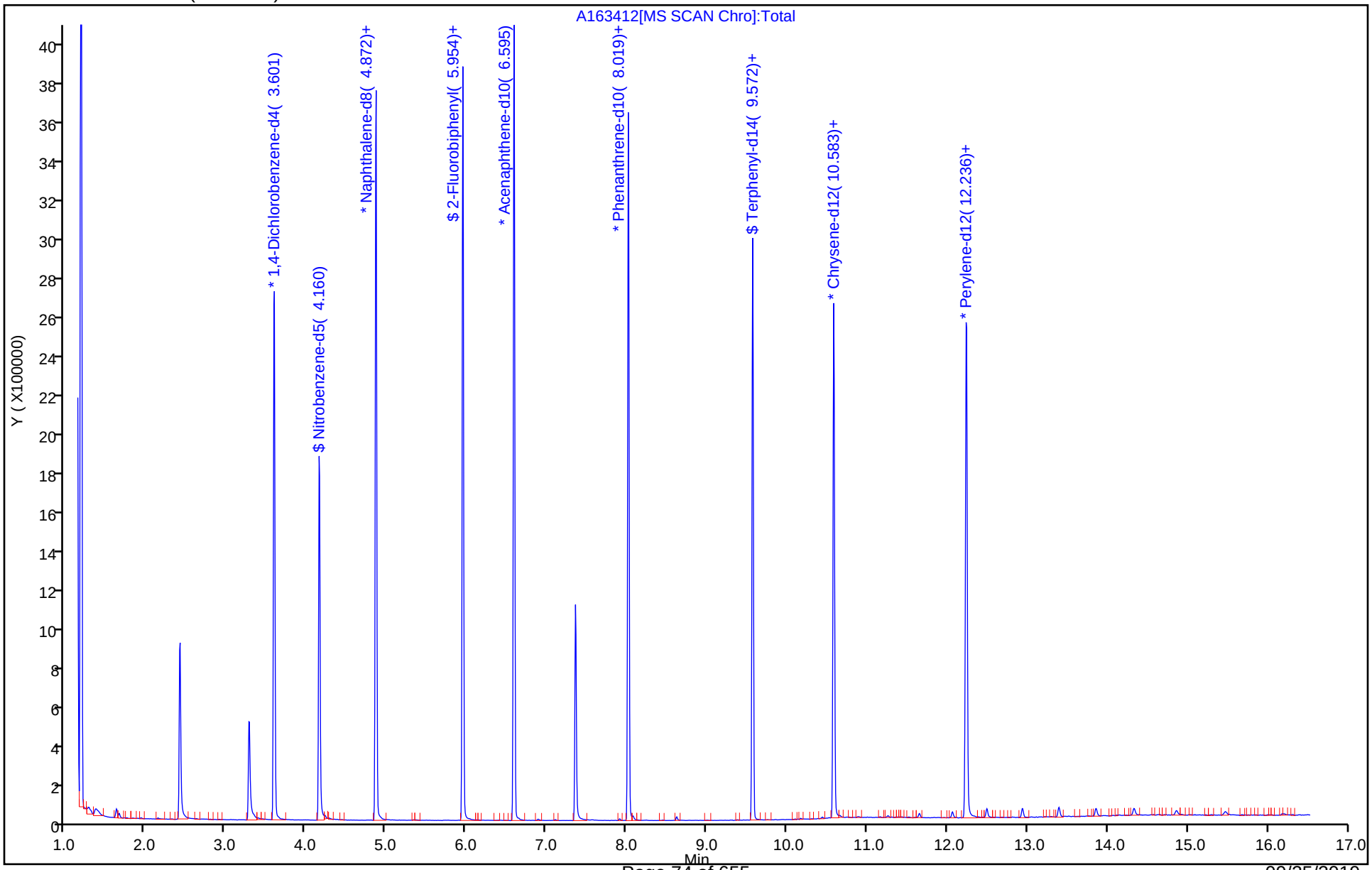
SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 14:33:25 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163412.D				
Injection Date:	27-Aug-2019 21:37:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-189937-A-8-A	Lab Sample ID:	460-189937-8	Worklist Smp#:	10
Client ID:	WP-FB-08272019				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_16	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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-603883/9	A1600899.D
Level 2	STD02 460-603883/8	A1600898.D
Level 3	STD1 460-603883/7	A1600897.D
Level 4	STD2 460-603883/6	A1600896.D
Level 5	STD4 460-603883/5	A1600895.D
Level 6	ICIS 460-603883/2	A1600892.D
Level 7	STD16 460-603883/4	A1600894.D
Level 8	STD24 460-603883/3	A1600893.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 5		B	M1	M2								
1,4-Dioxane	0.4937	0.4713	0.5022 0.4989	0.5650	0.4734	Ave		0.5008				6.8		20.0			
N-Nitrosodimethylamine	0.7382	0.7125	0.6789 0.7268	0.7279	0.6836	Ave		0.7113				3.5		20.0			
Pyridine	1.1027	1.1219	0.9922 1.2218	1.0391	1.0293	Ave		1.0845				7.6		20.0			
Aniline	1.9919	2.0408	1.9077 2.0142	2.0017	1.9987	Ave		1.9925				2.3		20.0			
Phenol	1.7330	1.7389	1.6065 1.7146	1.7611	1.7047	Ave		1.7098			0.8000	3.2		20.0			
Bis(2-chloroethyl)ether	1.2962 1.1920	1.2736 1.2171	1.1847 1.2229	1.2288	1.2060	Ave		1.2276			0.7000	3.2		20.0			
2-Chlorophenol	1.4398	1.4565	1.3907 1.4377	1.4765	1.4609	Ave		1.4437			0.8000	2.1		20.0			
n-Decane	1.1615	1.1426	1.0783 1.2015	1.1401	1.1194	Ave		1.1406				3.6		20.0			
1,3-Dichlorobenzene	1.6108	1.6287	1.5615 1.6595	1.5871	1.6431	Ave		1.6151				2.3		20.0			
1,4-Dichlorobenzene	1.6284	1.6544	1.5931 1.6712	1.6711	1.6090	Ave		1.6379				2.0		20.0			
Benzyl alcohol	0.8097	0.8290	0.6575 0.7956	0.7508	0.7839	Ave		0.7711				8.0		20.0			
1,2-Dichlorobenzene	1.5192	1.5550	1.5382 1.5258	1.5564	1.5143	Ave		1.5348				1.2		20.0			
2,2'-oxybis[1-chloropropane]	1.3545	1.3394	1.3289 1.3221	1.3763	1.3437	Ave		1.3441			0.0100	1.4		20.0			
2-Methylphenol	1.2011	1.1921	1.1859 1.2188	1.2144	1.1974	Ave		1.2016			0.7000	1.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

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 5		B	M1	M2								
N-Methylaniline	1.6891 1.8760	1.8995 1.9525	1.8124 1.9521	1.9309	1.9232	Ave		1.8795				4.8		20.0			
Acetophenone	 1.8819	 1.9414	1.9101 1.8620	2.0316	1.9469	Ave		1.9290			0.0100	3.1		20.0			
N-Nitrosodi-n-propylamine	0.7728 0.8719	0.8493 0.8978	0.8783 0.8562	0.9083	0.9080	Ave		0.8678			0.5000	5.1		20.0			
3 & 4 Methylphenol	 1.2667	 1.2902	1.2670 1.2598	1.3515	1.3101	Ave		1.2909				2.7		20.0			
4-Methylphenol	 1.2344	 1.2550	1.1859 1.2434	1.2922	1.2617	Ave		1.2454			0.6000	2.8		20.0			
Hexachloroethane	0.5847 0.5850	0.5143 0.5957	0.5737 0.5949	0.6161	0.5803	Ave		0.5806			0.3000	5.1		20.0			
Nitrobenzene	0.5413 0.6810	0.6132 0.6971	0.6565 0.6708	0.6942	0.6894	Ave		0.6554			0.2000	8.2		20.0			
n,n'-Dimethylaniline	2.1754 2.0559	2.1298 2.1311	2.0433 2.1291	2.1024	2.1087	Ave		2.1095				2.0		20.0			
Isophorone	 0.6076	0.5212 0.6097	0.5878 0.5945	0.6099	0.6096	Ave		0.5915			0.4000	5.4		20.0			
2-Nitrophenol	 0.1926	 0.1949	0.1684 0.1893	0.1858	0.1866	Ave		0.1862			0.1000	5.1		20.0			
2,4-Dimethylphenol	 0.2989	 0.2951	0.2810 0.2960	0.2980	0.2992	Ave		0.2947			0.2000	2.3		20.0			
Bis(2-chloroethoxy)methane	 0.3639	 0.3635	0.3469 0.3629	0.3537	0.3596	Ave		0.3584			0.3000	1.9		20.0			
Benzoic acid	 0.1760	 0.2035	0.0715 0.2058	0.1171	0.1432	Lin2	-0.136	0.1971			0.0100				0.9910		0.9900
2,4-Dichlorophenol	 0.2886	 0.2854	0.2721 0.2862	0.2820	0.2835	Ave		0.2830			0.2000	2.0		20.0			
1,2,4-Trichlorobenzene	0.2930 0.3167	0.3012 0.3134	0.2966 0.3142	0.3190	0.3152	Ave		0.3087				3.3		20.0			
Naphthalene	 1.0610	 1.0636	1.0040 1.0692	1.0459	1.0437	Ave		1.0479			0.7000	2.3		20.0			
4-Chloroaniline	 0.4159	 0.4218	0.3936 0.4114	0.4173	0.4136	Ave		0.4123			0.0100	2.4		20.0			
Hexachlorobutadiene	0.1451 0.1720	0.1574 0.1729	0.1559 0.1723	0.1700	0.1693	Ave		0.1644			0.0100	6.3		20.0			
4-Chloro-3-methylphenol	 0.2814	 0.2814	0.2682 0.2724	0.2829	0.2784	Ave		0.2775			0.2000	2.1		20.0			
2-Methylnaphthalene	 0.6912	0.6488 0.6937	0.6655 0.6800	0.6759	0.6859	Ave		0.6773			0.4000	2.3		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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

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 5		B	M1	M2								
1-Methylnaphthalene	0.6397	0.6001 0.6340	0.6235 0.6375	0.6409	0.6372	Ave		0.6304				2.3		20.0			
Hexachlorocyclopentadiene	0.4142	0.4135	0.3032 0.4472	0.3336	0.3828	Ave		0.3824			0.0500	14.2		20.0			
1,2,4,5-Tetrachlorobenzene	0.5817	0.5815	0.5452 0.6059	0.5718	0.5687	Ave		0.5758			0.0100	3.5		20.0			
2-tertbutyl-4-methylphenol	0.4471	0.3635 0.4518	0.4190 0.4462	0.4318	0.4338	Ave		0.4276				7.1		20.0			
2,4,6-Trichlorophenol	0.4006	0.3106 0.3966	0.3595 0.4057	0.3873	0.3895	Ave		0.3785			0.2000	8.8		20.0			
2,4,5-Trichlorophenol	0.4247	0.4164	0.3528 0.4236	0.3955	0.4026	Ave		0.4026			0.2000	6.7		20.0			
1,1'-Biphenyl	1.6996	1.6803	1.5325 1.7307	1.6131	1.6221	Ave		1.6464			0.0100	4.4		20.0			
2-Chloronaphthalene	1.2985	1.2933	1.2325 1.3109	1.2623	1.2693	Ave		1.2778			0.8000	2.3		20.0			
Phenyl ether	0.8360	0.8412	0.7649 0.8589	0.7998	0.8203	Ave		0.8202				4.1		20.0			
2-Nitroaniline	0.3987	0.4085	0.3595 0.4030	0.3897	0.4079	Ave		0.3946			0.0100	4.7		20.0			
1,3-Dimethylnaphthalene	1.0283	1.0272	0.9186 1.0682	0.9606	0.9814	Ave		0.9974				5.4		20.0			
Dimethyl phthalate	1.3015	1.3684	1.3076 1.3650	1.3337	1.3612	Ave		1.3396			0.0100	2.2		20.0			
Coumarin	0.1953	0.2110	0.2003 0.2053	0.2030	0.2085	Ave		0.2039				2.8		20.0			
2,6-Dinitrotoluene	0.2936	0.2207 0.3022	0.2655 0.3008	0.2995	0.3071	Ave		0.2842			0.2000	11.0		20.0			
Acenaphthylene	1.9761	1.9922	1.8383 2.0308	1.9153	1.9420	Ave		1.9491			0.9000	3.5		20.0			
3-Nitroaniline	0.3164	0.3266	0.2872 0.3125	0.3171	0.3377	Ave		0.3162			0.0100	5.3		20.0			
Acenaphthene	1.1702	1.1694	1.1475 1.1675	1.1933	1.1813	Ave		1.1715			0.9000	1.3		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.0365	1.0449	0.9380 1.0630	0.9848	1.0006	Ave		1.0113				4.6		20.0			
2,4-Dinitrophenol	0.1426	0.1701	0.0590 0.1723	0.0930	0.1162	Qua	-0.276	0.1559	0.0004916		0.0100				0.9980		0.9900
4-Nitrophenol	0.2233	0.2466	0.2106 0.2399	0.2309	0.2386	Ave		0.2316			0.0100	5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

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 5		B	M1	M2								
2,4-Dinitrotoluene	0.3769	0.2636 0.3979	0.3553 0.3942	0.3957	0.3979	Ave		0.3688			0.2000	13.3		20.0			
Dibenzofuran	1.7231	1.7245	1.6446 1.7239	1.6941	1.7401	Ave		1.7084			0.8000	2.0		20.0			
2,3,4,6-Tetrachlorophenol	0.2904	0.2934	0.2614 0.2931	0.2868	0.2968	Ave		0.2870			0.0100	4.5		20.0			
Diethyl phthalate	1.2696	1.3535	1.2363 1.3432	1.3431	1.5326	Ave		1.3464			0.0100	7.6		20.0			
Fluorene	1.3156	1.3574	1.2134 1.3599	1.3173	1.3038	Ave		1.3112			0.9000	4.1		20.0			
4-Chlorophenyl phenyl ether	0.6132	0.6147	0.5861 0.5970	0.6159	0.6072	Ave		0.6057			0.4000	2.0		20.0			
4-Nitroaniline	0.2838	0.3091	0.2846 0.3005	0.3065	0.3105	Ave		0.2992			0.0100	4.0		20.0			
4,6-Dinitro-2-methylphenol	0.1223	0.1388	0.0806 0.1497	0.0996	0.1137	Lin2	-0.126	0.1380			0.0100				0.9920		0.9900
N-Nitrosodiphenylamine	0.6389	0.6067	0.5844 0.6359	0.6054	0.6032	Ave		0.6124			0.0100	3.4		20.0			
1,2-Diphenylhydrazine	0.8700	0.8501	0.7564 0.9319	0.7893	0.8027	Ave		0.8334				7.6		20.0			
4-Bromophenyl phenyl ether	0.2228	0.2149	0.1972 0.2137	0.2077	0.2078	Ave		0.2107			0.1000	4.1		20.0			
Hexachlorobenzene	0.2244 0.2295	0.2181 0.2262	0.2012 0.2275	0.2188	0.2180	Ave		0.2205			0.1000	4.1		20.0			
Pentachlorophenol	0.1310	0.1365	0.0922 0.1398	0.1055	0.1199	Ave		0.1208			0.0500	15.5		20.0			
Pentachloronitrobenzene	0.1008	0.1036	0.0757 0.1020	0.0919	0.1001	Ave		0.0957			0.0100	11.1		20.0			
n-Octadecane	0.4886	0.4620	0.3998 0.4742	0.4264	0.4389	Ave		0.4483				7.3		20.0			
Phenanthrene	1.1606	1.1680	1.0905 1.1753	1.1572	1.1192	Ave		1.1451			0.7000	2.9		20.0			
Anthracene	1.2024	1.2146	1.0751 1.2178	1.1586	1.1598	Ave		1.1714			0.7000	4.6		20.0			
Carbazole	0.9961	1.0463	0.9506 1.0417	1.0107	1.0064	Ave		1.0086			0.0100	3.4		20.0			
Di-n-butyl phthalate	1.2163	1.3269	0.9672 1.3175	1.1132	1.1833	Ave		1.1874			0.0100	11.4		20.0			
Fluoranthene	1.0530	1.1164	0.9646 1.1081	1.0366	1.0413	Ave		1.0534			0.6000	5.2		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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

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 5		B	M1	M2								
Benzidine	0.6292	0.7398	0.5099 0.7290	0.5498	0.6216	Ave		0.6299				14.7		20.0			
Pyrene	1.6831	1.5256	1.5752 1.5626	1.6359	1.6356	Ave		1.6030			0.6000	3.6		20.0			
Bisphenol-A	0.6336	0.6687	0.5174 0.7205	0.6016	0.6305	Ave		0.6287				10.8		20.0			
Butyl benzyl phthalate	0.7245	0.7216	0.5417 0.7129	0.6572	0.7019	Ave		0.6766			0.0100	10.4		20.0			
2,3,7,8-TCDD	0.2043					Ave		0.2043						20.0			
Carbamazepine	0.6160	0.7143	0.4700 0.7371	0.5685	0.6305	Ave		0.6227				15.7		20.0			
3,3'-Dichlorobenzidine	0.4949	0.3356 0.5243	0.3948 0.5366	0.4479	0.4929	Ave		0.4610			0.0100	15.9		20.0			
Benzo[a]anthracene	1.4250 1.3664	1.3572 1.3288	1.2913 1.3172	1.3270	1.3643	Ave		1.3471			0.8000	3.0		20.0			
Chrysene	1.2402	1.1873 1.2462	1.1886 1.2245	1.2040	1.2546	Ave		1.2208			0.7000	2.3		20.0			
Bis(2-ethylhexyl) phthalate	0.9615	0.6422 1.0010	0.7764 1.0228	0.8700	0.9460	Ave		0.8886			0.0100	15.4		20.0			
Di-n-octyl phthalate	1.7345	1.6546	1.5088 1.5434	1.6962	1.7756	Ave		1.6522			0.0100	6.4		20.0			
Benzo[b]fluoranthene	1.1569 1.2270	1.0629 1.2313	1.1835 1.2665	1.3014	1.2631	Ave		1.2116			0.7000	6.3		20.0			
Benzo[k]fluoranthene	1.1447 1.3478	1.1565 1.2554	1.2450 1.1432	1.2871	1.3317	Ave		1.2389			0.7000	6.7		20.0			
Benzo[a]pyrene	0.9368 1.2101	0.9735 1.2112	1.0667 1.2061	1.1379	1.1748	Ave		1.1146			0.7000	9.9		20.0			
Indeno[1,2,3-cd]pyrene	1.1976 1.3166	1.1621 1.7281	1.1723 1.7493	1.2661	1.2918	Ave		1.3605			0.5000	17.6		20.0			
Dibenz(a,h)anthracene	1.1860 1.3130	1.1624 1.6219	1.1625 1.6234	1.2301	1.3068	Ave		1.3258			0.4000	14.5		20.0			
Benzo[g,h,i]perylene	1.2966	1.7649	1.2233 1.7384	1.2749	1.3297	Ave		1.4380			0.5000	17.1		20.0			
2-Fluorophenol (Surr)	1.3414	1.3618 1.3905	1.2312 1.3917	1.3079	1.2690	Ave		1.3276				4.6		20.0			
Phenol-d5 (Surr)	1.5139	1.5772 1.6168	1.4504 1.5799	1.5229	1.4655	Ave		1.5324				4.0		20.0			
Nitrobenzene-d5 (Surr)	0.3560 0.3516	0.3648 0.3654	0.3286 0.3634	0.3459	0.3469	Ave		0.3528				3.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

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 5		B	M1	M2								
2-Fluorobiphenyl	1.6171 1.5092	1.4617 1.5415	1.3933 1.5701	1.4302	1.4021	Ave		1.4907				5.5		20.0			
2,4,6-Tribromophenol (Surr)	 0.1572	0.1370 0.1683	0.1492 0.1688	0.1507	0.1524	Ave		0.1548				7.2		20.0			
Terphenyl-d14 (Surr)	1.1214 1.1262	1.0851 1.1057	1.0631 1.0986	1.1043	1.0890	Ave		1.0992				1.8		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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-603883/9	A1600899.D
Level 2	STD02 460-603883/8	A1600898.D
Level 3	STD1 460-603883/7	A1600897.D
Level 4	STD2 460-603883/6	A1600896.D
Level 5	STD4 460-603883/5	A1600895.D
Level 6	ICIS 460-603883/2	A1600892.D
Level 7	STD16 460-603883/4	A1600894.D
Level 8	STD24 460-603883/3	A1600893.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 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	434533	420535	31122 811638	70105	116570	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	649712	635732	42073 1182302	90317	168354	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCBd 4	Ave	1940907	2002006	122979 3975336	257836	506949	20.0	32.0	2.00 48.0	4.00	8.00
Aniline	DCBd 4	Ave	1753105	1820917	118220 3276633	248354	492197	10.0	16.0	1.00 24.0	2.00	4.00
Phenol	DCBd 4	Ave	1525211	1551582	99555 2789379	218502	419805	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	8510 1049066	15815 1085957	73420 1989375	152458	296992	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	1267167	1299566	86181 2338840	183193	359770	10.0	16.0	1.00 24.0	2.00	4.00
n-Decane	DCBd 4	Ave	1022249	1019486	66822 1954628	141452	275676	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCBd 4	Ave	1417615	1453219	96769 2699629	196916	404637	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	1433177	1476201	98726 2718660	207332	396226	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCBd 4	Ave	712609	739677	40745 1294348	93154	193056	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	1337084	1387456	95325 2482229	193107	372919	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	1192075	1195094	82351 2150864	170754	330901	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	1057096	1063673	73491 1982717	150673	294876	10.0	16.0	1.00 24.0	2.00	4.00
N-Methylaniline	DCBd 4	Ave	11090 1651095	23588 1742197	112319 3175664	239573	473624	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Acetophenone	DCBd 4	Ave	1656230	1732240	118372 3029109	252060	479460	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	5074 767326	10547 801090	54430 1392903	112688	223607	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
3 & 4 Methylphenol	DCBd 4	Ave	1114860	1151217	78515 2049427	167687	322622	10.0	16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCBd 4	Ave	1086430	1119843	73489 2022787	160321	310709	10.0	16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	3839 514876	6386 531558	35550 967733	76438	142914	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene	DCBd 4	Ave	3554 599321	7615 621976	40685 1091245	86125	169763	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCBd 4	Ave	14283 1809408	26448 1901549	126623 3463537	260843	519304	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	2025797	26465 2110387	146706 3634723	303975	593582	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	642216	674523	42017 1157429	92615	181656	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	996668	1021419	70143 1810080	148519	291301	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	1213334	1258261	86590 2219049	176266	350142	10.0	16.0	1.00 24.0	2.00	4.00
Benzoic acid	NPT	Lin2	587004	704520	17855 1258205	58384	139386	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	962241	987930	67904 1749830	140559	276012	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	7807 1056109	15292 1084838	74028 1920936	159007	306950	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	3537890	3681754	250584 6537357	521300	1016207	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	1386839	1460208	98231 2515709	207980	402681	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	3865 573580	7990 598646	38904 1053598	84728	164862	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Chloro-3-methylphenol	NPT	Ave	938326	974117	66929 1665404	141004	271119	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	2304687	32943 2401227	166105 4158041	336856	667891	10.0	0.200 16.0	1.00 24.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	2133047	30469 2194641	155617 3897902	319438	620421	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	646019	682012	37461 1246645	81323	179399	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	907266	959084	67363 1689053	139387	266522	10.0	16.0	1.00 24.0	2.00	4.00
2-tertbutyl-4-methylphenol	NPT	Ave	1490621	18460 1563899	104579 2728510	215221	422361	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	624786	7828 654150	44417 1130941	94417	182508	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	662406	686735	43598 1180938	96409	188684	10.0	16.0	1.00 24.0	2.00	4.00
1,1'-Biphenyl	ANT	Ave	2650549	2771329	189368 4824386	393206	760112	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	2025082	2133065	152290 3654295	307705	594786	10.0	16.0	1.00 24.0	2.00	4.00
Phenyl ether	ANT	Ave	1303799	1387471	94520 2394136	194964	384415	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	621791	673771	44425 1123474	94992	191159	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dimethylnaphthalene	ANT	Ave	1603705	1694221	113510 2977588	234154	459917	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	2029693	2256956	161570 3804943	325097	637892	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	651091	730237	49994 1255569	101160	202973	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Ave	457846	5562 498374	32809 838443	73011	143905	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	3081881	3285798	227154 5661034	466880	910064	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	493430	538674	35490 870988	77296	158247	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	1825004	1928702	141784 3254418	290888	553565	10.0	16.0	1.00 24.0	2.00	4.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1616399	1723440	115909 2963128	240063	468883	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Qua	444693	561253	14588 960703	45338	108892	20.0	32.0	2.00 48.0	4.00	8.00
4-Nitrophenol	ANT	Ave	696359	813357	52037 1337636	112567	223581	20.0	32.0	2.00 48.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Ave	587717	6643 656286	43899 1098911	96461	186476	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenzofuran	ANT	Ave	2687248	2844305	203208 4805387	412961	815411	10.0	16.0	1.00 24.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	452900	483834	32298 817111	69910	139084	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Diethyl phthalate	ANT	Ave	1980027	2232312	152762 3744131	327388	718206	10.0	16.0	1.00 24.0	2.00	4.00
Fluorene	ANT	Ave	2051776	2238787	149938 3790904	321099	610983	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	956347	1013802	72419 1664165	150122	284551	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	442577	509843	35171 837779	74725	145506	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	544475	690880	31196 1225051	74345	165020	20.0	32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	1421878	1510183	113049 2601312	225827	437560	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	1936045	2115914	146315 3812165	294438	582316	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	495877	534809	38145 874119	77471	150731	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	4544 510759	8675 563009	38913 930580	81626	158138	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Pentachlorophenol	PHN	Ave	582876	679563	35684 1143734	78738	174006	20.0	32.0	2.00 48.0	4.00	8.00
Pentachloronitrobenzene	PHN	Ave	224389	257814	14650 417105	34281	72622	10.0	16.0	1.00 24.0	2.00	4.00
n-Octadecane	PHN	Ave	1087369	1149900	77340 1939999	159076	318369	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	2582815	2907066	210943 4808092	431678	811893	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	2675891	3023216	207963 4981835	432210	841363	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	2216683	2604158	183885 4261539	377042	730079	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	2706729	3302553	187089 5389907	415267	858385	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	2343507	2778756	186602 4533055	386682	755436	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Ave	1400250	1841352	98638 2982382	205115	450915	10.0	16.0	1.00 24.0	2.00	4.00
Pyrene	CRY	Ave	2347870	2778743	198846 4621162	394963	769052	10.0	16.0	1.00 24.0	2.00	4.00
Bisphenol-A	CRY	Ave	883772	1217914	65315 2130706	145243	296457	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	1010675	1314430	68386 2108258	158667	330031	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,3,7,8-TCDD	CRY	Ave	2850					0.100				
Carbamazepine	CRY	Ave	859247	1301038	59332 2179855	137265	296468	10.0	16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	690301	8304 954926	49843 1586967	108138	231775	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]anthracene	CRY	Ave	17800 1906007	33588 2420372	163008 3895340	320393	641480	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	1730051	29382 2269914	150046 3621197	290700	589911	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1341306	15892 1823236	98008 3024632	210061	444802	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	2334899	3276287	178774 5479176	383437	802083	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	13612 1651687	24932 2438131	140222 4496156	294177	570575	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	13468 1814275	27126 2485864	147509 4058324	290955	601555	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	11022 1628890	22834 2398325	126391 4281768	257224	530692	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	14090 1772271	27257 3421790	138895 6210091	286198	583534	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	13954 1767488	27264 3211600	137737 5763002	278059	590325	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	1745418	3494733	144947 6171091	288188	600680	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	1180585	16911 1240709	76300 2264012	162270	312504	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	1332387	19585 1442626	89881 2570105	188951	360889	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	9485 1172395	18522 1264875	82013 2222268	172381	337812	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	21031 2353696	36835 2542504	172162 4376591	348635	657050	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	245096	3453 277591	18439 470613	36728	71420	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Terphenyl-d14 (Surr)	CRY	Ave	14008 1570921	26853 2013872	134206 3249007	266611	512028	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 603883

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 13:27 Calibration End Date: 04/19/2019 16:03 Calibration ID: 74542

Curve Type Legend:

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600892.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 19-Apr-2019 13:27:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:37:39 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: johnstonm1 Date: 19-Apr-2019 14:03:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.740	1.740	0.000	93	434533	10.0	9.86	
2 N-Nitrosodimethylamine	74	1.916	1.916	0.000	85	649712	10.0	10.4	
3 Pyridine	79	1.946	1.946	0.000	94	1940907	20.0	20.3	
$ 4 2-Fluorophenol	112	2.910	2.910	0.000	96	1180585	10.0	10.1	
8 Aniline	93	3.787	3.787	0.000	90	1753105	10.0	10.0	
$ 6 Phenol-d5	99	3.787	3.787	0.000	0	1332387	10.0	9.88	
7 Phenol	94	3.798	3.798	0.000	90	1525211	10.0	10.1	
9 Bis(2-chloroethyl)ether	93	3.846	3.846	0.000	98	1049066	10.0	9.71	
10 Benzonitrile	103	3.863	3.863	0.000	98	2173020	NC	NC	
11 2-Chlorophenol	128	3.910	3.910	0.000	97	1267167	10.0	9.97	
12 n-Decane	43	3.946	3.946	0.000	87	1022249	10.0	10.2	
13 1,3-Dichlorobenzene	146	4.046	4.046	0.000	95	1417615	10.0	9.97	
* 14 1,4-Dichlorobenzene-d4	152	4.098	4.098	0.000	96	704076	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.110	4.110	0.000	94	1433177	10.0	9.94	
16 Benzyl alcohol	108	4.245	4.245	0.000	92	712609	10.0	10.5	
17 1,2-Dichlorobenzene	146	4.257	4.257	0.000	95	1337084	10.0	9.90	
19 2,2'-oxybis[1-chloropropan	45	4.363	4.363	0.000	94	1192075	10.0	10.1	
18 2-Methylphenol	108	4.369	4.369	0.000	87	1057096	10.0	10.0	
20 N-Methylaniline	106	4.481	4.481	0.000	99	1651095	10.0	9.98	
21 Acetophenone	105	4.487	4.487	0.000	93	1656230	10.0	9.76	
22 N-Nitrosodi-n-propylamine	70	4.493	4.493	0.000	88	767326	10.0	10.0	
23 3 & 4 Methylphenol	108	4.522	4.522	0.000	97	1114860	10.0	9.81	
24 4-Methylphenol	108	4.522	4.522	0.000	97	1086430	10.0	9.91	
25 Hexachloroethane	117	4.581	4.581	0.000	94	514876	10.0	10.1	
$ 27 Nitrobenzene-d5	82	4.628	4.628	0.000	88	1172395	10.0	9.97	
29 n,n'-Dimethylaniline	120	4.651	4.651	0.000	93	1809408	10.0	9.75	
28 Nitrobenzene	123	4.651	4.651	0.000	94	599321	10.0	10.4	
30 Isophorone	82	4.881	4.881	0.000	99	2025797	10.0	10.3	
32 2-Nitrophenol	139	4.951	4.951	0.000	91	642216	10.0	10.3	
33 2,4-Dimethylphenol	122	5.022	5.022	0.000	90	996668	10.0	10.1	
34 Bis(2-chloroethoxy)methane	93	5.093	5.093	0.000	97	1213334	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.151	5.151	0.000	89	587004	10.0	9.62	
36 2,4-Dichlorophenol	162	5.198	5.198	0.000	96	962241	10.0	10.2	
37 1,2,4-Trichlorobenzene	180	5.263	5.263	0.000	94	1056109	10.0	10.3	
* 38 Naphthalene-d8	136	5.310	5.310	0.000	99	2667466	8.00	8.00	
39 Naphthalene	128	5.334	5.334	0.000	99	3537890	10.0	10.1	
40 4-Chloroaniline	127	5.398	5.398	0.000	97	1386839	10.0	10.1	
41 Hexachlorobutadiene	225	5.463	5.463	0.000	93	573580	10.0	10.5	
43 4-Chloro-3-methylphenol	107	5.887	5.887	0.000	96	938326	10.0	10.1	
44 2-Methylnaphthalene	142	5.992	5.992	0.000	85	2304687	10.0	10.2	a
45 1-Methylnaphthalene	142	6.087	6.087	0.000	92	2133047	10.0	10.1	a
46 Hexachlorocyclopentadiene	237	6.151	6.151	0.000	95	646019	10.0	10.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.157	6.157	0.000	95	907266	10.0	10.1	
48 2-tertbutyl-4-methylphenol	149	6.210	6.210	0.000	90	1490621	10.0	10.5	
49 2,4,6-Trichlorophenol	196	6.275	6.275	0.000	89	624786	10.0	10.6	a
50 2,4,5-Trichlorophenol	196	6.316	6.316	0.000	97	662406	10.0	10.5	
$ 51 2-Fluorobiphenyl	172	6.345	6.345	0.000	98	2353696	10.0	10.1	
52 1,1'-Biphenyl	154	6.439	6.439	0.000	95	2650549	10.0	10.3	
53 2-Chloronaphthalene	162	6.451	6.451	0.000	99	2025082	10.0	10.2	
54 Phenyl ether	170	6.534	6.534	0.000	82	1303799	10.0	10.2	
55 2-Nitroaniline	65	6.557	6.557	0.000	97	621791	10.0	10.1	
57 1,3-Dimethylnaphthalene	156	6.657	6.657	0.000	91	1603705	10.0	10.3	
59 Dimethyl phthalate	163	6.739	6.739	0.000	99	2029693	10.0	9.72	
60 Coumarin	146	6.745	6.745	0.000	77	651091	10.0	9.58	
61 2,6-Dinitrotoluene	165	6.787	6.787	0.000	95	457846	10.0	10.3	
62 Acenaphthylene	152	6.839	6.839	0.000	97	3081881	10.0	10.1	
63 3-Nitroaniline	138	6.951	6.951	0.000	97	493430	10.0	10.0	
* 64 Acenaphthene-d10	164	6.975	6.975	0.000	94	1247638	8.00	8.00	
66 Acenaphthene	154	7.004	7.004	0.000	94	1825004	10.0	9.99	
65 3,5-di-tert-butyl-4-hydrox	205	7.010	7.010	0.000	97	1616399	10.0	10.2	
67 2,4-Dinitrophenol	184	7.045	7.045	0.000	94	444693	20.0	18.9	
68 4-Nitrophenol	65	7.157	7.157	0.000	88	696359	20.0	19.3	
69 2,4-Dinitrotoluene	165	7.163	7.163	0.000	91	587717	10.0	10.2	
70 Dibenzofuran	168	7.169	7.169	0.000	96	2687248	10.0	10.1	
72 2,3,4,6-Tetrachlorophenol	232	7.298	7.298	0.000	91	452900	10.0	10.1	
73 Diethyl phthalate	149	7.404	7.404	0.000	98	1980027	10.0	9.43	
75 Fluorene	166	7.486	7.486	0.000	96	2051776	10.0	10.0	
74 4-Chlorophenyl phenyl ethe	204	7.492	7.492	0.000	88	956347	10.0	10.1	
76 4-Nitroaniline	138	7.528	7.528	0.000	86	442577	10.0	9.49	
77 4,6-Dinitro-2-methylphenol	198	7.551	7.551	0.000	84	544475	20.0	18.6	
78 N-Nitrosodiphenylamine	169	7.610	7.610	0.000	71	1421878	10.0	10.4	a
79 1,2-Diphenylhydrazine	77	7.645	7.645	0.000	99	1936045	10.0	10.4	
$ 80 2,4,6-Tribromophenol	330	7.722	7.722	0.000	92	245096	10.0	10.2	
81 4-Bromophenyl phenyl ether	248	7.951	7.951	0.000	84	495877	10.0	10.6	
82 Hexachlorobenzene	284	8.010	8.010	0.000	99	510759	10.0	10.4	
84 Pentachlorophenol	266	8.204	8.204	0.000	90	582876	20.0	21.7	
85 Pentachloronitrobenzene	237	8.210	8.210	0.000	85	224389	10.0	10.5	
86 n-Octadecane	57	8.292	8.292	0.000	91	1087369	10.0	10.9	a
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	1780364	8.00	8.00	
88 Phenanthrene	178	8.386	8.386	0.000	97	2582815	10.0	10.1	
89 Anthracene	178	8.433	8.433	0.000	99	2675891	10.0	10.3	
90 Carbazole	167	8.598	8.598	0.000	96	2216683	10.0	9.88	
91 Di-n-butyl phthalate	149	8.939	8.939	0.000	99	2706729	10.0	10.2	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.504	9.504	0.000	98	2343507	10.0	10.0	
93 Benzidine	184	9.639	9.639	0.000	99	1400250	10.0	9.99	
94 Pyrene	202	9.710	9.710	0.000	98	2347870	10.0	10.5	a
95 Bisphenol-A	213	9.798	9.798	0.000	98	883772	10.0	10.1	M
$ 96 Terphenyl-d14	244	9.869	9.869	0.000	97	1570921	10.0	10.2	
97 Butyl benzyl phthalate	149	10.351	10.351	0.000	96	1010675	10.0	10.7	
98 2,3,7,8-TCDD	320	10.433	10.433	0.000	89	2850	0.1000	0.1000	
99 Carbamazepine	193	10.451	10.451	0.000	92	859247	10.0	9.89	a
100 3,3'-Dichlorobenzidine	252	10.886	10.886	0.000	99	690301	10.0	10.7	
101 Benzo[a]anthracene	228	10.898	10.898	0.000	99	1906007	10.0	10.1	
* 102 Chrysene-d12	240	10.910	10.910	0.000	99	1115956	8.00	8.00	
104 Chrysene	228	10.939	10.939	0.000	99	1730051	10.0	10.2	a
103 Bis(2-ethylhexyl) phthalat	149	10.969	10.969	0.000	85	1341306	10.0	10.8	
105 Di-n-octyl phthalate	149	11.739	11.739	0.000	96	2334899	10.0	10.5	
106 Benzo[b]fluoranthene	252	12.163	12.163	0.000	99	1651687	10.0	10.1	
107 Benzo[k]fluoranthene	252	12.198	12.198	0.000	99	1814275	10.0	10.9	a
108 Benzo[a]pyrene	252	12.580	12.580	0.000	98	1628890	10.0	10.9	a
* 109 Perylene-d12	264	12.657	12.657	0.000	98	1076892	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.092	14.092	0.000	99	1772271	10.0	9.68	a
111 Dibenz(a,h)anthracene	278	14.127	14.127	0.000	97	1767488	10.0	9.90	
112 Benzo[g,h,i]perylene	276	14.462	14.462	0.000	98	1745418	10.0	9.02	a

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

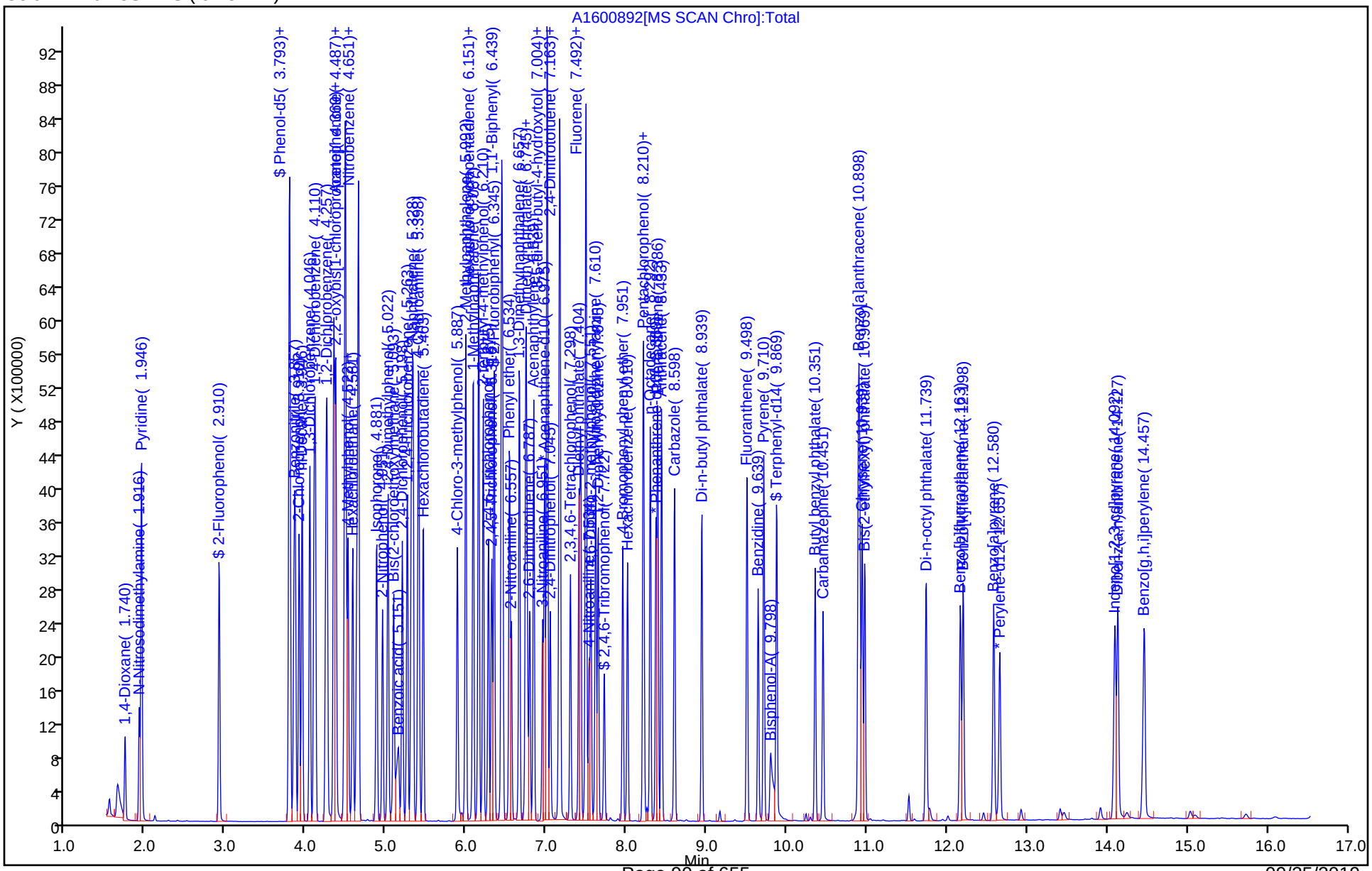
SM_BNAL6_00054 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:37:42 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600892.D				
Injection Date:	19-Apr-2019 13:27:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	icis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600893.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 19-Apr-2019 13:57:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-003
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:37:50 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: johnstonm1 Date: 19-Apr-2019 14:24:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.710	1.740	-0.030	94	811638	24.0	23.9	
2 N-Nitrosodimethylamine	74	1.899	1.916	-0.017	84	1182302	24.0	24.5	
3 Pyridine	79	1.922	1.946	-0.024	94	3975336	48.0	54.1	
$ 4 2-Fluorophenol	112	2.910	2.910	0.000	96	2264012	24.0	25.2	
8 Aniline	93	3.793	3.787	0.005	95	3276633	24.0	24.3	
$ 6 Phenol-d5	99	3.798	3.787	0.011	0	2570105	24.0	24.7	
7 Phenol	94	3.810	3.798	0.012	95	2789379	24.0	24.1	
9 Bis(2-chloroethyl)ether	93	3.851	3.846	0.005	99	1989375	24.0	23.9	
10 Benzonitrile	103	3.869	3.863	0.006	98	4121076	NC	NC	
11 2-Chlorophenol	128	3.916	3.910	0.006	97	2338840	24.0	23.9	
12 n-Decane	43	3.951	3.946	0.005	87	1954628	24.0	25.3	
13 1,3-Dichlorobenzene	146	4.051	4.046	0.006	95	2699629	24.0	24.7	
* 14 1,4-Dichlorobenzene-d4	152	4.098	4.098	0.000	96	542265	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.116	4.110	0.006	94	2718660	24.0	24.5	
16 Benzyl alcohol	108	4.251	4.245	0.006	92	1294348	24.0	24.8	
17 1,2-Dichlorobenzene	146	4.263	4.257	0.006	95	2482229	24.0	23.9	
19 2,2'-oxybis[1-chloropropan	45	4.363	4.363	0.000	89	2150864	24.0	23.6	
18 2-Methylphenol	108	4.381	4.369	0.012	88	1982717	24.0	24.3	
20 N-Methylaniline	106	4.487	4.481	0.006	99	3175664	24.0	24.9	
21 Acetophenone	105	4.498	4.487	0.011	94	3029109	24.0	23.2	
22 N-Nitrosodi-n-propylamine	70	4.504	4.493	0.011	89	1392903	24.0	23.7	
23 3 & 4 Methylphenol	108	4.528	4.522	0.006	97	2049427	24.0	23.4	
24 4-Methylphenol	108	4.528	4.522	0.006	94	2022787	24.0	24.0	
25 Hexachloroethane	117	4.581	4.581	0.000	95	967733	24.0	24.6	
$ 27 Nitrobenzene-d5	82	4.640	4.628	0.012	90	2222268	24.0	24.7	
28 Nitrobenzene	123	4.657	4.651	0.006	94	1091245	24.0	24.6	
29 n,n'-Dimethylaniline	120	4.657	4.651	0.006	94	3463537	24.0	24.2	
30 Isophorone	82	4.892	4.881	0.011	99	3634723	24.0	24.1	
32 2-Nitrophenol	139	4.957	4.951	0.006	91	1157429	24.0	24.4	
33 2,4-Dimethylphenol	122	5.028	5.022	0.006	90	1810080	24.0	24.1	
34 Bis(2-chloroethoxy)methane	93	5.098	5.093	0.006	97	2219049	24.0	24.3	

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	5.187	5.151	0.036	89	1258205	24.0	25.7	Ma
36 2,4-Dichlorophenol	162	5.204	5.198	0.006	96	1749830	24.0	24.3	
37 1,2,4-Trichlorobenzene	180	5.263	5.263	0.000	95	1920936	24.0	24.4	
* 38 Naphthalene-d8	136	5.316	5.310	0.006	98	2038128	8.00	8.00	
39 Naphthalene	128	5.334	5.334	0.000	99	6537357	24.0	24.5	
40 4-Chloroaniline	127	5.404	5.398	0.006	97	2515709	24.0	24.0	
41 Hexachlorobutadiene	225	5.463	5.463	0.000	93	1053598	24.0	25.2	
43 4-Chloro-3-methylphenol	107	5.892	5.887	0.005	96	1665404	24.0	23.6	
44 2-Methylnaphthalene	142	5.992	5.992	0.000	85	4158041	24.0	24.1	
45 1-Methylnaphthalene	142	6.086	6.087	-0.001	93	3897902	24.0	24.3	
46 Hexachlorocyclopentadiene	237	6.151	6.151	0.000	96	1246645	24.0	28.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.157	6.157	0.000	96	1689053	24.0	25.3	
48 2-tertbutyl-4-methylphenol	149	6.216	6.210	0.006	90	2728510	24.0	25.0	
49 2,4,6-Trichlorophenol	196	6.281	6.275	0.006	89	1130941	24.0	25.7	
50 2,4,5-Trichlorophenol	196	6.322	6.316	0.006	97	1180938	24.0	25.3	
$ 51 2-Fluorobiphenyl	172	6.351	6.345	0.006	98	4376591	24.0	25.3	
52 1,1'-Biphenyl	154	6.439	6.439	0.000	95	4824386	24.0	25.2	
53 2-Chloronaphthalene	162	6.457	6.451	0.006	98	3654295	24.0	24.6	
54 Phenyl ether	170	6.539	6.534	0.005	84	2394136	24.0	25.1	
55 2-Nitroaniline	65	6.563	6.557	0.006	97	1123474	24.0	24.5	
57 1,3-Dimethylnaphthalene	156	6.663	6.657	0.006	91	2977588	24.0	25.7	
59 Dimethyl phthalate	163	6.751	6.739	0.012	98	3804943	24.0	24.5	
60 Coumarin	146	6.757	6.745	0.012	79	1255569	24.0	24.2	
61 2,6-Dinitrotoluene	165	6.798	6.787	0.012	95	838443	24.0	25.4	
62 Acenaphthylene	152	6.845	6.839	0.006	98	5661034	24.0	25.0	
63 3-Nitroaniline	138	6.957	6.951	0.006	97	870988	24.0	23.7	
* 64 Acenaphthene-d10	164	6.975	6.975	0.000	95	929178	8.00	8.00	
66 Acenaphthene	154	7.010	7.004	0.006	95	3254418	24.0	23.9	
65 3,5-di-tert-butyl-4-hydrox	205	7.016	7.010	0.006	97	2963128	24.0	25.2	
67 2,4-Dinitrophenol	184	7.057	7.045	0.012	95	960703	48.0	47.7	
68 4-Nitrophenol	65	7.163	7.157	0.006	88	1337636	48.0	49.7	
69 2,4-Dinitrotoluene	165	7.175	7.163	0.012	71	1098911	24.0	25.7	
70 Dibenzofuran	168	7.175	7.169	0.006	94	4805387	24.0	24.2	
72 2,3,4,6-Tetrachlorophenol	232	7.304	7.298	0.006	91	817111	24.0	24.5	
73 Diethyl phthalate	149	7.410	7.404	0.006	98	3744131	24.0	23.9	
75 Fluorene	166	7.492	7.486	0.006	95	3790904	24.0	24.9	
74 4-Chlorophenyl phenyl ethe	204	7.498	7.492	0.006	86	1664165	24.0	23.7	
76 4-Nitroaniline	138	7.545	7.528	0.017	88	837779	24.0	24.1	
77 4,6-Dinitro-2-methylphenol	198	7.563	7.551	0.012	86	1225051	48.0	53.0	
78 N-Nitrosodiphenylamine	169	7.622	7.610	0.012	73	2601312	24.0	24.9	
79 1,2-Diphenylhydrazine	77	7.651	7.645	0.006	99	3812165	24.0	26.8	
$ 80 2,4,6-Tribromophenol	330	7.728	7.722	0.006	93	470613	24.0	26.2	
81 4-Bromophenyl phenyl ether	248	7.957	7.951	0.006	86	874119	24.0	24.3	
82 Hexachlorobenzene	284	8.016	8.010	0.006	99	930580	24.0	24.8	
84 Pentachlorophenol	266	8.210	8.204	0.006	91	1143734	48.0	55.5	
85 Pentachloronitrobenzene	237	8.216	8.210	0.006	85	417105	24.0	25.6	
86 n-Octadecane	57	8.298	8.292	0.006	91	1939999	24.0	25.4	
* 87 Phenanthrene-d10	188	8.369	8.363	0.006	98	1363619	8.00	8.00	
88 Phenanthrene	178	8.392	8.386	0.006	97	4808092	24.0	24.6	
89 Anthracene	178	8.439	8.433	0.006	99	4981835	24.0	25.0	
90 Carbazole	167	8.604	8.598	0.006	96	4261539	24.0	24.8	
91 Di-n-butyl phthalate	149	8.939	8.939	0.000	99	5389907	24.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.504	9.504	0.000	98	4533055	24.0	25.2	
93 Benzidine	184	9.645	9.639	0.006	99	2982382	24.0	27.8	
94 Pyrene	202	9.716	9.710	0.006	98	4621162	24.0	23.4	
95 Bisphenol-A	213	9.804	9.798	0.006	98	2130706	24.0	27.5	M
$ 96 Terphenyl-d14	244	9.874	9.869	0.005	98	3249007	24.0	24.0	
97 Butyl benzyl phthalate	149	10.357	10.351	0.006	95	2108258	24.0	25.3	
99 Carbamazepine	193	10.463	10.451	0.012	92	2179855	24.0	28.4	a
100 3,3'-Dichlorobenzidine	252	10.898	10.886	0.012	99	1586967	24.0	27.9	
101 Benzo[a]anthracene	228	10.904	10.898	0.006	99	3895340	24.0	23.5	
* 102 Chrysene-d12	240	10.916	10.910	0.006	99	985782	8.00	8.00	
104 Chrysene	228	10.945	10.939	0.006	99	3621197	24.0	24.1	
103 Bis(2-ethylhexyl) phthalat	149	10.974	10.969	0.005	84	3024632	24.0	27.6	
105 Di-n-octyl phthalate	149	11.745	11.739	0.006	96	5479176	24.0	22.4	
106 Benzo[b]fluoranthene	252	12.180	12.163	0.017	99	4496156	24.0	25.1	
107 Benzo[k]fluoranthene	252	12.215	12.198	0.017	99	4058324	24.0	22.1	
108 Benzo[a]pyrene	252	12.598	12.580	0.018	97	4281768	24.0	26.0	
* 109 Perylene-d12	264	12.663	12.657	0.006	98	1183321	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.121	14.092	0.029	99	6210091	24.0	30.9	
111 Dibenz(a,h)anthracene	278	14.157	14.127	0.030	97	5763002	24.0	29.4	
112 Benzo[g,h,i]perylene	276	14.498	14.462	0.036	99	6171091	24.0	29.0	
S 119 Total Cresols	1				0			47.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_BNAL8_00019 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:37:53 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600893.D

Injection Date: 19-Apr-2019 13:57:30 Instrument ID: CBNAMS16 Operator ID:

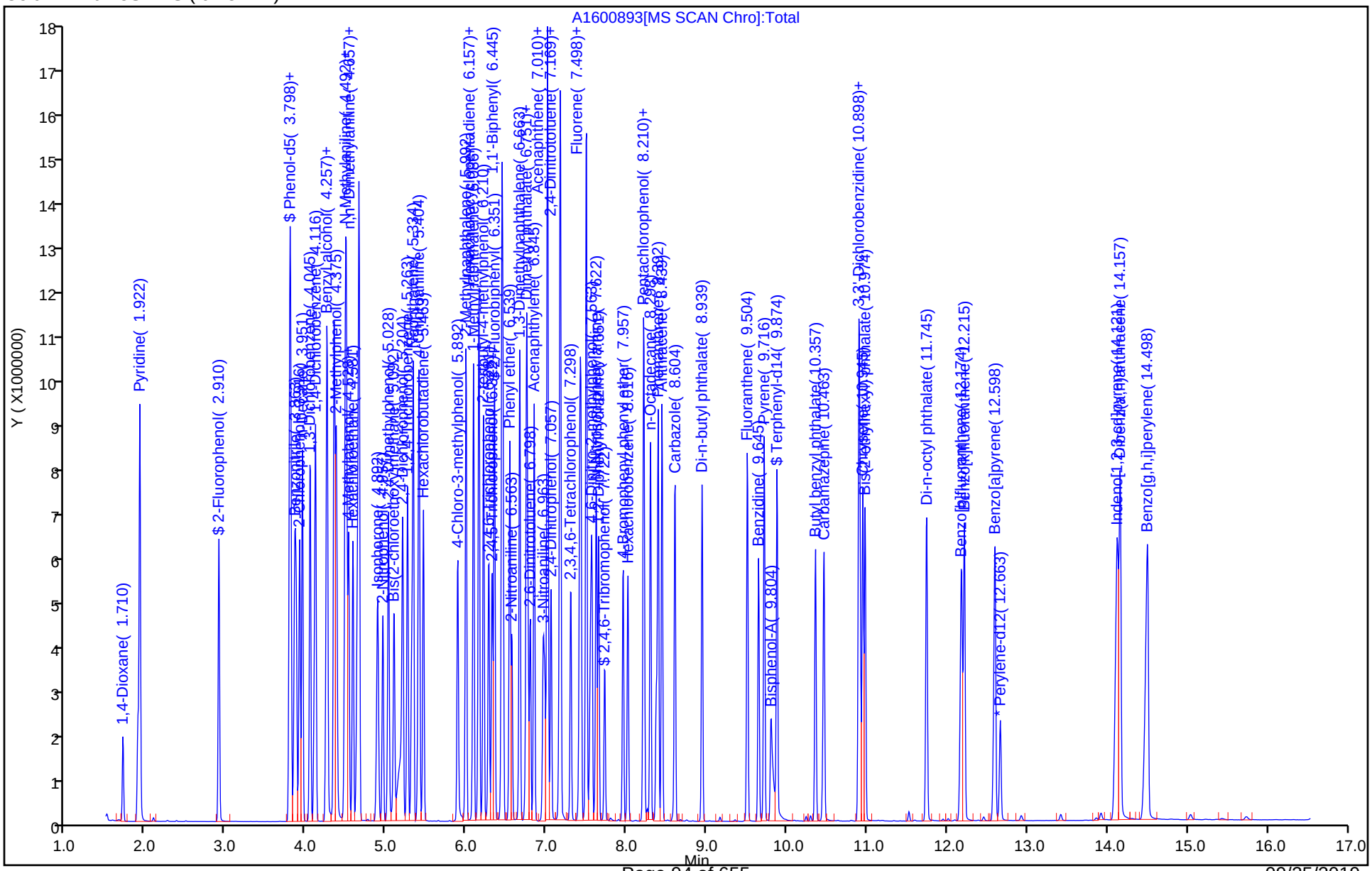
Lims ID: STD24 Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600894.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Apr-2019 14:18:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-004
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:38:00 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: johnstonm1 Date: 19-Apr-2019 14:50:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.663	1.740	-0.077	94	420535	16.0	15.1	
2 N-Nitrosodimethylamine	74	1.852	1.916	-0.064	83	635732	16.0	16.0	
3 Pyridine	79	1.881	1.946	-0.065	93	2002006	32.0	33.1	
$ 4 2-Fluorophenol	112	2.893	2.910	-0.017	96	1240709	16.0	16.8	
8 Aniline	93	3.787	3.787	0.000	94	1820917	16.0	16.4	
$ 6 Phenol-d5	99	3.781	3.787	-0.006	0	1442626	16.0	16.9	
7 Phenol	94	3.799	3.798	0.001	93	1551582	16.0	16.3	
9 Bis(2-chloroethyl)ether	93	3.846	3.846	0.000	99	1085957	16.0	15.9	
10 Benzonitrile	103	3.857	3.863	-0.006	98	2263009	NC	NC	
11 2-Chlorophenol	128	3.910	3.910	0.000	97	1299566	16.0	16.1	
12 n-Decane	43	3.946	3.946	0.000	87	1019486	16.0	16.0	
13 1,3-Dichlorobenzene	146	4.040	4.046	-0.005	95	1453219	16.0	16.1	
* 14 1,4-Dichlorobenzene-d4	152	4.093	4.098	-0.005	97	446136	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.110	4.110	0.000	94	1476201	16.0	16.2	
16 Benzyl alcohol	108	4.240	4.245	-0.005	92	739677	16.0	17.2	
17 1,2-Dichlorobenzene	146	4.257	4.257	0.000	97	1387456	16.0	16.2	
19 2,2'-oxybis[1-chloropropan	45	4.363	4.363	0.000	89	1195094	16.0	15.9	
18 2-Methylphenol	108	4.369	4.369	0.000	88	1063673	16.0	15.9	
20 N-Methylaniline	106	4.481	4.481	0.000	99	1742197	16.0	16.6	
21 Acetophenone	105	4.487	4.487	0.000	93	1732240	16.0	16.1	
22 N-Nitrosodi-n-propylamine	70	4.493	4.493	0.000	91	801090	16.0	16.6	
23 3 & 4 Methylphenol	108	4.522	4.522	0.000	97	1151217	16.0	16.0	
24 4-Methylphenol	108	4.522	4.522	0.000	96	1119843	16.0	16.1	
25 Hexachloroethane	117	4.575	4.581	-0.006	95	531558	16.0	16.4	
$ 27 Nitrobenzene-d5	82	4.628	4.628	0.000	88	1264875	16.0	16.6	
29 n,n'-Dimethylaniline	120	4.651	4.651	0.000	93	1901549	16.0	16.2	
28 Nitrobenzene	123	4.651	4.651	0.000	93	621976	16.0	17.0	
30 Isophorone	82	4.881	4.881	0.000	99	2110387	16.0	16.5	
32 2-Nitrophenol	139	4.951	4.951	0.000	92	674523	16.0	16.7	
33 2,4-Dimethylphenol	122	5.022	5.022	0.000	90	1021419	16.0	16.0	
34 Bis(2-chloroethoxy)methane	93	5.093	5.093	0.001	98	1258261	16.0	16.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.163	5.151	0.012	92	704520	16.0	17.2	
36 2,4-Dichlorophenol	162	5.199	5.198	0.000	96	987930	16.0	16.1	
37 1,2,4-Trichlorobenzene	180	5.263	5.263	0.000	95	1084838	16.0	16.2	
* 38 Naphthalene-d8	136	5.310	5.310	0.000	98	1730760	8.00	8.00	
39 Naphthalene	128	5.334	5.334	0.000	99	3681754	16.0	16.2	
40 4-Chloroaniline	127	5.398	5.398	0.000	97	1460208	16.0	16.4	
41 Hexachlorobutadiene	225	5.457	5.463	-0.006	93	598646	16.0	16.8	
43 4-Chloro-3-methylphenol	107	5.887	5.887	0.000	96	974117	16.0	16.2	
44 2-Methylnaphthalene	142	5.993	5.992	0.001	85	2401227	16.0	16.4	
45 1-Methylnaphthalene	142	6.081	6.087	-0.006	93	2194641	16.0	16.1	
46 Hexachlorocyclopentadiene	237	6.151	6.151	0.000	96	682012	16.0	17.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.157	6.157	0.000	96	959084	16.0	16.2	
48 2-tertbutyl-4-methylphenol	149	6.210	6.210	0.000	90	1563899	16.0	16.9	
49 2,4,6-Trichlorophenol	196	6.275	6.275	0.000	89	654150	16.0	16.8	
50 2,4,5-Trichlorophenol	196	6.316	6.316	0.000	97	686735	16.0	16.5	
$ 51 2-Fluorobiphenyl	172	6.345	6.345	0.000	98	2542504	16.0	16.5	
52 1,1'-Biphenyl	154	6.440	6.439	0.001	95	2771329	16.0	16.3	
53 2-Chloronaphthalene	162	6.451	6.451	0.000	97	2133065	16.0	16.2	
54 Phenyl ether	170	6.540	6.534	0.006	83	1387471	16.0	16.4	
55 2-Nitroaniline	65	6.557	6.557	0.000	98	673771	16.0	16.6	
57 1,3-Dimethylnaphthalene	156	6.663	6.657	0.006	91	1694221	16.0	16.5	
59 Dimethyl phthalate	163	6.740	6.739	0.001	99	2256956	16.0	16.3	
60 Coumarin	146	6.745	6.745	0.000	77	730237	16.0	16.6	
61 2,6-Dinitrotoluene	165	6.793	6.787	0.007	95	498374	16.0	17.0	
62 Acenaphthylene	152	6.840	6.839	0.001	97	3285798	16.0	16.4	
63 3-Nitroaniline	138	6.951	6.951	0.000	96	538674	16.0	16.5	
* 64 Acenaphthene-d10	164	6.975	6.975	0.000	94	824659	8.00	8.00	
66 Acenaphthene	154	7.004	7.004	0.000	94	1928702	16.0	16.0	
65 3,5-di-tert-butyl-4-hydrox	205	7.010	7.010	0.000	97	1723440	16.0	16.5	
67 2,4-Dinitrophenol	184	7.045	7.045	0.000	96	561253	32.0	33.2	
68 4-Nitrophenol	65	7.157	7.157	0.000	89	813357	32.0	34.1	
69 2,4-Dinitrotoluene	165	7.169	7.163	0.006	91	656286	16.0	17.3	
70 Dibenzofuran	168	7.169	7.169	0.000	96	2844305	16.0	16.2	
72 2,3,4,6-Tetrachlorophenol	232	7.298	7.298	0.000	90	483834	16.0	16.4	
73 Diethyl phthalate	149	7.404	7.404	0.000	98	2232312	16.0	16.1	
75 Fluorene	166	7.492	7.486	0.006	95	2238787	16.0	16.6	
74 4-Chlorophenyl phenyl ethe	204	7.492	7.492	0.000	86	1013802	16.0	16.2	
76 4-Nitroaniline	138	7.534	7.528	0.006	92	509843	16.0	16.5	
77 4,6-Dinitro-2-methylphenol	198	7.557	7.551	0.006	87	690880	32.0	33.1	
78 N-Nitrosodiphenylamine	169	7.610	7.610	0.000	73	1510183	16.0	15.9	
79 1,2-Diphenylhydrazine	77	7.645	7.645	0.000	99	2115914	16.0	16.3	
$ 80 2,4,6-Tribromophenol	330	7.722	7.722	0.000	93	277591	16.0	17.4	
81 4-Bromophenyl phenyl ether	248	7.951	7.951	0.000	85	534809	16.0	16.3	
82 Hexachlorobenzene	284	8.010	8.010	0.000	99	563009	16.0	16.4	
84 Pentachlorophenol	266	8.204	8.204	0.000	90	679563	32.0	36.2	
85 Pentachloronitrobenzene	237	8.210	8.210	0.000	86	257814	16.0	17.3	
86 n-Octadecane	57	8.292	8.292	0.000	91	1149900	16.0	16.5	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	1244495	8.00	8.00	
88 Phenanthrene	178	8.387	8.386	0.001	97	2907066	16.0	16.3	
89 Anthracene	178	8.434	8.433	0.001	99	3023216	16.0	16.6	
90 Carbazole	167	8.598	8.598	0.000	96	2604158	16.0	16.6	
91 Di-n-butyl phthalate	149	8.939	8.939	0.000	99	3302553	16.0	17.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.504	9.504	0.000	98	2778756	16.0	17.0	
93 Benzidine	184	9.639	9.639	0.000	99	1841352	16.0	18.8	
94 Pyrene	202	9.710	9.710	0.000	98	2778743	16.0	15.2	
95 Bisphenol-A	213	9.798	9.798	0.000	98	1217914	16.0	17.0	
$ 96 Terphenyl-d14	244	9.875	9.869	0.006	98	2013872	16.0	16.1	
97 Butyl benzyl phthalate	149	10.351	10.351	0.000	96	1314430	16.0	17.1	
99 Carbamazepine	193	10.451	10.451	0.000	93	1301038	16.0	18.4	
100 3,3'-Dichlorobenzidine	252	10.892	10.886	0.006	99	954926	16.0	18.2	
101 Benzo[a]anthracene	228	10.898	10.898	0.000	99	2420372	16.0	15.8	
* 102 Chrysene-d12	240	10.910	10.910	0.000	99	910713	8.00	8.00	
104 Chrysene	228	10.939	10.939	0.000	99	2269914	16.0	16.3	
103 Bis(2-ethylhexyl) phthalat	149	10.969	10.969	0.000	85	1823236	16.0	18.0	
105 Di-n-octyl phthalate	149	11.739	11.739	0.000	96	3276287	16.0	16.0	
106 Benzo[b]fluoranthene	252	12.169	12.163	0.006	99	2438131	16.0	16.3	
107 Benzo[k]fluoranthene	252	12.204	12.198	0.006	99	2485864	16.0	16.2	
108 Benzo[a]pyrene	252	12.586	12.580	0.006	97	2398325	16.0	17.4	
* 109 Perylene-d12	264	12.657	12.657	0.000	98	990045	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.104	14.092	0.012	99	3421790	16.0	20.3	
111 Dibenz(a,h)anthracene	278	14.139	14.127	0.012	98	3211600	16.0	19.6	
112 Benzo[g,h,i]perylene	276	14.480	14.462	0.018	98	3494733	16.0	19.6	
S 119 Total Cresols	1				0			31.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL7_00019 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:38:02 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600894.D

Injection Date: 19-Apr-2019 14:18:30 Instrument ID: CBNAMS16 Operator ID:

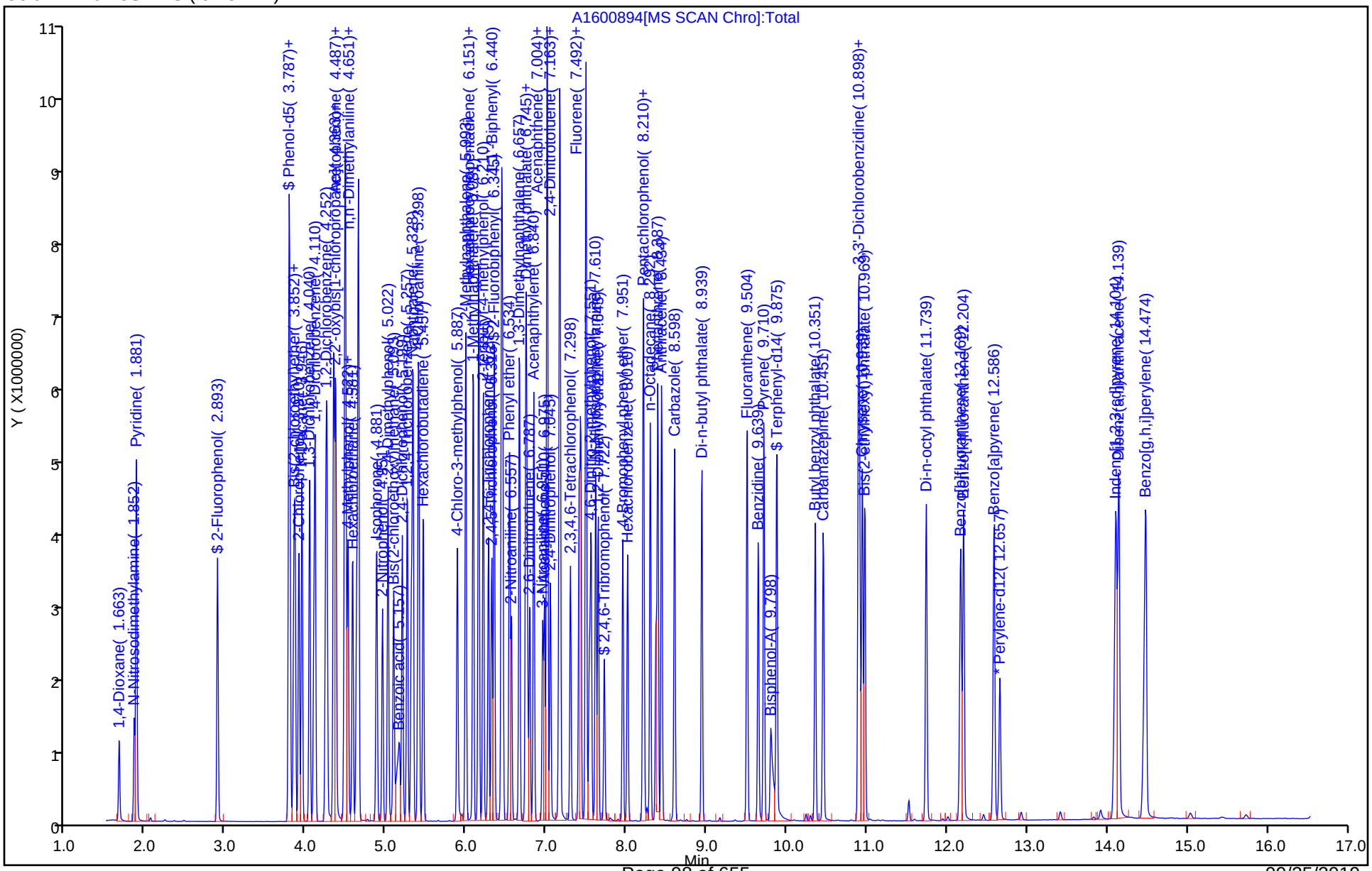
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600895.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Apr-2019 14:39:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-005
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:38:08 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: xuyvo Date: 20-Apr-2019 13:08:17

	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	1.675	1.740	-0.065	93	116570	4.00	3.78	
	2 N-Nitrosodimethylamine	74	1.857	1.916	-0.059	83	168354	4.00	3.84	
	3 Pyridine	79	1.887	1.946	-0.059	93	506949	8.00	7.59	
$	4 2-Fluorophenol	112	2.898	2.910	-0.012	95	312504	4.00	3.82	
	8 Aniline	93	3.781	3.787	-0.006	89	492197	4.00	4.01	
$	6 Phenol-d5	99	3.781	3.787	-0.006	0	360889	4.00	3.83	
	7 Phenol	94	3.792	3.798	-0.006	98	419805	4.00	3.99	
	9 Bis(2-chloroethyl)ether	93	3.839	3.846	-0.007	98	296992	4.00	3.93	
	10 Benzonitrile	103	3.851	3.863	-0.012	98	622249	NC	NC	
	11 2-Chlorophenol	128	3.904	3.910	-0.006	97	359770	4.00	4.05	
	12 n-Decane	43	3.945	3.946	-0.001	86	275676	4.00	3.93	
	13 1,3-Dichlorobenzene	146	4.039	4.046	-0.006	95	404637	4.00	4.07	
*	14 1,4-Dichlorobenzene-d4	152	4.092	4.098	-0.006	96	492526	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.110	4.110	0.000	93	396226	4.00	3.93	
	16 Benzyl alcohol	108	4.239	4.245	-0.006	92	193056	4.00	4.07	
	17 1,2-Dichlorobenzene	146	4.257	4.257	0.000	95	372919	4.00	3.95	
	19 2,2'-oxybis[1-chloropropan	45	4.357	4.363	-0.006	88	330901	4.00	4.00	
	18 2-Methylphenol	108	4.363	4.369	-0.006	86	294876	4.00	3.99	
	20 N-Methylaniline	106	4.475	4.481	-0.006	97	473624	4.00	4.09	
	21 Acetophenone	105	4.481	4.487	-0.006	94	479460	4.00	4.04	
	22 N-Nitrosodi-n-propylamine	70	4.486	4.493	-0.007	88	223607	4.00	4.19	
	23 3 & 4 Methylphenol	108	4.516	4.522	-0.006	96	322622	4.00	4.06	
	24 4-Methylphenol	108	4.516	4.522	-0.006	95	310709	4.00	4.05	
	25 Hexachloroethane	117	4.575	4.581	-0.006	93	142914	4.00	4.00	
$	27 Nitrobenzene-d5	82	4.622	4.628	-0.006	88	337812	4.00	3.93	
	28 Nitrobenzene	123	4.645	4.651	-0.006	94	169763	4.00	4.21	
	29 n,n'-Dimethylaniline	120	4.645	4.651	-0.006	98	519304	4.00	4.00	
	30 Isophorone	82	4.869	4.881	-0.012	99	593582	4.00	4.12	
	32 2-Nitrophenol	139	4.951	4.951	0.000	91	181656	4.00	4.01	
	33 2,4-Dimethylphenol	122	5.016	5.022	-0.006	90	291301	4.00	4.06	
	34 Bis(2-chloroethoxy)methane	93	5.086	5.093	-0.006	98	350142	4.00	4.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.110	5.151	-0.041	89	139386	4.00	3.59	
36 2,4-Dichlorophenol	162	5.192	5.198	-0.006	95	276012	4.00	4.01	
37 1,2,4-Trichlorobenzene	180	5.257	5.263	-0.006	94	306950	4.00	4.09	
* 38 Naphthalene-d8	136	5.310	5.310	0.000	99	1947400	8.00	8.00	
39 Naphthalene	128	5.328	5.334	-0.006	98	1016207	4.00	3.98	
40 4-Chloroaniline	127	5.392	5.398	-0.006	96	402681	4.00	4.01	
41 Hexachlorobutadiene	225	5.457	5.463	-0.006	92	164862	4.00	4.12	
43 4-Chloro-3-methylphenol	107	5.886	5.887	-0.001	96	271119	4.00	4.01	
44 2-Methylnaphthalene	142	5.986	5.992	-0.006	84	667891	4.00	4.05	
45 1-Methylnaphthalene	142	6.080	6.087	-0.007	92	620421	4.00	4.04	
46 Hexachlorocyclopentadiene	237	6.145	6.151	-0.006	95	179399	4.00	4.00	
47 1,2,4,5-Tetrachlorobenzene	216	6.151	6.157	-0.006	95	266522	4.00	3.95	
48 2-tertbutyl-4-methylphenol	149	6.204	6.210	-0.006	90	422361	4.00	4.06	
49 2,4,6-Trichlorophenol	196	6.269	6.275	-0.006	88	182508	4.00	4.12	
50 2,4,5-Trichlorophenol	196	6.310	6.316	-0.006	97	188684	4.00	4.00	
$ 51 2-Fluorobiphenyl	172	6.339	6.345	-0.006	97	657050	4.00	3.76	
52 1,1'-Biphenyl	154	6.433	6.439	-0.006	96	760112	4.00	3.94	
53 2-Chloronaphthalene	162	6.445	6.451	-0.006	96	594786	4.00	3.97	
54 Phenyl ether	170	6.533	6.534	-0.001	85	384415	4.00	4.00	
55 2-Nitroaniline	65	6.557	6.557	0.000	97	191159	4.00	4.14	
57 1,3-Dimethylnaphthalene	156	6.657	6.657	0.000	90	459917	4.00	3.94	
59 Dimethyl phthalate	163	6.733	6.739	-0.006	98	637892	4.00	4.06	
60 Coumarin	146	6.739	6.745	-0.006	79	202973	4.00	4.09	
61 2,6-Dinitrotoluene	165	6.780	6.787	-0.006	95	143905	4.00	4.32	
62 Acenaphthylene	152	6.833	6.839	-0.006	97	910064	4.00	3.99	
63 3-Nitroaniline	138	6.945	6.951	-0.006	98	158247	4.00	4.27	
* 64 Acenaphthene-d10	164	6.969	6.975	-0.006	94	937222	8.00	8.00	
66 Acenaphthene	154	6.998	7.004	-0.006	94	553565	4.00	4.03	
65 3,5-di-tert-butyl-4-hydrox	205	7.004	7.010	-0.006	97	468883	4.00	3.96	
67 2,4-Dinitrophenol	184	7.039	7.045	-0.006	94	108892	8.00	7.56	
68 4-Nitrophenol	65	7.151	7.157	-0.006	86	223581	8.00	8.24	
69 2,4-Dinitrotoluene	165	7.163	7.163	0.000	84	186476	4.00	4.32	
70 Dibenzofuran	168	7.163	7.169	-0.006	94	815411	4.00	4.07	
72 2,3,4,6-Tetrachlorophenol	232	7.292	7.298	-0.006	90	139084	4.00	4.14	
73 Diethyl phthalate	149	7.398	7.404	-0.006	98	718206	4.00	4.55	
75 Fluorene	166	7.486	7.486	0.000	94	610983	4.00	3.98	
74 4-Chlorophenyl phenyl ethe	204	7.492	7.492	0.000	86	284551	4.00	4.01	
76 4-Nitroaniline	138	7.516	7.528	-0.012	91	145506	4.00	4.15	
77 4,6-Dinitro-2-methylphenol	198	7.545	7.551	-0.006	84	165020	8.00	7.51	
78 N-Nitrosodiphenylamine	169	7.604	7.610	-0.006	73	437560	4.00	3.94	
79 1,2-Diphenylhydrazine	77	7.639	7.645	-0.006	99	582316	4.00	3.85	
$ 80 2,4,6-Tribromophenol	330	7.716	7.722	-0.006	91	71420	4.00	3.94	
81 4-Bromophenyl phenyl ether	248	7.951	7.951	0.000	86	150731	4.00	3.95	
82 Hexachlorobenzene	284	8.004	8.010	-0.006	99	158138	4.00	3.96	
84 Pentachlorophenol	266	8.204	8.204	0.000	90	174006	8.00	7.94	
85 Pentachloronitrobenzene	237	8.210	8.210	0.000	84	72622	4.00	4.18	
86 n-Octadecane	57	8.292	8.292	0.000	92	318369	4.00	3.92	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	1450883	8.00	8.00	
88 Phenanthrene	178	8.380	8.386	-0.006	97	811893	4.00	3.91	
89 Anthracene	178	8.433	8.433	0.000	99	841363	4.00	3.96	
90 Carbazole	167	8.592	8.598	-0.006	96	730079	4.00	3.99	
91 Di-n-butyl phthalate	149	8.933	8.939	-0.006	99	858385	4.00	3.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.498	9.504	-0.006	98	755436	4.00	3.95	
93 Benzidine	184	9.639	9.639	0.000	99	450915	4.00	3.95	
94 Pyrene	202	9.710	9.710	0.000	98	769052	4.00	4.08	
95 Bisphenol-A	213	9.804	9.798	0.006	97	296457	4.00	4.01	M
$ 96 Terphenyl-d14	244	9.868	9.869	-0.001	98	512028	4.00	3.96	
97 Butyl benzyl phthalate	149	10.351	10.351	0.000	96	330031	4.00	4.15	
99 Carbamazepine	193	10.445	10.451	-0.006	92	296468	4.00	4.05	
100 3,3'-Dichlorobenzidine	252	10.886	10.886	0.000	99	231775	4.00	4.28	
101 Benzo[a]anthracene	228	10.898	10.898	0.000	99	641480	4.00	4.05	
* 102 Chrysene-d12	240	10.904	10.910	-0.006	99	940374	8.00	8.00	
104 Chrysene	228	10.933	10.939	-0.006	99	589911	4.00	4.11	
103 Bis(2-ethylhexyl) phthalat	149	10.968	10.969	-0.001	85	444802	4.00	4.26	
105 Di-n-octyl phthalate	149	11.733	11.739	-0.006	96	802083	4.00	4.30	
106 Benzo[b]fluoranthene	252	12.157	12.163	-0.006	99	570575	4.00	4.17	
107 Benzo[k]fluoranthene	252	12.192	12.198	-0.006	99	601555	4.00	4.30	
108 Benzo[a]pyrene	252	12.574	12.580	-0.006	97	530692	4.00	4.22	
* 109 Perylene-d12	264	12.651	12.657	-0.006	98	903466	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.080	14.092	-0.012	99	583534	4.00	3.80	
111 Dibenz(a,h)anthracene	278	14.121	14.127	-0.006	96	590325	4.00	3.94	
112 Benzo[g,h,i]perylene	276	14.445	14.462	-0.017	98	600680	4.00	3.70	
S 119 Total Cresols	1				0			8.05	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL5_00027 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:38:10 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600895.D

Injection Date: 19-Apr-2019 14:39:30 Instrument ID: CBNAMS16 Operator ID:

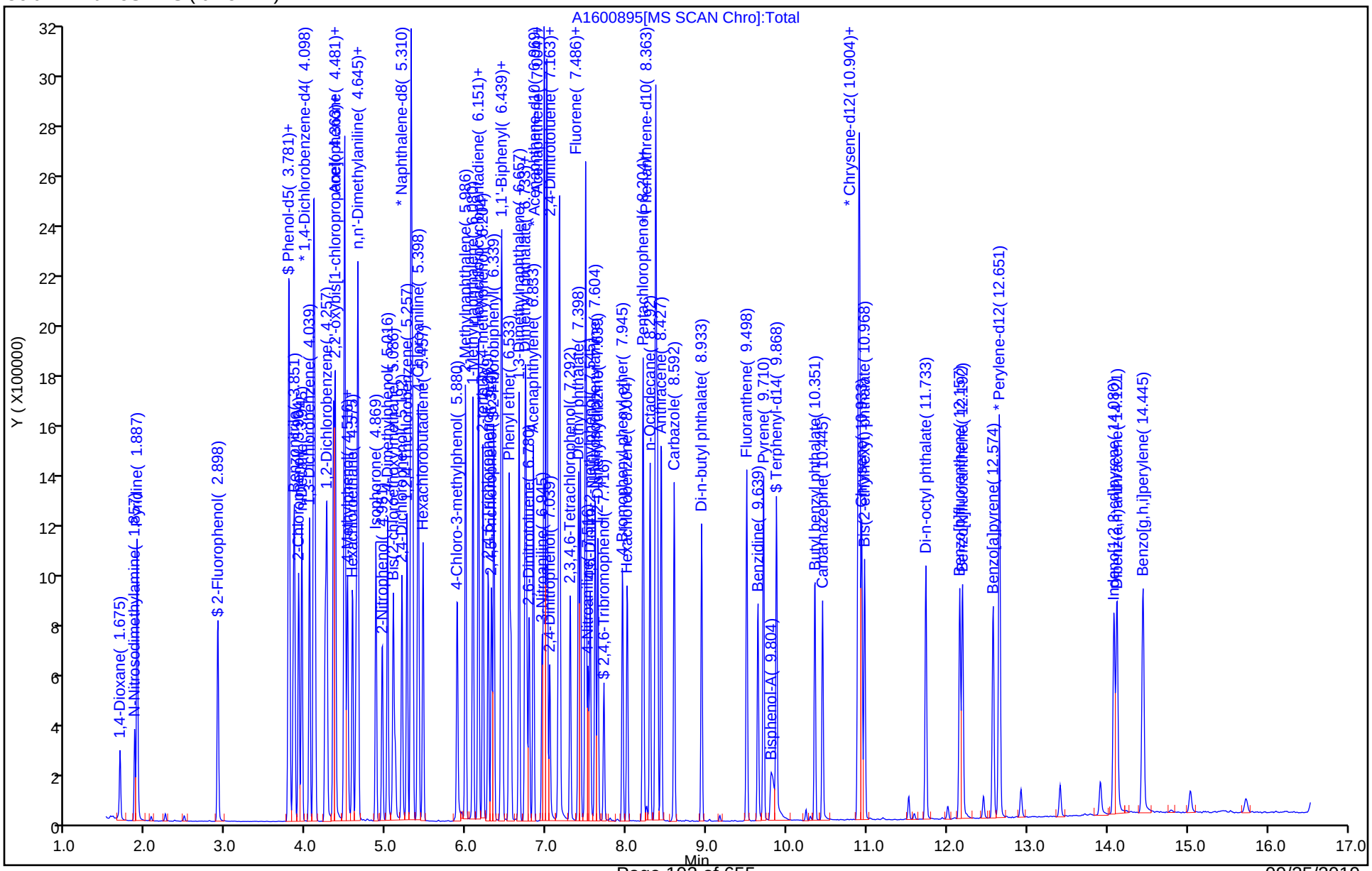
Lims ID: STD4 Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600896.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2019 15:00:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-006
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:38:16 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: xuyvo Date: 20-Apr-2019 13:10:15

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	1.675	1.740	-0.065	92	70105	2.00	2.26	
2 N-Nitrosodimethylamine	74	1.863	1.916	-0.053	85	90317	2.00	2.05	
3 Pyridine	79	1.893	1.946	-0.053	91	257836	4.00	3.83	
$ 4 2-Fluorophenol	112	2.899	2.910	-0.012	96	162270	2.00	1.97	
8 Aniline	93	3.781	3.787	-0.006	89	248354	2.00	2.01	
$ 6 Phenol-d5	99	3.775	3.787	-0.012	0	188951	2.00	1.99	
7 Phenol	94	3.787	3.798	-0.011	98	218502	2.00	2.06	
9 Bis(2-chloroethyl)ether	93	3.840	3.846	-0.006	99	152458	2.00	2.00	
10 Benzonitrile	103	3.851	3.863	-0.012	99	308548	NC	NC	
11 2-Chlorophenol	128	3.904	3.910	-0.006	96	183193	2.00	2.05	
12 n-Decane	43	3.946	3.946	0.000	87	141452	2.00	2.00	
13 1,3-Dichlorobenzene	146	4.040	4.046	-0.005	94	196916	2.00	1.97	
* 14 1,4-Dichlorobenzene-d4	152	4.093	4.098	-0.005	96	496283	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.110	4.110	0.000	94	207332	2.00	2.04	
16 Benzyl alcohol	108	4.240	4.245	-0.005	93	93154	2.00	1.95	
17 1,2-Dichlorobenzene	146	4.257	4.257	0.000	95	193107	2.00	2.03	
19 2,2'-oxybis[1-chloropropan	45	4.357	4.363	-0.006	87	170754	2.00	2.05	
18 2-Methylphenol	108	4.363	4.369	-0.006	86	150673	2.00	2.02	
20 N-Methylaniline	106	4.475	4.481	-0.006	97	239573	2.00	2.05	
21 Acetophenone	105	4.481	4.487	-0.006	94	252060	2.00	2.11	
22 N-Nitrosodi-n-propylamine	70	4.481	4.493	-0.012	87	112688	2.00	2.09	
23 3 & 4 Methylphenol	108	4.516	4.522	-0.006	96	167687	2.00	2.09	
24 4-Methylphenol	108	4.516	4.522	-0.006	94	160321	2.00	2.08	
25 Hexachloroethane	117	4.575	4.581	-0.006	93	76438	2.00	2.12	
$ 27 Nitrobenzene-d5	82	4.622	4.628	-0.006	88	172381	2.00	1.96	
29 n,n'-Dimethylaniline	120	4.645	4.651	-0.006	92	260843	2.00	1.99	
28 Nitrobenzene	123	4.640	4.651	-0.011	93	86125	2.00	2.12	
30 Isophorone	82	4.869	4.881	-0.012	99	303975	2.00	2.06	
32 2-Nitrophenol	139	4.951	4.951	0.000	91	92615	2.00	2.00	
33 2,4-Dimethylphenol	122	5.016	5.022	-0.006	90	148519	2.00	2.02	
34 Bis(2-chloroethoxy)methane	93	5.087	5.093	-0.005	98	176266	2.00	1.97	

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	5.092	5.151	-0.059	85	58384	2.00	1.88	
36 2,4-Dichlorophenol	162	5.192	5.198	-0.006	95	140559	2.00	1.99	
37 1,2,4-Trichlorobenzene	180	5.257	5.263	-0.006	94	159007	2.00	2.07	
* 38 Naphthalene-d8	136	5.310	5.310	0.000	99	1993669	8.00	8.00	
39 Naphthalene	128	5.328	5.334	-0.006	99	521300	2.00	2.00	
40 4-Chloroaniline	127	5.392	5.398	-0.006	97	207980	2.00	2.02	
41 Hexachlorobutadiene	225	5.457	5.463	-0.006	92	84728	2.00	2.07	
43 4-Chloro-3-methylphenol	107	5.881	5.887	-0.006	96	141004	2.00	2.04	
44 2-Methylnaphthalene	142	5.987	5.992	-0.005	84	336856	2.00	2.00	
45 1-Methylnaphthalene	142	6.081	6.087	-0.006	92	319438	2.00	2.03	
46 Hexachlorocyclopentadiene	237	6.145	6.151	-0.006	96	81323	2.00	1.74	
47 1,2,4,5-Tetrachlorobenzene	216	6.151	6.157	-0.006	94	139387	2.00	1.99	
48 2-tertbutyl-4-methylphenol	149	6.204	6.210	-0.006	90	215221	2.00	2.02	
49 2,4,6-Trichlorophenol	196	6.269	6.275	-0.006	88	94417	2.00	2.05	
50 2,4,5-Trichlorophenol	196	6.310	6.316	-0.006	96	96409	2.00	1.96	
$ 51 2-Fluorobiphenyl	172	6.339	6.345	-0.006	97	348635	2.00	1.92	
52 1,1'-Biphenyl	154	6.434	6.439	-0.005	95	393206	2.00	1.96	
53 2-Chloronaphthalene	162	6.445	6.451	-0.006	98	307705	2.00	1.98	
54 Phenyl ether	170	6.534	6.534	0.000	85	194964	2.00	1.95	
55 2-Nitroaniline	65	6.551	6.557	-0.006	98	94992	2.00	1.98	
57 1,3-Dimethylnaphthalene	156	6.657	6.657	0.000	90	234154	2.00	1.93	
59 Dimethyl phthalate	163	6.728	6.739	-0.011	99	325097	2.00	1.99	
60 Coumarin	146	6.739	6.745	-0.006	77	101160	2.00	1.99	
61 2,6-Dinitrotoluene	165	6.781	6.787	-0.005	96	73011	2.00	2.11	
62 Acenaphthylene	152	6.834	6.839	-0.005	97	466880	2.00	1.97	
63 3-Nitroaniline	138	6.945	6.951	-0.006	96	77296	2.00	2.01	
* 64 Acenaphthene-d10	164	6.969	6.975	-0.006	94	975048	8.00	8.00	
66 Acenaphthene	154	6.998	7.004	-0.006	94	290888	2.00	2.04	
65 3,5-di-tert-butyl-4-hydrox	205	7.004	7.010	-0.006	97	240063	2.00	1.95	
67 2,4-Dinitrophenol	184	7.039	7.045	-0.006	95	45338	4.00	4.11	
68 4-Nitrophenol	65	7.145	7.157	-0.012	87	112567	4.00	3.99	a
69 2,4-Dinitrotoluene	165	7.157	7.163	-0.006	84	96461	2.00	2.15	
70 Dibenzofuran	168	7.163	7.169	-0.006	95	412961	2.00	1.98	
72 2,3,4,6-Tetrachlorophenol	232	7.292	7.298	-0.006	91	69910	2.00	2.00	
73 Diethyl phthalate	149	7.398	7.404	-0.006	98	327388	2.00	2.00	
75 Fluorene	166	7.486	7.486	0.000	96	321099	2.00	2.01	
74 4-Chlorophenyl phenyl ethe	204	7.492	7.492	0.000	87	150122	2.00	2.03	
76 4-Nitroaniline	138	7.516	7.528	-0.012	83	74725	2.00	2.05	
77 4,6-Dinitro-2-methylphenol	198	7.545	7.551	-0.006	82	74345	4.00	3.80	
78 N-Nitrosodiphenylamine	169	7.604	7.610	-0.006	73	225827	2.00	1.98	
79 1,2-Diphenylhydrazine	77	7.639	7.645	-0.006	99	294438	2.00	1.89	
$ 80 2,4,6-Tribromophenol	330	7.716	7.722	-0.006	91	36728	2.00	1.95	
81 4-Bromophenyl phenyl ether	248	7.945	7.951	-0.006	85	77471	2.00	1.97	
82 Hexachlorobenzene	284	8.004	8.010	-0.006	98	81626	2.00	1.99	
84 Pentachlorophenol	266	8.204	8.204	0.000	90	78738	4.00	3.49	
85 Pentachloronitrobenzene	237	8.204	8.210	-0.006	86	34281	2.00	1.92	
86 n-Octadecane	57	8.292	8.292	0.000	92	159076	2.00	1.90	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	1492179	8.00	8.00	
88 Phenanthrene	178	8.381	8.386	-0.006	96	431678	2.00	2.02	
89 Anthracene	178	8.428	8.433	-0.005	99	432210	2.00	1.98	
90 Carbazole	167	8.592	8.598	-0.006	96	377042	2.00	2.00	
91 Di-n-butyl phthalate	149	8.933	8.939	-0.006	99	415267	2.00	1.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.498	9.504	-0.006	98	386682	2.00	1.97	
93 Benzidine	184	9.639	9.639	0.000	99	205115	2.00	1.75	
94 Pyrene	202	9.710	9.710	0.000	98	394963	2.00	2.04	
95 Bisphenol-A	213	9.822	9.798	0.024	97	145243	2.00	1.91	
$ 96 Terphenyl-d14	244	9.869	9.869	0.000	98	266611	2.00	2.01	
97 Butyl benzyl phthalate	149	10.345	10.351	-0.006	96	158667	2.00	1.94	
99 Carbamazepine	193	10.445	10.451	-0.006	92	137265	2.00	1.83	
100 3,3'-Dichlorobenzidine	252	10.886	10.886	0.000	98	108138	2.00	1.94	
101 Benzo[a]anthracene	228	10.892	10.898	-0.006	99	320393	2.00	1.97	
* 102 Chrysene-d12	240	10.904	10.910	-0.006	99	965757	8.00	8.00	
104 Chrysene	228	10.933	10.939	-0.006	98	290700	2.00	1.97	
103 Bis(2-ethylhexyl) phthalat	149	10.969	10.969	0.000	86	210061	2.00	1.96	
105 Di-n-octyl phthalate	149	11.733	11.739	-0.006	96	383437	2.00	2.05	
106 Benzo[b]fluoranthene	252	12.157	12.163	-0.006	99	294177	2.00	2.15	
107 Benzo[k]fluoranthene	252	12.186	12.198	-0.012	99	290955	2.00	2.08	
108 Benzo[a]pyrene	252	12.568	12.580	-0.012	98	257224	2.00	2.04	
* 109 Perylene-d12	264	12.651	12.657	-0.006	98	904206	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.080	14.092	-0.012	99	286198	2.00	1.86	M
111 Dibenz(a,h)anthracene	278	14.115	14.127	-0.012	97	278059	2.00	1.86	
112 Benzo[g,h,i]perylene	276	14.439	14.462	-0.023	98	288188	2.00	1.77	
S 119 Total Cresols	1				0			4.12	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SM_BNAL4_00040 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:38:18 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600896.D

Injection Date: 19-Apr-2019 15:00:30 Instrument ID: CBNAMS16 Operator ID:

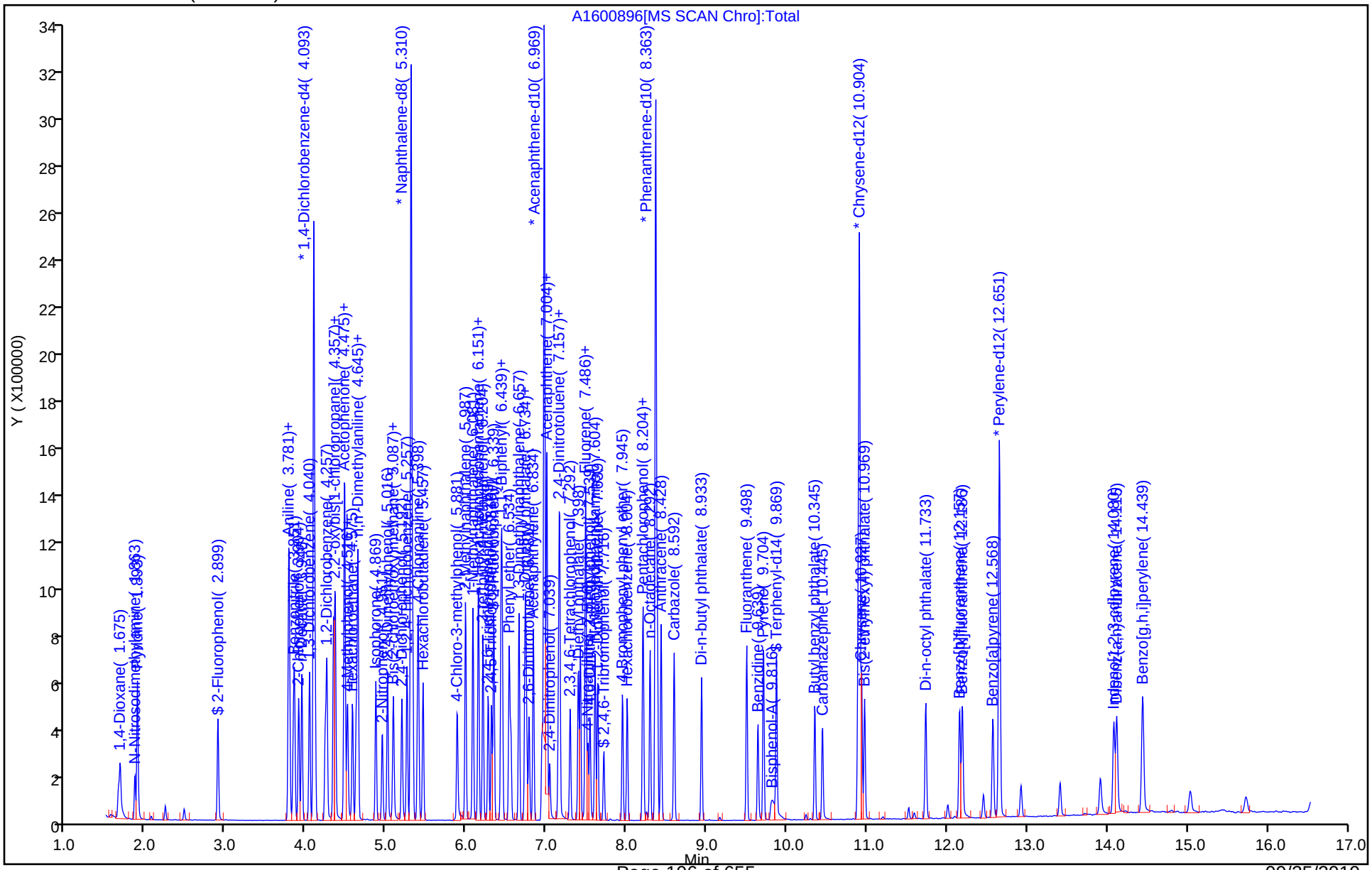
Lims ID: STD2 Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600897.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Apr-2019 15:21:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-007
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:38:25 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: xuyvo Date: 20-Apr-2019 13:11:57

	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	1.681	1.740	-0.059	92	31122	1.00	1.00	
	2 N-Nitrosodimethylamine	74	1.863	1.916	-0.053	84	42073	1.00	0.9544	
	3 Pyridine	79	1.898	1.946	-0.048	94	122979	2.00	1.83	
$	4 2-Fluorophenol	112	2.898	2.910	-0.012	96	76300	1.00	0.9274	
	8 Aniline	93	3.787	3.787	0.000	89	118220	1.00	0.9574	
$	6 Phenol-d5	99	3.781	3.787	-0.006	0	89881	1.00	0.9465	
	7 Phenol	94	3.792	3.798	-0.006	99	99555	1.00	0.9396	
	9 Bis(2-chloroethyl)ether	93	3.840	3.846	-0.006	98	73420	1.00	0.9650	
	10 Benzonitrile	103	3.851	3.863	-0.012	99	151152	NC	NC	
	11 2-Chlorophenol	128	3.904	3.910	-0.006	96	86181	1.00	0.9633	
	12 n-Decane	43	3.945	3.946	-0.001	85	66822	1.00	0.9454	
	13 1,3-Dichlorobenzene	146	4.040	4.046	-0.005	95	96769	1.00	0.9668	
*	14 1,4-Dichlorobenzene-d4	152	4.092	4.098	-0.006	97	495770	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.110	4.110	0.000	93	98726	1.00	0.9727	
	16 Benzyl alcohol	108	4.240	4.245	-0.005	93	40745	1.00	0.8527	
	17 1,2-Dichlorobenzene	146	4.257	4.257	0.000	95	95325	1.00	1.00	
	19 2,2'-oxybis[1-chloropropan	45	4.357	4.363	-0.006	87	82351	1.00	0.9886	
	18 2-Methylphenol	108	4.363	4.369	-0.006	87	73491	1.00	0.9869	
	20 N-Methylaniline	106	4.475	4.481	-0.006	97	112319	1.00	0.9643	
	21 Acetophenone	105	4.481	4.487	-0.006	95	118372	1.00	0.99	
	22 N-Nitrosodi-n-propylamine	70	4.481	4.493	-0.012	85	54430	1.00	1.01	
	23 3 & 4 Methylphenol	108	4.516	4.522	-0.006	97	78515	1.00	0.9815	
	24 4-Methylphenol	108	4.516	4.522	-0.006	95	73489	1.00	0.9522	
	25 Hexachloroethane	117	4.575	4.581	-0.006	92	35550	1.00	0.9881	
$	27 Nitrobenzene-d5	82	4.622	4.628	-0.006	89	82013	1.00	0.9313	
	28 Nitrobenzene	123	4.639	4.651	-0.012	92	40685	1.00	1.00	
	29 n,n'-Dimethylaniline	120	4.645	4.651	-0.006	93	126623	1.00	0.9686	
	30 Isophorone	82	4.869	4.881	-0.012	99	146706	1.00	0.99	
	32 2-Nitrophenol	139	4.951	4.951	0.000	89	42017	1.00	0.9039	
	33 2,4-Dimethylphenol	122	5.016	5.022	-0.006	90	70143	1.00	0.9537	
	34 Bis(2-chloroethoxy)methane	93	5.087	5.093	-0.005	99	86590	1.00	0.9680	

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	5.087	5.151	-0.064	78	17855	1.00	1.05	M
36 2,4-Dichlorophenol	162	5.192	5.198	-0.006	95	67904	1.00	0.9615	
37 1,2,4-Trichlorobenzene	180	5.257	5.263	-0.006	95	74028	1.00	0.9609	
* 38 Naphthalene-d8	136	5.310	5.310	0.000	99	1996633	8.00	8.00	
39 Naphthalene	128	5.328	5.334	-0.006	99	250584	1.00	0.9581	
40 4-Chloroaniline	127	5.392	5.398	-0.006	97	98231	1.00	0.9547	
41 Hexachlorobutadiene	225	5.457	5.463	-0.006	91	38904	1.00	0.9484	
43 4-Chloro-3-methylphenol	107	5.886	5.887	-0.001	96	66929	1.00	0.9665	
44 2-Methylnaphthalene	142	5.986	5.992	-0.006	84	166105	1.00	0.9827	
45 1-Methylnaphthalene	142	6.081	6.087	-0.006	92	155617	1.00	0.9891	
46 Hexachlorocyclopentadiene	237	6.145	6.151	-0.006	94	37461	1.00	0.7927	
47 1,2,4,5-Tetrachlorobenzene	216	6.151	6.157	-0.006	95	67363	1.00	0.9468	
48 2-tertbutyl-4-methylphenol	149	6.204	6.210	-0.006	89	104579	1.00	0.9799	
49 2,4,6-Trichlorophenol	196	6.269	6.275	-0.006	87	44417	1.00	0.9496	
50 2,4,5-Trichlorophenol	196	6.310	6.316	-0.006	94	43598	1.00	0.8763	
$ 51 2-Fluorobiphenyl	172	6.339	6.345	-0.006	97	172162	1.00	0.9347	
52 1,1'-Biphenyl	154	6.433	6.439	-0.006	96	189368	1.00	0.9309	
53 2-Chloronaphthalene	162	6.445	6.451	-0.006	98	152290	1.00	0.9645	
54 Phenyl ether	170	6.533	6.534	-0.001	85	94520	1.00	0.9326	
55 2-Nitroaniline	65	6.551	6.557	-0.006	96	44425	1.00	0.9112	
57 1,3-Dimethylnaphthalene	156	6.657	6.657	0.000	89	113510	1.00	0.9210	
59 Dimethyl phthalate	163	6.728	6.739	-0.011	98	161570	1.00	0.9761	
60 Coumarin	146	6.739	6.745	-0.006	77	49994	1.00	0.9825	
61 2,6-Dinitrotoluene	165	6.781	6.787	-0.005	94	32809	1.00	0.9343	
62 Acenaphthylene	152	6.833	6.839	-0.006	97	227154	1.00	0.9432	
63 3-Nitroaniline	138	6.945	6.951	-0.006	97	35490	1.00	0.9082	
* 64 Acenaphthene-d10	164	6.969	6.975	-0.006	94	988514	8.00	8.00	
66 Acenaphthene	154	6.998	7.004	-0.006	96	141784	1.00	0.9794	
65 3,5-di-tert-butyl-4-hydrox	205	7.004	7.010	-0.006	97	115909	1.00	0.9276	
67 2,4-Dinitrophenol	184	7.039	7.045	-0.006	96	14588	2.00	2.51	
68 4-Nitrophenol	65	7.151	7.157	-0.006	89	52037	2.00	1.82	
69 2,4-Dinitrotoluene	165	7.157	7.163	-0.006	81	43899	1.00	0.9634	
70 Dibenzofuran	168	7.163	7.169	-0.006	95	203208	1.00	0.9626	
72 2,3,4,6-Tetrachlorophenol	232	7.292	7.298	-0.006	87	32298	1.00	0.9108	
73 Diethyl phthalate	149	7.392	7.404	-0.012	98	152762	1.00	0.9182	
75 Fluorene	166	7.486	7.486	0.000	93	149938	1.00	0.9254	
74 4-Chlorophenyl phenyl ethe	204	7.492	7.492	0.000	85	72419	1.00	0.9677	
76 4-Nitroaniline	138	7.516	7.528	-0.012	84	35171	1.00	0.9514	
77 4,6-Dinitro-2-methylphenol	198	7.539	7.551	-0.012	84	31196	2.00	2.08	
78 N-Nitrosodiphenylamine	169	7.604	7.610	-0.006	73	113049	1.00	0.9543	
79 1,2-Diphenylhydrazine	77	7.639	7.645	-0.006	99	146315	1.00	0.9076	
$ 80 2,4,6-Tribromophenol	330	7.716	7.722	-0.006	89	18439	1.00	0.9640	
81 4-Bromophenyl phenyl ether	248	7.945	7.951	-0.006	83	38145	1.00	0.9360	
82 Hexachlorobenzene	284	8.004	8.010	-0.006	98	38913	1.00	0.9125	
84 Pentachlorophenol	266	8.198	8.204	-0.006	90	35684	2.00	1.53	
85 Pentachloronitrobenzene	237	8.204	8.210	-0.006	85	14650	1.00	0.7915	
86 n-Octadecane	57	8.292	8.292	0.000	91	77340	1.00	0.8918	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	1547523	8.00	8.00	
88 Phenanthrene	178	8.380	8.386	-0.006	97	210943	1.00	0.9523	
89 Anthracene	178	8.427	8.433	-0.006	99	207963	1.00	0.9178	
90 Carbazole	167	8.592	8.598	-0.006	96	183885	1.00	0.9425	
91 Di-n-butyl phthalate	149	8.933	8.939	-0.006	99	187089	1.00	0.8145	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.498	9.504	-0.006	98	186602	1.00	0.9158	
93 Benzidine	184	9.639	9.639	0.000	99	98638	1.00	0.8095	
94 Pyrene	202	9.710	9.710	0.000	98	198846	1.00	0.9827	
95 Bisphenol-A	213	9.822	9.798	0.024	95	65315	1.00	0.8230	M
$ 96 Terphenyl-d14	244	9.869	9.869	0.000	98	134206	1.00	0.9672	
97 Butyl benzyl phthalate	149	10.345	10.351	-0.006	97	68386	1.00	0.8006	
99 Carbamazepine	193	10.445	10.451	-0.006	92	59332	1.00	0.7547	
100 3,3'-Dichlorobenzidine	252	10.886	10.886	0.000	98	49843	1.00	0.8565	
101 Benzo[a]anthracene	228	10.892	10.898	-0.006	99	163008	1.00	0.9585	
* 102 Chrysene-d12	240	10.904	10.910	-0.006	99	1009887	8.00	8.00	
104 Chrysene	228	10.933	10.939	-0.006	98	150046	1.00	0.9736	
103 Bis(2-ethylhexyl) phthalat	149	10.968	10.969	-0.001	86	98008	1.00	0.8738	
105 Di-n-octyl phthalate	149	11.733	11.739	-0.006	96	178774	1.00	0.9132	
106 Benzo[b]fluoranthene	252	12.157	12.163	-0.006	98	140222	1.00	0.9768	
107 Benzo[k]fluoranthene	252	12.192	12.198	-0.006	99	147509	1.00	1.00	
108 Benzo[a]pyrene	252	12.568	12.580	-0.012	97	126391	1.00	0.9570	
* 109 Perylene-d12	264	12.651	12.657	-0.006	99	947881	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.080	14.092	-0.012	99	138895	1.00	0.8617	
111 Dibenz(a,h)anthracene	278	14.115	14.127	-0.012	96	137737	1.00	0.8768	
112 Benzo[g,h,i]perylene	276	14.439	14.462	-0.023	98	144947	1.00	0.8507	
S 119 Total Cresols	1				0			1.97	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL3_00036 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:38:27 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600897.D

Injection Date: 19-Apr-2019 15:21:30 Instrument ID: CBNAMS16 Operator ID:

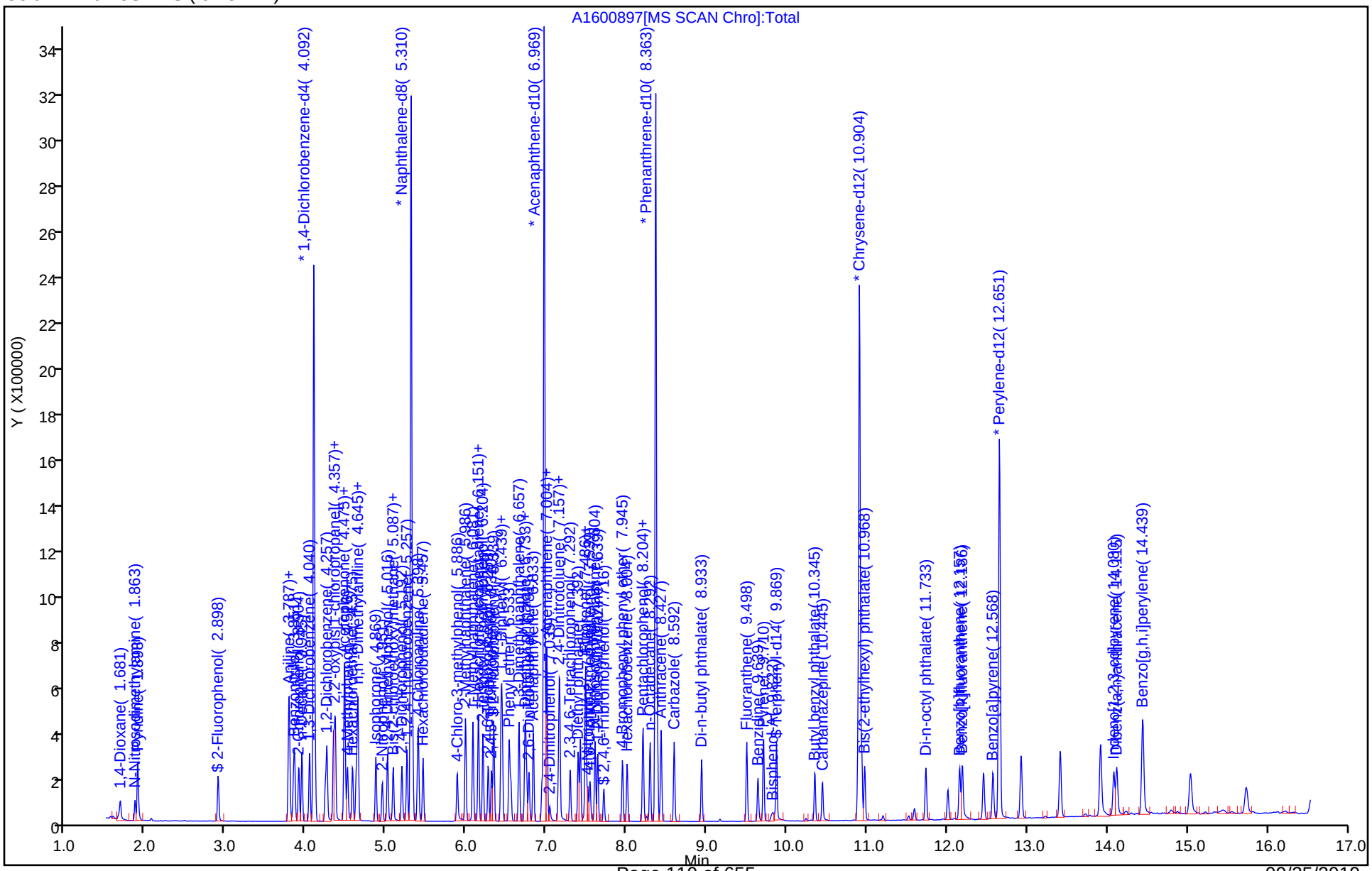
Lims ID: STD1 Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600898.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Apr-2019 15:42:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-008
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:38:34 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: xuyvo Date: 20-Apr-2019 13:14:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.899	2.910	-0.011	94	16911	0.2000	0.2051	
$ 6 Phenol-d5	99	3.775	3.787	-0.012	0	19585	0.2000	0.2058	
9 Bis(2-chloroethyl)ether	93	3.840	3.846	-0.006	97	15815	0.2000	0.2075	
* 14 1,4-Dichlorobenzene-d4	152	4.093	4.098	-0.005	97	496718	8.00	8.00	
20 N-Methylaniline	106	4.475	4.481	-0.006	95	23588	0.2000	0.2021	
22 N-Nitrosodi-n-propylamine	70	4.481	4.493	-0.012	95	10547	0.2000	0.1957	
25 Hexachloroethane	117	4.575	4.581	-0.006	90	6386	0.2000	0.1772	
$ 27 Nitrobenzene-d5	82	4.622	4.628	-0.006	87	18522	0.2000	0.2068	
29 n,n'-Dimethylaniline	120	4.646	4.651	-0.005	87	26448	0.2000	0.2019	
28 Nitrobenzene	123	4.640	4.651	-0.011	90	7615	0.2000	0.1871	
30 Isophorone	82	4.869	4.881	-0.012	99	26465	0.2000	0.1762	
37 1,2,4-Trichlorobenzene	180	5.257	5.263	-0.006	94	15292	0.2000	0.1951	
* 38 Naphthalene-d8	136	5.310	5.310	0.000	99	2031093	8.00	8.00	
41 Hexachlorobutadiene	225	5.457	5.463	-0.006	90	7990	0.2000	0.1915	
44 2-Methylnaphthalene	142	5.987	5.992	-0.005	83	32943	0.2000	0.1916	
45 1-Methylnaphthalene	142	6.081	6.087	-0.006	90	30469	0.2000	0.1904	
48 2-tertbutyl-4-methylphenol	149	6.204	6.210	-0.006	87	18460	0.2000	0.1700	
49 2,4,6-Trichlorophenol	196	6.275	6.275	0.000	85	7828	0.2000	0.1641	
$ 51 2-Fluorobiphenyl	172	6.340	6.345	-0.005	96	36835	0.2000	0.1961	
61 2,6-Dinitrotoluene	165	6.781	6.787	-0.005	90	5562	0.2000	0.1553	
* 64 Acenaphthene-d10	164	6.969	6.975	-0.006	94	1008007	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.163	7.163	0.000	71	6643	0.2000	0.1430	a
$ 80 2,4,6-Tribromophenol	330	7.716	7.722	-0.006	86	3453	0.2000	0.1770	
82 Hexachlorobenzene	284	8.004	8.010	-0.006	96	8675	0.2000	0.1979	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	1590930	8.00	8.00	
$ 96 Terphenyl-d14	244	9.869	9.869	0.000	99	26853	0.2000	0.1974	
100 3,3'-Dichlorobenzidine	252	10.886	10.886	0.000	97	8304	0.2000	0.1456	a
101 Benzo[a]anthracene	228	10.892	10.898	-0.006	97	33588	0.2000	0.2015	
* 102 Chrysene-d12	240	10.904	10.910	-0.006	99	989890	8.00	8.00	
104 Chrysene	228	10.933	10.939	-0.006	99	29382	0.2000	0.1945	
103 Bis(2-ethylhexyl) phthalat	149	10.969	10.969	0.000	87	15892	0.2000	0.1445	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Benzo[b]fluoranthene	252	12.157	12.163	-0.006	97	24932	0.2000	0.1755	
107 Benzo[k]fluoranthene	252	12.192	12.198	-0.006	98	27126	0.2000	0.1867	
108 Benzo[a]pyrene	252	12.575	12.580	-0.006	96	22834	0.2000	0.1747	
* 109 Perylene-d12	264	12.651	12.657	-0.006	98	938229	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.080	14.092	-0.012	97	27257	0.2000	0.1708	
111 Dibenz(a,h)anthracene	278	14.116	14.127	-0.011	96	27264	0.2000	0.1753	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SM_BNAL2_00031 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:38:35 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600898.D

Injection Date: 19-Apr-2019 15:42:30 Instrument ID: CBNAMS16 Operator ID:

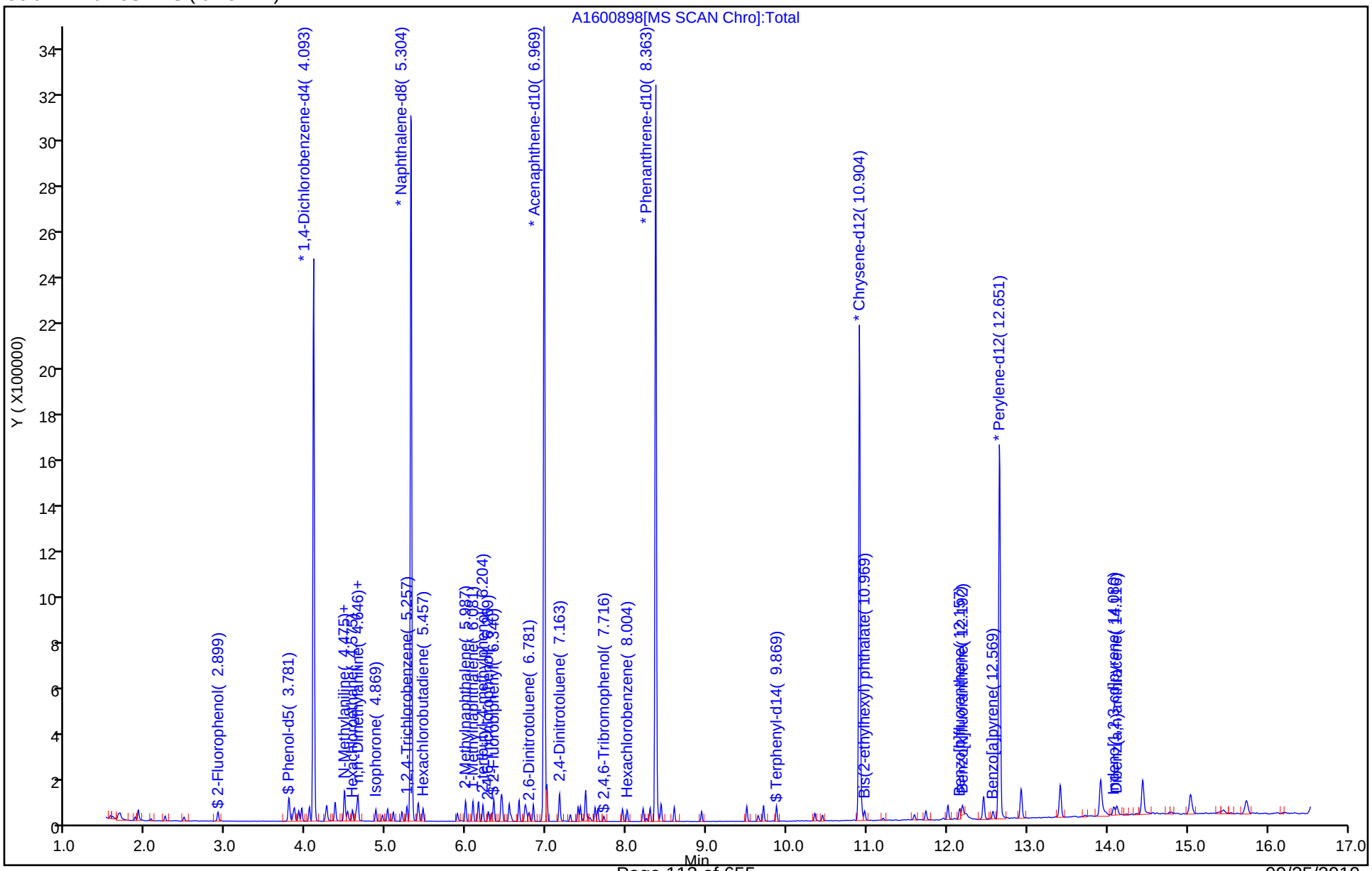
Lims ID: STD02 Worklist Smp#: 8

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600899.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Apr-2019 16:03:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-009
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:38:38 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: xuyvo Date: 20-Apr-2019 13:14:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	3.840	3.846	-0.006	96	8510	0.1000	0.1056	
* 14 1,4-Dichlorobenzene-d4	152	4.092	4.098	-0.006	97	525244	8.00	8.00	
20 N-Methylaniline	106	4.475	4.481	-0.006	97	11090	0.1000	0.0899	
22 N-Nitrosodi-n-propylamine	70	4.487	4.493	-0.006	85	5074	0.1000	0.0891	
25 Hexachloroethane	117	4.575	4.581	-0.006	87	3839	0.1000	0.1007	
$ 27 Nitrobenzene-d5	82	4.628	4.628	0.000	88	9485	0.1000	0.1009	
28 Nitrobenzene	123	4.645	4.651	-0.006	85	3554	0.1000	0.0826	
29 n,n'-Dimethylaniline	120	4.645	4.651	-0.006	84	14283	0.1000	0.1031	
37 1,2,4-Trichlorobenzene	180	5.257	5.263	-0.006	93	7807	0.1000	0.0949	
* 38 Naphthalene-d8	136	5.310	5.310	0.000	99	2131434	8.00	8.00	
41 Hexachlorobutadiene	225	5.457	5.463	-0.006	85	3865	0.1000	0.0883	
$ 51 2-Fluorobiphenyl	172	6.339	6.345	-0.006	99	21031	0.1000	0.1085	
* 64 Acenaphthene-d10	164	6.969	6.975	-0.006	95	1040400	8.00	8.00	
82 Hexachlorobenzene	284	8.004	8.010	-0.006	92	4544	0.1000	0.1018	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	1619750	8.00	8.00	
$ 96 Terphenyl-d14	244	9.869	9.869	0.000	99	14008	0.1000	0.1020	
101 Benzo[a]anthracene	228	10.898	10.898	0.000	97	17800	0.1000	0.1058	
* 102 Chrysene-d12	240	10.904	10.910	-0.006	99	999328	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.157	12.163	-0.006	97	13612	0.1000	0.0955	
107 Benzo[k]fluoranthene	252	12.192	12.198	-0.006	97	13468	0.1000	0.0924	
108 Benzo[a]pyrene	252	12.568	12.580	-0.012	96	11022	0.1000	0.0840	
* 109 Perylene-d12	264	12.651	12.657	-0.006	98	941234	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.080	14.092	-0.012	97	14090	0.1000	0.0880	M
111 Dibenz(a,h)anthracene	278	14.121	14.127	-0.006	94	13954	0.1000	0.0895	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL1_00029 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:38:39 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600899.D

Injection Date: 19-Apr-2019 16:03:30 Instrument ID: CBNAMS16 Operator ID:

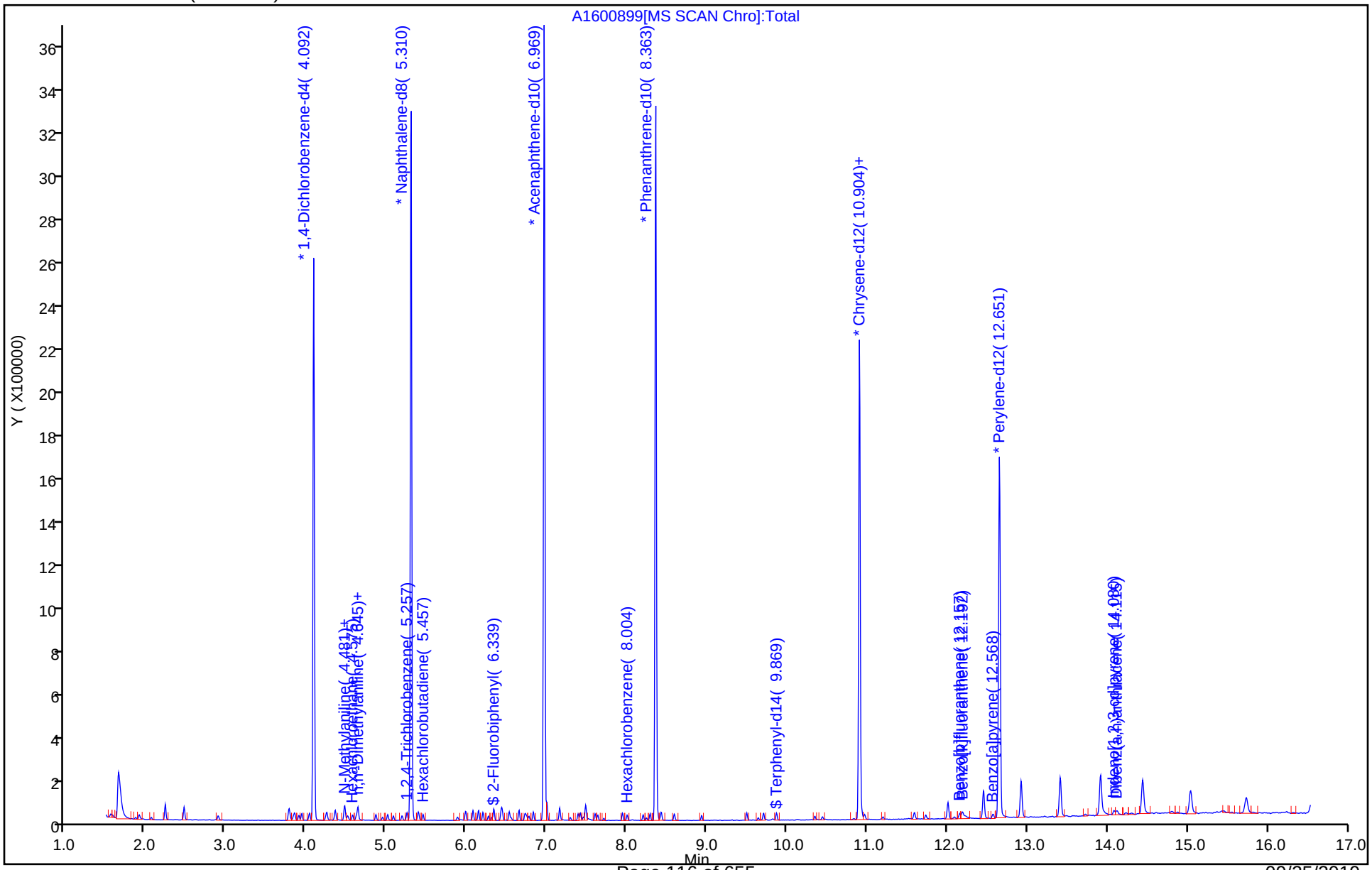
Lims ID: STD01 Worklist Smp#: 9

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8270LVI_16 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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-634654/10	X272088.d
Level 2	STD1 460-634654/9	X272087.d
Level 3	STD2 460-634654/8	X272086.d
Level 4	STD5 460-634654/7	X272085.d
Level 5	STD10 460-634654/6	X272084.d
Level 6	STD20 460-634654/5	X272083.d
Level 7	ICIS 460-634654/2	X272080.d
Level 8	STD80 460-634654/4	X272082.d
Level 9	STD120 460-634654/3	X272081.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	0.3750 0.4430	0.3858 0.4313	0.4195 0.4358	0.4194 0.4404	0.4591	Ave		0.4233				6.4		20.0			
N-Nitrosodimethylamine	0.7085	0.6770	0.7094	0.6615 0.6941	0.6951	Ave		0.6909				2.7		20.0			
Pyridine	1.0480	1.0248	1.1052	1.0097 1.0999	1.0486	Ave		1.0561				3.7		20.0			
Phenol	1.5491	1.5819	1.6144	1.4593 1.5787	1.5188	Ave		1.5504			0.8000	3.6		20.0			
Aniline	1.8797	1.7814	1.8750	1.7652 1.8403	1.8553	Ave		1.8328				2.6		20.0			
Bis(2-chloroethyl)ether	1.0884 1.1410	1.1279 1.0968	1.0578 1.1199	1.1100 1.1083	1.1275	Ave		1.1086			0.7000	2.3		20.0			
2-Chlorophenol	1.4151	1.3393	1.3939	1.3060 1.3386	1.4219	Ave		1.3691			0.8000	3.5		20.0			
n-Decane	1.2373	1.2120	1.2179	1.1844 1.2038	1.2279	Ave		1.2139				1.5		20.0			
1,3-Dichlorobenzene	1.5945	1.4724	1.5516	1.5291 1.5073	1.5934	Ave		1.5414				3.1		20.0			
1,4-Dichlorobenzene	1.5830	1.5050	1.5719	1.5680 1.4959	1.6273	Ave		1.5585				3.2		20.0			
Benzyl alcohol	0.8515	0.8063	0.8449	0.7808 0.8164	0.8329	Ave		0.8221				3.2		20.0			
1,2-Dichlorobenzene	1.5444	1.4138	1.4911	1.4334 1.4309	1.5141	Ave		1.4713				3.6		20.0			
2-Methylphenol	1.1387	1.0864	1.1396	1.1201 1.1106	1.1460	Ave		1.1236			0.7000	2.0		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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.5339	1.5492	1.5485	1.5124 1.5276	1.5350	Ave		1.5344			0.0100	0.9		20.0			
N-Methylaniline	1.8162	1.8023	1.8164	1.7245 1.7877	1.7844	Ave		1.7886				1.9		20.0			
N-Nitrosodi-n-propylamine	0.6739 0.8422	0.7258 0.8226	0.7466 0.8502	0.8091 0.8163	0.8238	Ave		0.7901			0.5000	7.6		20.0			
3 & 4 Methylphenol	1.2927	1.2165	1.2524	1.2325 1.2086	1.2921	Ave		1.2491				2.9		20.0			
4-Methylphenol	1.2927	1.2165	1.2524	1.2325 1.2086	1.2921	Ave		1.2491			0.6000	2.9		20.0			
Acetophenone	1.7515	1.6756	1.6722	1.7066 1.5964	1.7777	Ave		1.6967			0.0100	3.8		20.0			
Hexachloroethane	0.5047 0.5518	0.4804 0.5354	0.5082 0.5557	0.5154 0.5372	0.5488	Ave		0.5264			0.3000	4.9		20.0			
Nitrobenzene	0.5047 0.6303	0.5322 0.6037	0.5729 0.6122	0.5952 0.5815	0.6312	Ave		0.5849			0.2000	7.3		20.0			
n,n'-Dimethylaniline	1.9878 1.9546	1.9823 1.9378	1.9571 1.9267	1.9124 1.8594	1.9123	Ave		1.9367				2.1		20.0			
Isophorone	0.5856	0.5765	0.5342 0.5742	0.5534 0.5703	0.5821	Ave		0.5680			0.4000	3.2		20.0			
2-Nitrophenol	0.1990	0.1933	0.1976	0.1830 0.1895	0.1956	Ave		0.1930			0.1000	3.1		20.0			
2,4-Dimethylphenol	0.3113	0.3004	0.3060	0.2933 0.2979	0.3069	Ave		0.3026			0.2000	2.2		20.0			
Bis(2-chloroethoxy)methane	0.3814	0.3728	0.3657	0.3667 0.3660	0.3783	Ave		0.3718			0.3000	1.8		20.0			
Benzoic acid	0.2185	0.2197	0.2345	0.1172 0.2335	0.1801	Lin2	-0.605	0.2400			0.0100				0.9990		0.9900
2,4-Dichlorophenol	0.3209	0.3088	0.2786 0.3155	0.2911 0.3111	0.3142	Ave		0.3057			0.2000	5.0		20.0			
1,2,4-Trichlorobenzene	0.3343 0.3651	0.3383 0.3573	0.3496 0.3534	0.3568 0.3470	0.3668	Ave		0.3521				3.1		20.0			
Naphthalene	1.0419	0.9951	0.9908	1.0283 0.9717	1.0638	Ave		1.0153			0.7000	3.5		20.0			
4-Chloroaniline	0.4411	0.4206	0.4319	0.4282 0.4068	0.4440	Ave		0.4288			0.0100	3.2		20.0			
Hexachlorobutadiene	0.2244	0.2121 0.2209	0.2215 0.2197	0.2194 0.2148	0.2252	Ave		0.2197			0.0100	2.0		20.0			
4-Chloro-3-methylphenol	0.2740	0.2732	0.2733	0.2629 0.2632	0.2689	Ave		0.2692			0.2000	1.9		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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylnaphthalene	0.7168	0.6939	0.6893	0.6879 0.6584	0.7202	Ave		0.6944			0.4000	3.2		20.0			
1-Methylnaphthalene	0.6713	0.6503	0.6420	0.6583 0.6170	0.6737	Ave		0.6521				3.2		20.0			
Hexachlorocyclopentadiene	0.4946	0.5137	0.5112	0.4680 0.5120	0.4845	Ave		0.4973			0.0500	3.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.7528	0.7081	0.6765	0.7087 0.6507	0.7264	Ave		0.7038			0.0100	5.1		20.0			
2-tertbutyl-4-methylphenol	0.4504	0.4601	0.4459	0.4384 0.4420	0.4387	Ave		0.4459				1.9		20.0			
2,4,6-Trichlorophenol	0.4759	0.4780	0.4257 0.4805	0.4858 0.4443	0.4819	Ave		0.4674			0.2000	4.9		20.0			
2,4,5-Trichlorophenol	0.5120	0.4878	0.4948	0.4823 0.4753	0.5043	Ave		0.4928			0.2000	2.8		20.0			
1,1'-Biphenyl	1.6376	1.5482	1.5118	1.6138 1.4566	1.6317	Ave		1.5666			0.0100	4.7		20.0			
2-Chloronaphthalene	1.2586	1.2187	1.2134	1.2552 1.1493	1.2672	Ave		1.2271			0.8000	3.6		20.0			
Phenyl ether	0.8356	0.8289	0.8263	0.8093 0.8031	0.8261	Ave		0.8216				1.5		20.0			
2-Nitroaniline	0.3588	0.3450	0.3508	0.3346 0.3363	0.3622	Ave		0.3479			0.0100	3.3		20.0			
1,3-Dimethylnaphthalene	0.9942	0.9849	0.9607	0.9589 0.9199	0.9699	Ave		0.9647				2.7		20.0			
Dimethyl phthalate	1.4711	1.3659	1.3697	1.3997 1.2884	1.5064	Ave		1.4002			0.0100	5.6		20.0			
Coumarin	0.2477	0.2418	0.2385	0.2467 0.2420	0.2507	Ave		0.2445				1.8		20.0			
2,6-Dinitrotoluene	0.3295	0.2558 0.3154	0.2700 0.3185	0.3105 0.3000	0.3234	Ave		0.3029			0.2000	8.7		20.0			
Acenaphthylene	1.9332	1.8036	1.8670	1.8346 1.7825	1.9157	Ave		1.8561			0.9000	3.3		20.0			
3-Nitroaniline	0.3598	0.3308	0.3343	0.3292 0.3177	0.3590	Ave		0.3385			0.0100	5.1		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.1155	1.2062	1.0702	1.0965 1.0405	1.1111	Ave		1.1067				5.1		20.0			
Acenaphthene	1.3458	1.2907	1.1710	1.2746 1.0468	1.3442	Ave		1.2455			0.9000	9.3		20.0			
2,4-Dinitrophenol	0.2194	0.2125	0.0997 0.2303	0.1635 0.2252	0.1977	Lin2	-0.520	0.2257			0.0100				0.9990		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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

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								
4-Nitrophenol	0.2186	0.2085	0.2176	0.2052 0.2031	0.2159	Ave		0.2115			0.0100	3.2		20.0			
2,4-Dinitrotoluene	0.4544	0.3286 0.4238	0.3961 0.4296	0.4163 0.4086	0.4409	Ave		0.4123			0.2000	9.3		20.0			
Dibenzofuran	1.8050	1.6891	1.7051	1.7765 1.6104	1.8260	Ave		1.7353			0.8000	4.7		20.0			
2,3,4,6-Tetrachlorophenol	0.4488	0.4310	0.4391	0.4195 0.4141	0.4331	Ave		0.4309			0.0100	2.9		20.0			
Diethyl phthalate	1.5532	1.3682	1.3637	1.3944 1.2994	1.4830	Ave		1.4103			0.0100	6.5		20.0			
4-Chlorophenyl phenyl ether	0.7481	0.7026	0.6730	0.7244 0.6311	0.7693	Ave		0.7081			0.4000	7.1		20.0			
Fluorene	1.4391	1.3422	1.3362	1.3775 1.2593	1.4268	Ave		1.3635			0.9000	4.9		20.0			
4-Nitroaniline	0.3751	0.3424	0.3590	0.3546 0.3399	0.3808	Ave		0.3586			0.0100	4.7		20.0			
4,6-Dinitro-2-methylphenol	0.1415	0.1300	0.0894 0.1468	0.1129 0.1496	0.1340	Lin2	-0.228	0.1437			0.0100				0.9970		0.9900
N-Nitrosodiphenylamine	0.5673	0.5298	0.5365	0.5459 0.5271	0.5697	Ave		0.5461			0.0100	3.4		20.0			
1,2-Diphenylhydrazine	0.6087	0.5878	0.6020	0.5887 0.6133	0.6248	Ave		0.6042				2.4		20.0			
4-Bromophenyl phenyl ether	0.2802	0.2672	0.2700	0.2648 0.2640	0.2775	Ave		0.2706			0.1000	2.5		20.0			
Hexachlorobenzene	0.3242 0.3493	0.3491 0.3316	0.3383 0.3454	0.3265 0.3383	0.3464	Ave		0.3388			0.1000	2.8		20.0			
Pentachlorophenol	0.2109	0.1972	0.1575 0.2092	0.1847 0.2034	0.2010	Ave		0.1948			0.0500	9.5		20.0			
Pentachloronitrobenzene	0.1194	0.1189	0.1188	0.1060 0.1183	0.1177	Ave		0.1165			0.0100	4.4		20.0			
n-Octadecane	0.3707	0.3825	0.3726	0.3489 0.3666	0.3625	Ave		0.3673				3.1		20.0			
Phenanthrene	1.1678	1.0579	1.0850	1.1376 1.0535	1.1850	Ave		1.1144			0.7000	5.1		20.0			
Anthracene	1.1854	1.1101	1.1049	1.1430 1.0853	1.2018	Ave		1.1384			0.7000	4.1		20.0			
Carbazole	1.0228	0.9521	0.9823	0.9866 0.9524	1.0449	Ave		0.9902			0.0100	3.8		20.0			
Di-n-butyl phthalate	1.2608	1.2185	1.1973	1.1705 1.1509	1.2650	Ave		1.2105			0.0100	3.9		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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

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								
Fluoranthene	1.3335	1.2047	1.2362	1.2755 1.2078	1.3369	Ave		1.2658			0.6000	4.7		20.0			
Benzidine	0.7985	0.7818	0.8086	0.7415 0.8023	0.7483	Ave		0.7802				3.7		20.0			
Pyrene	1.3141	1.2113	1.2139	1.2389 1.1869	1.3665	Ave		1.2552			0.6000	5.6		20.0			
Bisphenol-A	0.6224	0.6429	0.6204	0.5406 0.5962	0.5974	Ave		0.6033				5.9		20.0			
Butyl benzyl phthalate	0.5103	0.4946	0.4981	0.4612 0.4803	0.5108	Ave		0.4925			0.0100	3.9		20.0			
2,3,7,8-TCDD		0.2230				Ave		0.2230						20.0			
Carbamazepine	0.4967	0.4556	0.5003	0.4074 0.5004	0.4763	Ave		0.4728				7.7		20.0			
3,3'-Dichlorobenzidine	0.5488	0.5098	0.4566 0.5378	0.4802 0.5211	0.5303	Ave		0.5121			0.0100	6.4		20.0			
Benzo[a]anthracene	1.3899 1.2903	1.2871 1.2373	1.1602 1.1896	1.2454 1.1359	1.3422	Ave		1.2531			0.8000	6.7		20.0			
Chrysene	1.2051	1.1051	1.1017	1.1748 1.0050	1.2030	Ave		1.1325			0.7000	6.8		20.0			
Bis(2-ethylhexyl) phthalate	0.7390	0.7394	0.7355	0.6644 0.7044	0.7497	Ave		0.7221			0.0100	4.5		20.0			
Di-n-octyl phthalate	1.0619	1.0954	1.0662	0.9019 1.0224	1.0529	Ave		1.0334			0.0100	6.6		20.0			
Benzo[b]fluoranthene	1.0803 1.2206	1.1136 1.1570	1.0915 1.1778	1.1042 1.2288	1.1946	Ave		1.1520			0.7000	4.9		20.0			
Benzo[k]fluoranthene	1.1046 1.2295	1.0977 1.1710	1.1322 1.1882	1.1976 1.0418	1.3510	Ave		1.1682			0.7000	7.7		20.0			
Benzo[a]pyrene	0.9795 1.1523	1.0187 1.0750	1.0177 1.1032	1.0531 1.0700	1.1786	Ave		1.0720			0.7000	6.0		20.0			
Indeno[1,2,3-cd]pyrene	1.1046 1.3121	1.1263 1.2584	1.1070 1.3011	1.1180 1.2676	1.2931	Ave		1.2098			0.5000	7.6		20.0			
Dibenz(a,h)anthracene	1.0648 1.2515	1.0572 1.2052	1.0838 1.2261	1.1522 1.1867	1.2590	Ave		1.1652			0.4000	6.8		20.0			
Benzo[g,h,i]perylene	1.2727	1.1946	1.2306	1.1491 1.1992	1.2841	Ave		1.2217			0.5000	4.2		20.0			
2-Fluorophenol (Surr)	1.2357	1.2757 1.2110	1.2097 1.2894	1.1953 1.2451	1.2389	Ave		1.2376				2.6		20.0			
Phenol-d5 (Surr)	1.4485	1.5861 1.4371	1.3908 1.5336	1.4190 1.4715	1.4477	Ave		1.4668				4.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

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								
Nitrobenzene-d5 (Surr)	0.3559 0.3298	0.3133 0.3235	0.3051 0.3358	0.3174 0.3298	0.3286	Ave		0.3266				4.5		20.0			
2-Fluorobiphenyl	1.7344 1.4886	1.6577 1.4661	1.4959 1.5026	1.5368 1.4342	1.5194	Ave		1.5373				6.3		20.0			
2,4,6-Tribromophenol (Surr)	 0.3908	0.3614 0.3920	0.3443 0.4157	0.3715 0.4008	0.3924	Ave		0.3836				6.0		20.0			
Terphenyl-d14 (Surr)	1.0608 1.0467	1.0370 0.9565	1.0774 1.0606	1.0469 1.0268	1.1170	Ave		1.0477				4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-634654/10	X272088.d
Level 2	STD1 460-634654/9	X272087.d
Level 3	STD2 460-634654/8	X272086.d
Level 4	STD5 460-634654/7	X272085.d
Level 5	STD10 460-634654/6	X272084.d
Level 6	STD20 460-634654/5	X272083.d
Level 7	ICIS 460-634654/2	X272080.d
Level 8	STD80 460-634654/4	X272082.d
Level 9	STD120 460-634654/3	X272081.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 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave	133 6125	261 14960	577 23871	1455 37206	2932	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd 4	Ave	9796	23481	38855	2295 58638	4439	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCBd 4	Ave	28981	71090	121068	7006 185855	13394	40.0	100	160	10.0 240	20.0
Phenol	DCBd 4	Ave	21419	54865	88420	5063 133374	9700	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCBd 4	Ave	25989	61785	102695	6124 155478	11849	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	386 15776	763 38041	1455 61335	3851 93632	7201	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd 4	Ave	19566	46452	76346	4531 113091	9081	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCBd 4	Ave	17108	42037	66702	4109 101703	7842	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	22047	51070	84981	5305 127347	10176	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	21888	52198	86092	5440 126380	10393	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCBd 4	Ave	11773	27965	46275	2709 68975	5319	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	21354	49037	81669	4973 120892	9670	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCBd 4	Ave	15744	37682	62415	3886 93829	7319	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	21209	53731	84814	5247 129057	9803	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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

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
N-Methylaniline	DCBd 4	Ave	 25112	 62511	 99484	5983 151033	11396	 20.0	 50.0	 80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	239 11644	491 28531	1027 46568	2807 68967	5261	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
3 & 4 Methylphenol	DCBd 4	Ave	 17873	 42194	 68594	4276 102112	8252	 20.0	 50.0	 80.0	5.00 120	10.0
4-Methylphenol	DCBd 4	Ave	 17873	 42194	 68594	4276 102112	8252	 20.0	 50.0	 80.0	5.00 120	10.0
Acetophenone	DCBd 4	Ave	 24217	 58115	 91589	5921 134875	11353	 20.0	 50.0	 80.0	5.00 120	10.0
Hexachloroethane	DCBd 4	Ave	179 7629	325 18569	699 30438	1788 45386	3505	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	DCBd 4	Ave	179 8715	360 20940	788 33530	2065 49128	4031	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd 4	Ave	705 27025	1341 67210	2692 105525	6635 157095	12213	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	 29857	 73283	2740 118872	7060 176823	13560	 20.0	 50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	 10146	 24576	 40904	2334 58756	4557	 20.0	 50.0	 80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	 15874	 38187	 63333	3742 92369	7150	 20.0	 50.0	 80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	 19447	 47382	 75696	4678 113474	8813	 20.0	 50.0	 80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	 11140	 27923	 48534	1495 72400	4195	 20.0	 50.0	 80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	 16360	 39255	1429 65300	3714 96453	7320	 20.0	 50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	448 18616	839 45419	1793 73150	4552 107578	8544	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	 53127	 126488	 205104	13118 301280	24782	 20.0	 50.0	 80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	 22491	 53467	 89406	5463 126132	10344	 20.0	 50.0	 80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	 11440	526 28084	1136 45484	2799 66601	5245	 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	 13970	 34729	 56577	3354 81597	6263	 20.0	 50.0	 80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	 36551	 88204	 142693	8776 204130	16778	 20.0	 50.0	 80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	 34231	 82654	 132892	8398 191300	15694	 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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

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
Hexachlorocyclopentadiene	ANT	Ave	13385	35295	56533	3182 86088	5953	20.0	50.0	80.0	5.00 120	10.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	20371	48649	74818	4818 109417	8925	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	22963	58481	92295	5593 137035	10219	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	12878	32845	1151 53138	3303 74708	5921	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	13856	33515	54724	3279 79931	6196	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	44316	106370	167204	10972 244937	20048	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	34060	83732	134198	8534 193254	15570	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	22614	56953	91387	5502 135051	10150	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	9709	23706	38798	2275 56547	4450	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	26906	67668	106251	6519 154681	11917	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	39812	93850	151481	9516 216652	18509	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	12629	30729	49380	3147 75021	5839	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	8917	327 21673	730 35226	2111 50447	3974	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	52317	123919	206481	12473 299739	23538	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	9736	22727	36973	2238 53430	4411	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	30187	82872	118361	7455 174960	13652	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	36420	88682	129511	8666 176026	16516	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	11875	29196	539 50930	2223 75742	4858	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	11832	28654	48139	2790 68297	5306	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	12296	420 29115	1071 47508	2830 68707	5417	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	48847	116051	188572	12078 270791	22435	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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

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
2,3,4,6-Tetrachlorophenol	ANT	Ave				2852	5322				5.00	10.0
			12145	29612	48567	69627		20.0	50.0	80.0	120	
Diethyl phthalate	ANT	Ave				9480	18221				5.00	10.0
			42033	94009	150821	218506		20.0	50.0	80.0	120	
4-Chlorophenyl phenyl ether	ANT	Ave				4925	9452				5.00	10.0
			20246	48271	74429	106127		20.0	50.0	80.0	120	
Fluorene	ANT	Ave				9365	17531				5.00	10.0
			38945	92220	147775	211760		20.0	50.0	80.0	120	
4-Nitroaniline	ANT	Ave				2411	4679				5.00	10.0
			10150	23524	39708	57153		20.0	50.0	80.0	120	
4,6-Dinitro-2-methylphenol	PHN	Lin2			914	2902	6232			4.00	10.0	20.0
			14416	33671	60817	91179		40.0	100	160	240	
N-Nitrosodiphenylamine	PHN	Ave				7019	13243				5.00	10.0
			28909	68594	111098	160582		20.0	50.0	80.0	120	
1,2-Diphenylhydrazine	PHN	Ave				7568	14526				5.00	10.0
			31015	76102	124672	186857		20.0	50.0	80.0	120	
4-Bromophenyl phenyl ether	PHN	Ave				3405	6450				5.00	10.0
			14279	34589	55905	80423		20.0	50.0	80.0	120	
Hexachlorobenzene	PHN	Ave	431	830	1730	4198	8053	0.500	1.00	2.00	5.00	10.0
			17798	42936	71517	103071		20.0	50.0	80.0	120	
Pentachlorophenol	PHN	Ave			1611	4749	9346			4.00	10.0	20.0
			21490	51071	86654	123911		40.0	100	160	240	
Pentachloronitrobenzene	PHN	Ave				1363	2737				5.00	10.0
			6082	15394	24609	36032		20.0	50.0	80.0	120	
n-Octadecane	PHN	Ave				4485	8427				5.00	10.0
			18887	49521	77163	111699		20.0	50.0	80.0	120	
Phenanthrene	PHN	Ave				14625	27547				5.00	10.0
			59503	136958	224677	320974		20.0	50.0	80.0	120	
Anthracene	PHN	Ave				14695	27938				5.00	10.0
			60403	143722	228809	330655		20.0	50.0	80.0	120	
Carbazole	PHN	Ave				12684	24291				5.00	10.0
			52116	123255	203413	290178		20.0	50.0	80.0	120	
Di-n-butyl phthalate	PHN	Ave				15048	29408				5.00	10.0
			64246	157754	247942	350644		20.0	50.0	80.0	120	
Fluoranthene	PHN	Ave				16398	31080				5.00	10.0
			67949	155965	255991	367984		20.0	50.0	80.0	120	
Benzidine	PHN	Ave				9533	17397				5.00	10.0
			40686	101220	167447	244432		20.0	50.0	80.0	120	
Pyrene	CRY	Ave				16750	32680				5.00	10.0
			70149	161318	264143	380288		20.0	50.0	80.0	120	
Bisphenol-A	CRY	Ave				7309	14288				5.00	10.0
			33228	85628	135000	191022		20.0	50.0	80.0	120	

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

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
Butyl benzyl phthalate	CRY	Ave	27241	65876	108377	6236 153880	12216	20.0	50.0	80.0	5.00 120	10.0
2,3,7,8-TCDD	CRY	Ave		297					0.500			
Carbamazepine	CRY	Ave	26518	60682	108873	5508 160338	11392	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	29299	67901	2498 117020	6492 166958	12683	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	1951 68881	3159 164790	6348 258857	16839 363951	32100	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	64331	147178	239727	15884 322029	28769	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	39449	98468	160043	8983 225712	17930	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	67540	169118	276597	14486 396544	29498	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	1823 77636	3241 178632	6979 305547	17735 476597	33466	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	1864 78200	3195 180779	7239 308263	19236 404095	37847	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	1653 73290	2965 165971	6507 286194	16914 415028	33018	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	1864 83452	3278 194284	7078 337551	17957 491650	36225	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	1797 79598	3077 186063	6930 318079	18507 460286	35270	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	80949	184425	319246	18456 465120	35973	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd 4	Ave	17086	863 42002	1664 70620	4147 105192	7912	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCBd 4	Ave	20027	1073 49845	1913 83993	4923 124319	9246	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	477 16816	777 41124	1565 69518	4049 102250	7655	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	1227 40285	2119 100733	4045 166186	10448 241164	18668	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	10577	462 26932	931 45980	2526 67398	4821	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	1489 55876	2545 127382	5895 230777	14155 328992	26713	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: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 634654

SDG No.:

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

Calibration Start Date: 08/24/2019 08:10 Calibration End Date: 08/24/2019 11:44 Calibration ID: 76287

Curve Type Legend:

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272080.d
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 24-Aug-2019 08:10:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-002
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:48:15 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 08:36:37

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	1.813	1.813	0.000	94	14960	50.0	51.0	
2 N-Nitrosodimethylamine	74	2.043	2.043	0.000	87	23481	50.0	49.0	
3 Pyridine	79	2.078	2.078	0.000	93	71090	100.0	97.0	
$ 4 2-Fluorophenol	112	3.196	3.196	0.000	96	42002	50.0	48.9	
$ 6 Phenol-d5	99	4.084	4.084	0.000	95	49845	50.0	49.0	
7 Phenol	94	4.096	4.096	0.000	98	54865	50.0	51.0	
8 Aniline	93	4.125	4.125	0.000	94	61785	50.0	48.6	
9 Bis(2-chloroethyl)ether	93	4.184	4.184	0.000	94	38041	50.0	49.5	
10 Benzonitrile	103	4.207	4.207	0.000	95	82415	NC	NC	
11 2-Chlorophenol	128	4.243	4.243	0.000	89	46452	50.0	48.9	
12 n-Decane	43	4.290	4.290	0.000	92	42037	50.0	49.9	
13 1,3-Dichlorobenzene	146	4.390	4.390	0.000	96	51070	50.0	47.8	
* 14 1,4-Dichlorobenzene-d4	152	4.443	4.443	0.000	94	27747	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.460	4.460	0.000	95	52198	50.0	48.3	
16 Benzyl alcohol	108	4.566	4.566	0.000	93	27965	50.0	49.0	
17 1,2-Dichlorobenzene	146	4.607	4.607	0.000	90	49037	50.0	48.0	
18 2-Methylphenol	108	4.672	4.672	0.000	88	37682	50.0	48.3	
19 2,2'-oxybis[1-chloropropan	45	4.696	4.696	0.000	85	53731	50.0	50.5	a
20 N-Methylaniline	106	4.813	4.813	0.000	75	62511	50.0	50.4	
24 4-Methylphenol	108	4.819	4.819	0.000	75	42194	50.0	48.7	
23 3 & 4 Methylphenol	108	4.819	4.819	0.000	74	42194	50.0	48.7	
21 Acetophenone	105	4.825	4.825	0.000	86	58115	50.0	49.4	
22 N-Nitrosodi-n-propylamine	70	4.825	4.825	0.000	69	28531	50.0	52.1	
25 Hexachloroethane	117	4.925	4.925	0.000	90	18569	50.0	50.9	
$ 26 Nitrobenzene-d5	82	4.966	4.966	0.000	86	41124	50.0	49.5	
28 Nitrobenzene	123	4.984	4.984	0.000	92	20940	50.0	51.6	
27 n,n'-Dimethylaniline	120	4.990	4.990	0.000	89	67210	50.0	50.0	
31 Isophorone	82	5.213	5.213	0.000	97	73283	50.0	50.7	
32 2-Nitrophenol	139	5.284	5.284	0.000	95	24576	50.0	50.1	
33 2,4-Dimethylphenol	122	5.325	5.325	0.000	81	38187	50.0	49.6	
34 Bis(2-chloroethoxy)methane	93	5.413	5.413	0.000	99	47382	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.437	5.437	0.000	82	27923	50.0	48.3	
36 2,4-Dichlorophenol	162	5.513	5.513	0.000	97	39255	50.0	50.5	
37 1,2,4-Trichlorobenzene	180	5.595	5.595	0.000	94	45419	50.0	50.7	
* 38 Naphthalene-d8	136	5.648	5.648	0.000	97	101687	40.0	40.0	
39 Naphthalene	128	5.672	5.672	0.000	99	126488	50.0	49.0	
40 4-Chloroaniline	127	5.719	5.719	0.000	80	53467	50.0	49.1	
41 Hexachlorobutadiene	225	5.795	5.795	0.000	98	28084	50.0	50.3	
43 4-Chloro-3-methylphenol	107	6.178	6.178	0.000	90	34729	50.0	50.7	
44 2-Methylnaphthalene	142	6.325	6.325	0.000	84	88204	50.0	50.0	
45 1-Methylnaphthalene	142	6.419	6.419	0.000	91	82654	50.0	49.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.484	6.484	0.000	97	48649	50.0	50.3	
46 Hexachlorocyclopentadiene	237	6.484	6.484	0.000	80	35295	50.0	51.6	
48 2-tertbutyl-4-methylphenol	149	6.513	6.513	0.000	77	58481	50.0	51.6	
49 2,4,6-Trichlorophenol	196	6.590	6.590	0.000	93	32845	50.0	51.1	
50 2,4,5-Trichlorophenol	196	6.619	6.619	0.000	90	33515	50.0	49.5	
$ 51 2-Fluorobiphenyl	172	6.672	6.672	0.000	97	100733	50.0	47.7	
52 1,1'-Biphenyl	154	6.766	6.766	0.000	95	106370	50.0	49.4	
53 2-Chloronaphthalene	162	6.784	6.784	0.000	97	83732	50.0	49.7	
54 Phenyl ether	170	6.866	6.866	0.000	81	56953	50.0	50.4	
56 2-Nitroaniline	65	6.878	6.878	0.000	94	23706	50.0	49.6	
57 1,3-Dimethylnaphthalene	156	6.989	6.989	0.000	91	67668	50.0	51.0	
58 Dimethyl phthalate	163	7.054	7.054	0.000	99	93850	50.0	48.8	
59 Coumarin	146	7.072	7.072	0.000	77	30729	50.0	49.4	
60 2,6-Dinitrotoluene	165	7.107	7.107	0.000	1	21673	50.0	52.1	
61 Acenaphthylene	152	7.172	7.172	0.000	97	123919	50.0	48.6	
64 3-Nitroaniline	138	7.266	7.266	0.000	95	22727	50.0	48.9	
* 65 Acenaphthene-d10	164	7.307	7.307	0.000	85	54966	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.331	7.331	0.000	90	82872	50.0	54.5	
67 Acenaphthene	154	7.337	7.337	0.000	93	88682	50.0	51.8	
68 2,4-Dinitrophenol	184	7.360	7.360	0.000	76	29196	100.0	96.5	a
69 4-Nitrophenol	65	7.425	7.425	0.000	87	28654	100.0	98.6	
70 2,4-Dinitrotoluene	165	7.484	7.484	0.000	97	29115	50.0	51.4	
71 Dibenzofuran	168	7.501	7.501	0.000	92	116051	50.0	48.7	
72 2,3,4,6-Tetrachlorophenol	232	7.613	7.613	0.000	95	29612	50.0	50.0	
73 Diethyl phthalate	149	7.719	7.719	0.000	97	94009	50.0	48.5	
75 Fluorene	166	7.819	7.819	0.000	82	92220	50.0	49.2	
74 4-Chlorophenyl phenyl ethe	204	7.819	7.819	0.000	75	48271	50.0	49.6	
76 4-Nitroaniline	138	7.842	7.842	0.000	87	23524	50.0	47.7	
77 4,6-Dinitro-2-methylphenol	198	7.872	7.872	0.000	70	33671	100.0	92.1	
78 N-Nitrosodiphenylamine	169	7.931	7.931	0.000	98	68594	50.0	48.5	
79 1,2-Diphenylhydrazine	77	7.972	7.972	0.000	92	76102	50.0	48.6	
$ 80 2,4,6-Tribromophenol	330	8.048	8.048	0.000	86	26932	50.0	51.1	
81 4-Bromophenyl phenyl ether	248	8.278	8.278	0.000	96	34589	50.0	49.4	
83 Hexachlorobenzene	284	8.342	8.342	0.000	93	42936	50.0	48.9	
85 Pentachlorophenol	266	8.525	8.525	0.000	91	51071	100.0	101.2	
86 Pentachloronitrobenzene	237	8.542	8.542	0.000	92	15394	50.0	51.0	
87 n-Octadecane	57	8.607	8.607	0.000	93	49521	50.0	52.1	
* 88 Phenanthrene-d10	188	8.695	8.695	0.000	98	103570	40.0	40.0	
89 Phenanthrene	178	8.719	8.719	0.000	97	136958	50.0	47.5	
90 Anthracene	178	8.766	8.766	0.000	97	143722	50.0	48.8	
91 Carbazole	167	8.919	8.919	0.000	82	123255	50.0	48.1	
92 Di-n-butyl phthalate	149	9.254	9.254	0.000	99	157754	50.0	50.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.836	9.836	0.000	98	155965	50.0	47.6	
94 Benzidine	184	9.960	9.960	0.000	99	101220	50.0	50.1	
95 Pyrene	202	10.048	10.048	0.000	97	161318	50.0	48.2	
82 Bisphenol-A	213	10.095	10.095	0.000	95	85628	50.0	53.3	
$ 96 Terphenyl-d14	244	10.201	10.201	0.000	99	127382	50.0	45.6	
97 Butyl benzyl phthalate	149	10.701	10.701	0.000	94	65876	50.0	50.2	
98 2,3,7,8-TCDD	320	10.795	10.795	0.000	1	297	0.5000	0.5000	
99 Carbamazepine	193	10.813	10.813	0.000	91	60682	50.0	48.2	
100 3,3'-Dichlorobenzidine	252	11.277	11.277	0.000	98	67901	50.0	49.8	
101 Benzo[a]anthracene	228	11.301	11.301	0.000	98	164790	50.0	49.4	
* 102 Chrysene-d12	240	11.313	11.313	0.000	97	106544	40.0	40.0	
103 Chrysene	228	11.342	11.342	0.000	95	147178	50.0	48.8	
104 Bis(2-ethylhexyl) phthalat	149	11.354	11.354	0.000	83	98468	50.0	51.2	
105 Di-n-octyl phthalate	149	12.177	12.177	0.000	92	169118	50.0	53.0	
106 Benzo[b]fluoranthene	252	12.666	12.666	0.000	97	178632	50.0	50.2	
107 Benzo[k]fluoranthene	252	12.701	12.701	0.000	99	180779	50.0	50.1	
108 Benzo[a]pyrene	252	13.113	13.113	0.000	97	165971	50.0	50.1	
* 109 Perylene-d12	264	13.189	13.189	0.000	99	123509	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.742	14.742	0.000	98	194284	50.0	52.0	
111 Dibenz(a,h)anthracene	278	14.783	14.783	0.000	97	186063	50.0	51.7	
112 Benzo[g,h,i]perylene	276	15.183	15.183	0.000	92	184425	50.0	48.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L6_00037 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:48:17 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272080.d

Injection Date: 24-Aug-2019 08:10:30 Instrument ID: CBNAMS5 Operator ID:

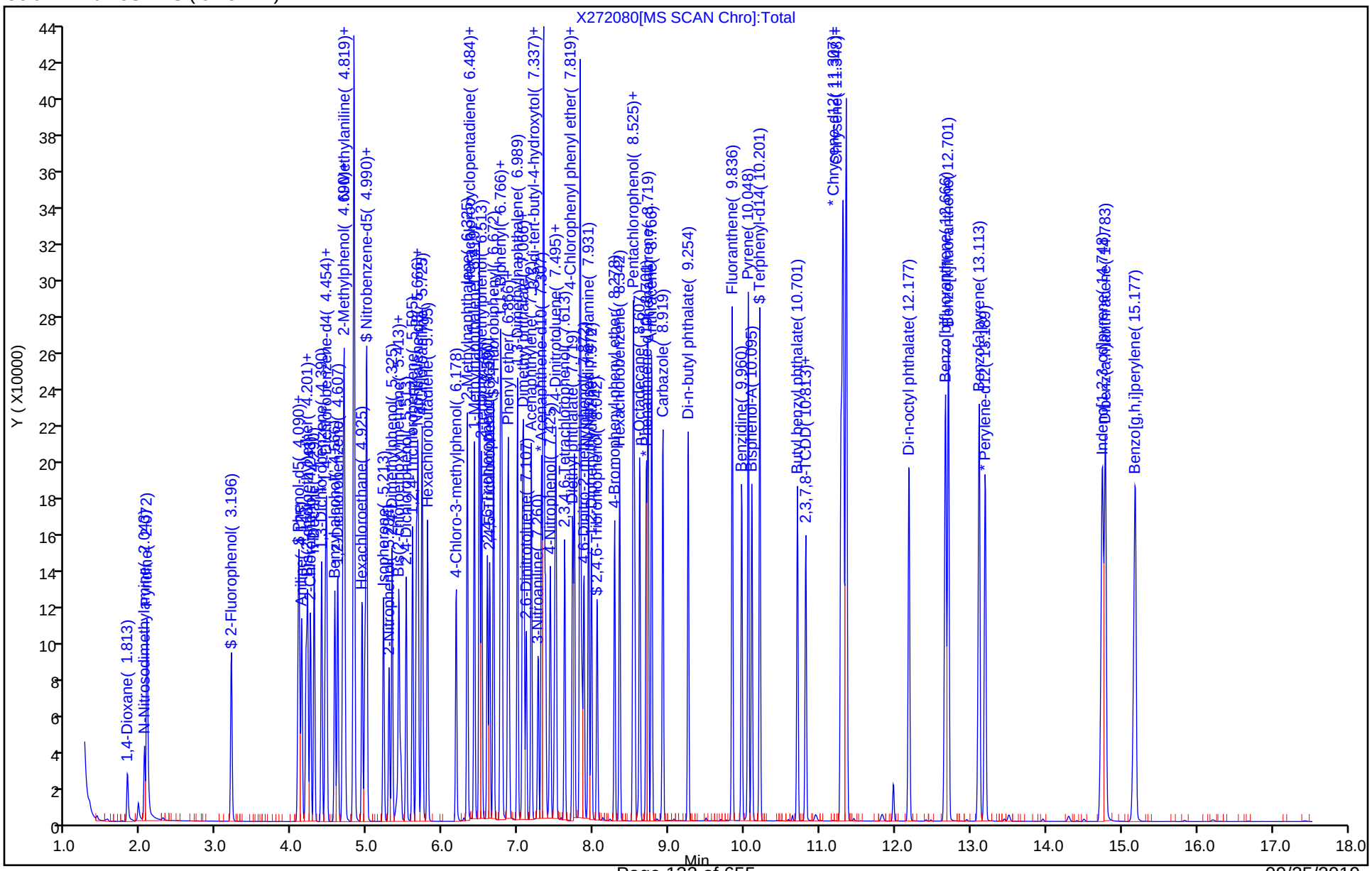
Lims ID: icis Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272081.d
Lims ID: STD120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 24-Aug-2019 09:01:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-003
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:48:25 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:23:28

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	1.828	1.813	0.015	93	37206	120.0	124.9	
2 N-Nitrosodimethylamine	74	2.057	2.043	0.014	87	58638	120.0	120.5	
3 Pyridine	79	2.087	2.078	0.009	93	185855	240.0	250.0	
$ 4 2-Fluorophenol	112	3.204	3.196	0.008	96	105192	120.0	120.7	
$ 6 Phenol-d5	99	4.099	4.084	0.015	94	124319	120.0	120.4	
7 Phenol	94	4.110	4.096	0.014	99	133374	120.0	122.2	a
8 Aniline	93	4.134	4.125	0.009	97	155478	120.0	120.5	a
9 Bis(2-chloroethyl)ether	93	4.193	4.184	0.009	93	93632	120.0	120.0	
10 Benzonitrile	103	4.222	4.207	0.015	96	195181	NC	NC	
11 2-Chlorophenol	128	4.251	4.243	0.008	75	113091	120.0	117.3	
12 n-Decane	43	4.299	4.290	0.008	90	101703	120.0	119.0	
13 1,3-Dichlorobenzene	146	4.399	4.390	0.008	97	127347	120.0	117.3	
* 14 1,4-Dichlorobenzene-d4	152	4.446	4.443	0.003	91	28162	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.463	4.460	0.003	95	126380	120.0	115.2	
16 Benzyl alcohol	108	4.575	4.566	0.009	92	68975	120.0	119.2	
17 1,2-Dichlorobenzene	146	4.610	4.607	0.003	91	120892	120.0	116.7	
18 2-Methylphenol	108	4.681	4.672	0.009	86	93829	120.0	118.6	
19 2,2'-oxybis[1-chloropropan	45	4.704	4.696	0.008	93	129057	120.0	119.5	a
20 N-Methylaniline	106	4.822	4.813	0.009	83	151033	120.0	119.9	
24 4-Methylphenol	108	4.840	4.819	0.021	78	102112	120.0	116.1	
23 3 & 4 Methylphenol	108	4.840	4.819	0.021	81	102112	120.0	116.1	
21 Acetophenone	105	4.834	4.825	0.009	89	134875	120.0	112.9	
22 N-Nitrosodi-n-propylamine	70	4.840	4.825	0.015	66	68967	120.0	124.0	
25 Hexachloroethane	117	4.928	4.925	0.003	90	45386	120.0	122.5	
$ 26 Nitrobenzene-d5	82	4.975	4.966	0.009	84	102250	120.0	121.2	
28 Nitrobenzene	123	4.993	4.984	0.009	89	49128	120.0	119.3	
27 n,n'-Dimethylaniline	120	4.998	4.990	0.008	88	157095	120.0	115.2	
31 Isophorone	82	5.234	5.213	0.021	97	176823	120.0	120.5	
32 2-Nitrophenol	139	5.293	5.284	0.009	94	58756	120.0	117.8	
33 2,4-Dimethylphenol	122	5.334	5.325	0.009	69	92369	120.0	118.1	
34 Bis(2-chloroethoxy)methane	93	5.422	5.413	0.009	99	113474	120.0	118.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.493	5.437	0.056	84	72400	120.0	119.3	
36 2,4-Dichlorophenol	162	5.522	5.513	0.009	93	96453	120.0	122.1	
37 1,2,4-Trichlorobenzene	180	5.598	5.595	0.003	94	107578	120.0	118.3	
* 38 Naphthalene-d8	136	5.651	5.648	0.003	97	103353	40.0	40.0	
39 Naphthalene	128	5.675	5.672	0.003	99	301280	120.0	114.8	
40 4-Chloroaniline	127	5.728	5.719	0.009	84	126132	120.0	113.8	
41 Hexachlorobutadiene	225	5.798	5.795	0.003	98	66601	120.0	117.3	
43 4-Chloro-3-methylphenol	107	6.181	6.178	0.003	92	81597	120.0	117.3	
44 2-Methylnaphthalene	142	6.328	6.325	0.003	84	204130	120.0	113.8	
45 1-Methylnaphthalene	142	6.422	6.419	0.003	91	191300	120.0	113.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.492	6.484	0.008	97	109417	120.0	110.9	
46 Hexachlorocyclopentadiene	237	6.487	6.484	0.003	89	86088	120.0	123.5	
48 2-tertbutyl-4-methylphenol	149	6.522	6.513	0.009	76	137035	120.0	118.9	
49 2,4,6-Trichlorophenol	196	6.592	6.590	0.002	93	74708	120.0	114.1	
50 2,4,5-Trichlorophenol	196	6.628	6.619	0.009	89	79931	120.0	115.8	
$ 51 2-Fluorobiphenyl	172	6.675	6.672	0.003	91	241164	120.0	111.9	
52 1,1'-Biphenyl	154	6.769	6.766	0.003	96	244937	120.0	111.6	
53 2-Chloronaphthalene	162	6.787	6.784	0.003	96	193254	120.0	112.4	
54 Phenyl ether	170	6.869	6.866	0.003	82	135051	120.0	117.3	
56 2-Nitroaniline	65	6.887	6.878	0.009	93	56547	120.0	116.0	
57 1,3-Dimethylnaphthalene	156	6.992	6.989	0.003	89	154681	120.0	114.4	
58 Dimethyl phthalate	163	7.069	7.054	0.015	98	216652	120.0	110.4	
59 Coumarin	146	7.081	7.072	0.009	81	75021	120.0	118.7	
60 2,6-Dinitrotoluene	165	7.116	7.107	0.009	2	50447	120.0	118.9	a
61 Acenaphthylene	152	7.181	7.172	0.009	96	299739	120.0	115.2	
64 3-Nitroaniline	138	7.275	7.266	0.009	96	53430	120.0	112.7	
* 65 Acenaphthene-d10	164	7.310	7.307	0.003	78	56052	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.339	7.331	0.008	90	174960	120.0	112.8	
67 Acenaphthene	154	7.345	7.337	0.008	95	176026	120.0	100.9	
68 2,4-Dinitrophenol	184	7.375	7.360	0.015	81	75742	240.0	241.8	a
69 4-Nitrophenol	65	7.439	7.425	0.014	87	68297	240.0	230.5	
70 2,4-Dinitrotoluene	165	7.498	7.484	0.014	49	68707	120.0	118.9	
71 Dibenzofuran	168	7.504	7.501	0.003	92	270791	120.0	111.4	
72 2,3,4,6-Tetrachlorophenol	232	7.622	7.613	0.009	97	69627	120.0	115.3	
73 Diethyl phthalate	149	7.728	7.719	0.009	98	218506	120.0	110.6	
75 Fluorene	166	7.828	7.819	0.009	82	211760	120.0	110.8	
74 4-Chlorophenyl phenyl ethe	204	7.822	7.819	0.003	77	106127	120.0	107.0	
76 4-Nitroaniline	138	7.869	7.842	0.027	86	57153	120.0	113.7	
77 4,6-Dinitro-2-methylphenol	198	7.887	7.872	0.015	91	91179	240.0	251.5	
78 N-Nitrosodiphenylamine	169	7.945	7.931	0.014	97	160582	120.0	115.8	
79 1,2-Diphenylhydrazine	77	7.975	7.972	0.003	93	186857	120.0	121.8	
$ 80 2,4,6-Tribromophenol	330	8.057	8.048	0.009	86	67398	120.0	125.4	
81 4-Bromophenyl phenyl ether	248	8.281	8.278	0.003	95	80423	120.0	117.1	
83 Hexachlorobenzene	284	8.351	8.342	0.009	92	103071	120.0	119.8	
85 Pentachlorophenol	266	8.534	8.525	0.009	89	123911	240.0	250.5	
86 Pentachloronitrobenzene	237	8.545	8.542	0.003	84	36032	120.0	121.8	
87 n-Octadecane	57	8.610	8.607	0.003	93	111699	120.0	119.8	
* 88 Phenanthrene-d10	188	8.704	8.695	0.009	98	101556	40.0	40.0	
89 Phenanthrene	178	8.728	8.719	0.009	97	320974	120.0	113.4	
90 Anthracene	178	8.775	8.766	0.009	97	330655	120.0	114.4	
91 Carbazole	167	8.922	8.919	0.003	82	290178	120.0	115.4	
92 Di-n-butyl phthalate	149	9.257	9.254	0.003	99	350644	120.0	114.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.845	9.836	0.009	98	367984	120.0	114.5	
94 Benzidine	184	9.969	9.960	0.009	99	244432	120.0	123.4	
95 Pyrene	202	10.057	10.048	0.009	97	380288	120.0	113.5	
82 Bisphenol-A	213	10.104	10.095	0.009	91	191022	120.0	118.6	
$ 96 Terphenyl-d14	244	10.210	10.201	0.009	98	328992	120.0	117.6	
97 Butyl benzyl phthalate	149	10.704	10.701	0.003	94	153880	120.0	117.0	
99 Carbamazepine	193	10.828	10.813	0.015	92	160338	120.0	127.0	
100 3,3'-Dichlorobenzidine	252	11.292	11.277	0.015	97	166958	120.0	122.1	
101 Benzo[a]anthracene	228	11.310	11.301	0.009	98	363951	120.0	108.8	
* 102 Chrysene-d12	240	11.322	11.313	0.009	93	106805	40.0	40.0	
103 Chrysene	228	11.357	11.342	0.015	95	322029	120.0	106.5	
104 Bis(2-ethylhexyl) phthalat	149	11.363	11.354	0.009	83	225712	120.0	117.1	
105 Di-n-octyl phthalate	149	12.192	12.177	0.015	95	396544	120.0	118.7	
106 Benzo[b]fluoranthene	252	12.680	12.666	0.014	97	476597	120.0	128.0	
107 Benzo[k]fluoranthene	252	12.722	12.701	0.021	99	404095	120.0	107.0	
108 Benzo[a]pyrene	252	13.133	13.113	0.020	97	415028	120.0	119.8	
* 109 Perylene-d12	264	13.198	13.189	0.009	98	129288	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.768	14.742	0.026	98	491650	120.0	125.7	M
111 Dibenz(a,h)anthracene	278	14.815	14.783	0.032	97	460286	120.0	122.2	
112 Benzo[g,h,i]perylene	276	15.215	15.183	0.032	93	465120	120.0	117.8	
S 119 Total Cresols	1				0			234.7	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

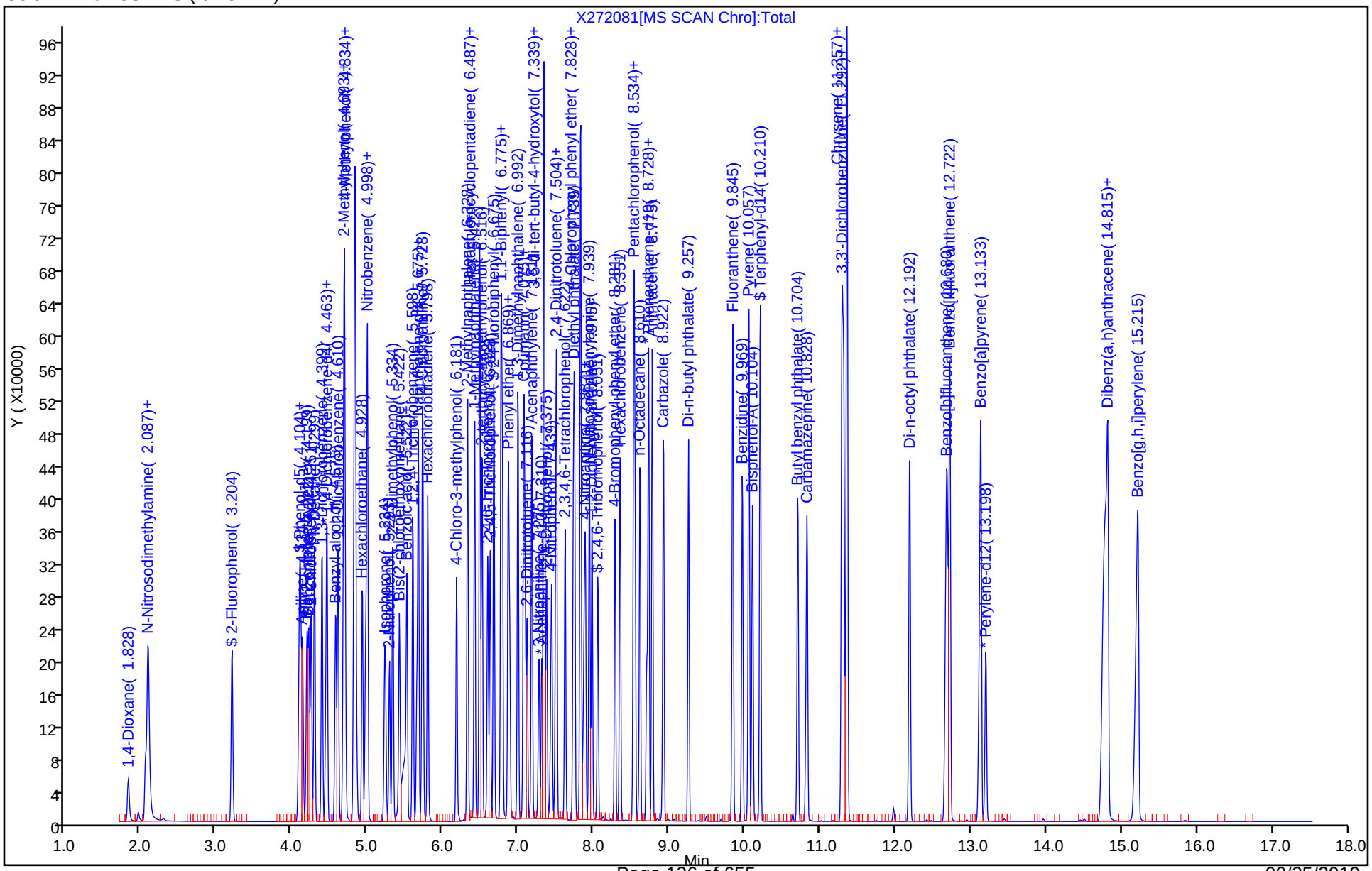
SV_IC_BNA_L8_00020 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:48:26 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272081.d				
Injection Date:	24-Aug-2019 09:01:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	STD120			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272082.d
Lims ID: STD80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Aug-2019 09:24:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-004
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:48:35 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:24:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.813	0.015	92	23871	80.0	82.4	
2 N-Nitrosodimethylamine	74	2.057	2.043	0.014	87	38855	80.0	82.1	
3 Pyridine	79	2.093	2.078	0.015	93	121068	160.0	167.5	
$ 4 2-Fluorophenol	112	3.204	3.196	0.008	96	70620	80.0	83.3	
$ 6 Phenol-d5	99	4.093	4.084	0.009	95	83993	80.0	83.6	
7 Phenol	94	4.104	4.096	0.008	98	88420	80.0	83.3	
8 Aniline	93	4.134	4.125	0.009	64	102695	80.0	81.8	
9 Bis(2-chloroethyl)ether	93	4.193	4.184	0.008	92	61335	80.0	80.8	
10 Benzonitrile	103	4.216	4.207	0.009	95	127518	NC	NC	
11 2-Chlorophenol	128	4.251	4.243	0.008	87	76346	80.0	81.4	
12 n-Decane	43	4.298	4.290	0.008	90	66702	80.0	80.3	
13 1,3-Dichlorobenzene	146	4.398	4.390	0.008	97	84981	80.0	80.5	
* 14 1,4-Dichlorobenzene-d4	152	4.445	4.443	0.002	91	27385	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.463	4.460	0.003	95	86092	80.0	80.7	
16 Benzyl alcohol	108	4.575	4.566	0.009	93	46275	80.0	82.2	
17 1,2-Dichlorobenzene	146	4.610	4.607	0.003	91	81669	80.0	81.1	
18 2-Methylphenol	108	4.681	4.672	0.009	86	62415	80.0	81.1	
19 2,2'-oxybis[1-chloropropan	45	4.704	4.696	0.008	93	84814	80.0	80.7	a
20 N-Methylaniline	106	4.816	4.813	0.003	85	99484	80.0	81.2	
24 4-Methylphenol	108	4.834	4.819	0.015	76	68594	80.0	80.2	
23 3 & 4 Methylphenol	108	4.834	4.819	0.015	78	68594	80.0	80.2	
21 Acetophenone	105	4.828	4.825	0.003	85	91589	80.0	78.8	
22 N-Nitrosodi-n-propylamine	70	4.834	4.825	0.009	67	46568	80.0	86.1	
25 Hexachloroethane	117	4.928	4.925	0.003	90	30438	80.0	84.5	
$ 26 Nitrobenzene-d5	82	4.969	4.966	0.003	84	69518	80.0	82.3	
28 Nitrobenzene	123	4.992	4.984	0.008	85	33530	80.0	83.7	
27 n,n'-Dimethylaniline	120	4.992	4.990	0.002	87	105525	80.0	79.6	
31 Isophorone	82	5.222	5.213	0.009	97	118872	80.0	80.9	
32 2-Nitrophenol	139	5.292	5.284	0.008	95	40904	80.0	81.9	
33 2,4-Dimethylphenol	122	5.334	5.325	0.009	78	63333	80.0	80.9	
34 Bis(2-chloroethoxy)methane	93	5.422	5.413	0.009	99	75696	80.0	78.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.469	5.437	0.032	78	48534	80.0	80.7	
36 2,4-Dichlorophenol	162	5.516	5.513	0.003	96	65300	80.0	82.5	
37 1,2,4-Trichlorobenzene	180	5.598	5.595	0.003	94	73150	80.0	80.3	
* 38 Naphthalene-d8	136	5.651	5.648	0.003	97	103502	40.0	40.0	
39 Naphthalene	128	5.675	5.672	0.003	99	205104	80.0	78.1	
40 4-Chloroaniline	127	5.722	5.719	0.003	85	89406	80.0	80.6	
41 Hexachlorobutadiene	225	5.798	5.795	0.003	98	45484	80.0	80.0	
43 4-Chloro-3-methylphenol	107	6.181	6.178	0.003	90	56577	80.0	81.2	
44 2-Methylnaphthalene	142	6.328	6.325	0.003	84	142693	80.0	79.4	
45 1-Methylnaphthalene	142	6.422	6.419	0.003	91	132892	80.0	78.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.492	6.484	0.008	98	74818	80.0	76.9	
46 Hexachlorocyclopentadiene	237	6.486	6.484	0.002	83	56533	80.0	82.2	
48 2-tertbutyl-4-methylphenol	149	6.516	6.513	0.003	76	92295	80.0	80.0	
49 2,4,6-Trichlorophenol	196	6.592	6.590	0.002	94	53138	80.0	82.2	
50 2,4,5-Trichlorophenol	196	6.622	6.619	0.003	90	54724	80.0	80.3	
$ 51 2-Fluorobiphenyl	172	6.675	6.672	0.003	93	166186	80.0	78.2	
52 1,1'-Biphenyl	154	6.769	6.766	0.003	95	167204	80.0	77.2	
53 2-Chloronaphthalene	162	6.786	6.784	0.002	97	134198	80.0	79.1	
54 Phenyl ether	170	6.863	6.866	-0.003	81	91387	80.0	80.5	
56 2-Nitroaniline	65	6.881	6.878	0.003	95	38798	80.0	80.7	
57 1,3-Dimethylnaphthalene	156	6.992	6.989	0.003	90	106251	80.0	79.7	
58 Dimethyl phthalate	163	7.063	7.054	0.009	99	151481	80.0	78.3	
59 Coumarin	146	7.075	7.072	0.003	78	49380	80.0	78.0	
60 2,6-Dinitrotoluene	165	7.110	7.107	0.003	1	35226	80.0	84.1	a
61 Acenaphthylene	152	7.175	7.172	0.003	96	206481	80.0	80.5	
64 3-Nitroaniline	138	7.269	7.266	0.003	96	36973	80.0	79.0	
* 65 Acenaphthene-d10	164	7.310	7.307	0.003	79	55298	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.333	7.331	0.002	90	118361	80.0	77.4	
67 Acenaphthene	154	7.339	7.337	0.002	94	129511	80.0	75.2	
68 2,4-Dinitrophenol	184	7.369	7.360	0.009	79	50930	160.0	165.6	a
69 4-Nitrophenol	65	7.433	7.425	0.008	87	48139	160.0	164.6	
70 2,4-Dinitrotoluene	165	7.492	7.484	0.008	59	47508	80.0	83.4	
71 Dibenzofuran	168	7.504	7.501	0.003	92	188572	80.0	78.6	
72 2,3,4,6-Tetrachlorophenol	232	7.616	7.613	0.003	96	48567	80.0	81.5	
73 Diethyl phthalate	149	7.728	7.719	0.009	98	150821	80.0	77.4	
75 Fluorene	166	7.822	7.819	0.003	82	147775	80.0	78.4	
74 4-Chlorophenyl phenyl ethe	204	7.822	7.819	0.003	74	74429	80.0	76.0	
76 4-Nitroaniline	138	7.857	7.842	0.015	87	39708	80.0	80.1	
77 4,6-Dinitro-2-methylphenol	198	7.881	7.872	0.008	86	60817	160.0	165.1	
78 N-Nitrosodiphenylamine	169	7.939	7.931	0.008	97	111098	80.0	78.6	
79 1,2-Diphenylhydrazine	77	7.975	7.972	0.003	96	124672	80.0	79.7	
$ 80 2,4,6-Tribromophenol	330	8.051	8.048	0.003	87	45980	80.0	86.7	
81 4-Bromophenyl phenyl ether	248	8.280	8.278	0.002	95	55905	80.0	79.8	
83 Hexachlorobenzene	284	8.345	8.342	0.003	93	71517	80.0	81.5	
85 Pentachlorophenol	266	8.528	8.525	0.003	92	86654	160.0	171.8	
86 Pentachloronitrobenzene	237	8.545	8.542	0.003	92	24609	80.0	81.6	
87 n-Octadecane	57	8.610	8.607	0.003	93	77163	80.0	81.2	
* 88 Phenanthrene-d10	188	8.698	8.695	0.003	98	103541	40.0	40.0	
89 Phenanthrene	178	8.728	8.719	0.009	97	224677	80.0	77.9	
90 Anthracene	178	8.769	8.766	0.003	97	228809	80.0	77.6	
91 Carbazole	167	8.922	8.919	0.003	82	203413	80.0	79.4	
92 Di-n-butyl phthalate	149	9.257	9.254	0.003	99	247942	80.0	79.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.839	9.836	0.003	98	255991	80.0	78.1	
94 Benzidine	184	9.969	9.960	0.009	99	167447	80.0	82.9	
95 Pyrene	202	10.057	10.048	0.009	97	264143	80.0	77.4	
82 Bisphenol-A	213	10.104	10.095	0.009	91	135000	80.0	82.3	
$ 96 Terphenyl-d14	244	10.204	10.201	0.003	97	230777	80.0	81.0	
97 Butyl benzyl phthalate	149	10.704	10.701	0.003	94	108377	80.0	80.9	
99 Carbamazepine	193	10.821	10.813	0.008	92	108873	80.0	84.7	
100 3,3'-Dichlorobenzidine	252	11.286	11.277	0.009	97	117020	80.0	84.0	
101 Benzo[a]anthracene	228	11.304	11.301	0.003	98	258857	80.0	75.9	
* 102 Chrysene-d12	240	11.321	11.313	0.008	91	108797	40.0	40.0	
103 Chrysene	228	11.351	11.342	0.009	95	239727	80.0	77.8	
104 Bis(2-ethylhexyl) phthalat	149	11.357	11.354	0.003	83	160043	80.0	81.5	
105 Di-n-octyl phthalate	149	12.186	12.177	0.009	93	276597	80.0	82.5	
106 Benzo[b]fluoranthene	252	12.674	12.666	0.008	98	305547	80.0	81.8	
107 Benzo[k]fluoranthene	252	12.715	12.701	0.014	98	308263	80.0	81.4	
108 Benzo[a]pyrene	252	13.121	13.113	0.008	97	286194	80.0	82.3	
* 109 Perylene-d12	264	13.198	13.189	0.009	99	129715	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.757	14.742	0.015	98	337551	80.0	86.0	
111 Dibenz(a,h)anthracene	278	14.798	14.783	0.015	97	318079	80.0	84.2	
112 Benzo[g,h,i]perylene	276	15.198	15.183	0.015	92	319246	80.0	80.6	
S 119 Total Cresols	1				0			161.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L7_00020 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:48:36 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272082.d

Injection Date: 24-Aug-2019 09:24:30 Instrument ID: CBNAMS5 Operator ID:

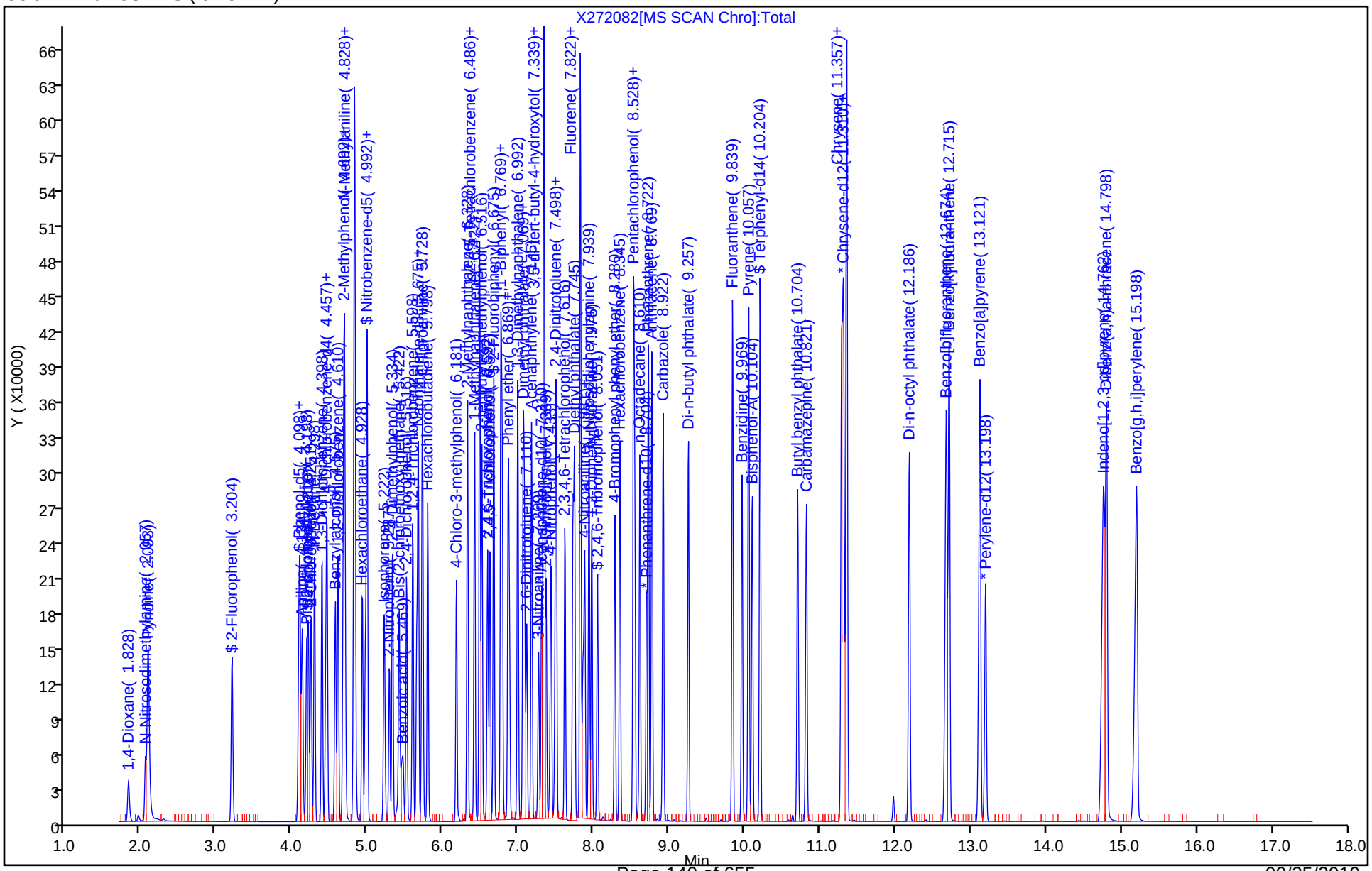
Lims ID: STD80 Worklist Smp#: 4

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)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272083.d
Lims ID: STD20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Aug-2019 09:47:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-005
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:48:42 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:25:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.822	1.813	0.009	92	6125	20.0	20.9	
	2 N-Nitrosodimethylamine	74	2.046	2.043	0.003	88	9796	20.0	20.5	
	3 Pyridine	79	2.081	2.078	0.003	93	28981	40.0	39.7	
$	4 2-Fluorophenol	112	3.199	3.196	0.003	94	17086	20.0	20.0	
$	6 Phenol-d5	99	4.081	4.084	-0.003	94	20027	20.0	19.8	
	7 Phenol	94	4.093	4.096	-0.003	98	21419	20.0	20.0	
	8 Aniline	93	4.128	4.125	0.003	42	25989	20.0	20.5	
	9 Bis(2-chloroethyl)ether	93	4.181	4.184	-0.003	92	15776	20.0	20.6	
	10 Benzonitrile	103	4.198	4.207	-0.009	95	32441	NC	NC	
	11 2-Chlorophenol	128	4.240	4.243	-0.003	89	19566	20.0	20.7	
	12 n-Decane	43	4.293	4.290	0.003	91	17108	20.0	20.4	
	13 1,3-Dichlorobenzene	146	4.393	4.390	0.003	97	22047	20.0	20.7	
*	14 1,4-Dichlorobenzene-d4	152	4.446	4.443	0.003	93	27653	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.457	4.460	-0.003	91	21888	20.0	20.3	
	16 Benzyl alcohol	108	4.563	4.566	-0.003	93	11773	20.0	20.7	
	17 1,2-Dichlorobenzene	146	4.604	4.607	-0.003	91	21354	20.0	21.0	
	18 2-Methylphenol	108	4.669	4.672	-0.003	88	15744	20.0	20.3	
	19 2,2'-oxybis[1-chloropropan	45	4.698	4.696	0.002	90	21209	20.0	20.0	
	20 N-Methylaniline	106	4.810	4.813	-0.003	74	25112	20.0	20.3	
	24 4-Methylphenol	108	4.816	4.819	-0.003	76	17873	20.0	20.7	
	23 3 & 4 Methylphenol	108	4.816	4.819	-0.003	74	17873	20.0	20.7	
	21 Acetophenone	105	4.822	4.825	-0.003	86	24217	20.0	20.6	
	22 N-Nitrosodi-n-propylamine	70	4.822	4.825	-0.003	70	11644	20.0	21.3	
	25 Hexachloroethane	117	4.928	4.925	0.003	88	7629	20.0	21.0	
$	26 Nitrobenzene-d5	82	4.963	4.966	-0.003	83	16816	20.0	20.2	
	28 Nitrobenzene	123	4.981	4.984	-0.003	93	8715	20.0	21.6	
	27 n,n'-Dimethylaniline	120	4.987	4.990	-0.003	88	27025	20.0	20.2	
	31 Isophorone	82	5.204	5.213	-0.009	97	29857	20.0	20.6	
	32 2-Nitrophenol	139	5.287	5.284	0.003	94	10146	20.0	20.6	
	33 2,4-Dimethylphenol	122	5.322	5.325	-0.003	61	15874	20.0	20.6	
	34 Bis(2-chloroethoxy)methane	93	5.410	5.413	-0.003	98	19447	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
35 Benzoic acid	122	5.404	5.437	-0.033	53	11140	20.0	20.7	
36 2,4-Dichlorophenol	162	5.510	5.513	-0.003	95	16360	20.0	21.0	
37 1,2,4-Trichlorobenzene	180	5.598	5.595	0.003	92	18616	20.0	20.7	
* 38 Naphthalene-d8	136	5.651	5.648	0.003	97	101977	40.0	40.0	
39 Naphthalene	128	5.669	5.672	-0.003	98	53127	20.0	20.5	
40 4-Chloroaniline	127	5.716	5.719	-0.003	86	22491	20.0	20.6	
41 Hexachlorobutadiene	225	5.798	5.795	0.003	96	11440	20.0	20.4	
43 4-Chloro-3-methylphenol	107	6.175	6.178	-0.003	88	13970	20.0	20.4	
44 2-Methylnaphthalene	142	6.322	6.325	-0.003	84	36551	20.0	20.6	
45 1-Methylnaphthalene	142	6.416	6.419	-0.003	91	34231	20.0	20.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.487	6.484	0.003	98	20371	20.0	21.4	
46 Hexachlorocyclopentadiene	237	6.481	6.484	-0.003	75	13385	20.0	19.9	
48 2-tertbutyl-4-methylphenol	149	6.510	6.513	-0.003	71	22963	20.0	20.2	
49 2,4,6-Trichlorophenol	196	6.587	6.590	-0.003	92	12878	20.0	20.4	
50 2,4,5-Trichlorophenol	196	6.616	6.619	-0.003	87	13856	20.0	20.8	
$ 51 2-Fluorobiphenyl	172	6.669	6.672	-0.003	96	40285	20.0	19.4	
52 1,1'-Biphenyl	154	6.763	6.766	-0.003	95	44316	20.0	20.9	
53 2-Chloronaphthalene	162	6.781	6.784	-0.003	97	34060	20.0	20.5	
54 Phenyl ether	170	6.863	6.866	-0.003	81	22614	20.0	20.3	
56 2-Nitroaniline	65	6.869	6.878	-0.009	77	9709	20.0	20.6	
57 1,3-Dimethylnaphthalene	156	6.987	6.989	-0.002	90	26906	20.0	20.6	
58 Dimethyl phthalate	163	7.051	7.054	-0.003	99	39812	20.0	21.0	
59 Coumarin	146	7.069	7.072	-0.003	78	12629	20.0	20.3	
60 2,6-Dinitrotoluene	165	7.098	7.107	-0.009	4	8917	20.0	21.8	
61 Acenaphthylene	152	7.169	7.172	-0.003	96	52317	20.0	20.8	
64 3-Nitroaniline	138	7.257	7.266	-0.009	95	9736	20.0	21.3	
* 65 Acenaphthene-d10	164	7.304	7.307	-0.003	95	54124	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.328	7.331	-0.003	79	30187	20.0	20.2	
67 Acenaphthene	154	7.334	7.337	-0.003	93	36420	20.0	21.6	
68 2,4-Dinitrophenol	184	7.351	7.360	-0.009	70	11875	40.0	41.2	a
69 4-Nitrophenol	65	7.416	7.425	-0.009	86	11832	40.0	41.3	
70 2,4-Dinitrotoluene	165	7.481	7.484	-0.003	96	12296	20.0	22.0	
71 Dibenzofuran	168	7.498	7.501	-0.003	93	48847	20.0	20.8	
72 2,3,4,6-Tetrachlorophenol	232	7.610	7.613	-0.003	93	12145	20.0	20.8	
73 Diethyl phthalate	149	7.716	7.719	-0.003	97	42033	20.0	22.0	
75 Fluorene	166	7.816	7.819	-0.003	82	38945	20.0	21.1	
74 4-Chlorophenyl phenyl ethe	204	7.816	7.819	-0.003	73	20246	20.0	21.1	
76 4-Nitroaniline	138	7.834	7.842	-0.008	86	10150	20.0	20.9	
77 4,6-Dinitro-2-methylphenol	198	7.863	7.872	-0.009	59	14416	40.0	41.0	
78 N-Nitrosodiphenylamine	169	7.928	7.931	-0.003	97	28909	20.0	20.8	
79 1,2-Diphenylhydrazine	77	7.963	7.972	-0.009	94	31015	20.0	20.1	
$ 80 2,4,6-Tribromophenol	330	8.039	8.048	-0.009	84	10577	20.0	20.4	
81 4-Bromophenyl phenyl ether	248	8.275	8.278	-0.003	94	14279	20.0	20.7	
83 Hexachlorobenzene	284	8.339	8.342	-0.003	92	17798	20.0	20.6	
85 Pentachlorophenol	266	8.522	8.525	-0.003	88	21490	40.0	43.3	
86 Pentachloronitrobenzene	237	8.539	8.542	-0.003	89	6082	20.0	20.5	
87 n-Octadecane	57	8.610	8.607	0.003	90	18887	20.0	20.2	
* 88 Phenanthrene-d10	188	8.698	8.695	0.003	98	101910	40.0	40.0	
89 Phenanthrene	178	8.716	8.719	-0.003	96	59503	20.0	21.0	
90 Anthracene	178	8.763	8.766	-0.003	97	60403	20.0	20.8	
91 Carbazole	167	8.916	8.919	-0.003	82	52116	20.0	20.7	
92 Di-n-butyl phthalate	149	9.251	9.254	-0.003	99	64246	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
93 Fluoranthene	202	9.833	9.836	-0.003	98	67949	20.0	21.1	
94 Benzidine	184	9.957	9.960	-0.003	98	40686	20.0	20.5	
95 Pyrene	202	10.045	10.048	-0.003	97	70149	20.0	20.9	
82 Bisphenol-A	213	10.092	10.095	-0.003	92	33228	20.0	20.6	
$ 96 Terphenyl-d14	244	10.198	10.201	-0.003	96	55876	20.0	20.0	
97 Butyl benzyl phthalate	149	10.698	10.701	-0.003	92	27241	20.0	20.7	
99 Carbamazepine	193	10.804	10.813	-0.009	91	26518	20.0	21.0	
100 3,3'-Dichlorobenzidine	252	11.274	11.277	-0.003	98	29299	20.0	21.4	
101 Benzo[a]anthracene	228	11.298	11.301	-0.003	98	68881	20.0	20.6	
* 102 Chrysene-d12	240	11.310	11.313	-0.003	97	106766	40.0	40.0	
103 Chrysene	228	11.339	11.342	-0.003	94	64331	20.0	21.3	
104 Bis(2-ethylhexyl) phthalat	149	11.351	11.354	-0.003	76	39449	20.0	20.5	
105 Di-n-octyl phthalate	149	12.174	12.177	-0.003	91	67540	20.0	20.6	
106 Benzo[b]fluoranthene	252	12.657	12.666	-0.009	97	77636	20.0	21.2	
107 Benzo[k]fluoranthene	252	12.692	12.701	-0.009	99	78200	20.0	21.0	
108 Benzo[a]pyrene	252	13.104	13.113	-0.009	97	73290	20.0	21.5	
* 109 Perylene-d12	264	13.186	13.189	-0.003	99	127207	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.733	14.742	-0.009	98	83452	20.0	21.7	
111 Dibenz(a,h)anthracene	278	14.768	14.783	-0.015	96	79598	20.0	21.5	
112 Benzo[g,h,i]perylene	276	15.162	15.183	-0.021	91	80949	20.0	20.8	
S 119 Total Cresols	1				0			41.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L5_00020 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:48:43 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272083.d

Injection Date: 24-Aug-2019 09:47:30 Instrument ID: CBNAMS5 Operator ID:

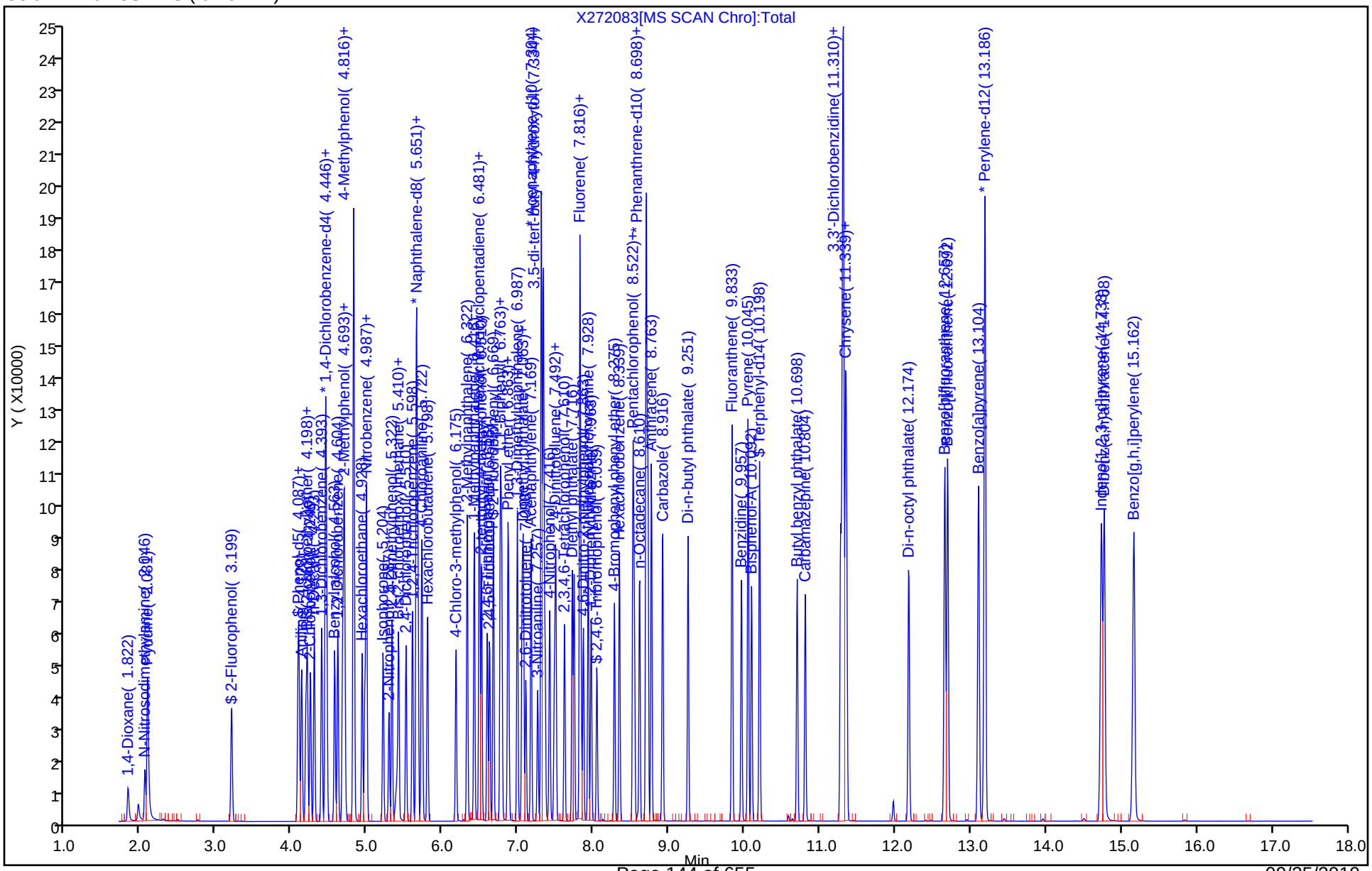
Lims ID: STD20 Worklist Smp#: 5

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)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272084.d
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Aug-2019 10:11:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-006
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:48:48 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:25:45

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	1.822	1.813	0.009	87	2932	10.0	10.8	
2 N-Nitrosodimethylamine	74	2.046	2.043	0.003	85	4439	10.0	10.1	
3 Pyridine	79	2.081	2.078	0.003	92	13394	20.0	19.9	
$ 4 2-Fluorophenol	112	3.198	3.196	0.002	93	7912	10.0	10.0	
$ 6 Phenol-d5	99	4.075	4.084	-0.009	98	9246	10.0	9.87	
7 Phenol	94	4.087	4.096	-0.009	97	9700	10.0	9.80	
8 Aniline	93	4.122	4.125	-0.003	41	11849	10.0	10.1	
9 Bis(2-chloroethyl)ether	93	4.181	4.184	-0.003	89	7201	10.0	10.2	
10 Benzonitrile	103	4.198	4.207	-0.009	94	15042	NC	NC	
11 2-Chlorophenol	128	4.240	4.243	-0.003	87	9081	10.0	10.4	
12 n-Decane	43	4.293	4.290	0.003	91	7842	10.0	10.1	
13 1,3-Dichlorobenzene	146	4.393	4.390	0.003	97	10176	10.0	10.3	
* 14 1,4-Dichlorobenzene-d4	152	4.440	4.443	-0.003	93	25546	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.457	4.460	-0.003	90	10393	10.0	10.4	
16 Benzyl alcohol	108	4.563	4.566	-0.003	93	5319	10.0	10.1	
17 1,2-Dichlorobenzene	146	4.604	4.607	-0.003	91	9670	10.0	10.3	
18 2-Methylphenol	108	4.669	4.672	-0.003	87	7319	10.0	10.2	
19 2,2'-oxybis[1-chloropropan	45	4.698	4.696	0.002	62	9803	10.0	10.0	
20 N-Methylaniline	106	4.810	4.813	-0.003	70	11396	10.0	9.98	
24 4-Methylphenol	108	4.816	4.819	-0.003	75	8252	10.0	10.3	
23 3 & 4 Methylphenol	108	4.816	4.819	-0.003	74	8252	10.0	10.3	
21 Acetophenone	105	4.816	4.825	-0.009	84	11353	10.0	10.5	
22 N-Nitrosodi-n-propylamine	70	4.816	4.825	-0.009	61	5261	10.0	10.4	
25 Hexachloroethane	117	4.928	4.925	0.003	86	3505	10.0	10.4	
$ 26 Nitrobenzene-d5	82	4.963	4.966	-0.003	82	7655	10.0	10.1	
28 Nitrobenzene	123	4.981	4.984	-0.003	90	4031	10.0	10.8	
27 n,n'-Dimethylaniline	120	4.987	4.990	-0.003	85	12213	10.0	9.87	
31 Isophorone	82	5.204	5.213	-0.009	96	13560	10.0	10.2	
32 2-Nitrophenol	139	5.287	5.284	0.003	90	4557	10.0	10.1	
33 2,4-Dimethylphenol	122	5.322	5.325	-0.003	78	7150	10.0	10.1	
34 Bis(2-chloroethoxy)methane	93	5.410	5.413	-0.003	90	8813	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.381	5.437	-0.056	77	4195	10.0	10.0	
36 2,4-Dichlorophenol	162	5.510	5.513	-0.003	93	7320	10.0	10.3	
37 1,2,4-Trichlorobenzene	180	5.598	5.595	0.003	90	8544	10.0	10.4	
* 38 Naphthalene-d8	136	5.645	5.648	-0.003	99	93181	40.0	40.0	
39 Naphthalene	128	5.669	5.672	-0.003	91	24782	10.0	10.5	
40 4-Chloroaniline	127	5.716	5.719	-0.003	80	10344	10.0	10.4	
41 Hexachlorobutadiene	225	5.798	5.795	0.003	92	5245	10.0	10.2	
43 4-Chloro-3-methylphenol	107	6.175	6.178	-0.003	85	6263	10.0	9.99	
44 2-Methylnaphthalene	142	6.322	6.325	-0.003	84	16778	10.0	10.4	
45 1-Methylnaphthalene	142	6.416	6.419	-0.003	81	15694	10.0	10.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.487	6.484	0.002	96	8925	10.0	10.3	
46 Hexachlorocyclopentadiene	237	6.481	6.484	-0.003	73	5953	10.0	9.74	
48 2-tertbutyl-4-methylphenol	149	6.510	6.513	-0.003	70	10219	10.0	9.84	
49 2,4,6-Trichlorophenol	196	6.586	6.590	-0.004	90	5921	10.0	10.3	
50 2,4,5-Trichlorophenol	196	6.616	6.619	-0.003	85	6196	10.0	10.2	
$ 51 2-Fluorobiphenyl	172	6.669	6.672	-0.003	95	18668	10.0	9.88	
52 1,1'-Biphenyl	154	6.763	6.766	-0.003	94	20048	10.0	10.4	
53 2-Chloronaphthalene	162	6.781	6.784	-0.003	98	15570	10.0	10.3	
54 Phenyl ether	170	6.863	6.866	-0.003	77	10150	10.0	10.1	
56 2-Nitroaniline	65	6.869	6.878	-0.009	81	4450	10.0	10.4	
57 1,3-Dimethylnaphthalene	156	6.986	6.989	-0.003	89	11917	10.0	10.1	
58 Dimethyl phthalate	163	7.045	7.054	-0.009	99	18509	10.0	10.8	
59 Coumarin	146	7.063	7.072	-0.009	76	5839	10.0	10.2	
60 2,6-Dinitrotoluene	165	7.098	7.107	-0.009	6	3974	10.0	10.7	
61 Acenaphthylene	152	7.169	7.172	-0.003	96	23538	10.0	10.3	
64 3-Nitroaniline	138	7.257	7.266	-0.009	91	4411	10.0	10.6	
* 65 Acenaphthene-d10	164	7.304	7.307	-0.003	95	49147	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.328	7.331	-0.003	64	13652	10.0	10.0	
67 Acenaphthene	154	7.334	7.337	-0.003	87	16516	10.0	10.8	
68 2,4-Dinitrophenol	184	7.351	7.360	-0.009	62	4858	20.0	19.8	a
69 4-Nitrophenol	65	7.410	7.425	-0.015	87	5306	20.0	20.4	
70 2,4-Dinitrotoluene	165	7.475	7.484	-0.009	91	5417	10.0	10.7	
71 Dibenzofuran	168	7.492	7.501	-0.009	92	22435	10.0	10.5	
72 2,3,4,6-Tetrachlorophenol	232	7.610	7.613	-0.003	87	5322	10.0	10.1	
73 Diethyl phthalate	149	7.710	7.719	-0.009	95	18221	10.0	10.5	
75 Fluorene	166	7.816	7.819	-0.003	81	17531	10.0	10.5	
74 4-Chlorophenyl phenyl ethe	204	7.816	7.819	-0.003	73	9452	10.0	10.9	
76 4-Nitroaniline	138	7.828	7.842	-0.014	84	4679	10.0	10.6	
77 4,6-Dinitro-2-methylphenol	198	7.857	7.872	-0.015	55	6232	20.0	20.2	
78 N-Nitrosodiphenylamine	169	7.922	7.931	-0.009	97	13243	10.0	10.4	
79 1,2-Diphenylhydrazine	77	7.963	7.972	-0.009	95	14526	10.0	10.3	
$ 80 2,4,6-Tribromophenol	330	8.039	8.048	-0.009	64	4821	10.0	10.2	
81 4-Bromophenyl phenyl ether	248	8.275	8.278	-0.003	91	6450	10.0	10.3	
83 Hexachlorobenzene	284	8.339	8.342	-0.003	82	8053	10.0	10.2	
85 Pentachlorophenol	266	8.522	8.525	-0.003	86	9346	20.0	20.6	
86 Pentachloronitrobenzene	237	8.539	8.542	-0.003	81	2737	10.0	10.1	
87 n-Octadecane	57	8.604	8.607	-0.003	82	8427	10.0	9.87	
* 88 Phenanthrene-d10	188	8.692	8.695	-0.003	98	92989	40.0	40.0	
89 Phenanthrene	178	8.716	8.719	-0.003	94	27547	10.0	10.6	
90 Anthracene	178	8.763	8.766	-0.003	96	27938	10.0	10.6	
91 Carbazole	167	8.910	8.919	-0.009	82	24291	10.0	10.6	
92 Di-n-butyl phthalate	149	9.251	9.254	-0.003	98	29408	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
93 Fluoranthene	202	9.833	9.836	-0.003	98	31080	10.0	10.6	
94 Benzidine	184	9.957	9.960	-0.003	95	17397	10.0	9.59	
95 Pyrene	202	10.045	10.048	-0.003	97	32680	10.0	10.9	
82 Bisphenol-A	213	10.092	10.095	-0.003	90	14288	10.0	9.90	
$ 96 Terphenyl-d14	244	10.198	10.201	-0.003	94	26713	10.0	10.7	
97 Butyl benzyl phthalate	149	10.698	10.701	-0.003	89	12216	10.0	10.4	
99 Carbamazepine	193	10.804	10.813	-0.009	86	11392	10.0	10.1	
100 3,3'-Dichlorobenzidine	252	11.269	11.277	-0.008	94	12683	10.0	10.4	
101 Benzo[a]anthracene	228	11.292	11.301	-0.009	98	32100	10.0	10.7	
* 102 Chrysene-d12	240	11.310	11.313	-0.003	98	95661	40.0	40.0	
103 Chrysene	228	11.333	11.342	-0.009	91	28769	10.0	10.6	
104 Bis(2-ethylhexyl) phthalat	149	11.351	11.354	-0.003	75	17930	10.0	10.4	
105 Di-n-octyl phthalate	149	12.174	12.177	-0.003	87	29498	10.0	10.2	
106 Benzo[b]fluoranthene	252	12.651	12.666	-0.015	96	33466	10.0	10.4	
107 Benzo[k]fluoranthene	252	12.692	12.701	-0.009	98	37847	10.0	11.6	
108 Benzo[a]pyrene	252	13.098	13.113	-0.015	96	33018	10.0	11.0	
* 109 Perylene-d12	264	13.186	13.189	-0.003	99	112060	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.721	14.742	-0.021	98	36225	10.0	10.7	
111 Dibenz(a,h)anthracene	278	14.768	14.783	-0.015	96	35270	10.0	10.8	
112 Benzo[g,h,i]perylene	276	15.151	15.183	-0.032	87	35973	10.0	10.5	
S 119 Total Cresols	1				0			20.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

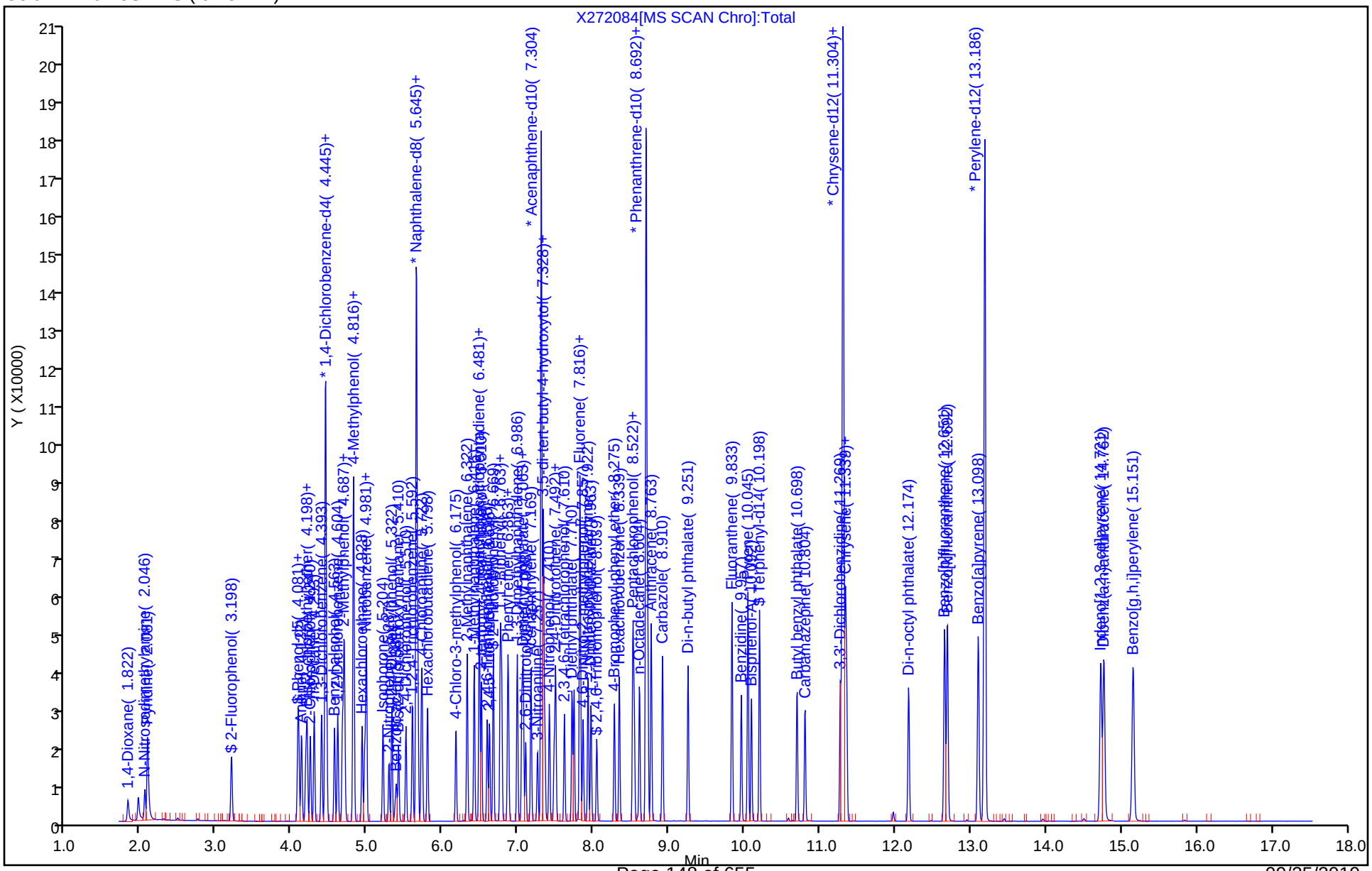
SV_IC_BNA_L4_00020 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:48:49 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272084.d				
Injection Date:	24-Aug-2019 10:11:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	STD10			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272085.d
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Aug-2019 10:34:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-007
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:48:54 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:26:24

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	1.828	1.813	0.015	83	1455	5.00	4.95	
2 N-Nitrosodimethylamine	74	2.052	2.043	0.009	81	2295	5.00	4.79	a
3 Pyridine	79	2.087	2.078	0.009	92	7006	10.0	9.56	
$ 4 2-Fluorophenol	112	3.199	3.196	0.003	85	4147	5.00	4.83	
$ 6 Phenol-d5	99	4.075	4.084	-0.009	94	4923	5.00	4.84	
7 Phenol	94	4.087	4.096	-0.009	93	5063	5.00	4.71	
8 Aniline	93	4.122	4.125	-0.003	12	6124	5.00	4.82	
9 Bis(2-chloroethyl)ether	93	4.181	4.184	-0.003	77	3851	5.00	5.01	
10 Benzonitrile	103	4.199	4.207	-0.008	92	7799	NC	NC	
11 2-Chlorophenol	128	4.240	4.243	-0.003	90	4531	5.00	4.77	
12 n-Decane	43	4.293	4.290	0.003	89	4109	5.00	4.88	
13 1,3-Dichlorobenzene	146	4.393	4.390	0.003	92	5305	5.00	4.96	
* 14 1,4-Dichlorobenzene-d4	152	4.440	4.443	-0.003	93	27755	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.457	4.460	-0.003	86	5440	5.00	5.03	
16 Benzyl alcohol	108	4.563	4.566	-0.003	86	2709	5.00	4.75	
17 1,2-Dichlorobenzene	146	4.604	4.607	-0.003	89	4973	5.00	4.87	
18 2-Methylphenol	108	4.669	4.672	-0.003	83	3886	5.00	4.98	
19 2,2'-oxybis[1-chloropropan	45	4.699	4.696	0.003	58	5247	5.00	4.93	
20 N-Methylaniline	106	4.810	4.813	-0.003	69	5983	5.00	4.82	
24 4-Methylphenol	108	4.810	4.819	-0.009	75	4276	5.00	4.93	
23 3 & 4 Methylphenol	108	4.810	4.819	-0.009	75	4276	5.00	4.93	
21 Acetophenone	105	4.816	4.825	-0.009	84	5921	5.00	5.03	
22 N-Nitrosodi-n-propylamine	70	4.816	4.825	-0.009	58	2807	5.00	5.12	
25 Hexachloroethane	117	4.928	4.925	0.003	82	1788	5.00	4.90	
$ 26 Nitrobenzene-d5	82	4.963	4.966	-0.003	74	4049	5.00	4.86	
28 Nitrobenzene	123	4.981	4.984	-0.003	88	2065	5.00	5.09	
27 n,n'-Dimethylaniline	120	4.987	4.990	-0.003	83	6635	5.00	4.94	
31 Isophorone	82	5.204	5.213	-0.009	92	7060	5.00	4.87	
32 2-Nitrophenol	139	5.287	5.284	0.003	85	2334	5.00	4.74	
33 2,4-Dimethylphenol	122	5.322	5.325	-0.003	72	3742	5.00	4.85	
34 Bis(2-chloroethoxy)methane	93	5.410	5.413	-0.003	84	4678	5.00	4.93	

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	5.369	5.437	-0.068	52	1495	5.00	4.96	a
36 2,4-Dichlorophenol	162	5.510	5.513	-0.003	85	3714	5.00	4.76	
37 1,2,4-Trichlorobenzene	180	5.593	5.595	-0.002	83	4552	5.00	5.07	
* 38 Naphthalene-d8	136	5.646	5.648	-0.002	99	102059	40.0	40.0	
39 Naphthalene	128	5.669	5.672	-0.003	89	13118	5.00	5.06	
40 4-Chloroaniline	127	5.716	5.719	-0.003	78	5463	5.00	4.99	
41 Hexachlorobutadiene	225	5.798	5.795	0.003	84	2799	5.00	4.99	
43 4-Chloro-3-methylphenol	107	6.169	6.178	-0.009	78	3354	5.00	4.88	
44 2-Methylnaphthalene	142	6.322	6.325	-0.003	81	8776	5.00	4.95	
45 1-Methylnaphthalene	142	6.416	6.419	-0.003	71	8398	5.00	5.05	
47 1,2,4,5-Tetrachlorobenzene	216	6.481	6.484	-0.003	92	4818	5.00	5.03	
46 Hexachlorocyclopentadiene	237	6.481	6.484	-0.003	69	3182	5.00	4.71	
48 2-tertbutyl-4-methylphenol	149	6.510	6.513	-0.003	67	5593	5.00	4.92	
49 2,4,6-Trichlorophenol	196	6.587	6.590	-0.003	82	3303	5.00	5.20	
50 2,4,5-Trichlorophenol	196	6.616	6.619	-0.003	74	3279	5.00	4.89	
$ 51 2-Fluorobiphenyl	172	6.669	6.672	-0.003	90	10448	5.00	5.00	
52 1,1'-Biphenyl	154	6.763	6.766	-0.003	91	10972	5.00	5.15	
53 2-Chloronaphthalene	162	6.781	6.784	-0.003	97	8534	5.00	5.11	
54 Phenyl ether	170	6.863	6.866	-0.003	74	5502	5.00	4.93	
56 2-Nitroaniline	65	6.869	6.878	-0.009	79	2275	5.00	4.81	
57 1,3-Dimethylnaphthalene	156	6.987	6.989	-0.002	88	6519	5.00	4.97	
58 Dimethyl phthalate	163	7.045	7.054	-0.009	94	9516	5.00	5.00	
59 Coumarin	146	7.063	7.072	-0.009	76	3147	5.00	5.04	
60 2,6-Dinitrotoluene	165	7.098	7.107	-0.009	9	2111	5.00	5.13	
61 Acenaphthylene	152	7.169	7.172	-0.003	94	12473	5.00	4.94	
64 3-Nitroaniline	138	7.251	7.266	-0.015	89	2238	5.00	4.86	
* 65 Acenaphthene-d10	164	7.304	7.307	-0.003	96	54390	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.328	7.331	-0.003	53	7455	5.00	4.95	
67 Acenaphthene	154	7.334	7.337	-0.003	69	8666	5.00	5.12	
68 2,4-Dinitrophenol	184	7.351	7.360	-0.009	32	2223	10.0	9.55	a
69 4-Nitrophenol	65	7.410	7.425	-0.015	82	2790	10.0	9.70	
70 2,4-Dinitrotoluene	165	7.475	7.484	-0.009	80	2830	5.00	5.05	a
71 Dibenzofuran	168	7.492	7.501	-0.009	87	12078	5.00	5.12	
72 2,3,4,6-Tetrachlorophenol	232	7.610	7.613	-0.003	80	2852	5.00	4.87	
73 Diethyl phthalate	149	7.710	7.719	-0.009	85	9480	5.00	4.94	
75 Fluorene	166	7.816	7.819	-0.003	80	9365	5.00	5.05	
74 4-Chlorophenyl phenyl ethe	204	7.816	7.819	-0.003	65	4925	5.00	5.12	
76 4-Nitroaniline	138	7.822	7.842	-0.020	61	2411	5.00	4.94	
77 4,6-Dinitro-2-methylphenol	198	7.857	7.872	-0.015	52	2902	10.0	9.44	
78 N-Nitrosodiphenylamine	169	7.922	7.931	-0.009	95	7019	5.00	5.00	
79 1,2-Diphenylhydrazine	77	7.963	7.972	-0.009	94	7568	5.00	4.87	
$ 80 2,4,6-Tribromophenol	330	8.040	8.048	-0.008	38	2526	5.00	4.84	
81 4-Bromophenyl phenyl ether	248	8.275	8.278	-0.003	85	3405	5.00	4.89	
83 Hexachlorobenzene	284	8.339	8.342	-0.003	76	4198	5.00	4.82	
85 Pentachlorophenol	266	8.522	8.525	-0.003	80	4749	10.0	9.48	
86 Pentachloronitrobenzene	237	8.539	8.542	-0.003	68	1363	5.00	4.55	
87 n-Octadecane	57	8.604	8.607	-0.003	76	4485	5.00	4.75	
* 88 Phenanthrene-d10	188	8.692	8.695	-0.003	98	102852	40.0	40.0	
89 Phenanthrene	178	8.716	8.719	-0.003	90	14625	5.00	5.10	
90 Anthracene	178	8.763	8.766	-0.003	93	14695	5.00	5.02	
91 Carbazole	167	8.910	8.919	-0.009	75	12684	5.00	4.98	
92 Di-n-butyl phthalate	149	9.251	9.254	-0.003	95	15048	5.00	4.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.834	9.836	-0.002	98	16398	5.00	5.04	
94 Benzidine	184	9.957	9.960	-0.003	88	9533	5.00	4.75	
95 Pyrene	202	10.045	10.048	-0.003	96	16750	5.00	4.93	
82 Bisphenol-A	213	10.092	10.095	-0.003	79	7309	5.00	4.48	
$ 96 Terphenyl-d14	244	10.198	10.201	-0.003	90	14155	5.00	5.00	
97 Butyl benzyl phthalate	149	10.698	10.701	-0.003	84	6236	5.00	4.68	
99 Carbamazepine	193	10.804	10.813	-0.009	68	5508	5.00	4.31	
100 3,3'-Dichlorobenzidine	252	11.269	11.277	-0.008	78	6492	5.00	4.69	
101 Benzo[a]anthracene	228	11.292	11.301	-0.009	73	16839	5.00	4.97	
* 102 Chrysene-d12	240	11.310	11.313	-0.003	98	108164	40.0	40.0	
103 Chrysene	228	11.333	11.342	-0.009	91	15884	5.00	5.19	
104 Bis(2-ethylhexyl) phthalat	149	11.351	11.354	-0.003	64	8983	5.00	4.60	
105 Di-n-octyl phthalate	149	12.175	12.177	-0.002	81	14486	5.00	4.36	
106 Benzo[b]fluoranthene	252	12.651	12.666	-0.015	93	17735	5.00	4.79	
107 Benzo[k]fluoranthene	252	12.686	12.701	-0.015	97	19236	5.00	5.13	
108 Benzo[a]pyrene	252	13.098	13.113	-0.015	93	16914	5.00	4.91	
* 109 Perylene-d12	264	13.186	13.189	-0.003	99	128494	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.721	14.742	-0.021	96	17957	5.00	4.62	
111 Dibenz(a,h)anthracene	278	14.763	14.783	-0.020	95	18507	5.00	4.94	
112 Benzo[g,h,i]perylene	276	15.151	15.183	-0.032	86	18456	5.00	4.70	
S 119 Total Cresols	1				0			9.92	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L3_00023 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:48:55 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272085.d

Injection Date: 24-Aug-2019 10:34:30 Instrument ID: CBNAMS5 Operator ID:

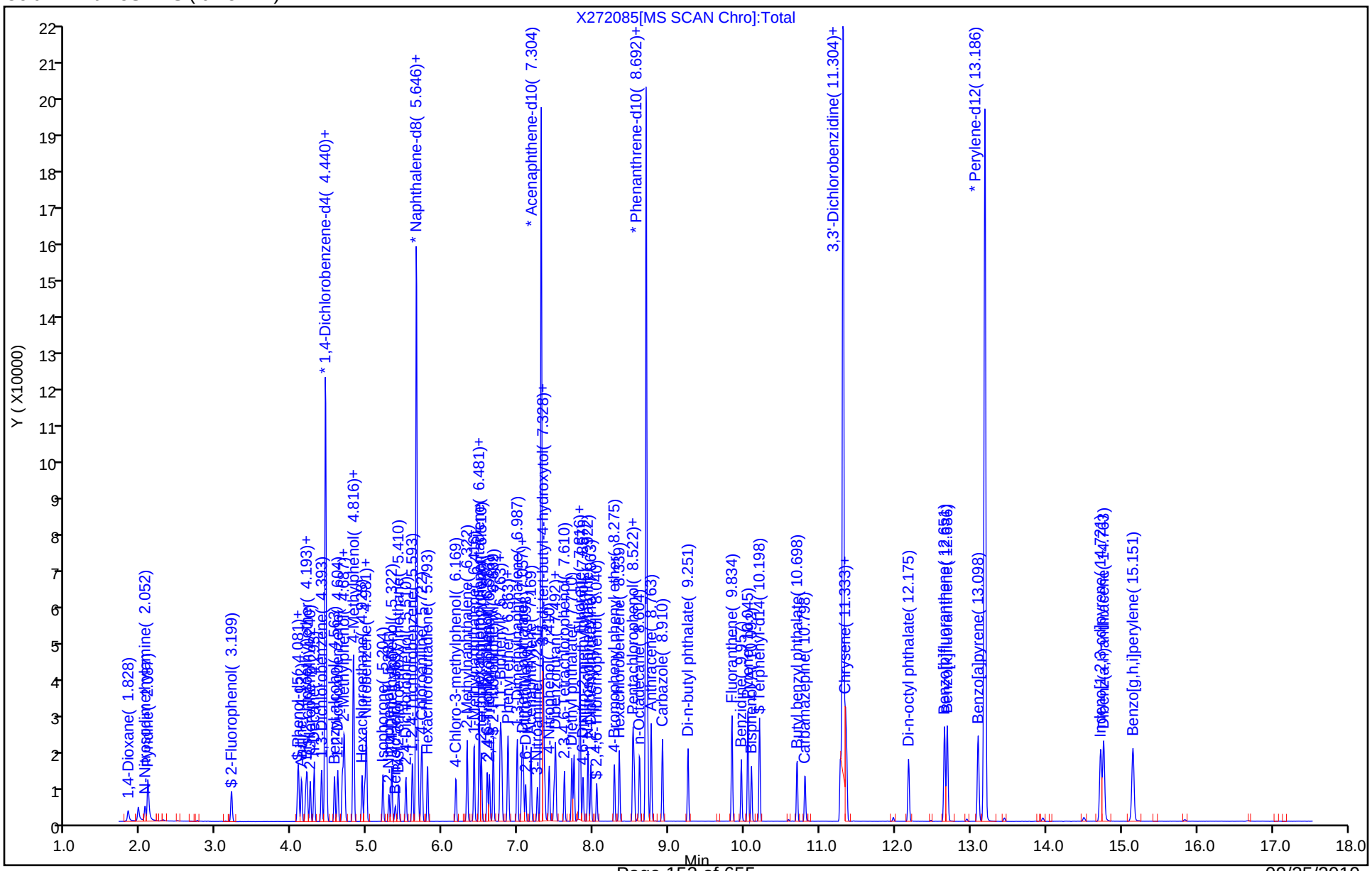
Lims ID: STD5 Worklist Smp#: 7

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)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272086.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Aug-2019 10:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-008
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:49:00 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:26:55

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	1.828	1.813	0.015	53	577	2.00	1.98	
$ 4 2-Fluorophenol	112	3.199	3.196	0.003	67	1664	2.00	1.95	
$ 6 Phenol-d5	99	4.075	4.084	-0.009	87	1913	2.00	1.90	
9 Bis(2-chloroethyl)ether	93	4.181	4.184	-0.003	68	1455	2.00	1.91	
* 14 1,4-Dichlorobenzene-d4	152	4.440	4.443	-0.003	93	27510	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.816	4.825	-0.009	58	1027	2.00	1.89	
25 Hexachloroethane	117	4.928	4.925	0.003	73	699	2.00	1.93	
$ 26 Nitrobenzene-d5	82	4.963	4.966	-0.003	58	1565	2.00	1.87	
28 Nitrobenzene	123	4.981	4.984	-0.003	76	788	2.00	1.96	
27 n,n'-Dimethylaniline	120	4.987	4.990	-0.003	74	2692	2.00	2.02	
31 Isophorone	82	5.204	5.213	-0.009	76	2740	2.00	1.88	
36 2,4-Dichlorophenol	162	5.510	5.513	-0.003	47	1429	2.00	1.82	
37 1,2,4-Trichlorobenzene	180	5.592	5.595	-0.003	52	1793	2.00	1.99	
* 38 Naphthalene-d8	136	5.645	5.648	-0.003	99	102587	40.0	40.0	
41 Hexachlorobutadiene	225	5.792	5.795	-0.003	59	1136	2.00	2.02	
49 2,4,6-Trichlorophenol	196	6.587	6.590	-0.003	53	1151	2.00	1.82	
$ 51 2-Fluorobiphenyl	172	6.669	6.672	-0.003	74	4045	2.00	1.95	
60 2,6-Dinitrotoluene	165	7.098	7.107	-0.009	1	730	2.00	1.78	
* 65 Acenaphthene-d10	164	7.304	7.307	-0.003	96	54080	40.0	40.0	
68 2,4-Dinitrophenol	184	7.351	7.360	-0.009	7	539	4.00	4.07	a
70 2,4-Dinitrotoluene	165	7.475	7.484	-0.009	43	1071	2.00	1.92	a
77 4,6-Dinitro-2-methylphenol	198	7.857	7.872	-0.015	35	914	4.00	4.08	
$ 80 2,4,6-Tribromophenol	330	8.039	8.048	-0.009	1	931	2.00	1.79	
83 Hexachlorobenzene	284	8.339	8.342	-0.003	55	1730	2.00	2.00	
85 Pentachlorophenol	266	8.522	8.525	-0.003	41	1611	4.00	3.23	
* 88 Phenanthrene-d10	188	8.692	8.695	-0.003	98	102266	40.0	40.0	
$ 96 Terphenyl-d14	244	10.198	10.201	-0.003	66	5895	2.00	2.06	
100 3,3'-Dichlorobenzidine	252	11.269	11.277	-0.008	37	2498	2.00	1.78	
101 Benzo[a]anthracene	228	11.333	11.301	0.032	59	6348	2.00	1.85	
* 102 Chrysene-d12	240	11.304	11.313	-0.009	99	109426	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.651	12.666	-0.015	89	6979	2.00	1.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	12.686	12.701	-0.015	88	7239	2.00	1.94	
108 Benzo[a]pyrene	252	13.098	13.113	-0.015	89	6507	2.00	1.90	
* 109 Perylene-d12	264	13.186	13.189	-0.003	99	127879	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.721	14.742	-0.021	90	7078	2.00	1.83	
111 Dibenz(a,h)anthracene	278	14.762	14.783	-0.021	87	6930	2.00	1.86	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L0_00018 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:49:01 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272086.d

Injection Date: 24-Aug-2019 10:57:30 Instrument ID: CBNAMS5 Operator ID:

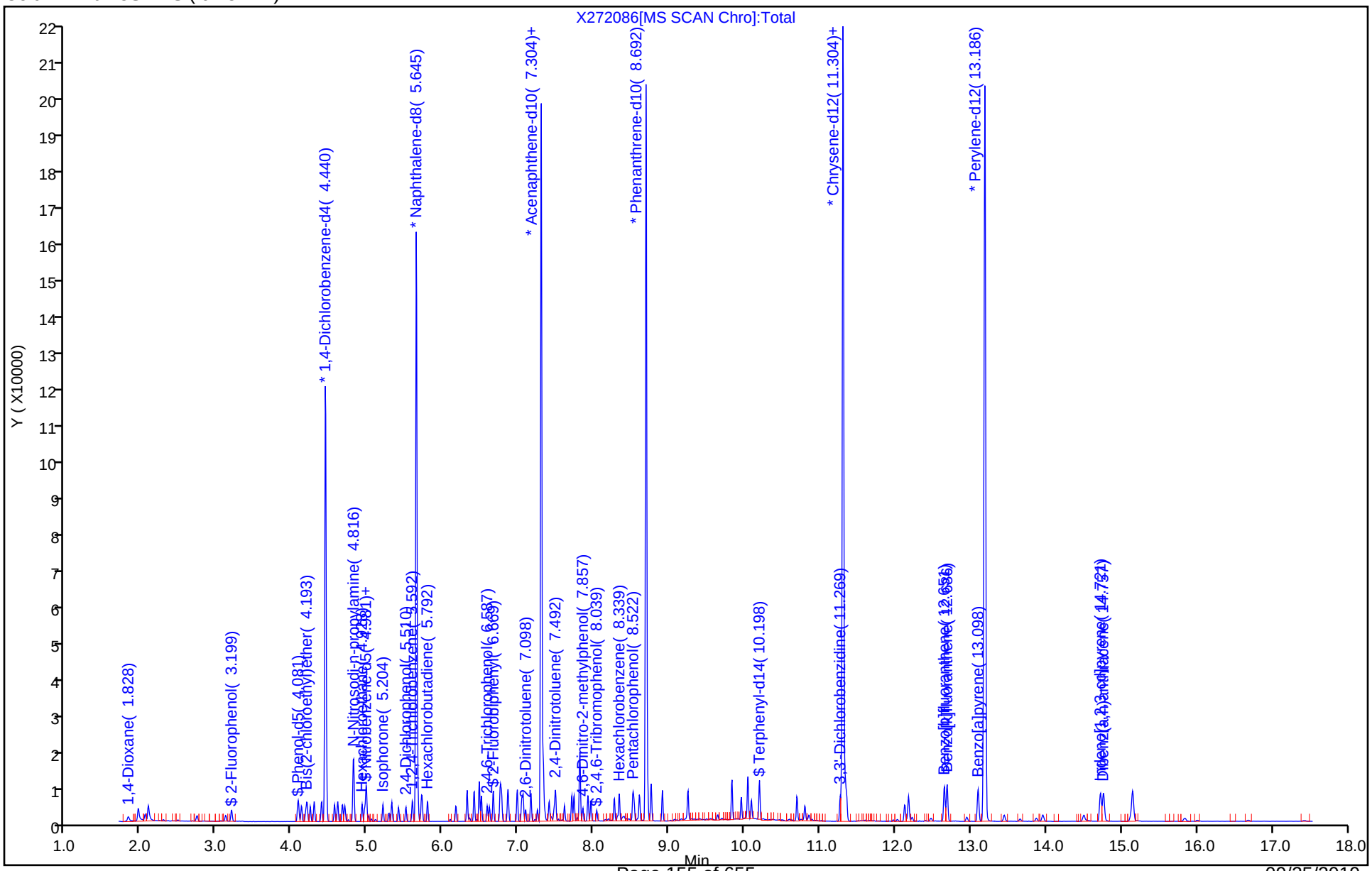
Lims ID: STD2 Worklist Smp#: 8

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)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272087.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Aug-2019 11:21:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-009
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:49:05 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:27:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.813	0.015	39	261	1.00	0.9115	a
$ 4 2-Fluorophenol	112	3.198	3.196	0.002	42	863	1.00	1.03	
$ 6 Phenol-d5	99	4.075	4.084	-0.009	64	1073	1.00	1.08	
9 Bis(2-chloroethyl)ether	93	4.181	4.184	-0.003	62	763	1.00	1.02	
* 14 1,4-Dichlorobenzene-d4	152	4.440	4.443	-0.003	93	27060	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.816	4.825	-0.009	39	491	1.00	0.9187	a
25 Hexachloroethane	117	4.928	4.925	0.003	58	325	1.00	0.9126	
$ 26 Nitrobenzene-d5	82	4.963	4.966	-0.003	36	777	1.00	0.9592	
28 Nitrobenzene	123	4.981	4.984	-0.003	65	360	1.00	0.9099	
27 n,n'-Dimethylaniline	120	4.987	4.990	-0.003	50	1341	1.00	1.02	a
37 1,2,4-Trichlorobenzene	180	5.592	5.595	-0.003	24	839	1.00	0.9609	
* 38 Naphthalene-d8	136	5.645	5.648	-0.003	99	99210	40.0	40.0	
41 Hexachlorobutadiene	225	5.798	5.795	0.003	34	526	1.00	0.9651	
$ 51 2-Fluorobiphenyl	172	6.669	6.672	-0.003	58	2119	1.00	1.08	
60 2,6-Dinitrotoluene	165	7.098	7.107	-0.009	1	327	1.00	0.8446	a
* 65 Acenaphthene-d10	164	7.304	7.307	-0.003	96	51130	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.475	7.484	-0.009	1	420	1.00	0.7970	a
$ 80 2,4,6-Tribromophenol	330	8.039	8.048	-0.009	1	462	1.00	0.9421	
83 Hexachlorobenzene	284	8.339	8.342	-0.003	4	830	1.00	1.03	
* 88 Phenanthrene-d10	188	8.692	8.695	-0.003	98	95096	40.0	40.0	
$ 96 Terphenyl-d14	244	10.198	10.201	-0.003	31	2545	1.00	0.9897	
101 Benzo[a]anthracene	228	11.292	11.301	-0.009	23	3159	1.00	1.03	
* 102 Chrysene-d12	240	11.304	11.313	-0.009	99	98171	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.651	12.666	-0.015	75	3241	1.00	0.9666	
107 Benzo[k]fluoranthene	252	12.686	12.701	-0.015	70	3195	1.00	0.9397	
108 Benzo[a]pyrene	252	13.098	13.113	-0.015	80	2965	1.00	0.9503	
* 109 Perylene-d12	264	13.186	13.189	-0.003	99	116420	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.715	14.742	-0.027	76	3278	1.00	0.9310	
111 Dibenz(a,h)anthracene	278	14.756	14.783	-0.027	20	3077	1.00	0.9073	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L2_00020 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:49:06 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272087.d

Injection Date: 24-Aug-2019 11:21:30 Instrument ID: CBNAMS5 Operator ID:

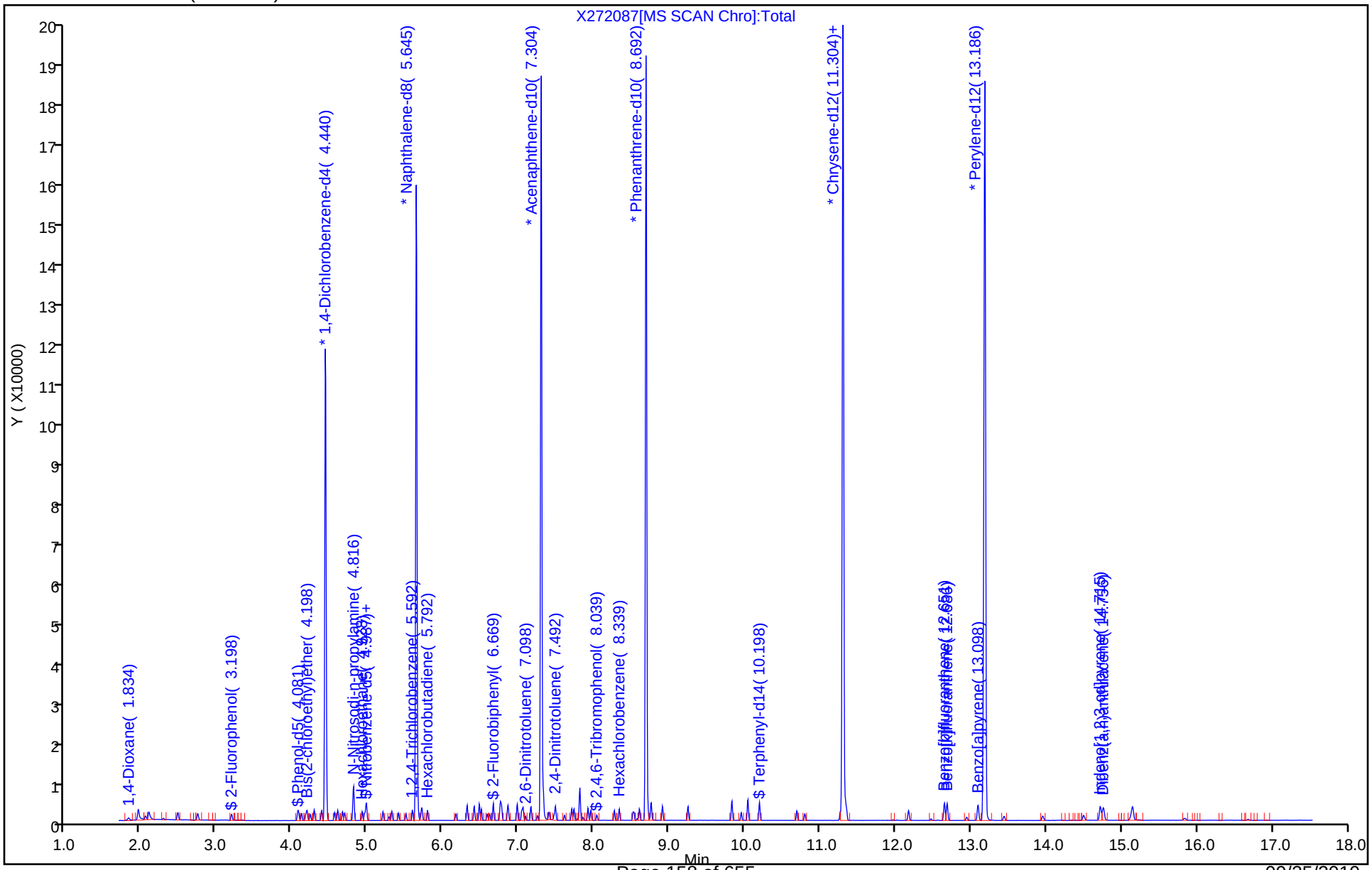
Lims ID: STD1 Worklist Smp#: 9

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)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272088.d
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Aug-2019 11:44:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-010
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:49:11 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:28:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.813	0.015	6	133	0.5000	0.4430	a
9 Bis(2-chloroethyl)ether	93	4.181	4.184	-0.003	61	386	0.5000	0.4909	
* 14 1,4-Dichlorobenzene-d4	152	4.440	4.443	-0.003	94	28373	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.816	4.825	-0.009	10	239	0.5000	0.4265	a
25 Hexachloroethane	117	4.928	4.925	0.003	17	179	0.5000	0.4794	
$ 26 Nitrobenzene-d5	82	4.963	4.966	-0.003	8	477	0.5000	0.5450	
28 Nitrobenzene	123	4.981	4.984	-0.003	26	179	0.5000	0.4315	a
27 n,n'-Dimethylaniline	120	4.987	4.990	-0.003	7	705	0.5000	0.5132	a
37 1,2,4-Trichlorobenzene	180	5.592	5.595	-0.003	7	448	0.5000	0.4748	
* 38 Naphthalene-d8	136	5.645	5.648	-0.003	99	107207	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.669	6.672	-0.003	14	1227	0.5000	0.5641	a
* 65 Acenaphthene-d10	164	7.304	7.307	-0.003	96	56596	40.0	40.0	
83 Hexachlorobenzene	284	8.339	8.342	-0.003	1	431	0.5000	0.4784	
* 88 Phenanthrene-d10	188	8.692	8.695	-0.003	98	106356	40.0	40.0	
$ 96 Terphenyl-d14	244	10.198	10.201	-0.003	20	1489	0.5000	0.5062	
101 Benzo[a]anthracene	228	11.292	11.301	-0.009	14	1951	0.5000	0.5546	
* 102 Chrysene-d12	240	11.304	11.313	-0.009	99	112293	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.651	12.666	-0.015	60	1823	0.5000	0.4688	
107 Benzo[k]fluoranthene	252	12.686	12.701	-0.015	42	1864	0.5000	0.4728	
108 Benzo[a]pyrene	252	13.098	13.113	-0.015	63	1653	0.5000	0.4569	
* 109 Perylene-d12	264	13.186	13.189	-0.003	99	135005	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.715	14.742	-0.027	50	1864	0.5000	0.4565	M
111 Dibenz(a,h)anthracene	278	14.757	14.783	-0.027	19	1797	0.5000	0.4569	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_IC_BNA_L1_00022 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:49:12 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272088.d

Injection Date: 24-Aug-2019 11:44:30 Instrument ID: CBNAMS5 Operator ID:

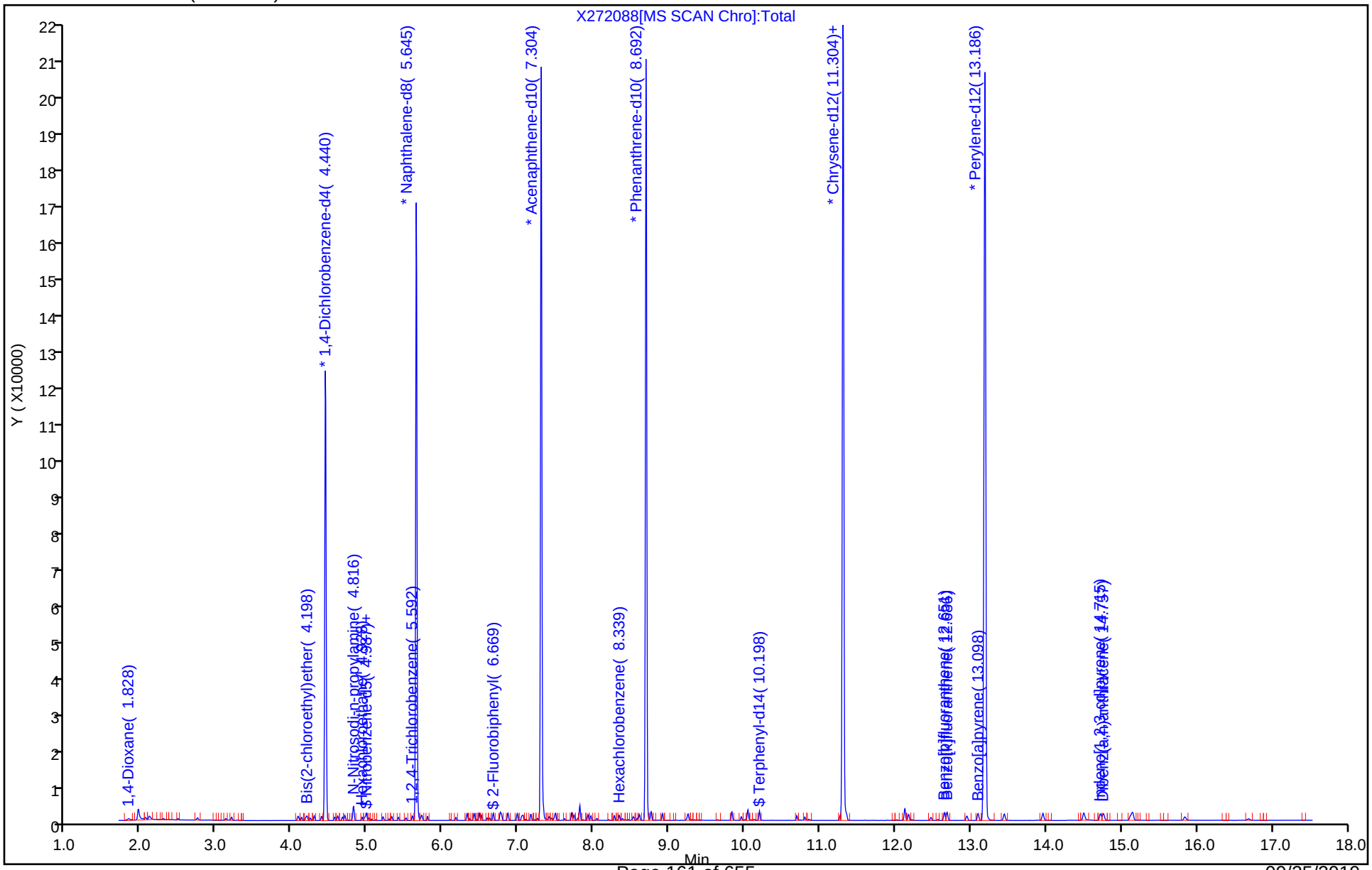
Lims ID: STD05 Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 10

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: ICV 460-603883/17 Calibration Date: 04/19/2019 18:52

Instrument ID: CBNAMS16 Calib Start Date: 04/19/2019 13:27

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/19/2019 16:03

Lab File ID: A1600907.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5008	0.5267	0.0100	5260	5000	5.2	30.0
N-Nitrosodimethylamine	Ave	0.7113	0.6986		4910	5000	-1.8	30.0
Pyridine	Ave	1.084	1.201		11100	10000	10.8	30.0
Aniline	Ave	1.992	1.973		4950	5000	-1.0	30.0
Phenol	Ave	1.710	1.651	0.8000	4830	5000	-3.4	30.0
Bis(2-chloroethyl)ether	Ave	1.228	1.184	0.7000	4820	5000	-3.6	30.0
2-Chlorophenol	Ave	1.444	1.416	0.8000	4910	5000	-1.9	30.0
n-Decane	Ave	1.141	1.129	0.0100	4950	5000	-1.1	30.0
1,3-Dichlorobenzene	Ave	1.615	1.532		4740	5000	-5.1	30.0
1,4-Dichlorobenzene	Ave	1.638	1.575		4810	5000	-3.8	30.0
Benzyl alcohol	Ave	0.7711	0.7567	0.0100	4910	5000	-1.9	30.0
1,2-Dichlorobenzene	Ave	1.535	1.506		4910	5000	-1.9	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.344	1.337	0.0100	4970	5000	-0.5	30.0
2-Methylphenol	Ave	1.202	1.165	0.7000	4850	5000	-3.0	30.0
N-Methylaniline	Ave	1.879	1.921		5110	5000	2.2	30.0
Acetophenone	Ave	1.929	1.897	0.0100	4920	5000	-1.7	30.0
N-Nitrosodi-n-propylamine	Ave	0.8678	0.8535	0.5000	4920	5000	-1.7	30.0
3 & 4 Methylphenol	Ave	1.291	1.264		4900	5000	-2.1	30.0
4-Methylphenol	Ave	1.245	1.212	0.6000	4870	5000	-2.7	30.0
Hexachloroethane	Ave	0.5806	0.5485	0.3000	4720	5000	-5.5	30.0
n,n'-Dimethylaniline	Ave	2.109	2.003	0.0100	4750	5000	-5.0	30.0
Nitrobenzene	Ave	0.6554	0.6388	0.2000	4870	5000	-2.5	30.0
Isophorone	Ave	0.5915	0.5961	0.4000	5040	5000	0.8	30.0
2-Nitrophenol	Ave	0.1862	0.1800	0.1000	4830	5000	-3.4	30.0
2,4-Dimethylphenol	Ave	0.2947	0.2883	0.2000	4890	5000	-2.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.3584	0.3541	0.3000	4940	5000	-1.2	30.0
Benzoic acid	Lin2		0.1537		4590	5000	-8.2	30.0
2,4-Dichlorophenol	Ave	0.2830	0.2763	0.2000	4880	5000	-2.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3087	0.3051		4940	5000	-1.2	30.0
Naphthalene	Ave	1.048	1.040	0.7000	4960	5000	-0.7	30.0
4-Chloroaniline	Ave	0.4123	0.4084	0.0100	4950	5000	-0.9	30.0
Hexachlorobutadiene	Ave	0.1644	0.1677	0.0100	5100	5000	2.0	30.0
4-Chloro-3-methylphenol	Ave	0.2775	0.2737		4930	5000	-1.4	30.0
2-Methylnaphthalene	Ave	0.6773	0.6797	0.4000	5020	5000	0.3	30.0
1-Methylnaphthalene	Ave	0.6304	0.6094	0.0100	4830	5000	-3.3	30.0
Hexachlorocyclopentadiene	Ave	0.3824	0.4061	0.0500	5310	5000	6.2	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5758	0.6134	0.0100	5330	5000	6.5	30.0
2-tertbutyl-4-methylphenol	Ave	0.4276	0.4207	0.0100	4920	5000	-1.6	30.0
2,4,6-Trichlorophenol	Ave	0.3785	0.4158	0.2000	5490	5000	9.8	30.0
2,4,5-Trichlorophenol	Ave	0.4026	0.4351	0.2000	5400	5000	8.1	30.0
1,1'-Biphenyl	Ave	1.646	1.772	0.0100	5380	5000	7.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: ICV 460-603883/17 Calibration Date: 04/19/2019 18:52

Instrument ID: CBNAMS16 Calib Start Date: 04/19/2019 13:27

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/19/2019 16:03

Lab File ID: A1600907.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.278	1.367	0.8000	5350	5000	7.0	30.0
Phenyl ether	Ave	0.8202	0.8674	0.0100	5290	5000	5.8	30.0
2-Nitroaniline	Ave	0.3946	0.4354	0.0100	5520	5000	10.4	30.0
1,3-Dimethylnaphthalene	Ave	0.997	1.090	0.0100	5460	5000	9.3	30.0
Dimethyl phthalate	Ave	1.340	1.494	0.0100	5580	5000	11.5	30.0
Coumarin	Ave	0.2039	0.2056	0.0100	5040	5000	0.9	30.0
2,6-Dinitrotoluene	Ave	0.2842	0.3280	0.2000	5770	5000	15.4	30.0
Acenaphthylene	Ave	1.949	2.159	0.9000	5540	5000	10.7	30.0
3-Nitroaniline	Ave	0.3162	0.3575	0.0100	5650	5000	13.0	30.0
Acenaphthene	Ave	1.172	1.252	0.9000	5340	5000	6.9	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.011	1.173	0.0100	5800	5000	16.0	30.0
2,4-Dinitrophenol	Qua		0.1377	0.0100	10300	10000	2.8	30.0
4-Nitrophenol	Ave	0.2316	0.2608	0.0100	11300	10000	12.6	30.0
2,4-Dinitrotoluene	Ave	0.3688	0.4217	0.2000	5720	5000	14.3	30.0
Dibenzofuran	Ave	1.708	1.832	0.8000	5360	5000	7.2	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2870	0.3056	0.0100	5320	5000	6.5	30.0
Diethyl phthalate	Ave	1.346	1.451	0.0100	5390	5000	7.7	30.0
Fluorene	Ave	1.311	1.419	0.9000	5410	5000	8.2	30.0
4-Chlorophenyl phenyl ether	Ave	0.6057	0.6530	0.4000	5390	5000	7.8	30.0
4-Nitroaniline	Ave	0.2992	0.3406	0.0100	5690	5000	13.8	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1113	0.0100	8980	10000	-10.2	30.0
N-Nitrosodiphenylamine	Ave	0.6124	0.5819	0.0100	4750	5000	-5.0	30.0
1,2-Diphenylhydrazine	Ave	0.8334	0.7942	0.0100	4770	5000	-4.7	30.0
4-Bromophenyl phenyl ether	Ave	0.2107	0.2022	0.1000	4800	5000	-4.0	30.0
Hexachlorobenzene	Ave	0.2205	0.2156	0.1000	4890	5000	-2.2	30.0
Pentachlorophenol	Ave	0.1208	0.1181	0.0500	9770	10000	-2.3	30.0
Pentachloronitrobenzene	Ave	0.0957	0.0970	0.0100	5070	5000	1.4	30.0
n-Octadecane	Ave	0.4483	0.4430	0.0100	4940	5000	-1.2	30.0
Phenanthrene	Ave	1.145	1.132	0.7000	4940	5000	-1.1	30.0
Anthracene	Ave	1.171	1.137	0.7000	4850	5000	-2.9	30.0
Carbazole	Ave	1.009	0.9787	0.0100	4850	5000	-3.0	30.0
Di-n-butyl phthalate	Ave	1.187	1.176	0.0100	4950	5000	-0.9	30.0
Fluoranthene	Ave	1.053	1.029	0.6000	4890	5000	-2.3	30.0
Benzidine	Ave	0.6299	0.5465		4340	5000	-13.2	30.0
Pyrene	Ave	1.603	1.633	0.6000	5090	5000	1.9	30.0
Bisphenol-A	Ave	0.6287	0.5836		4640	5000	-7.2	30.0
Butyl benzyl phthalate	Ave	0.6766	0.6955	0.0100	5140	5000	2.8	30.0
Carbamazepine	Ave	0.6227	0.5891	0.0100	4730	5000	-5.4	30.0
3,3'-Dichlorobenzidine	Ave	0.4610	0.4662	0.0100	5060	5000	1.1	30.0
Benzo[a]anthracene	Ave	1.347	1.329	0.8000	4930	5000	-1.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: ICV 460-603883/17 Calibration Date: 04/19/2019 18:52

Instrument ID: CBNAMS16 Calib Start Date: 04/19/2019 13:27

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/19/2019 16:03

Lab File ID: A1600907.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.221	1.256	0.7000	5150	5000	2.9	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8886	0.9256	0.0100	5210	5000	4.2	30.0
Di-n-octyl phthalate	Ave	1.652	1.727	0.0100	5230	5000	4.5	30.0
Benzo[b]fluoranthene	Ave	1.212	1.213	0.7000	5000	5000	0.0	30.0
Benzo[k]fluoranthene	Ave	1.239	1.421	0.7000	5730	5000	14.7	30.0
Benzo[a]pyrene	Ave	1.115	1.193	0.7000	5350	5000	7.0	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.360	1.289	0.5000	4740	5000	-5.3	30.0
Dibenz(a,h)anthracene	Ave	1.326	1.314	0.4000	4960	5000	-0.9	30.0
Benzo[g,h,i]perylene	Ave	1.438	1.347	0.5000	4680	5000	-6.3	30.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600907.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 19-Apr-2019 18:52:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0089811-017
Operator ID: Instrument ID: CBNAMS16
Sublist:

Method: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2019 13:38:59 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: xuyvo Date: 20-Apr-2019 13:21:17

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	1.675	1.740	-0.065	93	175429	5.00	5.26	
2 N-Nitrosodimethylamine	74	1.857	1.916	-0.059	84	232678	5.00	4.91	
3 Pyridine	79	1.887	1.946	-0.059	93	800349	10.0	11.1	
8 Aniline	93	3.781	3.787	-0.006	97	657251	5.00	4.95	
7 Phenol	94	3.787	3.798	-0.011	99	550048	5.00	4.83	
9 Bis(2-chloroethyl)ether	93	3.840	3.846	-0.006	98	394229	5.00	4.82	
10 Benzonitrile	103	3.851	3.863	-0.012	99	824589	NC	NC	
11 2-Chlorophenol	128	3.904	3.910	-0.006	97	471716	5.00	4.91	
12 n-Decane	43	3.945	3.946	-0.001	87	375870	5.00	4.95	
13 1,3-Dichlorobenzene	146	4.040	4.046	-0.005	95	510244	5.00	4.74	
* 14 1,4-Dichlorobenzene-d4	152	4.092	4.093	-0.001	96	532910	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.110	4.110	0.000	95	524561	5.00	4.81	
16 Benzyl alcohol	108	4.240	4.245	-0.005	92	252019	5.00	4.91	
17 1,2-Dichlorobenzene	146	4.257	4.257	0.000	96	501545	5.00	4.91	
19 2,2'-oxybis[1-chloropropan	45	4.357	4.363	-0.006	89	445423	5.00	4.97	
18 2-Methylphenol	108	4.363	4.369	-0.006	87	388043	5.00	4.85	
20 N-Methylaniline	106	4.475	4.481	-0.006	97	639920	5.00	5.11	
21 Acetophenone	105	4.481	4.487	-0.006	94	631835	5.00	4.92	
22 N-Nitrosodi-n-propylamine	70	4.487	4.493	-0.006	88	284276	5.00	4.92	
23 3 & 4 Methylphenol	108	4.516	4.522	-0.006	96	421077	5.00	4.90	
24 4-Methylphenol	108	4.516	4.522	-0.006	96	403753	5.00	4.87	
25 Hexachloroethane	117	4.575	4.581	-0.006	93	182670	5.00	4.72	
28 Nitrobenzene	123	4.645	4.651	-0.006	94	212764	5.00	4.87	
29 n,n'-Dimethylaniline	120	4.645	4.651	-0.006	93	667250	5.00	4.75	
30 Isophorone	82	4.869	4.881	-0.012	99	761675	5.00	5.04	
32 2-Nitrophenol	139	4.951	4.951	0.000	91	229911	5.00	4.83	
33 2,4-Dimethylphenol	122	5.016	5.022	-0.006	90	368313	5.00	4.89	
34 Bis(2-chloroethoxy)methane	93	5.087	5.093	-0.005	97	452389	5.00	4.94	
35 Benzoic acid	122	5.116	5.151	-0.035	87	196362	5.00	4.59	
36 2,4-Dichlorophenol	162	5.192	5.198	-0.006	95	353003	5.00	4.88	
37 1,2,4-Trichlorobenzene	180	5.257	5.263	-0.006	95	389837	5.00	4.94	

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	5.310	5.310	0.000	99	2044277	8.00	8.00	
39 Naphthalene	128	5.328	5.334	-0.006	99	1329219	5.00	4.96	
40 4-Chloroaniline	127	5.392	5.398	-0.006	97	521775	5.00	4.95	
41 Hexachlorobutadiene	225	5.457	5.463	-0.006	93	214300	5.00	5.10	
43 4-Chloro-3-methylphenol	107	5.881	5.887	-0.006	96	349656	5.00	4.93	
44 2-Methylnaphthalene	142	5.986	5.992	-0.006	85	868383	5.00	5.02	
45 1-Methylnaphthalene	142	6.081	6.087	-0.006	92	778639	5.00	4.83	
46 Hexachlorocyclopentadiene	237	6.145	6.151	-0.006	95	224190	5.00	5.31	
47 1,2,4,5-Tetrachlorobenzene	216	6.151	6.157	-0.006	95	338688	5.00	5.33	
48 2-tertbutyl-4-methylphenol	149	6.204	6.210	-0.006	89	537458	5.00	4.92	
49 2,4,6-Trichlorophenol	196	6.269	6.275	-0.006	88	229576	5.00	5.49	
50 2,4,5-Trichlorophenol	196	6.310	6.316	-0.006	96	240236	5.00	5.40	
52 1,1'-Biphenyl	154	6.433	6.439	-0.006	95	978197	5.00	5.38	
53 2-Chloronaphthalene	162	6.445	6.451	-0.006	97	754916	5.00	5.35	
54 Phenyl ether	170	6.533	6.534	-0.001	85	478927	5.00	5.29	
55 2-Nitroaniline	65	6.557	6.557	0.000	97	240411	5.00	5.52	
57 1,3-Dimethylnaphthalene	156	6.657	6.657	0.000	90	601814	5.00	5.46	
59 Dimethyl phthalate	163	6.733	6.739	-0.006	98	824788	5.00	5.58	
60 Coumarin	146	6.739	6.745	-0.006	79	262720	5.00	5.04	
61 2,6-Dinitrotoluene	165	6.786	6.787	0.000	94	181109	5.00	5.77	
62 Acenaphthylene	152	6.833	6.839	-0.006	98	1191827	5.00	5.54	
63 3-Nitroaniline	138	6.945	6.951	-0.006	96	197354	5.00	5.65	
* 64 Acenaphthene-d10	164	6.969	6.969	0.000	96	883388	8.00	8.00	
66 Acenaphthene	154	7.004	7.004	0.000	95	691249	5.00	5.34	
65 3,5-di-tert-butyl-4-hydrox	205	7.010	7.010	0.000	97	647586	5.00	5.80	
67 2,4-Dinitrophenol	184	7.039	7.045	-0.006	94	152101	10.0	10.3	
68 4-Nitrophenol	65	7.145	7.157	-0.012	89	288009	10.0	11.3	a
69 2,4-Dinitrotoluene	165	7.163	7.163	0.000	85	232812	5.00	5.72	
70 Dibenzofuran	168	7.163	7.169	-0.006	98	1011581	5.00	5.36	
72 2,3,4,6-Tetrachlorophenol	232	7.292	7.298	-0.006	90	168744	5.00	5.32	
73 Diethyl phthalate	149	7.398	7.404	-0.006	98	800916	5.00	5.39	
75 Fluorene	166	7.486	7.486	0.000	95	783622	5.00	5.41	
74 4-Chlorophenyl phenyl ethe	204	7.492	7.492	0.000	87	360523	5.00	5.39	
76 4-Nitroaniline	138	7.522	7.528	-0.006	84	188021	5.00	5.69	
77 4,6-Dinitro-2-methylphenol	198	7.545	7.551	-0.006	83	209119	10.0	8.98	
78 N-Nitrosodiphenylamine	169	7.604	7.610	-0.006	73	546787	5.00	4.75	
79 1,2-Diphenylhydrazine	77	7.639	7.645	-0.006	99	746359	5.00	4.77	
81 4-Bromophenyl phenyl ether	248	7.951	7.951	0.000	85	189974	5.00	4.80	
82 Hexachlorobenzene	284	8.010	8.010	0.000	99	202583	5.00	4.89	
84 Pentachlorophenol	266	8.204	8.204	0.000	90	221957	10.0	9.77	
85 Pentachloronitrobenzene	237	8.210	8.210	0.000	85	91191	5.00	5.07	
86 n-Octadecane	57	8.292	8.292	0.000	92	416303	5.00	4.94	
* 87 Phenanthrene-d10	188	8.363	8.363	0.000	98	1503570	8.00	8.00	
88 Phenanthrene	178	8.386	8.386	0.000	97	1063903	5.00	4.94	
89 Anthracene	178	8.433	8.433	0.000	99	1068776	5.00	4.85	
90 Carbazole	167	8.592	8.598	-0.006	96	919722	5.00	4.85	
91 Di-n-butyl phthalate	149	8.933	8.939	-0.006	99	1105538	5.00	4.95	
92 Fluoranthene	202	9.498	9.504	-0.006	98	967411	5.00	4.89	
93 Benzidine	184	9.639	9.639	0.000	99	513578	5.00	4.34	
94 Pyrene	202	9.710	9.710	0.000	98	998924	5.00	5.09	
95 Bisphenol-A	213	9.804	9.798	0.006	98	356909	5.00	4.64	
97 Butyl benzyl phthalate	149	10.351	10.351	0.000	96	425342	5.00	5.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	10.445	10.451	-0.006	92	360287	5.00	4.73	
100 3,3'-Dichlorobenzidine	252	10.886	10.886	0.000	99	285107	5.00	5.06	
101 Benzo[a]anthracene	228	10.898	10.898	0.000	99	813065	5.00	4.93	
* 102 Chrysene-d12	240	10.910	10.904	0.006	99	978519	8.00	8.00	
104 Chrysene	228	10.933	10.939	-0.006	99	768283	5.00	5.15	
103 Bis(2-ethylhexyl) phthalat	149	10.968	10.969	-0.001	85	566086	5.00	5.21	
105 Di-n-octyl phthalate	149	11.733	11.739	-0.006	96	990803	5.00	5.23	
106 Benzo[b]fluoranthene	252	12.163	12.163	0.000	99	695650	5.00	5.00	
107 Benzo[k]fluoranthene	252	12.192	12.198	-0.006	99	815098	5.00	5.73	
108 Benzo[a]pyrene	252	12.574	12.580	-0.006	97	684432	5.00	5.35	
* 109 Perylene-d12	264	12.657	12.651	0.006	99	917929	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.086	14.092	-0.006	99	739528	5.00	4.74	
111 Dibenz(a,h)anthracene	278	14.121	14.127	-0.006	97	753995	5.00	4.96	
112 Benzo[g,h,i]perylene	276	14.451	14.462	-0.011	98	772675	5.00	4.68	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

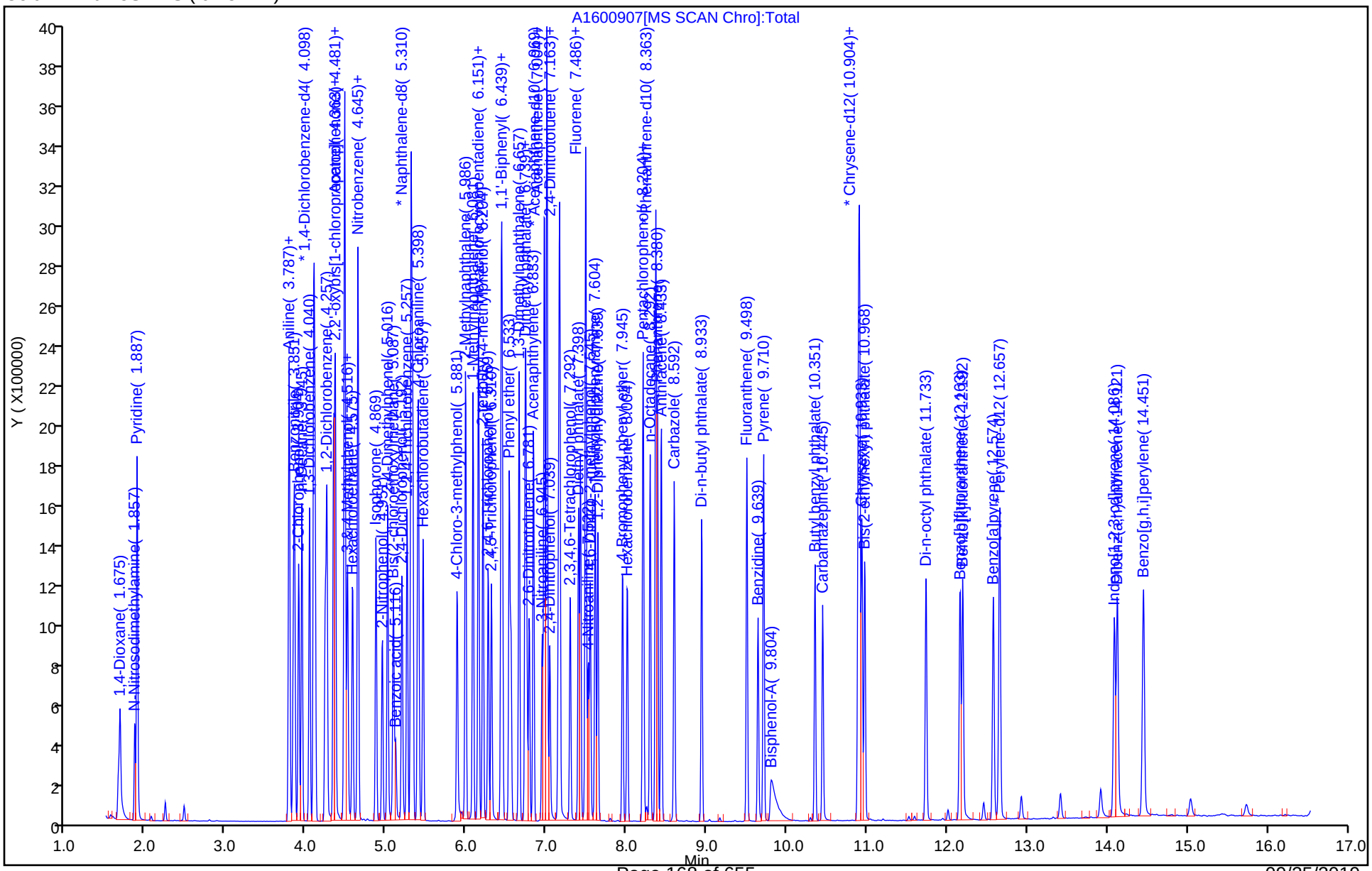
SM_ICV LVI_00028 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2019 13:39:06 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600907.D				
Injection Date:	19-Apr-2019 18:52:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	17
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635316/2 Calibration Date: 08/27/2019 18:11

Instrument ID: CBNAMS16 Calib Start Date: 04/19/2019 13:27

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/19/2019 16:03

Lab File ID: A163404.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5008	0.5102	0.0100	10200	10000	1.9	20.0
N-Nitrosodimethylamine	Ave	0.7113	0.7913		11100	10000	11.2	20.0
Pyridine	Ave	1.084	1.075		19800	20000	-0.9	20.0
Aniline	Ave	1.992	1.942		9750	10000	-2.5	20.0
Phenol	Ave	1.710	1.746	0.8000	10200	10000	2.1	20.0
Bis(2-chloroethyl)ether	Ave	1.228	1.267	0.7000	10300	10000	3.2	20.0
2-Chlorophenol	Ave	1.444	1.473	0.8000	10200	10000	2.0	20.0
n-Decane	Ave	1.141	1.286	0.0100	11300	10000	12.7	20.0
1,3-Dichlorobenzene	Ave	1.615	1.508		9340	10000	-6.6	20.0
1,4-Dichlorobenzene	Ave	1.638	1.543		9420	10000	-5.8	20.0
1,2-Dichlorobenzene	Ave	1.535	1.448		9430	10000	-5.7	20.0
Benzyl alcohol	Ave	0.7711	0.5299	0.0100	6870	10000	-31.3*	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.344	1.586	0.0100	11800	10000	18.0	20.0
2-Methylphenol	Ave	1.202	1.313	0.7000	10900	10000	9.3	20.0
N-Methylaniline	Ave	1.879	1.950		10400	10000	3.8	20.0
Acetophenone	Ave	1.929	1.823	0.0100	9450	10000	-5.5	20.0
N-Nitrosodi-n-propylamine	Ave	0.8678	0.9006	0.5000	10400	10000	3.8	20.0
3 & 4 Methylphenol	Ave	1.291	1.393		10800	10000	7.9	20.0
4-Methylphenol	Ave	1.245	1.317	0.6000	10600	10000	5.7	20.0
Hexachloroethane	Ave	0.5806	0.5710	0.3000	9830	10000	-1.7	20.0
n,n'-Dimethylaniline	Ave	2.109	2.019	0.0100	9570	10000	-4.3	20.0
Nitrobenzene	Ave	0.6554	0.6566	0.2000	10000	10000	0.2	20.0
Isophorone	Ave	0.5915	0.6168	0.4000	10400	10000	4.3	20.0
2-Nitrophenol	Ave	0.1862	0.1898	0.1000	10200	10000	1.9	20.0
2,4-Dimethylphenol	Ave	0.2947	0.2898	0.2000	9830	10000	-1.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.3584	0.3845	0.3000	10700	10000	7.3	20.0
Benzoic acid	Lin2		0.1962		10600	10000	6.4	20.0
2,4-Dichlorophenol	Ave	0.2830	0.2644	0.2000	9340	10000	-6.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3087	0.2834		9180	10000	-8.2	20.0
Naphthalene	Ave	1.048	1.001	0.7000	9560	10000	-4.4	20.0
4-Chloroaniline	Ave	0.4123	0.3802	0.0100	9220	10000	-7.8	20.0
Hexachlorobutadiene	Ave	0.1644	0.1394	0.0100	8480	10000	-15.2	20.0
4-Chloro-3-methylphenol	Ave	0.2775	0.2665		9600	10000	-4.0	20.0
2-Methylnaphthalene	Ave	0.6773	0.6566	0.4000	9690	10000	-3.1	20.0
1-Methylnaphthalene	Ave	0.6304	0.5892	0.0100	9350	10000	-6.5	20.0
Hexachlorocyclopentadiene	Ave	0.3824	0.2810	0.0500	7350	10000	-26.5*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5758	0.5333	0.0100	9260	10000	-7.4	20.0
2-tertbutyl-4-methylphenol	Ave	0.4276	0.4164	0.0100	9740	10000	-2.6	20.0
2,4,6-Trichlorophenol	Ave	0.3785	0.3708	0.2000	9790	10000	-2.1	20.0
2,4,5-Trichlorophenol	Ave	0.4026	0.4039	0.2000	10000	10000	0.3	20.0
1,1'-Biphenyl	Ave	1.646	1.644	0.0100	9980	10000	-0.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635316/2 Calibration Date: 08/27/2019 18:11

Instrument ID: CBNAMS16 Calib Start Date: 04/19/2019 13:27

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/19/2019 16:03

Lab File ID: A163404.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.278	1.249	0.8000	9780	10000	-2.2	20.0
Phenyl ether	Ave	0.8202	0.8309	0.0100	10100	10000	1.3	20.0
2-Nitroaniline	Ave	0.3946	0.3758	0.0100	9520	10000	-4.8	20.0
1,3-Dimethylnaphthalene	Ave	0.997	1.064	0.0100	10700	10000	6.6	20.0
Coumarin	Ave	0.2039	0.1984	0.0100	9730	10000	-2.7	20.0
Dimethyl phthalate	Ave	1.340	1.308	0.0100	9760	10000	-2.4	20.0
2,6-Dinitrotoluene	Ave	0.2842	0.2991	0.2000	10500	10000	5.2	20.0
Acenaphthylene	Ave	1.949	1.919	0.9000	9850	10000	-1.5	20.0
3-Nitroaniline	Ave	0.3162	0.3407	0.0100	10800	10000	7.7	20.0
Acenaphthene	Ave	1.172	1.159	0.9000	9890	10000	-1.1	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.011	1.005	0.0100	9940	10000	-0.6	20.0
2,4-Dinitrophenol	Qua		0.1683	0.0100	21900	20000	9.3	20.0
Dibenzofuran	Ave	1.708	1.649	0.8000	9650	10000	-3.5	20.0
4-Nitrophenol	Ave	0.2316	0.2339	0.0100	20200	20000	1.0	20.0
2,4-Dinitrotoluene	Ave	0.3688	0.3867	0.2000	10500	10000	4.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2870	0.2611	0.0100	9100	10000	-9.0	20.0
Diethyl phthalate	Ave	1.346	1.331	0.0100	9880	10000	-1.2	20.0
Fluorene	Ave	1.311	1.281	0.9000	9770	10000	-2.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6057	0.5562	0.4000	9180	10000	-8.2	20.0
4-Nitroaniline	Ave	0.2992	0.3299	0.0100	11000	10000	10.3	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1196	0.0100	18300	20000	-8.7	20.0
N-Nitrosodiphenylamine	Ave	0.6124	0.6084	0.0100	9930	10000	-0.7	20.0
1,2-Diphenylhydrazine	Ave	0.8334	0.8963	0.0100	10800	10000	7.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2107	0.1910	0.1000	9070	10000	-9.3	20.0
Hexachlorobenzene	Ave	0.2205	0.1873	0.1000	8490	10000	-15.1	20.0
Pentachlorophenol	Ave	0.1208	0.1017	0.0500	16800	20000	-15.9	20.0
Pentachloronitrobenzene	Ave	0.0957	0.0868	0.0100	9080	10000	-9.2	20.0
n-Octadecane	Ave	0.4483	0.5310	0.0100	11800	10000	18.5	20.0
Phenanthrene	Ave	1.145	1.129	0.7000	9860	10000	-1.4	20.0
Anthracene	Ave	1.171	1.135	0.7000	9690	10000	-3.1	20.0
Carbazole	Ave	1.009	1.001	0.0100	9920	10000	-0.8	20.0
Di-n-butyl phthalate	Ave	1.187	1.338	0.0100	11300	10000	12.7	20.0
Fluoranthene	Ave	1.053	1.033	0.6000	9800	10000	-2.0	20.0
Benzidine	Ave	0.6299	0.4068		6460	10000	-35.4*	20.0
Pyrene	Ave	1.603	1.586	0.6000	9890	10000	-1.1	20.0
Bisphenol-A	Ave	0.6287	0.7568		12000	10000	20.4*	20.0
Butyl benzyl phthalate	Ave	0.6766	0.8109	0.0100	12000	10000	19.8	20.0
2,3,7,8-TCDD	Ave	0.2043	0.1597	0.0100	78.1	100	-21.9*	20.0
Carbamazepine	Ave	0.6227	0.7129	0.0100	11400	10000	14.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4610	0.4651	0.0100	10100	10000	0.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635316/2 Calibration Date: 08/27/2019 18:11

Instrument ID: CBNAMS16 Calib Start Date: 04/19/2019 13:27

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/19/2019 16:03

Lab File ID: A163404.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.347	1.307	0.8000	9700	10000	-3.0	20.0
Chrysene	Ave	1.221	1.314	0.7000	10800	10000	7.7	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8886	1.110	0.0100	12500	10000	24.9*	20.0
Di-n-octyl phthalate	Ave	1.652	1.816	0.0100	11000	10000	9.9	20.0
Benzo[b]fluoranthene	Ave	1.212	1.195	0.7000	9870	10000	-1.3	20.0
Benzo[k]fluoranthene	Ave	1.239	1.313	0.7000	10600	10000	6.0	20.0
Benzo[a]pyrene	Ave	1.115	1.178	0.7000	10600	10000	5.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.360	1.257	0.5000	9240	10000	-7.6	20.0
Dibenz(a,h)anthracene	Ave	1.326	1.244	0.4000	9380	10000	-6.2	20.0
Benzo[g,h,i]perylene	Ave	1.438	1.324	0.5000	9200	10000	-8.0	20.0
2-Fluorophenol (Surr)	Ave	1.328	1.317		9920	10000	-0.8	20.0
Phenol-d5 (Surr)	Ave	1.532	1.543		10100	10000	0.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3528	0.3570		10100	10000	1.2	20.0
2-Fluorobiphenyl	Ave	1.491	1.452		9740	10000	-2.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1548	0.1260		8140	10000	-18.6	20.0
Terphenyl-d14 (Surr)	Ave	1.099	0.9423		8570	10000	-14.3	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163404.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Aug-2019 18:11:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096727-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 28-Aug-2019 14:25:01 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0310

First Level Reviewer: eisam Date: 27-Aug-2019 18:57:17

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	1.349	1.349	0.000	94	343489	10.0	10.2	
2 N-Nitrosodimethylamine	74	1.513	1.513	0.000	88	532778	10.0	11.1	
3 Pyridine	79	1.531	1.531	0.000	93	1447034	20.0	19.8	
$ 4 2-Fluorophenol	112	2.431	2.431	0.000	96	886844	10.0	9.92	
8 Aniline	93	3.284	3.284	0.000	98	1307364	10.0	9.75	
$ 6 Phenol-d5	99	3.290	3.290	0.000	0	1038889	10.0	10.1	
7 Phenol	94	3.301	3.301	0.000	99	1175824	10.0	10.2	
9 Bis(2-chloroethyl)ether	93	3.354	3.354	0.000	98	852945	10.0	10.3	
10 Benzonitrile	103	3.360	3.360	0.000	98	1764625	NC	NC	
11 2-Chlorophenol	128	3.407	3.407	0.000	97	991385	10.0	10.2	
12 n-Decane	43	3.460	3.460	0.000	89	865530	10.0	11.3	
13 1,3-Dichlorobenzene	146	3.548	3.548	0.000	95	1015409	10.0	9.34	
* 14 1,4-Dichlorobenzene-d4	152	3.601	3.601	0.000	96	538615	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.619	3.619	0.000	93	1038633	10.0	9.42	
17 1,2-Dichlorobenzene	146	3.772	3.772	0.000	94	974613	10.0	9.43	
16 Benzyl alcohol	108	3.778	3.778	0.000	93	356736	10.0	6.87	
19 2,2'-oxybis[1-chloropropan	45	3.895	3.895	0.000	93	1067611	10.0	11.8	
18 2-Methylphenol	108	3.907	3.907	0.000	89	884124	10.0	10.9	
20 N-Methylaniline	106	4.013	4.013	0.000	99	1312903	10.0	10.4	
21 Acetophenone	105	4.019	4.019	0.000	95	1227393	10.0	9.45	
22 N-Nitrosodi-n-propylamine	70	4.031	4.031	0.000	90	606359	10.0	10.4	
24 4-Methylphenol	108	4.066	4.066	0.000	95	886719	10.0	10.6	
23 3 & 4 Methylphenol	108	4.066	4.066	0.000	98	938161	10.0	10.8	
25 Hexachloroethane	117	4.101	4.101	0.000	93	384424	10.0	9.83	
$ 27 Nitrobenzene-d5	82	4.166	4.166	0.000	88	925799	10.0	10.1	
28 Nitrobenzene	123	4.190	4.190	0.000	93	442082	10.0	10.0	
29 n,n'-Dimethylaniline	120	4.190	4.190	0.000	93	1359223	10.0	9.57	
30 Isophorone	82	4.431	4.431	0.000	99	1599827	10.0	10.4	
32 2-Nitrophenol	139	4.507	4.507	0.000	92	492333	10.0	10.2	
33 2,4-Dimethylphenol	122	4.590	4.590	0.000	90	751530	10.0	9.83	
34 Bis(2-chloroethoxy)methane	93	4.666	4.666	0.000	98	997321	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	4.748	4.748	0.000	87	508811	10.0	10.6	Ma
36 2,4-Dichlorophenol	162	4.766	4.766	0.000	96	685694	10.0	9.34	
37 1,2,4-Trichlorobenzene	180	4.825	4.825	0.000	95	734913	10.0	9.18	
* 38 Naphthalene-d8	136	4.872	4.872	0.000	99	2074895	8.00	8.00	
39 Naphthalene	128	4.890	4.890	0.000	99	2597492	10.0	9.56	
40 4-Chloroaniline	127	4.972	4.972	0.000	97	986140	10.0	9.22	
41 Hexachlorobutadiene	225	5.031	5.031	0.000	91	361562	10.0	8.48	
43 4-Chloro-3-methylphenol	107	5.495	5.495	0.000	96	691145	10.0	9.60	
44 2-Methylnaphthalene	142	5.584	5.584	0.000	86	1703006	10.0	9.69	
45 1-Methylnaphthalene	142	5.678	5.678	0.000	93	1528215	10.0	9.35	
46 Hexachlorocyclopentadiene	237	5.748	5.748	0.000	94	319403	10.0	7.35	
47 1,2,4,5-Tetrachlorobenzene	216	5.754	5.754	0.000	95	606176	10.0	9.26	
48 2-tertbutyl-4-methylphenol	149	5.825	5.825	0.000	90	1079978	10.0	9.74	
49 2,4,6-Trichlorophenol	196	5.884	5.884	0.000	87	421408	10.0	9.79	
50 2,4,5-Trichlorophenol	196	5.925	5.925	0.000	96	459059	10.0	10.0	
$ 51 2-Fluorobiphenyl	172	5.954	5.954	0.000	98	1650912	10.0	9.74	
52 1,1'-Biphenyl	154	6.048	6.048	0.000	95	1868174	10.0	9.98	
53 2-Chloronaphthalene	162	6.054	6.054	0.000	98	1419869	10.0	9.78	
54 Phenyl ether	170	6.154	6.154	0.000	84	944473	10.0	10.1	
55 2-Nitroaniline	65	6.184	6.184	0.000	95	427092	10.0	9.52	
57 1,3-Dimethylnaphthalene	156	6.278	6.278	0.000	91	1209011	10.0	10.7	
60 Coumarin	146	6.372	6.372	0.000	72	514441	10.0	9.73	
59 Dimethyl phthalate	163	6.372	6.372	0.000	98	1486441	10.0	9.76	
61 2,6-Dinitrotoluene	165	6.425	6.425	0.000	96	339975	10.0	10.5	
62 Acenaphthylene	152	6.454	6.454	0.000	98	2181310	10.0	9.85	
63 3-Nitroaniline	138	6.584	6.584	0.000	95	387205	10.0	10.8	
* 64 Acenaphthene-d10	164	6.595	6.595	0.000	96	909307	8.00	8.00	
66 Acenaphthene	154	6.625	6.625	0.000	94	1317554	10.0	9.89	
65 3,5-di-tert-butyl-4-hydrox	205	6.648	6.648	0.000	98	1142539	10.0	9.94	
67 2,4-Dinitrophenol	184	6.695	6.695	0.000	93	382686	20.0	21.9	
70 Dibenzofuran	168	6.795	6.795	0.000	96	1873817	10.0	9.65	
68 4-Nitrophenol	65	6.807	6.807	0.000	84	531756	20.0	20.2	
69 2,4-Dinitrotoluene	165	6.813	6.813	0.000	95	439492	10.0	10.5	
72 2,3,4,6-Tetrachlorophenol	232	6.936	6.936	0.000	88	296730	10.0	9.10	
73 Diethyl phthalate	149	7.060	7.060	0.000	98	1512410	10.0	9.88	
75 Fluorene	166	7.125	7.125	0.000	95	1456267	10.0	9.77	
74 4-Chlorophenyl phenyl ethe	204	7.136	7.136	0.000	88	632186	10.0	9.18	
76 4-Nitroaniline	138	7.183	7.183	0.000	86	374983	10.0	11.0	
77 4,6-Dinitro-2-methylphenol	198	7.213	7.213	0.000	81	416459	20.0	18.3	
78 N-Nitrosodiphenylamine	169	7.260	7.260	0.000	73	1059079	10.0	9.93	
79 1,2-Diphenylhydrazine	77	7.289	7.289	0.000	99	1560112	10.0	10.8	
$ 80 2,4,6-Tribromophenol	330	7.366	7.366	0.000	87	143243	10.0	8.14	
81 4-Bromophenyl phenyl ether	248	7.607	7.607	0.000	81	332463	10.0	9.07	
82 Hexachlorobenzene	284	7.660	7.660	0.000	97	325981	10.0	8.49	
84 Pentachlorophenol	266	7.866	7.866	0.000	87	353961	20.0	16.8	
85 Pentachloronitrobenzene	237	7.872	7.872	0.000	82	151153	10.0	9.08	
86 n-Octadecane	57	7.978	7.978	0.000	91	924374	10.0	11.8	
* 87 Phenanthrene-d10	188	8.025	8.025	0.000	99	1392554	8.00	8.00	
88 Phenanthrene	178	8.048	8.048	0.000	97	1964838	10.0	9.86	
89 Anthracene	178	8.095	8.095	0.000	98	1975162	10.0	9.69	
90 Carbazole	167	8.266	8.266	0.000	96	1741555	10.0	9.92	
91 Di-n-butyl phthalate	149	8.630	8.630	0.000	99	2329114	10.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.183	9.183	0.000	98	1797770	10.0	9.80	
93 Benzidine	184	9.336	9.336	0.000	99	708185	10.0	6.46	
94 Pyrene	202	9.395	9.395	0.000	97	1834183	10.0	9.89	
$ 96 Terphenyl-d14	244	9.572	9.572	0.000	99	1090062	10.0	8.57	
95 Bisphenol-A	213	9.577	9.577	0.000	97	875523	10.0	12.0	
97 Butyl benzyl phthalate	149	10.060	10.060	0.000	97	938088	10.0	12.0	
98 2,3,7,8-TCDD	320	10.136	10.136	0.000	87	1847	0.1000	0.0781	
99 Carbamazepine	193	10.148	10.148	0.000	92	824705	10.0	11.4	
100 3,3'-Dichlorobenzidine	252	10.571	10.571	0.000	98	538015	10.0	10.1	
101 Benzo[a]anthracene	228	10.577	10.577	0.000	100	1511846	10.0	9.70	
* 102 Chrysene-d12	240	10.589	10.589	0.000	98	925454	8.00	8.00	
104 Chrysene	228	10.613	10.613	0.000	98	1520398	10.0	10.8	
103 Bis(2-ethylhexyl) phthalat	149	10.666	10.666	0.000	86	1283500	10.0	12.5	
105 Di-n-octyl phthalate	149	11.395	11.395	0.000	96	2211632	10.0	11.0	
106 Benzo[b]fluoranthene	252	11.783	11.783	0.000	98	1455950	10.0	9.87	
107 Benzo[k]fluoranthene	252	11.818	11.818	0.000	99	1599357	10.0	10.6	
108 Benzo[a]pyrene	252	12.171	12.171	0.000	96	1434303	10.0	10.6	
* 109 Perylene-d12	264	12.242	12.242	0.000	97	974294	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.548	13.548	0.000	98	1530790	10.0	9.24	M
111 Dibenz(a,h)anthracene	278	13.577	13.577	0.000	94	1514815	10.0	9.38	
112 Benzo[g,h,i]perylene	276	13.865	13.865	0.000	96	1611868	10.0	9.20	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

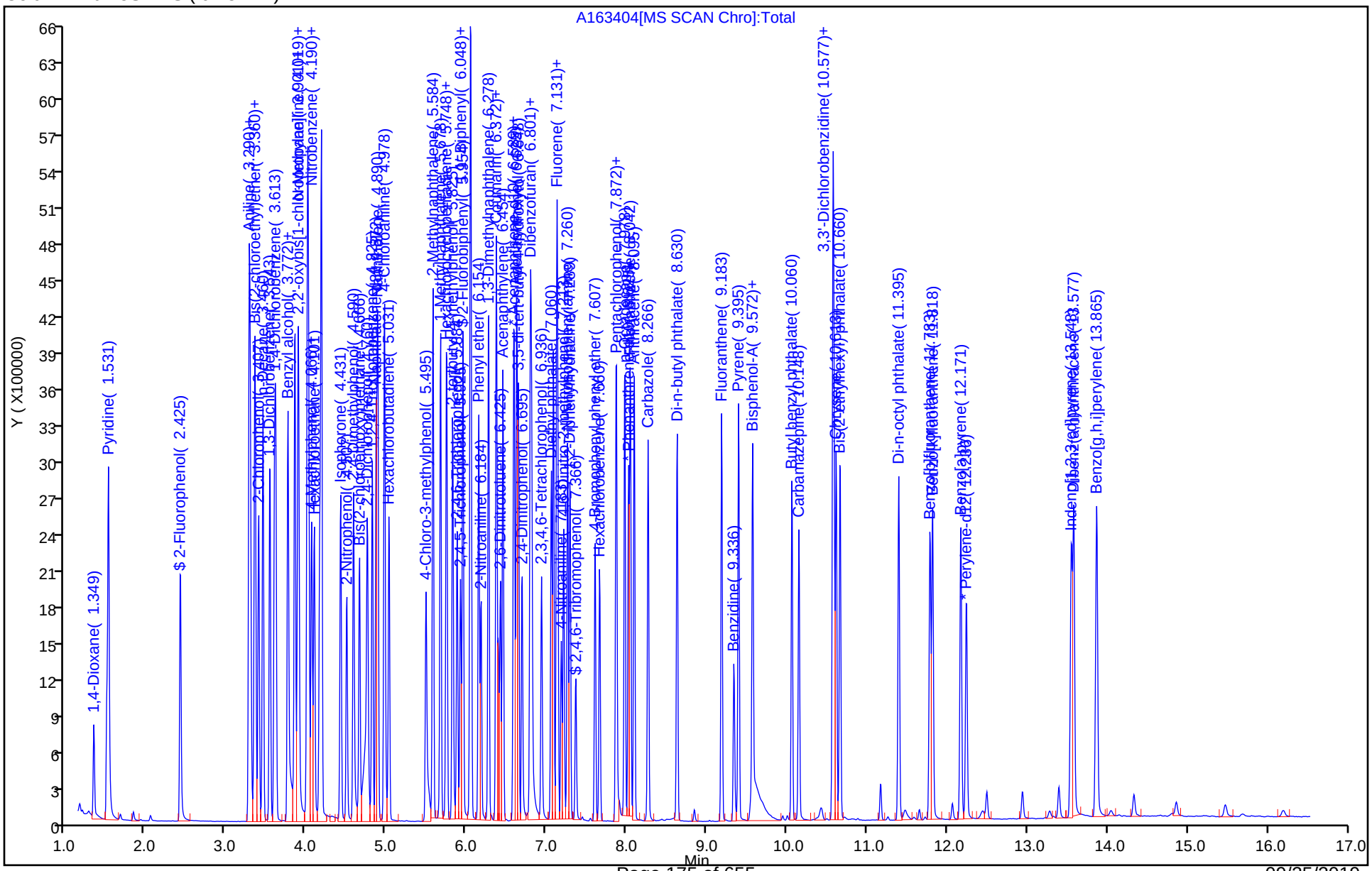
SM_BNAL6_00055 Amount Added: 1.00 Units: mL

Report Date: 28-Aug-2019 14:25:03 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163404.D				
Injection Date:	27-Aug-2019 18:11:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: ICV 460-634654/11 Calibration Date: 08/24/2019 12:07

Instrument ID: CBNAMS5 Calib Start Date: 08/24/2019 08:10

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2019 11:44

Lab File ID: X272089.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4233	0.4230	0.0100	25000	25000	-0.0	30.0
N-Nitrosodimethylamine	Ave	0.6909	0.6679		24200	25000	-3.3	30.0
Pyridine	Ave	1.056	1.165		55200	50000	10.3	30.0
Phenol	Ave	1.550	1.440	0.8000	23200	25000	-7.1	30.0
Aniline	Ave	1.833	1.834		25000	25000	0.0	30.0
Bis(2-chloroethyl)ether	Ave	1.109	1.088	0.7000	24500	25000	-1.9	30.0
2-Chlorophenol	Ave	1.369	1.332	0.8000	24300	25000	-2.7	30.0
n-Decane	Ave	1.214	1.165	0.0100	24000	25000	-4.0	30.0
1,3-Dichlorobenzene	Ave	1.541	1.516		24600	25000	-1.7	30.0
1,4-Dichlorobenzene	Ave	1.559	1.520		24400	25000	-2.5	30.0
Benzyl alcohol	Ave	0.8221	0.8018	0.0100	24400	25000	-2.5	30.0
1,2-Dichlorobenzene	Ave	1.471	1.428		24300	25000	-2.9	30.0
2-Methylphenol	Ave	1.124	1.079	0.7000	24000	25000	-4.0	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.534	1.487	0.0100	24200	25000	-3.1	30.0
N-Methylaniline	Ave	1.789	1.778		24800	25000	-0.6	30.0
3 & 4 Methylphenol	Ave	1.249	1.245		24900	25000	-0.3	30.0
4-Methylphenol	Ave	1.249	1.245	0.6000	24900	25000	-0.3	30.0
Acetophenone	Ave	1.697	1.678	0.0100	24700	25000	-1.1	30.0
N-Nitrosodi-n-propylamine	Ave	0.7901	0.8167	0.5000	25800	25000	3.4	30.0
Hexachloroethane	Ave	0.5264	0.5216	0.3000	24800	25000	-0.9	30.0
Nitrobenzene	Ave	0.5849	0.5914	0.2000	25300	25000	1.1	30.0
n,n'-Dimethylaniline	Ave	1.937	1.890	0.0100	24400	25000	-2.4	30.0
Isophorone	Ave	0.5680	0.5761	0.4000	25400	25000	1.4	30.0
2-Nitrophenol	Ave	0.1930	0.1907	0.1000	24700	25000	-1.2	30.0
2,4-Dimethylphenol	Ave	0.3026	0.3060	0.2000	25300	25000	1.1	30.0
Benzoic acid	Lin2		0.2027		23600	25000	-5.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.3718	0.3704	0.3000	24900	25000	-0.4	30.0
2,4-Dichlorophenol	Ave	0.3057	0.3151	0.2000	25800	25000	3.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3521	0.3604		25600	25000	2.4	30.0
Naphthalene	Ave	1.015	1.027	0.7000	25300	25000	1.2	30.0
4-Chloroaniline	Ave	0.4288	0.4342	0.0100	25300	25000	1.3	30.0
Hexachlorobutadiene	Ave	0.2197	0.2191	0.0100	24900	25000	-0.3	30.0
4-Chloro-3-methylphenol	Ave	0.2692	0.2657		24700	25000	-1.3	30.0
2-Methylnaphthalene	Ave	0.6944	0.6985	0.4000	25100	25000	0.6	30.0
1-Methylnaphthalene	Ave	0.6521	0.6502	0.0100	24900	25000	-0.3	30.0
Hexachlorocyclopentadiene	Ave	0.4973	0.5639	0.0500	28300	25000	13.4	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7038	0.7718	0.0100	27400	25000	9.6	30.0
2-tertbutyl-4-methylphenol	Ave	0.4459	0.4361	0.0100	24400	25000	-2.2	30.0
2,4,6-Trichlorophenol	Ave	0.4674	0.5132	0.2000	27400	25000	9.8	30.0
2,4,5-Trichlorophenol	Ave	0.4928	0.5382	0.2000	27300	25000	9.2	30.0
1,1'-Biphenyl	Ave	1.567	1.713	0.0100	27300	25000	9.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: ICV 460-634654/11 Calibration Date: 08/24/2019 12:07

Instrument ID: CBNAMS5 Calib Start Date: 08/24/2019 08:10

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2019 11:44

Lab File ID: X272089.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.227	1.344	0.8000	27400	25000	9.6	30.0
Phenyl ether	Ave	0.8216	0.8926	0.0100	27200	25000	8.6	30.0
2-Nitroaniline	Ave	0.3479	0.3654	0.0100	26300	25000	5.0	30.0
1,3-Dimethylnaphthalene	Ave	0.9647	1.049	0.0100	27200	25000	8.7	30.0
Dimethyl phthalate	Ave	1.400	1.536	0.0100	27400	25000	9.7	30.0
Coumarin	Ave	0.2445	0.2389	0.0100	24400	25000	-2.3	30.0
2,6-Dinitrotoluene	Ave	0.3029	0.3428	0.2000	28300	25000	13.2	30.0
Acenaphthylene	Ave	1.856	2.084	0.9000	28100	25000	12.3	30.0
3-Nitroaniline	Ave	0.3385	0.3736	0.0100	27600	25000	10.4	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.107	1.288	0.0100	29100	25000	16.3	30.0
Acenaphthene	Ave	1.246	1.428	0.9000	28700	25000	14.6	30.0
2,4-Dinitrophenol	Lin2		0.2373	0.0100	54900	50000	9.8	30.0
4-Nitrophenol	Ave	0.2115	0.2309	0.0100	54600	50000	9.2	30.0
2,4-Dinitrotoluene	Ave	0.4123	0.4773	0.2000	28900	25000	15.8	30.0
Dibenzofuran	Ave	1.735	1.910	0.8000	27500	25000	10.0	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.4309	0.4670	0.0100	27100	25000	8.4	30.0
Diethyl phthalate	Ave	1.410	1.502	0.0100	26600	25000	6.5	30.0
4-Chlorophenyl phenyl ether	Ave	0.7081	0.7718	0.4000	27200	25000	9.0	30.0
Fluorene	Ave	1.364	1.491	0.9000	27300	25000	9.4	30.0
4-Nitroaniline	Ave	0.3586	0.3881	0.0100	27100	25000	8.2	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1318	0.0100	47400	50000	-5.1	30.0
N-Nitrosodiphenylamine	Ave	0.5461	0.5471	0.0100	25000	25000	0.2	30.0
1,2-Diphenylhydrazine	Ave	0.6042	0.5817	0.0100	24100	25000	-3.7	30.0
4-Bromophenyl phenyl ether	Ave	0.2706	0.2667	0.1000	24600	25000	-1.4	30.0
Hexachlorobenzene	Ave	0.3388	0.3325	0.1000	24500	25000	-1.9	30.0
Pentachlorophenol	Ave	0.1948	0.2054	0.0500	52700	50000	5.4	30.0
Pentachloronitrobenzene	Ave	0.1165	0.1172	0.0100	25100	25000	0.6	30.0
n-Octadecane	Ave	0.3673	0.3697	0.0100	25200	25000	0.7	30.0
Phenanthrene	Ave	1.114	1.108	0.7000	24900	25000	-0.6	30.0
Anthracene	Ave	1.138	1.144	0.7000	25100	25000	0.5	30.0
Carbazole	Ave	0.9902	0.998	0.0100	25200	25000	0.8	30.0
Di-n-butyl phthalate	Ave	1.211	1.228	0.0100	25400	25000	1.5	30.0
Fluoranthene	Ave	1.266	1.257	0.6000	24800	25000	-0.7	30.0
Benzidine	Ave	0.7802	0.8031		25700	25000	2.9	30.0
Pyrene	Ave	1.255	1.273	0.6000	25400	25000	1.4	30.0
Bisphenol-A	Ave	0.6033	0.6151		25500	25000	1.9	30.0
Butyl benzyl phthalate	Ave	0.4925	0.5052	0.0100	25600	25000	2.6	30.0
Carbamazepine	Ave	0.4728	0.5014	0.0100	26500	25000	6.1	30.0
3,3'-Dichlorobenzidine	Ave	0.5121	0.5176	0.0100	25300	25000	1.1	30.0
Benzo[a]anthracene	Ave	1.253	1.283	0.8000	25600	25000	2.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: ICV 460-634654/11 Calibration Date: 08/24/2019 12:07

Instrument ID: CBNAMS5 Calib Start Date: 08/24/2019 08:10

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2019 11:44

Lab File ID: X272089.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.132	1.149	0.7000	25400	25000	1.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7221	0.7388	0.0100	25600	25000	2.3	30.0
Di-n-octyl phthalate	Ave	1.033	1.070	0.0100	25900	25000	3.5	30.0
Benzo[b]fluoranthene	Ave	1.152	1.160	0.7000	25200	25000	0.7	30.0
Benzo[k]fluoranthene	Ave	1.168	1.262	0.7000	27000	25000	8.0	30.0
Benzo[a]pyrene	Ave	1.072	1.122	0.7000	26200	25000	4.6	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.210	1.253	0.5000	25900	25000	3.6	30.0
Dibenz(a,h)anthracene	Ave	1.165	1.242	0.4000	26700	25000	6.6	30.0
Benzo[g,h,i]perylene	Ave	1.222	1.245	0.5000	25500	25000	1.9	30.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272089.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 24-Aug-2019 12:07:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096587-011
Operator ID: Instrument ID: CBNAMS5
Sublist:

Method: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 24-Aug-2019 16:49:11 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0334

First Level Reviewer: nimerd Date: 24-Aug-2019 12:37:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.828	1.813	0.015	92	7324	25.0	25.0	
2 N-Nitrosodimethylamine	74	2.051	2.043	0.008	87	11563	25.0	24.2	
3 Pyridine	79	2.087	2.078	0.009	93	40342	50.0	55.2	
7 Phenol	94	4.093	4.096	-0.003	97	24927	25.0	23.2	
8 Aniline	93	4.128	4.125	0.003	22	31758	25.0	25.0	
9 Bis(2-chloroethyl)ether	93	4.181	4.184	-0.003	93	18828	25.0	24.5	
10 Benzonitrile	103	4.198	4.207	-0.009	95	39744	NC	NC	
11 2-Chlorophenol	128	4.245	4.243	0.002	86	23067	25.0	24.3	
12 n-Decane	43	4.292	4.290	0.002	91	20167	25.0	24.0	
13 1,3-Dichlorobenzene	146	4.392	4.390	0.002	97	26238	25.0	24.6	
* 14 1,4-Dichlorobenzene-d4	152	4.445	4.443	0.002	93	27701	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.457	4.460	-0.003	92	26316	25.0	24.4	
16 Benzyl alcohol	108	4.563	4.566	-0.003	94	13881	25.0	24.4	
17 1,2-Dichlorobenzene	146	4.604	4.607	-0.003	91	24727	25.0	24.3	
18 2-Methylphenol	108	4.669	4.672	-0.003	89	18680	25.0	24.0	
19 2,2'-oxybis[1-chloropropan	45	4.698	4.696	0.002	90	25736	25.0	24.2	
20 N-Methylaniline	106	4.810	4.813	-0.003	73	30774	25.0	24.8	
24 4-Methylphenol	108	4.816	4.819	-0.003	76	21563	25.0	24.9	
23 3 & 4 Methylphenol	108	4.816	4.819	-0.003	74	21563	25.0	24.9	
21 Acetophenone	105	4.822	4.825	-0.003	86	29054	25.0	24.7	
22 N-Nitrosodi-n-propylamine	70	4.822	4.825	-0.003	70	14140	25.0	25.8	
25 Hexachloroethane	117	4.928	4.925	0.003	89	9030	25.0	24.8	
28 Nitrobenzene	123	4.981	4.984	-0.003	94	10239	25.0	25.3	
27 n,n'-Dimethylaniline	120	4.987	4.990	-0.003	90	32725	25.0	24.4	
31 Isophorone	82	5.204	5.213	-0.009	97	35640	25.0	25.4	
32 2-Nitrophenol	139	5.287	5.284	0.003	95	11798	25.0	24.7	
33 2,4-Dimethylphenol	122	5.322	5.325	-0.003	59	18928	25.0	25.3	
34 Bis(2-chloroethoxy)methane	93	5.410	5.413	-0.003	98	22912	25.0	24.9	
35 Benzoic acid	122	5.410	5.437	-0.027	41	12539	25.0	23.6	
36 2,4-Dichlorophenol	162	5.510	5.513	-0.003	96	19495	25.0	25.8	
37 1,2,4-Trichlorobenzene	180	5.598	5.595	0.003	93	22294	25.0	25.6	

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	5.651	5.648	0.003	97	98981	40.0	40.0	
39 Naphthalene	128	5.669	5.672	-0.003	98	63536	25.0	25.3	
40 4-Chloroaniline	127	5.716	5.719	-0.003	86	26861	25.0	25.3	
41 Hexachlorobutadiene	225	5.798	5.795	0.003	98	13556	25.0	24.9	
43 4-Chloro-3-methylphenol	107	6.175	6.178	-0.003	88	16437	25.0	24.7	
44 2-Methylnaphthalene	142	6.322	6.325	-0.003	84	43214	25.0	25.1	
45 1-Methylnaphthalene	142	6.416	6.419	-0.003	83	40221	25.0	24.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.486	6.484	0.002	98	23342	25.0	27.4	
46 Hexachlorocyclopentadiene	237	6.481	6.484	-0.003	79	17056	25.0	28.3	
48 2-tertbutyl-4-methylphenol	149	6.510	6.513	-0.003	80	26977	25.0	24.4	
49 2,4,6-Trichlorophenol	196	6.586	6.590	-0.004	93	15521	25.0	27.4	
50 2,4,5-Trichlorophenol	196	6.616	6.619	-0.003	89	16279	25.0	27.3	
52 1,1'-Biphenyl	154	6.763	6.766	-0.003	95	51807	25.0	27.3	
53 2-Chloronaphthalene	162	6.781	6.784	-0.003	98	40663	25.0	27.4	
54 Phenyl ether	170	6.863	6.866	-0.003	81	26996	25.0	27.2	
56 2-Nitroaniline	65	6.869	6.878	-0.009	75	11051	25.0	26.3	
57 1,3-Dimethylnaphthalene	156	6.986	6.989	-0.003	91	31731	25.0	27.2	
58 Dimethyl phthalate	163	7.051	7.054	-0.003	99	46451	25.0	27.4	
59 Coumarin	146	7.069	7.072	-0.003	77	14780	25.0	24.4	
60 2,6-Dinitrotoluene	165	7.098	7.107	-0.009	10	10368	25.0	28.3	
61 Acenaphthylene	152	7.169	7.172	-0.003	96	63032	25.0	28.1	
64 3-Nitroaniline	138	7.257	7.266	-0.009	95	11300	25.0	27.6	
* 65 Acenaphthene-d10	164	7.304	7.307	-0.003	96	48393	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.328	7.331	-0.003	84	38942	25.0	29.1	
67 Acenaphthene	154	7.333	7.337	-0.004	93	43186	25.0	28.7	
68 2,4-Dinitrophenol	184	7.357	7.360	-0.003	67	14354	50.0	54.9	a
69 4-Nitrophenol	65	7.416	7.425	-0.009	88	13970	50.0	54.6	
70 2,4-Dinitrotoluene	165	7.481	7.484	-0.003	96	14435	25.0	28.9	
71 Dibenzofuran	168	7.498	7.501	-0.003	93	57759	25.0	27.5	
72 2,3,4,6-Tetrachlorophenol	232	7.610	7.613	-0.003	94	14124	25.0	27.1	
73 Diethyl phthalate	149	7.716	7.719	-0.003	97	45434	25.0	26.6	
75 Fluorene	166	7.816	7.819	-0.003	82	45103	25.0	27.3	
74 4-Chlorophenyl phenyl ethe	204	7.816	7.819	-0.003	73	23343	25.0	27.2	
76 4-Nitroaniline	138	7.833	7.842	-0.009	86	11738	25.0	27.1	
77 4,6-Dinitro-2-methylphenol	198	7.863	7.872	-0.009	60	16451	50.0	47.4	
78 N-Nitrosodiphenylamine	169	7.928	7.931	-0.003	97	34152	25.0	25.0	
79 1,2-Diphenylhydrazine	77	7.963	7.972	-0.009	93	36312	25.0	24.1	
81 4-Bromophenyl phenyl ether	248	8.275	8.278	-0.003	95	16651	25.0	24.6	
83 Hexachlorobenzene	284	8.339	8.342	-0.003	92	20755	25.0	24.5	
85 Pentachlorophenol	266	8.522	8.525	-0.003	89	25649	50.0	52.7	
86 Pentachloronitrobenzene	237	8.539	8.542	-0.003	89	7314	25.0	25.1	
87 n-Octadecane	57	8.610	8.607	0.003	89	23078	25.0	25.2	
* 88 Phenanthrene-d10	188	8.698	8.695	0.003	98	99879	40.0	40.0	
89 Phenanthrene	178	8.716	8.719	-0.003	97	69181	25.0	24.9	
90 Anthracene	178	8.763	8.766	-0.003	97	71437	25.0	25.1	
91 Carbazole	167	8.916	8.919	-0.003	82	62298	25.0	25.2	
92 Di-n-butyl phthalate	149	9.251	9.254	-0.003	99	76676	25.0	25.4	
93 Fluoranthene	202	9.833	9.836	-0.003	98	78495	25.0	24.8	
94 Benzidine	184	9.957	9.960	-0.003	98	50132	25.0	25.7	
95 Pyrene	202	10.045	10.048	-0.003	97	82544	25.0	25.4	
82 Bisphenol-A	213	10.092	10.095	-0.003	92	39880	25.0	25.5	
97 Butyl benzyl phthalate	149	10.698	10.701	-0.003	92	32756	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	10.804	10.813	-0.009	91	32511	25.0	26.5	
100 3,3'-Dichlorobenzidine	252	11.274	11.277	-0.003	98	33559	25.0	25.3	
101 Benzo[a]anthracene	228	11.298	11.301	-0.003	98	83201	25.0	25.6	
* 102 Chrysene-d12	240	11.310	11.313	-0.003	97	103736	40.0	40.0	
103 Chrysene	228	11.339	11.342	-0.003	95	74524	25.0	25.4	
104 Bis(2-ethylhexyl) phthalat	149	11.357	11.354	0.003	75	47901	25.0	25.6	
105 Di-n-octyl phthalate	149	12.180	12.177	0.003	91	81511	25.0	25.9	
106 Benzo[b]fluoranthene	252	12.657	12.666	-0.009	97	88425	25.0	25.2	
107 Benzo[k]fluoranthene	252	12.692	12.701	-0.009	99	96149	25.0	27.0	
108 Benzo[a]pyrene	252	13.104	13.113	-0.009	96	85457	25.0	26.2	
* 109 Perylene-d12	264	13.192	13.189	0.003	99	121914	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.733	14.742	-0.009	98	95490	25.0	25.9	
111 Dibenz(a,h)anthracene	278	14.774	14.783	-0.009	97	94667	25.0	26.7	
112 Benzo[g,h,i]perylene	276	15.162	15.183	-0.021	91	94874	25.0	25.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ICV-long_00023 Amount Added: 1.00 Units: mL

Report Date: 24-Aug-2019 16:49:19 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272089.d

Injection Date: 24-Aug-2019 12:07:30 Instrument ID: CBNAMS5 Operator ID:

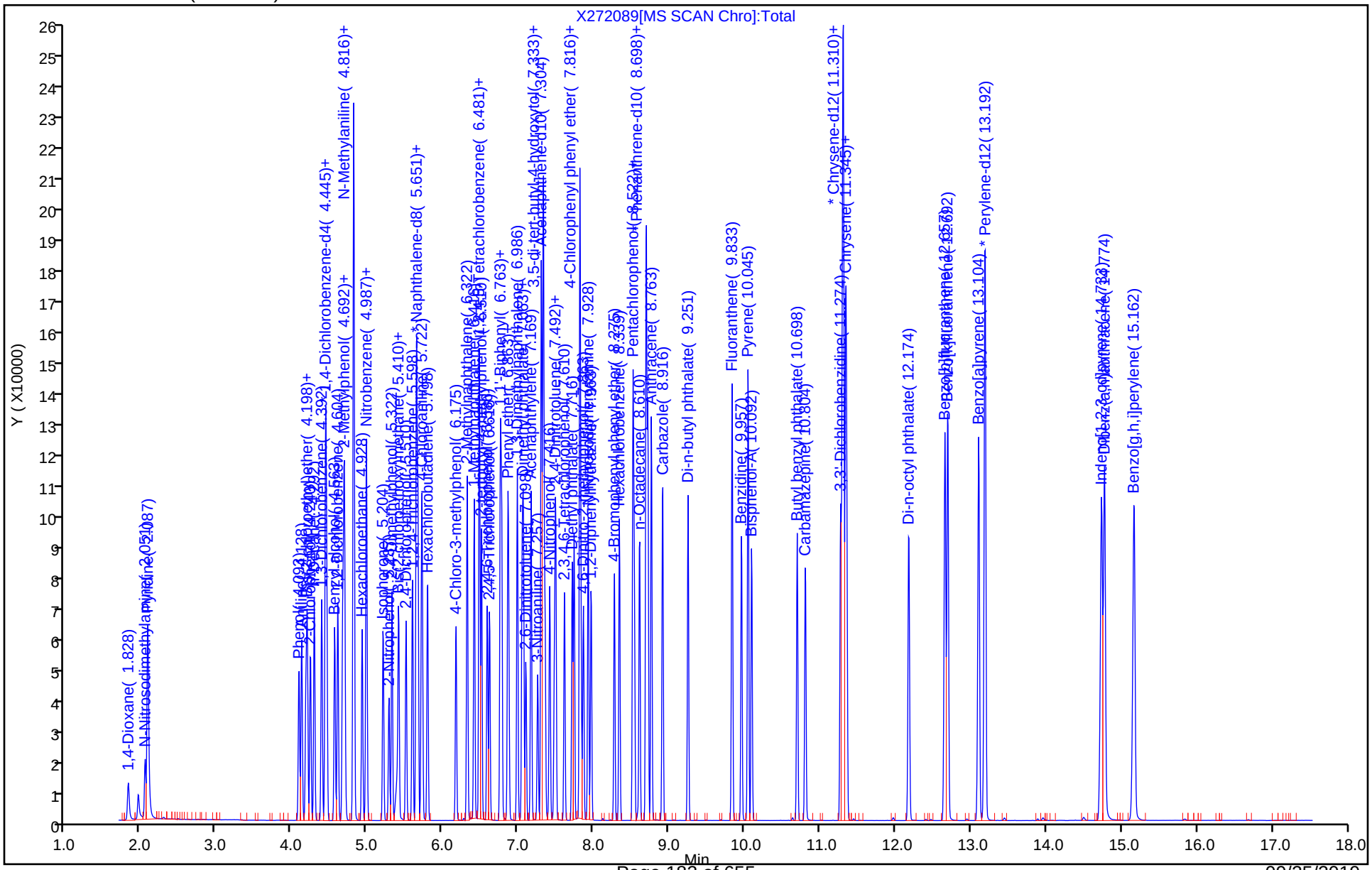
Lims ID: ICV Worklist Smp#: 11

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)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635421/2 Calibration Date: 08/28/2019 04:22

Instrument ID: CBNAMS5 Calib Start Date: 08/24/2019 08:10

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2019 11:44

Lab File ID: X272191.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4233	0.4283	0.0100	50600	50000	1.2	20.0
N-Nitrosodimethylamine	Ave	0.6909	0.6999		50600	50000	1.3	20.0
Pyridine	Ave	1.056	1.026		97100	100000	-2.9	20.0
Phenol	Ave	1.550	1.669	0.8000	53800	50000	7.6	20.0
Aniline	Ave	1.833	1.872		51100	50000	2.1	20.0
Bis(2-chloroethyl)ether	Ave	1.109	1.132	0.7000	51100	50000	2.2	20.0
2-Chlorophenol	Ave	1.369	1.379	0.8000	50400	50000	0.8	20.0
n-Decane	Ave	1.214	1.205	0.0100	49600	50000	-0.7	20.0
1,3-Dichlorobenzene	Ave	1.541	1.489		48300	50000	-3.4	20.0
1,4-Dichlorobenzene	Ave	1.559	1.530		49100	50000	-1.8	20.0
Benzyl alcohol	Ave	0.8221	0.8527	0.0100	51900	50000	3.7	20.0
1,2-Dichlorobenzene	Ave	1.471	1.456		49500	50000	-1.0	20.0
2-Methylphenol	Ave	1.124	1.146	0.7000	51000	50000	2.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.534	1.623	0.0100	52900	50000	5.8	20.0
N-Methylaniline	Ave	1.789	1.870		52300	50000	4.6	20.0
3 & 4 Methylphenol	Ave	1.249	1.297		51900	50000	3.8	20.0
4-Methylphenol	Ave	1.249	1.297	0.6000	51900	50000	3.8	20.0
Acetophenone	Ave	1.697	1.773	0.0100	52200	50000	4.5	20.0
N-Nitrosodi-n-propylamine	Ave	0.7901	0.8790	0.5000	55600	50000	11.3	20.0
Hexachloroethane	Ave	0.5264	0.5389	0.3000	51200	50000	2.4	20.0
Nitrobenzene	Ave	0.5849	0.6404	0.2000	54700	50000	9.5	20.0
n,n'-Dimethylaniline	Ave	1.937	1.986	0.0100	51300	50000	2.5	20.0
Isophorone	Ave	0.5680	0.5838	0.4000	51400	50000	2.8	20.0
2-Nitrophenol	Ave	0.1930	0.1929	0.1000	50000	50000	-0.0	20.0
2,4-Dimethylphenol	Ave	0.3026	0.3022	0.2000	49900	50000	-0.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.3718	0.3777	0.3000	50800	50000	1.6	20.0
Benzoic acid	Lin2		0.2049		45200	50000	-9.6	20.0
2,4-Dichlorophenol	Ave	0.3057	0.3059	0.2000	50000	50000	0.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3521	0.3473		49300	50000	-1.3	20.0
Naphthalene	Ave	1.015	0.9853	0.7000	48500	50000	-2.9	20.0
4-Chloroaniline	Ave	0.4288	0.4280	0.0100	49900	50000	-0.2	20.0
Hexachlorobutadiene	Ave	0.2197	0.2117	0.0100	48200	50000	-3.7	20.0
4-Chloro-3-methylphenol	Ave	0.2692	0.2727		50600	50000	1.3	20.0
2-Methylnaphthalene	Ave	0.6944	0.6897	0.4000	49700	50000	-0.7	20.0
1-Methylnaphthalene	Ave	0.6521	0.6427	0.0100	49300	50000	-1.4	20.0
Hexachlorocyclopentadiene	Ave	0.4973	0.4728	0.0500	47500	50000	-4.9	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7038	0.6808	0.0100	48400	50000	-3.3	20.0
2-tertbutyl-4-methylphenol	Ave	0.4459	0.4457	0.0100	50000	50000	-0.0	20.0
2,4,6-Trichlorophenol	Ave	0.4674	0.4712	0.2000	50400	50000	0.8	20.0
2,4,5-Trichlorophenol	Ave	0.4928	0.4845	0.2000	49200	50000	-1.7	20.0
1,1'-Biphenyl	Ave	1.567	1.536	0.0100	49000	50000	-2.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635421/2 Calibration Date: 08/28/2019 04:22

Instrument ID: CBNAMS5 Calib Start Date: 08/24/2019 08:10

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2019 11:44

Lab File ID: X272191.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.227	1.257	0.8000	51200	50000	2.4	20.0
Phenyl ether	Ave	0.8216	0.8439	0.0100	51400	50000	2.7	20.0
2-Nitroaniline	Ave	0.3479	0.3646	0.0100	52400	50000	4.8	20.0
1,3-Dimethylnaphthalene	Ave	0.9647	0.9896	0.0100	51300	50000	2.6	20.0
Dimethyl phthalate	Ave	1.400	1.397	0.0100	49900	50000	-0.3	20.0
Coumarin	Ave	0.2445	0.2495	0.0100	51000	50000	2.0	20.0
2,6-Dinitrotoluene	Ave	0.3029	0.3168	0.2000	52300	50000	4.6	20.0
Acenaphthylene	Ave	1.856	1.822	0.9000	49100	50000	-1.9	20.0
3-Nitroaniline	Ave	0.3385	0.3497	0.0100	51700	50000	3.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.107	1.128	0.0100	51000	50000	2.0	20.0
Acenaphthene	Ave	1.246	1.144	0.9000	45900	50000	-8.2	20.0
2,4-Dinitrophenol	Lin2		0.1985	0.0100	90300	100000	-9.7	20.0
4-Nitrophenol	Ave	0.2115	0.2181	0.0100	103000	100000	3.1	20.0
2,4-Dinitrotoluene	Ave	0.4123	0.4377	0.2000	53100	50000	6.2	20.0
Dibenzofuran	Ave	1.735	1.724	0.8000	49700	50000	-0.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.4309	0.4236	0.0100	49100	50000	-1.7	20.0
Diethyl phthalate	Ave	1.410	1.371	0.0100	48600	50000	-2.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.7081	0.6923	0.4000	48900	50000	-2.2	20.0
Fluorene	Ave	1.364	1.355	0.9000	49700	50000	-0.6	20.0
4-Nitroaniline	Ave	0.3586	0.3668	0.0100	51100	50000	2.3	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1293	0.0100	91600	100000	-8.4	20.0
N-Nitrosodiphenylamine	Ave	0.5461	0.5193	0.0100	47500	50000	-4.9	20.0
1,2-Diphenylhydrazine	Ave	0.6042	0.5955	0.0100	49300	50000	-1.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2706	0.2508	0.1000	46300	50000	-7.3	20.0
Hexachlorobenzene	Ave	0.3388	0.3221	0.1000	47500	50000	-4.9	20.0
Pentachlorophenol	Ave	0.1948	0.1935	0.0500	99300	100000	-0.7	20.0
Pentachloronitrobenzene	Ave	0.1165	0.1178	0.0100	50600	50000	1.1	20.0
n-Octadecane	Ave	0.3673	0.3593	0.0100	48900	50000	-2.2	20.0
Phenanthrene	Ave	1.114	1.049	0.7000	47100	50000	-5.9	20.0
Anthracene	Ave	1.138	1.099	0.7000	48300	50000	-3.4	20.0
Carbazole	Ave	0.9902	0.9664	0.0100	48800	50000	-2.4	20.0
Di-n-butyl phthalate	Ave	1.211	1.180	0.0100	48700	50000	-2.5	20.0
Fluoranthene	Ave	1.266	1.216	0.6000	48000	50000	-3.9	20.0
Benzidine	Ave	0.7802	0.7999		51300	50000	2.5	20.0
Pyrene	Ave	1.255	1.209	0.6000	48200	50000	-3.7	20.0
Bisphenol-A	Ave	0.6033	0.6394		53000	50000	6.0	20.0
Butyl benzyl phthalate	Ave	0.4925	0.5016	0.0100	50900	50000	1.8	20.0
2,3,7,8-TCDD	Ave	0.2230	0.2153	0.0100	483	500	-3.4	20.0
Carbamazepine	Ave	0.4728	0.5354	0.0100	56600	50000	13.2	20.0
3,3'-Dichlorobenzidine	Ave	0.5121	0.5215	0.0100	50900	50000	1.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635421/2 Calibration Date: 08/28/2019 04:22

Instrument ID: CBNAMS5 Calib Start Date: 08/24/2019 08:10

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 08/24/2019 11:44

Lab File ID: X272191.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.253	1.223	0.8000	48800	50000	-2.4	20.0
Chrysene	Ave	1.132	1.114	0.7000	49200	50000	-1.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7221	0.7199	0.0100	49900	50000	-0.3	20.0
Di-n-octyl phthalate	Ave	1.033	1.064	0.0100	51500	50000	3.0	20.0
Benzo[b]fluoranthene	Ave	1.152	1.139	0.7000	49400	50000	-1.2	20.0
Benzo[k]fluoranthene	Ave	1.168	1.165	0.7000	49900	50000	-0.3	20.0
Benzo[a]pyrene	Ave	1.072	1.087	0.7000	50700	50000	1.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.210	1.241	0.5000	51300	50000	2.6	20.0
Dibenz(a,h)anthracene	Ave	1.165	1.206	0.4000	51700	50000	3.5	20.0
Benzo[g,h,i]perylene	Ave	1.222	1.210	0.5000	49500	50000	-0.9	20.0
2-Fluorophenol (Surr)	Ave	1.238	1.232		49800	50000	-0.5	20.0
Phenol-d5 (Surr)	Ave	1.467	1.517		51700	50000	3.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3266	0.3220		49300	50000	-1.4	20.0
2-Fluorobiphenyl	Ave	1.537	1.456		47400	50000	-5.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.3836	0.3735		48700	50000	-2.6	20.0
Terphenyl-d14 (Surr)	Ave	1.048	0.9363		44700	50000	-10.6	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272191.d
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Aug-2019 04:22:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096743-002
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub37

Method: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 28-Aug-2019 11:11:30 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: manlangitf Date: 28-Aug-2019 04:46:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.758	1.758	0.000	93	13173	50.0	50.6	
2 N-Nitrosodimethylamine	74	1.987	1.987	0.000	87	21524	50.0	50.6	
3 Pyridine	79	2.016	2.016	0.000	92	63096	100.0	97.1	
$ 4 2-Fluorophenol	112	3.134	3.134	0.000	96	37891	50.0	49.8	
$ 6 Phenol-d5	99	4.028	4.028	0.000	98	46659	50.0	51.7	
7 Phenol	94	4.046	4.046	0.000	98	51322	50.0	53.8	
8 Aniline	93	4.069	4.069	0.000	96	57567	50.0	51.1	
9 Bis(2-chloroethyl)ether	93	4.128	4.128	0.000	92	34829	50.0	51.1	
10 Benzonitrile	103	4.146	4.146	0.000	98	76961	NC	NC	
11 2-Chlorophenol	128	4.187	4.187	0.000	90	42424	50.0	50.4	
12 n-Decane	43	4.234	4.234	0.000	93	37059	50.0	49.6	
13 1,3-Dichlorobenzene	146	4.334	4.334	0.000	96	45791	50.0	48.3	
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	93	24604	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.399	4.399	0.000	93	47046	50.0	49.1	
16 Benzyl alcohol	108	4.510	4.510	0.000	92	26226	50.0	51.9	
17 1,2-Dichlorobenzene	146	4.546	4.546	0.000	91	44785	50.0	49.5	
18 2-Methylphenol	108	4.622	4.622	0.000	87	35251	50.0	51.0	
19 2,2'-oxybis[1-chloropropan	45	4.646	4.646	0.000	91	49918	50.0	52.9	a
20 N-Methylaniline	106	4.757	4.757	0.000	80	57524	50.0	52.3	
24 4-Methylphenol	108	4.769	4.769	0.000	75	39894	50.0	51.9	
23 3 & 4 Methylphenol	108	4.769	4.769	0.000	74	39894	50.0	51.9	
21 Acetophenone	105	4.769	4.769	0.000	85	54515	50.0	52.2	
22 N-Nitrosodi-n-propylamine	70	4.769	4.769	0.000	68	27034	50.0	55.6	
25 Hexachloroethane	117	4.869	4.869	0.000	90	16575	50.0	51.2	
$ 26 Nitrobenzene-d5	82	4.910	4.910	0.000	86	37835	50.0	49.3	
28 Nitrobenzene	123	4.928	4.928	0.000	93	19695	50.0	54.7	
27 n,n'-Dimethylaniline	120	4.934	4.934	0.000	88	61064	50.0	51.3	
31 Isophorone	82	5.157	5.157	0.000	97	68600	50.0	51.4	
32 2-Nitrophenol	139	5.234	5.234	0.000	96	22667	50.0	50.0	
33 2,4-Dimethylphenol	122	5.275	5.275	0.000	91	35514	50.0	49.9	
34 Bis(2-chloroethoxy)methane	93	5.363	5.363	0.000	98	44384	50.0	50.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.387	5.387	0.000	82	24076	50.0	45.2	
36 2,4-Dichlorophenol	162	5.463	5.463	0.000	96	35946	50.0	50.0	
37 1,2,4-Trichlorobenzene	180	5.546	5.546	0.000	94	40817	50.0	49.3	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	97	94012	40.0	40.0	
39 Naphthalene	128	5.616	5.616	0.000	99	115792	50.0	48.5	
40 4-Chloroaniline	127	5.669	5.669	0.000	85	50293	50.0	49.9	
41 Hexachlorobutadiene	225	5.745	5.745	0.000	98	24879	50.0	48.2	
43 4-Chloro-3-methylphenol	107	6.128	6.128	0.000	90	32042	50.0	50.6	
44 2-Methylnaphthalene	142	6.269	6.269	0.000	84	81055	50.0	49.7	
45 1-Methylnaphthalene	142	6.363	6.363	0.000	91	75524	50.0	49.3	
46 Hexachlorocyclopentadiene	237	6.428	6.428	0.000	85	29578	50.0	47.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.434	6.434	0.000	97	42586	50.0	48.4	
48 2-tertbutyl-4-methylphenol	149	6.463	6.463	0.000	72	52371	50.0	50.0	
49 2,4,6-Trichlorophenol	196	6.540	6.540	0.000	93	29474	50.0	50.4	
50 2,4,5-Trichlorophenol	196	6.569	6.569	0.000	92	30306	50.0	49.2	
$ 51 2-Fluorobiphenyl	172	6.622	6.622	0.000	94	91086	50.0	47.4	
52 1,1'-Biphenyl	154	6.710	6.710	0.000	95	96059	50.0	49.0	
53 2-Chloronaphthalene	162	6.728	6.728	0.000	97	78605	50.0	51.2	
54 Phenyl ether	170	6.810	6.810	0.000	81	52789	50.0	51.4	
56 2-Nitroaniline	65	6.828	6.828	0.000	94	22808	50.0	52.4	
57 1,3-Dimethylnaphthalene	156	6.940	6.940	0.000	90	61904	50.0	51.3	
58 Dimethyl phthalate	163	7.004	7.004	0.000	99	87368	50.0	49.9	
59 Coumarin	146	7.022	7.022	0.000	77	29315	50.0	51.0	
60 2,6-Dinitrotoluene	165	7.057	7.057	0.000	4	19819	50.0	52.3	
61 Acenaphthylene	152	7.122	7.122	0.000	96	113951	50.0	49.1	
64 3-Nitroaniline	138	7.210	7.210	0.000	96	21876	50.0	51.7	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	85	50045	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.281	7.281	0.000	83	70592	50.0	51.0	
67 Acenaphthene	154	7.287	7.287	0.000	94	71555	50.0	45.9	
68 2,4-Dinitrophenol	184	7.310	7.310	0.000	58	24832	100.0	90.3	a
69 4-Nitrophenol	65	7.381	7.381	0.000	88	27282	100.0	103.1	
70 2,4-Dinitrotoluene	165	7.434	7.434	0.000	92	27380	50.0	53.1	
71 Dibenzofuran	168	7.445	7.445	0.000	92	107876	50.0	49.7	
72 2,3,4,6-Tetrachlorophenol	232	7.563	7.563	0.000	95	26497	50.0	49.1	
73 Diethyl phthalate	149	7.669	7.669	0.000	97	85794	50.0	48.6	
75 Fluorene	166	7.769	7.769	0.000	82	84752	50.0	49.7	
74 4-Chlorophenyl phenyl ethe	204	7.769	7.769	0.000	73	43308	50.0	48.9	
76 4-Nitroaniline	138	7.792	7.792	0.000	87	22948	50.0	51.1	
77 4,6-Dinitro-2-methylphenol	198	7.822	7.822	0.000	75	31496	100.0	91.6	
78 N-Nitrosodiphenylamine	169	7.881	7.881	0.000	98	63245	50.0	47.5	
79 1,2-Diphenylhydrazine	77	7.916	7.916	0.000	94	72535	50.0	49.3	
$ 80 2,4,6-Tribromophenol	330	7.998	7.998	0.000	87	23367	50.0	48.7	
81 4-Bromophenyl phenyl ether	248	8.228	8.228	0.000	95	30551	50.0	46.3	
83 Hexachlorobenzene	284	8.292	8.292	0.000	93	39232	50.0	47.5	
85 Pentachlorophenol	266	8.475	8.475	0.000	89	47128	100.0	99.3	
86 Pentachloronitrobenzene	237	8.492	8.492	0.000	91	14352	50.0	50.6	
87 n-Octadecane	57	8.563	8.563	0.000	93	43761	50.0	48.9	
* 88 Phenanthrene-d10	188	8.645	8.645	0.000	98	97437	40.0	40.0	
89 Phenanthrene	178	8.669	8.669	0.000	97	127765	50.0	47.1	
90 Anthracene	178	8.716	8.716	0.000	97	133898	50.0	48.3	
91 Carbazole	167	8.869	8.869	0.000	82	117706	50.0	48.8	
92 Di-n-butyl phthalate	149	9.204	9.204	0.000	99	143705	50.0	48.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.786	9.786	0.000	98	148091	50.0	48.0	
94 Benzidine	184	9.916	9.916	0.000	99	97419	50.0	51.3	
95 Pyrene	202	9.998	9.998	0.000	97	152696	50.0	48.2	
82 Bisphenol-A	213	10.051	10.051	0.000	96	80773	50.0	53.0	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	118271	50.0	44.7	
97 Butyl benzyl phthalate	149	10.651	10.651	0.000	93	63357	50.0	50.9	
98 2,3,7,8-TCDD	320	10.745	10.745	0.000	1	272	0.5000	0.4828	
99 Carbamazepine	193	10.757	10.757	0.000	92	67634	50.0	56.6	
100 3,3'-Dichlorobenzidine	252	11.222	11.222	0.000	98	65871	50.0	50.9	
* 102 Chrysene-d12	240	11.257	11.257	0.000	98	101055	40.0	40.0	
101 Benzo[a]anthracene	228	11.245	11.245	0.000	98	154484	50.0	48.8	
103 Chrysene	228	11.286	11.286	0.000	95	140737	50.0	49.2	
104 Bis(2-ethylhexyl) phthalat	149	11.304	11.304	0.000	80	90941	50.0	49.9	
105 Di-n-octyl phthalate	149	12.122	12.122	0.000	92	158898	50.0	51.5	
106 Benzo[b]fluoranthene	252	12.598	12.598	0.000	98	170011	50.0	49.4	
107 Benzo[k]fluoranthene	252	12.633	12.633	0.000	99	173903	50.0	49.9	
108 Benzo[a]pyrene	252	13.039	13.039	0.000	96	162346	50.0	50.7	
* 109 Perylene-d12	264	13.121	13.121	0.000	99	119435	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.657	14.657	0.000	98	185238	50.0	51.3	
111 Dibenz(a,h)anthracene	278	14.698	14.698	0.000	97	179986	50.0	51.7	
112 Benzo[g,h,i]perylene	276	15.086	15.086	0.000	93	180704	50.0	49.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L6_00037 Amount Added: 1.00 Units: mL

Report Date: 28-Aug-2019 11:11:31 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272191.d

Injection Date: 28-Aug-2019 04:22:30 Instrument ID: CBNAMS5 Operator ID:

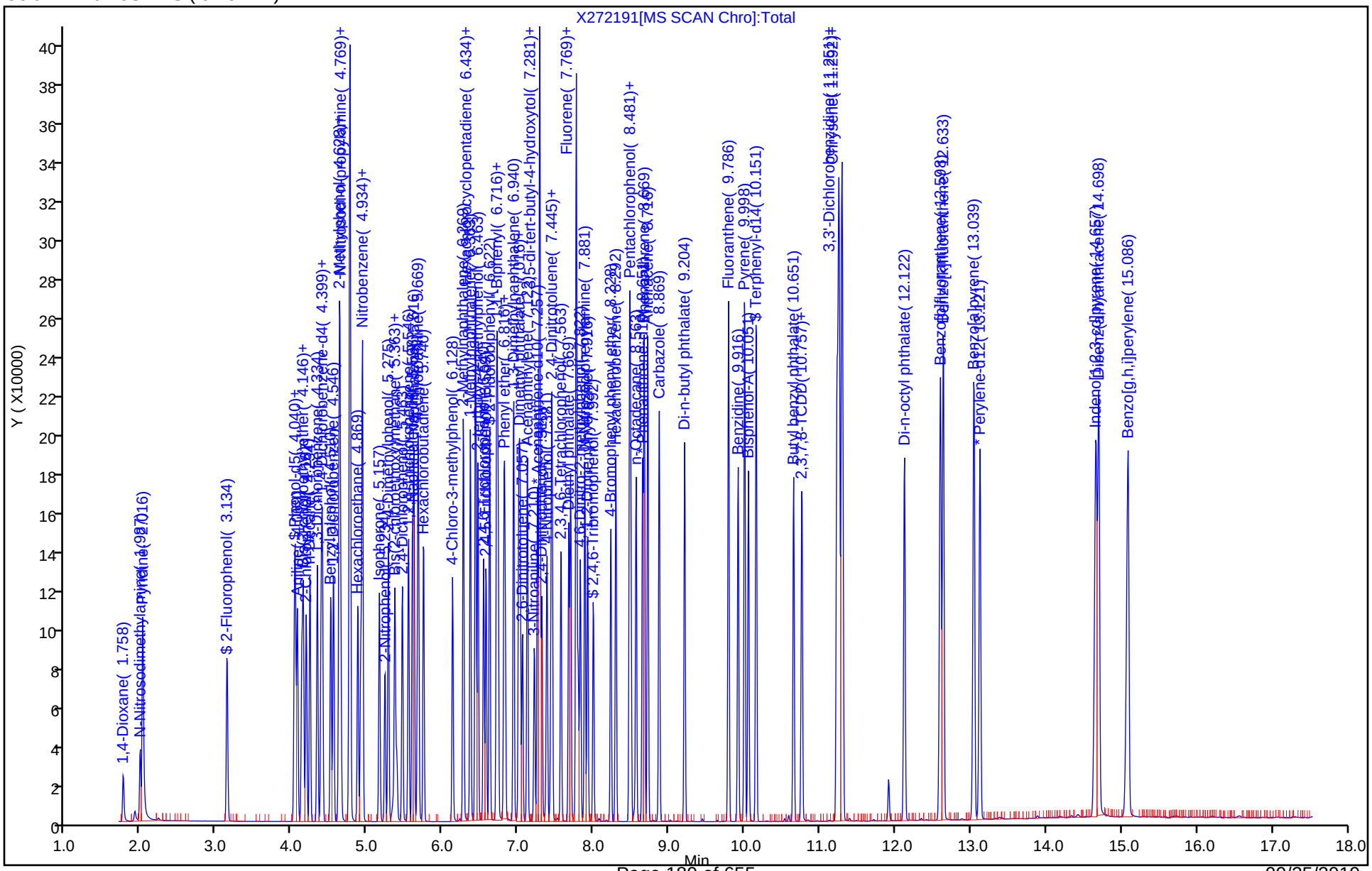
Lims ID: ccvis Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600891.D				
Lims ID:	dftpp				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	19-Apr-2019 13:15:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0089811-001				
Operator ID:		Instrument ID:	CBNAMS16		
Method:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\8270LVI_16.m				
Limit Group:	SV 8270D ICAL				
Last Update:	20-Apr-2019 13:37:36	Calib Date:	19-Apr-2019 18:31:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0312				

First Level Reviewer: johnstonm1 Date: 19-Apr-2019 13:25:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.210	4.210	0.000	89	274623	NR	NR	
56 Benzidine_T	184	5.445	5.445	0.000	99	2021010	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.592	5.592	0.000	82	1877		NR	
126 4,4'-DDD	235	5.881	5.881	0.000	92	3698		NR	
127 4,4'-DDT	235	6.087	6.087	0.000	97	918669	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

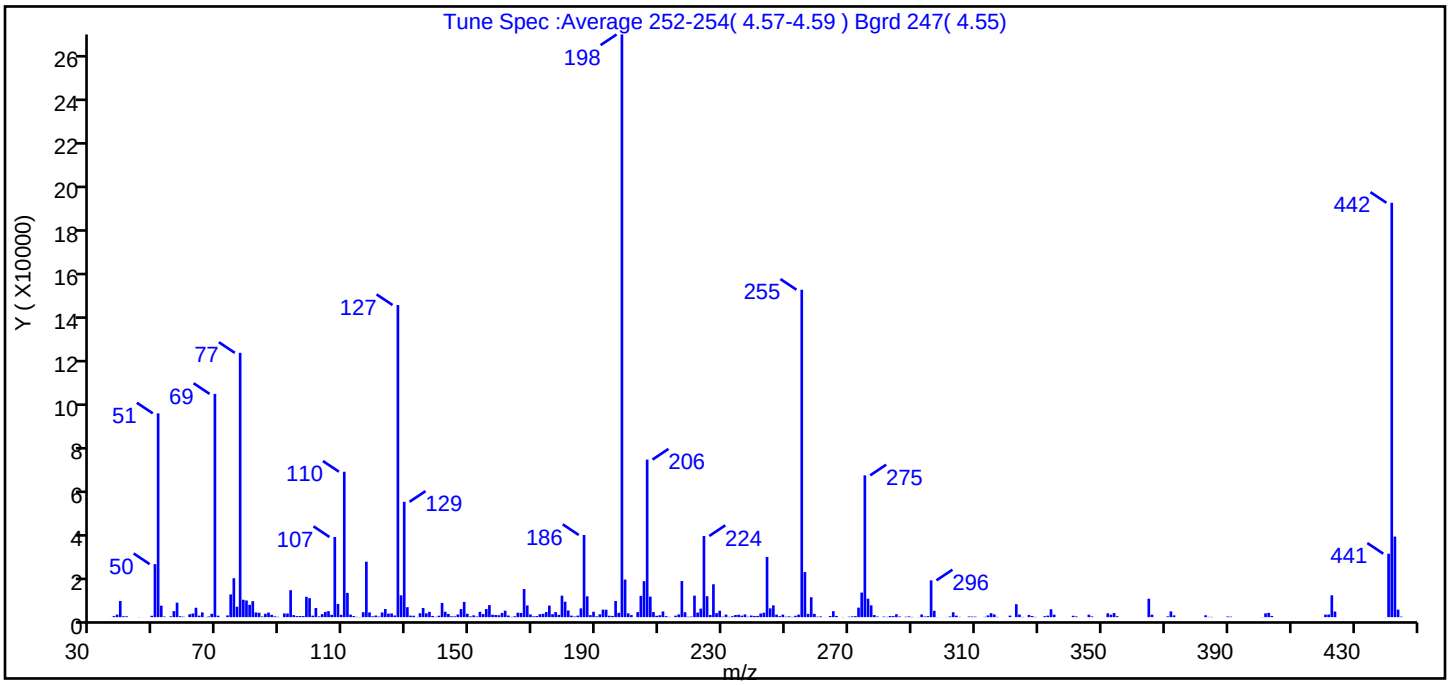
SMDFTP_CH_00028 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600891.D				
Injection Date:	19-Apr-2019 13:15:30	Instrument ID:	CBNAMS16		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Tune Method:	DFTPP Method 8270D, BP 198				

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (140.6)
51	10-80% of the base peak	35.0
68	<2% of mass 69	0.6 (1.5)
69	Present	38.3
70	<2% of mass 69	0.2 (0.6)
127	10-80% of the base peak	53.6
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.4
275	10-60% of the base peak	24.3
365	>1% of mass 198	3.2
441	present but <24% of mass 442	10.9 (15.3)
442	base peak, or >50% of 198	71.1
443	15-24% of mass 442	13.8 (19.4)

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600891.D\8270LVI_16.rslt\spectra.d
Injection Date: 19-Apr-2019 13:15:30
Spectrum: Tune Spec :Average 252-254(4.57-4.59) Bgrd 247(4.55)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 300

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	28	121.00	289	196.00	7301	277.00	5325
37.00	476	122.00	2110	197.00	1944	278.00	917
38.00	1130	123.00	3670	198.00	262976	279.00	288
39.00	7306	124.00	1588	199.00	16960	281.00	232
40.00	408	125.00	1680	200.00	1709	282.00	120
41.00	378	126.00	756	201.00	918	283.00	519
43.00	14	127.00	140864	203.00	2262	284.00	473
45.00	66	128.00	9854	204.00	9596	285.00	1302
49.00	622	129.00	52064	205.00	16237	286.00	297
50.00	23936	130.00	4503	206.00	71112	288.00	199
51.00	91976	131.00	692	207.00	9262	289.00	346
52.00	5181	132.00	630	208.00	2302	290.00	115
53.00	273	133.00	78	209.00	616	292.00	54
55.00	369	134.00	1758	210.00	867	293.00	1186
56.00	2723	135.00	4141	211.00	2578	294.00	295
57.00	6550	136.00	1696	212.00	438	295.00	453
58.00	402	137.00	2383	213.00	128	296.00	16600
59.00	198	138.00	546	215.00	655	297.00	2864
61.00	1315	139.00	144	216.00	1218	298.00	52
62.00	1662	140.00	642	217.00	16293	301.00	50
63.00	4249	141.00	6410	218.00	2215	302.00	318
64.00	681	142.00	2431	219.00	207	303.00	2207
65.00	2128	143.00	1452	220.00	258	304.00	659
66.00	55	144.00	390	221.00	9726	305.00	109
67.00	298	145.00	363	222.00	2069	308.00	298
68.00	1512	146.00	1182	223.00	3837	309.00	261
69.00	100760	147.00	3653	224.00	36624	310.00	232
70.00	647	148.00	6884	225.00	9440	313.00	137
73.00	790	149.00	1542	226.00	975	314.00	786
74.00	10254	150.00	342	227.00	14837	315.00	1780
75.00	17560	151.00	818	228.00	1820	316.00	1242
76.00	4705	152.00	287	229.00	2902	317.00	148
77.00	119288	153.00	2404	230.00	241	321.00	690

Report Date: 20-Apr-2019 13:37:37 Chrom Revision: 2.3 10-Apr-2019 17:48:54
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600891.D\8270LVI_16.rslt\spectra.d
Injection Date: 19-Apr-2019 13:15:30
Spectrum: Tune Spec :Average 252-254(4.57-4.59) Bgrd 247(4.55)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 300

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	7837	154.00	1389	231.00	1154	323.00	5846
79.00	7519	155.00	3656	232.00	142	324.00	1167
80.00	5580	156.00	5432	233.00	430	325.00	125
81.00	7217	157.00	1085	234.00	969	327.00	1005
82.00	2109	158.00	972	235.00	1072	328.00	532
83.00	1983	159.00	860	236.00	674	329.00	132
84.00	302	160.00	1879	237.00	1239	332.00	439
85.00	1510	161.00	2914	238.00	200	333.00	679
86.00	2067	162.00	744	239.00	730	334.00	3557
87.00	1036	163.00	144	240.00	544	335.00	1109
88.00	376	164.00	411	241.00	569	341.00	635
89.00	166	165.00	2006	242.00	1652	342.00	329
91.00	1663	166.00	1896	243.00	2009	346.00	1085
92.00	1641	167.00	12699	244.00	27184	347.00	325
93.00	12163	168.00	5267	245.00	3971	352.00	1725
94.00	918	169.00	1223	246.00	5323	353.00	1099
95.00	483	170.00	385	247.00	1135	354.00	1843
96.00	540	171.00	473	248.00	436	355.00	430
97.00	487	172.00	1340	249.00	1134	365.00	8316
98.00	9196	173.00	1527	250.00	215	366.00	1118
99.00	8557	174.00	2308	251.00	358	371.00	352
100.00	658	175.00	5212	252.00	128	372.00	2609
101.00	4130	176.00	1354	253.00	617	373.00	786
102.00	335	177.00	2297	254.00	1145	383.00	840
103.00	1357	178.00	1044	255.00	147776	384.00	131
104.00	2375	179.00	9690	256.00	20344	385.00	117
105.00	2701	180.00	6959	257.00	1499	390.00	303
106.00	1050	181.00	3003	258.00	8993	391.00	233
107.00	36176	182.00	687	259.00	1499	401.00	57
108.00	5976	183.00	281	260.00	219	402.00	1697
109.00	1059	184.00	694	261.00	336	403.00	1943
110.00	65640	185.00	3952	264.00	502	404.00	546
111.00	10959	186.00	37080	265.00	2693	421.00	1143
112.00	1130	187.00	9390	266.00	553	422.00	1181

Report Date: 20-Apr-2019 13:37:37 Chrom Revision: 2.3 10-Apr-2019 17:48:54
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600891.D\8270LVI_16.rslt\spectra.d
Injection Date: 19-Apr-2019 13:15:30
Spectrum: Tune Spec :Average 252-254(4.57-4.59) Bgrd 247(4.55)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 300

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	491	188.00	895	268.00	81	423.00	9869
114.00	129	189.00	2413	270.00	199	424.00	2524
115.00	88	190.00	360	271.00	346	440.00	55
116.00	2229	191.00	1282	272.00	460	441.00	28632
117.00	25032	192.00	3392	273.00	4295	442.00	187008
118.00	2131	193.00	3350	274.00	11085	443.00	36368
119.00	381	194.00	634	275.00	63992	444.00	3391
120.00	735	195.00	553	276.00	8325	445.00	247

Breakdown Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600891.D				
Injection Date:	19-Apr-2019 13:15:30	Instrument ID:	CBNAMS16		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

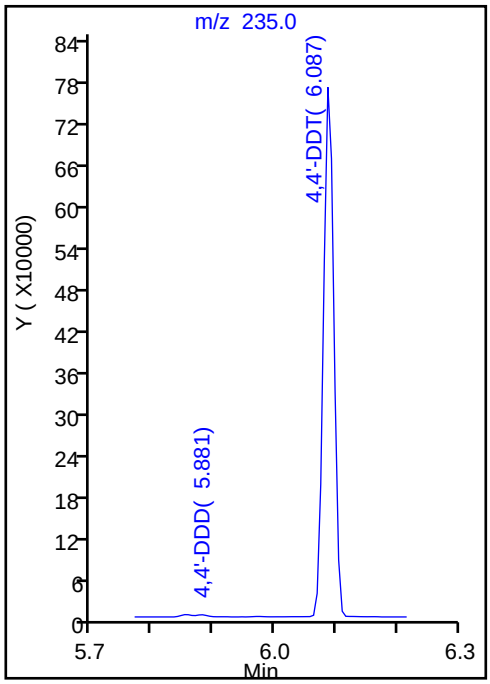
127 4,4'-DDT, Detector: MS SCAN

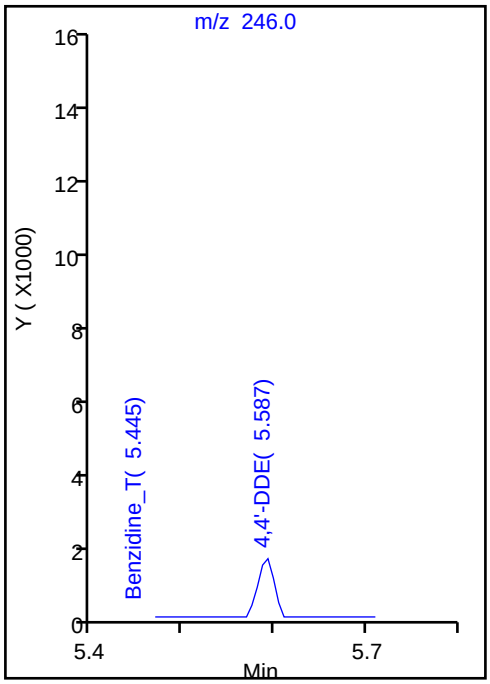
SW-846 Method

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

127 4,4'-DDT, Area = 918669
126 4,4'-DDD, Area = 3698
125 4,4'-DDE, Area = 1877

%Breakdown: 0.60%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

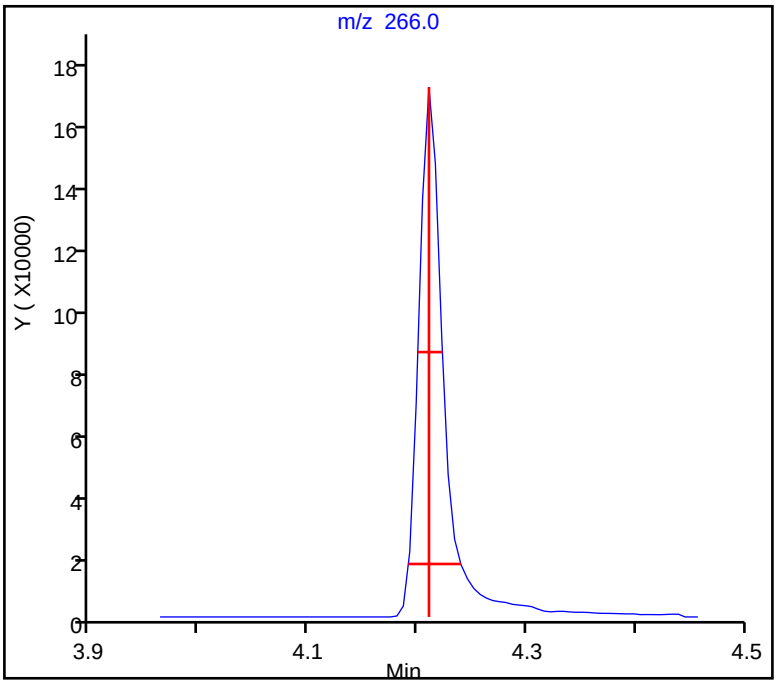
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600891.D				
Injection Date:	19-Apr-2019 13:15:30	Instrument ID:	CBNAMS16		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

31 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.029 (min.)
Front Width = 0.019 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

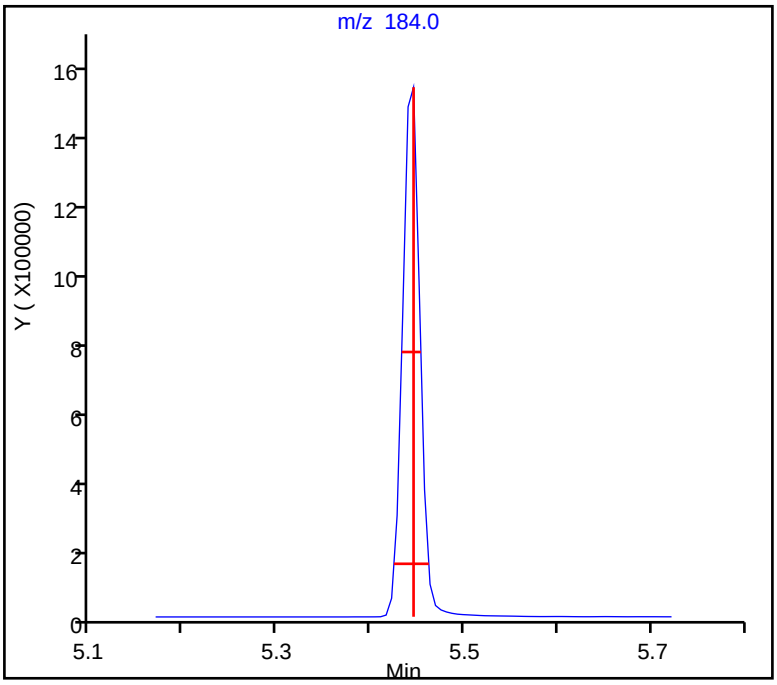
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600891.D
Injection Date: 19-Apr-2019 13:15:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.016 (min.)
Front Width = 0.021 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163403.D				
Lims ID:	dftpp				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	27-Aug-2019 17:50:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096727-001				
Operator ID:		Instrument ID:	CBNAMS16		
Method:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\8270LVI_16.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 14:07:01	Calib Date:	19-Apr-2019 18:31:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0310				

First Level Reviewer: eisam Date: 27-Aug-2019 18:05:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	3.716	3.716	0.000	88	260179	NR	NR	
56 Benzidine_T	184	4.981	4.981	0.000	99	1097055	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.128	5.128	0.000	84	1619		NR	
126 4,4'-DDD	235	5.393	5.393	0.000	94	26328		NR	
127 4,4'-DDT	235	5.628	5.628	0.000	96	756801	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

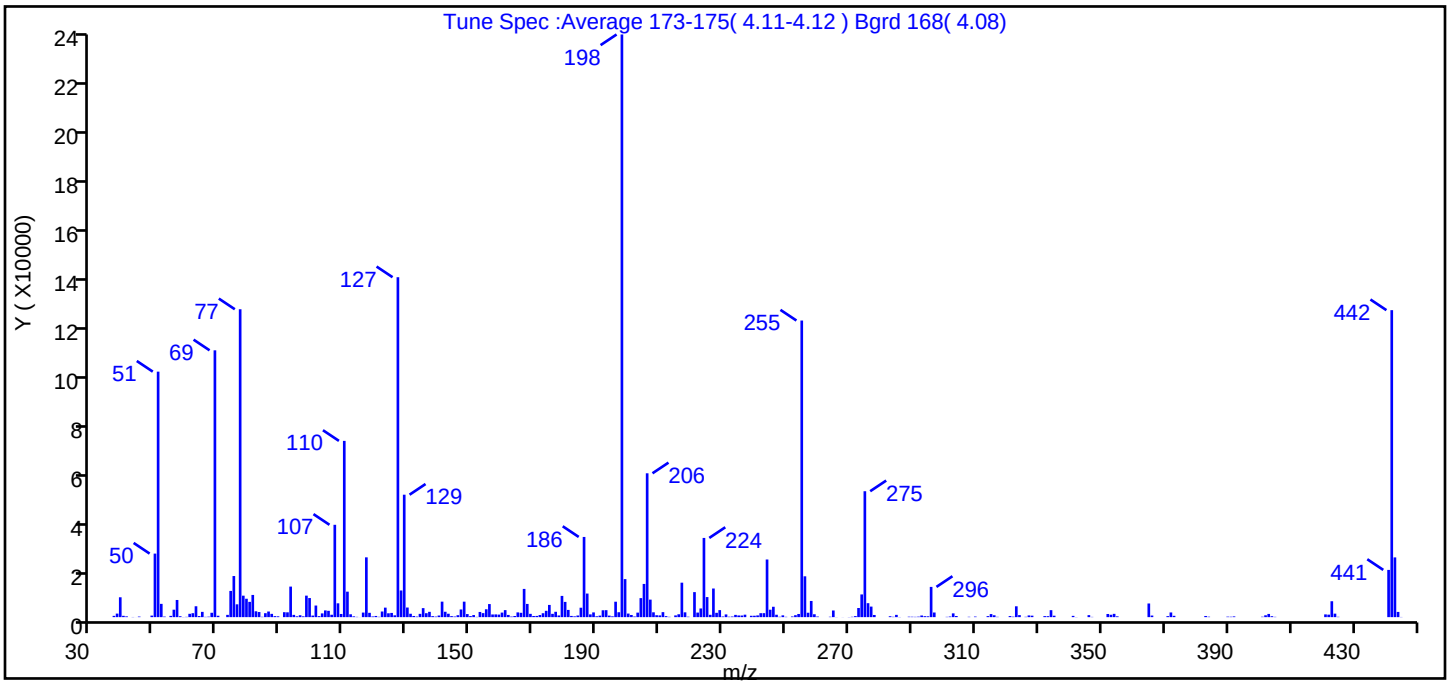
SMDFTP_CH_00028 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163403.D				
Injection Date:	27-Aug-2019 17:50:30	Instrument ID:	CBNAMS16		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Tune Method:	DFTPP Method 8270D, BP 198				

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (189.8)
51	10-80% of the base peak	42.1
68	<2% of mass 69	0.7 (1.6)
69	Present	45.8
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	58.3
197	<2% of mass 198	0.8
199	5-9% of mass 198	6.5
275	10-60% of the base peak	21.6
365	>1% of mass 198	2.3
441	present but <24% of mass 442	8.1 (15.4)
442	base peak, or >50% of 198	52.7
443	15-24% of mass 442	10.3 (19.5)

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163403.D\8270LVI_16.rslt\spectra.d
Injection Date: 27-Aug-2019 17:50:30
Spectrum: Tune Spec :Average 173-175(4.11-4.12) Bgrd 168(4.08)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	525	118.00	1758	191.00	618	273.00	3710
38.00	1440	119.00	276	192.00	2793	274.00	9226
39.00	8073	120.00	481	193.00	2831	275.00	51160
40.00	537	121.00	139	194.00	621	276.00	5674
41.00	316	122.00	2291	195.00	325	277.00	4285
43.00	66	123.00	3863	196.00	6270	278.00	879
44.00	12	124.00	1568	197.00	1991	283.00	368
45.00	230	125.00	1716	198.00	236736	284.00	146
49.00	626	126.00	742	199.00	15454	285.00	925
50.00	25816	127.00	138112	200.00	1449	286.00	62
51.00	99744	128.00	10834	201.00	877	289.00	181
52.00	5396	129.00	49752	202.00	252	290.00	164
53.00	228	130.00	3908	203.00	1835	291.00	128
55.00	517	131.00	1375	204.00	7731	292.00	203
56.00	3026	132.00	474	205.00	13495	293.00	663
57.00	6973	133.00	230	206.00	58448	294.00	386
58.00	369	134.00	1334	207.00	7117	295.00	339
59.00	51	135.00	3661	208.00	1968	296.00	12288
60.00	117	136.00	1602	209.00	783	297.00	1886
61.00	1354	137.00	2157	210.00	707	301.00	117
62.00	1607	138.00	407	211.00	2033	302.00	252
63.00	4424	139.00	224	212.00	406	303.00	1533
64.00	443	140.00	656	213.00	127	304.00	454
65.00	2143	141.00	6297	215.00	708	308.00	143
66.00	113	142.00	2190	216.00	1165	310.00	234
67.00	192	143.00	1382	217.00	14005	314.00	421
68.00	1775	144.00	411	218.00	1954	315.00	1246
69.00	108408	145.00	243	219.00	178	316.00	761
70.00	568	146.00	787	221.00	10169	317.00	127
73.00	928	147.00	3116	222.00	1855	321.00	434
74.00	10646	148.00	6292	223.00	3529	322.00	194
75.00	16704	149.00	1246	224.00	32184	323.00	4410
76.00	5212	150.00	435	225.00	8151	324.00	829

Report Date: 28-Aug-2019 14:07:07 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163403.D\8270LVI_16.rslt\spectra.d
Injection Date: 27-Aug-2019 17:50:30
Spectrum: Tune Spec :Average 173-175(4.11-4.12) Bgrd 168(4.08)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	125096	151.00	852	226.00	946	326.00	134
78.00	8722	152.00	108	227.00	11633	327.00	698
79.00	7472	153.00	2106	228.00	1763	328.00	598
80.00	6207	154.00	1631	229.00	2854	332.00	413
81.00	9020	155.00	3196	230.00	257	333.00	394
82.00	2378	156.00	5313	231.00	1103	334.00	2832
83.00	2076	157.00	1086	232.00	180	335.00	580
84.00	138	158.00	1113	233.00	254	341.00	519
85.00	1605	159.00	1036	234.00	918	342.00	50
86.00	2289	160.00	1849	235.00	677	346.00	810
87.00	1334	161.00	2852	236.00	659	347.00	100
88.00	413	162.00	896	237.00	999	352.00	1285
89.00	337	163.00	233	239.00	556	353.00	968
91.00	2007	164.00	461	240.00	573	354.00	1338
92.00	1957	165.00	1929	241.00	703	355.00	322
93.00	12412	166.00	1762	242.00	1610	365.00	5549
94.00	920	167.00	11471	243.00	1623	366.00	645
95.00	340	168.00	5370	244.00	23424	371.00	410
96.00	770	169.00	1339	245.00	3017	372.00	1903
97.00	318	170.00	470	246.00	4216	373.00	539
98.00	8736	171.00	498	247.00	974	383.00	468
99.00	7759	172.00	853	248.00	148	384.00	184
100.00	632	173.00	1594	249.00	729	390.00	202
101.00	4715	174.00	2570	250.00	128	391.00	165
102.00	405	175.00	4966	252.00	275	392.00	297
103.00	1525	176.00	1343	253.00	789	401.00	173
104.00	2728	177.00	2179	254.00	1286	402.00	750
105.00	2571	178.00	682	255.00	120512	403.00	1305
106.00	966	179.00	8628	256.00	16592	404.00	381
107.00	37520	180.00	6193	257.00	1790	405.00	117
108.00	5620	181.00	2938	258.00	6575	421.00	1117
109.00	1292	182.00	496	259.00	1175	422.00	1013
110.00	71616	183.00	322	260.00	248	423.00	6463
111.00	10352	184.00	665	264.00	165	424.00	1417

Report Date: 28-Aug-2019 14:07:07 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163403.D\8270LVI_16.rslt\spectra.d
Injection Date: 27-Aug-2019 17:50:30
Spectrum: Tune Spec :Average 173-175(4.11-4.12) Bgrd 168(4.08)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	1162	185.00	3827	265.00	2707	425.00	137
113.00	318	186.00	32584	266.00	42	441.00	19192
114.00	113	187.00	9585	268.00	27	442.00	124728
115.00	22	188.00	1121	270.00	59	443.00	24272
116.00	1856	189.00	1927	271.00	145	444.00	2125
117.00	24296	190.00	342	272.00	420	445.00	72

Breakdown Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163403.D				
Injection Date:	27-Aug-2019 17:50:30	Instrument ID:	CBNAMS16		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

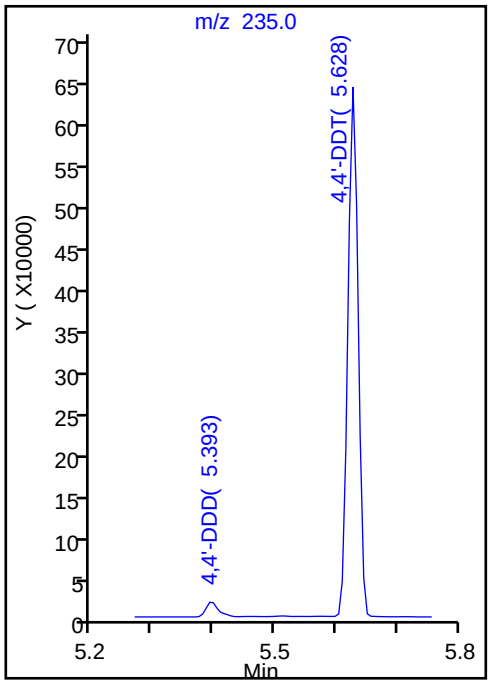
127 4,4'-DDT, Detector: MS SCAN

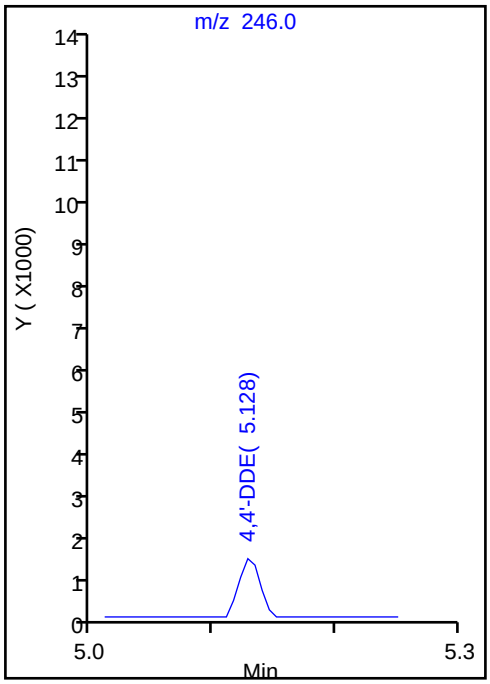
SW-846 Method

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

127 4,4'-DDT, Area = 756801
126 4,4'-DDD, Area = 26328
125 4,4'-DDE, Area = 1619

%Breakdown: 3.56%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

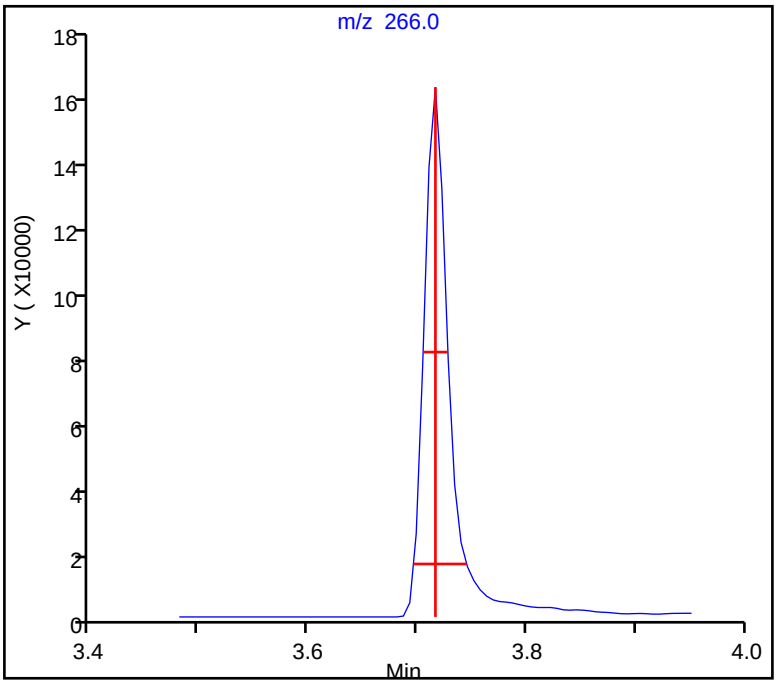
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163403.D				
Injection Date:	27-Aug-2019 17:50:30	Instrument ID:	CBNAMS16		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

31 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.029 (min.)
Front Width = 0.020 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

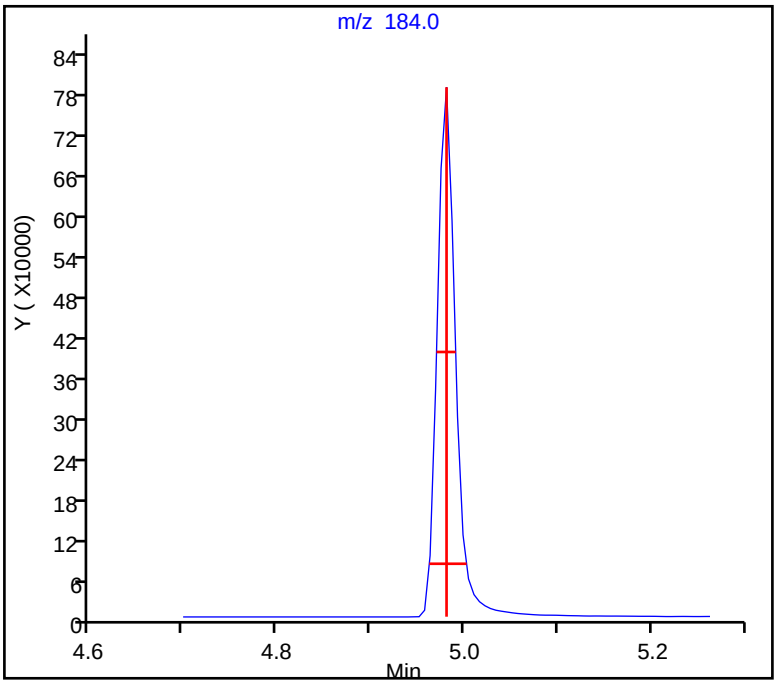
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163403.D				
Injection Date:	27-Aug-2019 17:50:30	Instrument ID:	CBNAMS16		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

56 Benzidine_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



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272079.d				
Lims ID:	dftpp				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	24-Aug-2019 07:46:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096587-001				
Misc. Info.:	DFTPP				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	24-Aug-2019 22:20:13	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0318				

First Level Reviewer: nimerd Date: 24-Aug-2019 22:20:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.575	4.575	0.000	90	32441	NR	NR	a
55 Benzidine_T	184	5.787	5.787	0.000	99	156239	NR	NR	a
124 DFTPP									
125 4,4'-DDE	246	5.934	5.934	0.000	1	101		NR	a
126 4,4'-DDD	235	6.228	6.228	0.000	1	378		NR	a
127 4,4'-DDT	235	6.434	6.434	0.000	98	80906	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

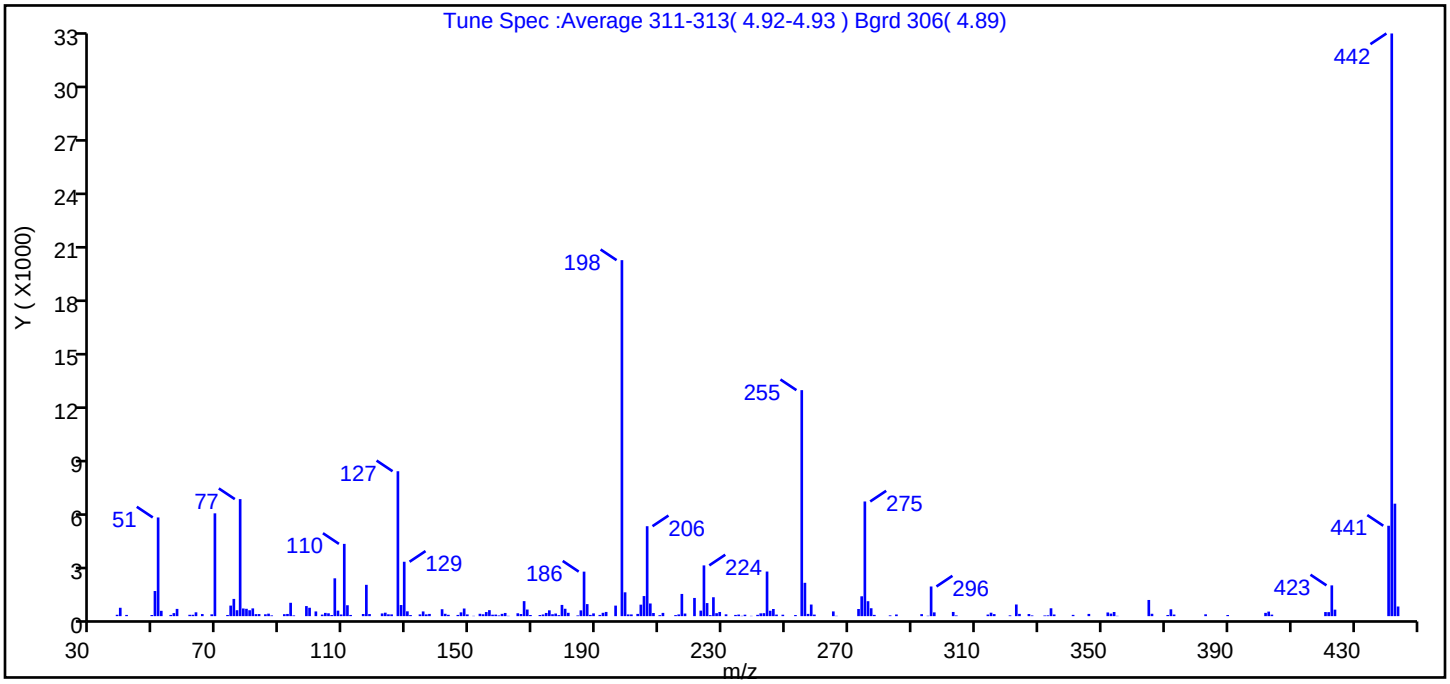
SMDFTP_CH_00028 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272079.d				
Injection Date:	24-Aug-2019 07:46:30	Instrument ID:	CBNAMS5		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Tune Method:	DFTPP Method 8270D, BP 198				

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (61.1)
51	10-80% of the base peak	27.7
68	<2% of mass 69	0.5 (1.8)
69	Present	28.9
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	40.7
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.7
275	10-60% of the base peak	32.2
365	>1% of mass 198	4.5
441	present but <24% of mass 442	25.4 (15.5)
442	base peak, or >50% of 198	163.7
443	15-24% of mass 442	31.6 (19.3)

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272079.d\8270_5R.rslt\spectra.d
Injection Date: 24-Aug-2019 07:46:30
Spectrum: Tune Spec :Average 311-313(4.92-4.93) Bgrd 306(4.89)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 202

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	78	123.00	195	191.00	69	274.00	1124
39.00	474	124.00	103	192.00	189	275.00	6491
41.00	69	125.00	100	193.00	238	276.00	846
49.00	64	127.00	8203	196.00	596	277.00	448
50.00	1422	128.00	629	198.00	20152	278.00	72
51.00	5587	129.00	3079	199.00	1349	283.00	45
52.00	302	130.00	273	200.00	97	285.00	94
55.00	69	131.00	61	201.00	97	293.00	114
56.00	172	134.00	99	203.00	127	295.00	22
57.00	410	135.00	267	204.00	650	296.00	1679
61.00	77	136.00	99	205.00	1137	297.00	213
62.00	78	137.00	126	206.00	5091	303.00	237
63.00	218	141.00	392	207.00	717	304.00	39
65.00	118	142.00	133	208.00	177	314.00	90
68.00	103	143.00	76	210.00	56	315.00	195
69.00	5820	146.00	69	211.00	184	316.00	115
73.00	66	147.00	215	215.00	59	321.00	45
74.00	597	148.00	432	216.00	97	323.00	660
75.00	975	149.00	97	217.00	1257	324.00	127
76.00	336	151.00	17	218.00	147	327.00	119
77.00	6625	153.00	133	221.00	1030	328.00	40
78.00	434	154.00	106	223.00	312	332.00	38
79.00	416	155.00	231	224.00	2873	333.00	45
80.00	335	156.00	339	225.00	740	334.00	446
81.00	439	157.00	82	226.00	56	335.00	93
82.00	113	158.00	88	227.00	1070	341.00	73
83.00	118	159.00	38	228.00	168	346.00	126
85.00	105	160.00	129	229.00	236	352.00	209
86.00	141	161.00	180	231.00	102	353.00	144
87.00	41	162.00	18	234.00	69	354.00	234
91.00	111	165.00	163	235.00	89	355.00	17
92.00	124	166.00	119	236.00	18	365.00	916
93.00	756	167.00	850	237.00	82	366.00	134

Report Date: 24-Aug-2019 22:20:19 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272079.d\8270_5R.rslt\spectra.d
Injection Date: 24-Aug-2019 07:46:30
Spectrum: Tune Spec :Average 311-313(4.92-4.93) Bgrd 306(4.89)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 202

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	41	168.00	374	239.00	17	371.00	66
98.00	570	169.00	64	241.00	74	372.00	387
99.00	475	172.00	64	242.00	159	373.00	90
101.00	267	173.00	94	243.00	169	383.00	104
103.00	87	174.00	180	244.00	2525	390.00	64
104.00	184	175.00	330	245.00	307	402.00	185
105.00	161	176.00	107	246.00	404	403.00	258
106.00	64	177.00	147	247.00	87	404.00	86
107.00	2141	178.00	56	249.00	81	421.00	231
108.00	313	179.00	635	253.00	63	422.00	227
109.00	94	180.00	418	255.00	12793	423.00	1742
110.00	4091	181.00	188	256.00	1887	424.00	368
111.00	617	184.00	40	257.00	127	441.00	5117
112.00	68	185.00	327	258.00	657	442.00	32984
116.00	121	186.00	2520	259.00	87	443.00	6367
117.00	1773	187.00	681	265.00	268	444.00	546
118.00	118	188.00	71	266.00	18		
122.00	153	189.00	157	273.00	403		

Breakdown Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272079.d				
Injection Date:	24-Aug-2019 07:46:30	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		

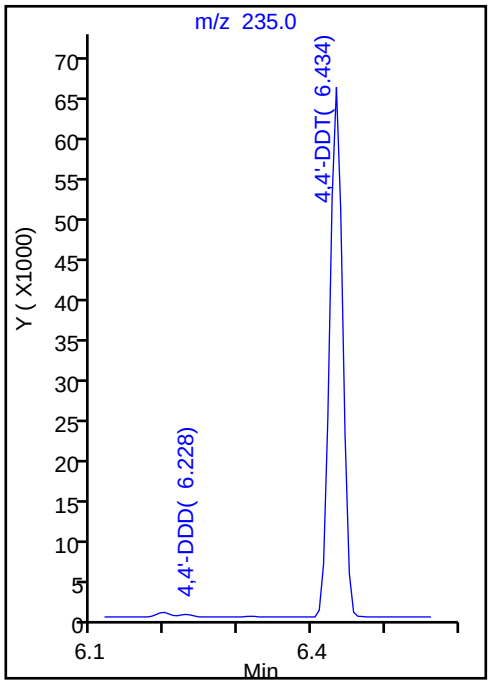
127 4,4'-DDT, Detector: MS SCAN

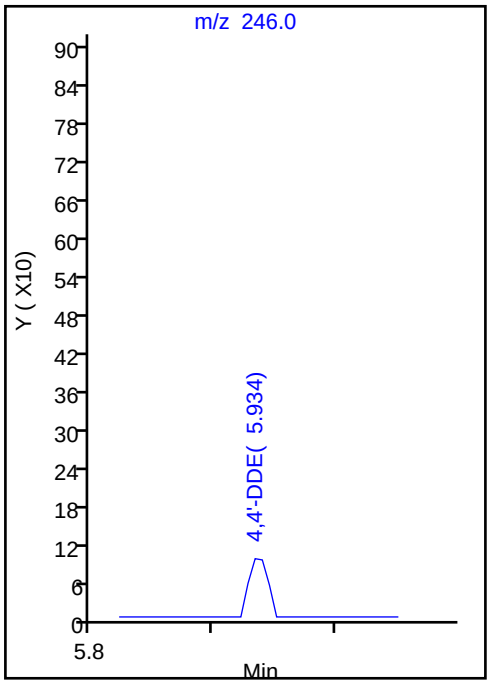
SW-846 Method

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

127 4,4'-DDT, Area = 80906
126 4,4'-DDD, Area = 378
125 4,4'-DDE, Area = 101

%Breakdown: 0.59%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

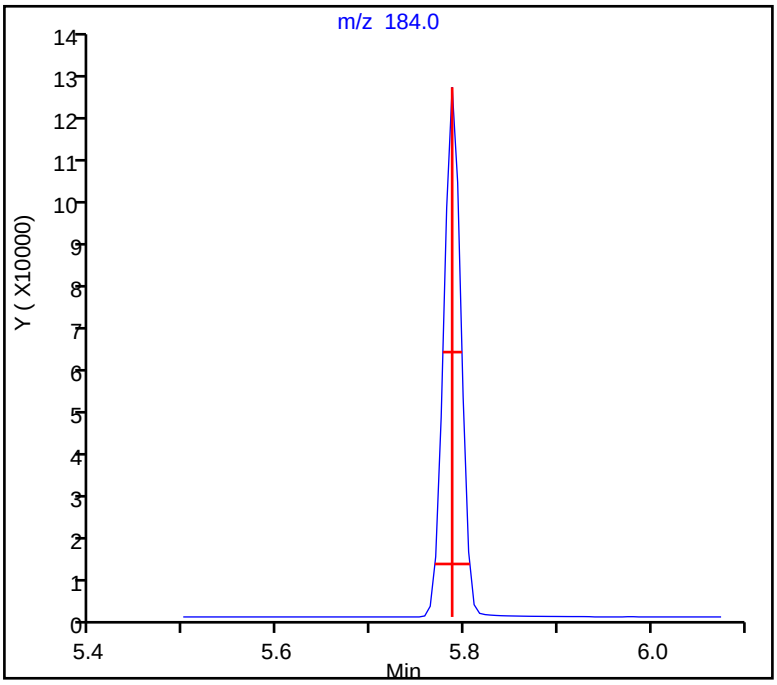
Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272079.d				
Injection Date:	24-Aug-2019 07:46:30	Instrument ID:	CBNAMS5		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

55 Benzidine_T, Detector: MS SCAN

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

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

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

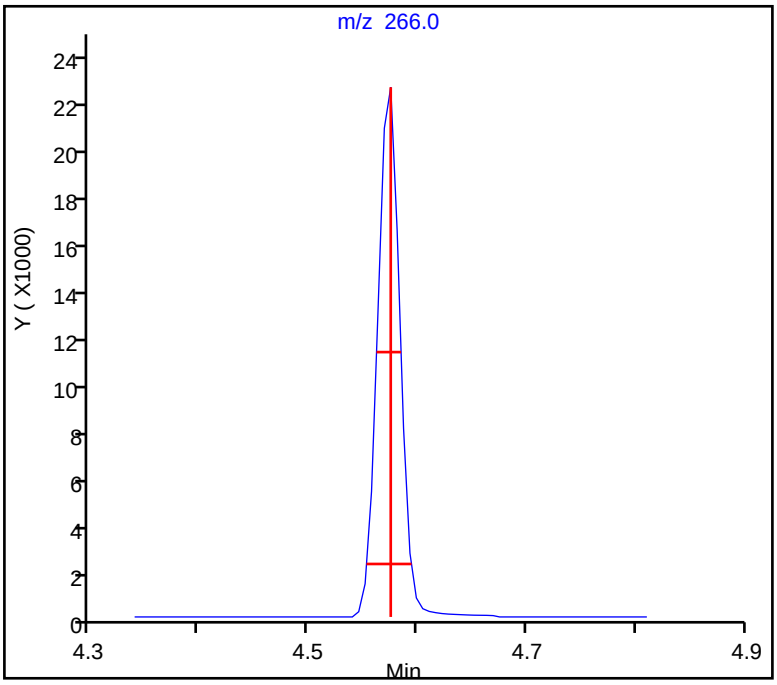
Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272079.d				
Injection Date:	24-Aug-2019 07:46:30	Instrument ID:	CBNAMS5		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)
Front Width = 0.022 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272190.d				
Lims ID:	dftpp				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	28-Aug-2019 04:09:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0096743-001				
Misc. Info.:	DFTPP				
Operator ID:		Instrument ID:	CBNAMS5		
Method:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m				
Limit Group:	SV 8270D ICAL				
Last Update:	28-Aug-2019 11:11:27	Calib Date:	24-Aug-2019 14:49:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0311				

First Level Reviewer: manlangitf Date: 28-Aug-2019 04:21:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.522	4.522	0.000	87	16922	NR	NR	
55 Benzidine_T	184	5.734	5.734	0.000	99	99270	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	6.175	6.175	0.000	1	337		NR	
127 4,4'-DDT	235	6.387	6.387	0.000	96	49435	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

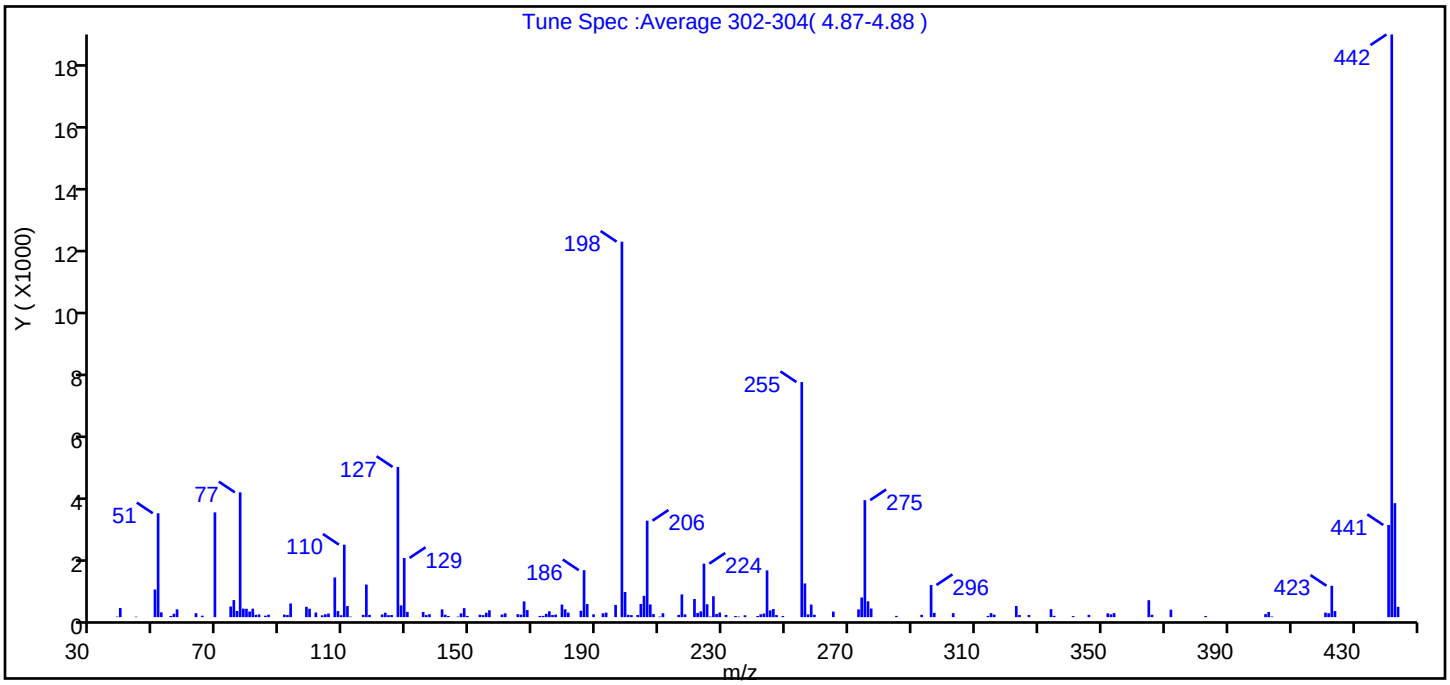
SMDFTP_CH_00028 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272190.d				
Injection Date:	28-Aug-2019 04:09:30	Instrument ID:	CBNAMS5		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		
Tune Method:	DFTPP Method 8270D, BP 198				

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (64.4)
51	10-80% of the base peak	27.7
68	<2% of mass 69	0.0 (0.0)
69	Present	27.9
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	40.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.7
275	10-60% of the base peak	31.2
365	>1% of mass 198	4.5
441	present but <24% of mass 442	24.5 (15.8)
442	base peak, or >50% of 198	155.2
443	15-24% of mass 442	30.4 (19.6)

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272190.d\8270_5R.rslt\spectra.d
Injection Date: 28-Aug-2019 04:09:30
Spectrum: Tune Spec :Average 302-304(4.87-4.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 166

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	17	122.00	85	193.00	146	259.00	76
39.00	292	123.00	142	196.00	392	265.00	179
44.00	17	124.00	64	198.00	12074	273.00	250
50.00	888	125.00	69	199.00	809	274.00	632
51.00	3340	127.00	4831	200.00	75	275.00	3762
52.00	155	128.00	378	201.00	65	276.00	509
55.00	38	129.00	1903	203.00	68	277.00	277
56.00	108	130.00	169	204.00	424	285.00	41
57.00	251	135.00	165	205.00	686	293.00	74
63.00	126	136.00	67	206.00	3102	296.00	1033
65.00	47	137.00	93	207.00	409	297.00	137
69.00	3369	141.00	250	208.00	98	303.00	128
74.00	342	142.00	77	210.00	18	314.00	40
75.00	549	143.00	39	211.00	126	315.00	128
76.00	198	146.00	17	216.00	73	316.00	80
77.00	4014	147.00	120	217.00	731	323.00	359
78.00	274	148.00	290	218.00	89	324.00	69
79.00	269	149.00	39	221.00	583	327.00	69
80.00	182	153.00	79	222.00	135	334.00	256
81.00	273	154.00	66	223.00	185	335.00	42
82.00	75	155.00	142	224.00	1721	341.00	35
83.00	87	156.00	222	225.00	414	346.00	73
85.00	46	160.00	84	226.00	18	352.00	122
86.00	79	161.00	124	227.00	672	353.00	90
91.00	82	165.00	95	228.00	101	354.00	129
92.00	68	166.00	80	229.00	148	365.00	546
93.00	440	167.00	506	231.00	71	366.00	76
98.00	332	168.00	228	234.00	37	372.00	240
99.00	270	172.00	40	235.00	18	383.00	38
101.00	149	173.00	41	237.00	61	402.00	98
103.00	59	174.00	107	241.00	37	403.00	164
104.00	92	175.00	189	242.00	92	404.00	20
105.00	116	176.00	68	243.00	116	421.00	145

Report Date: 28-Aug-2019 11:11:27 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272190.d\8270_5R.rslt\spectra.d
Injection Date: 28-Aug-2019 04:09:30
Spectrum: Tune Spec :Average 302-304(4.87-4.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 166

m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	1277	177.00	82	244.00	1503	422.00	125
108.00	195	179.00	404	245.00	218	423.00	1009
109.00	61	180.00	252	246.00	262	424.00	195
110.00	2331	181.00	145	247.00	66	441.00	2963
111.00	356	185.00	205	249.00	36	442.00	18736
112.00	16	186.00	1510	255.00	7559	443.00	3666
116.00	73	187.00	421	256.00	1084	444.00	333
117.00	1047	189.00	89	257.00	88		
118.00	73	192.00	124	258.00	405		

Breakdown Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272190.d				
Injection Date:	28-Aug-2019 04:09:30	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		

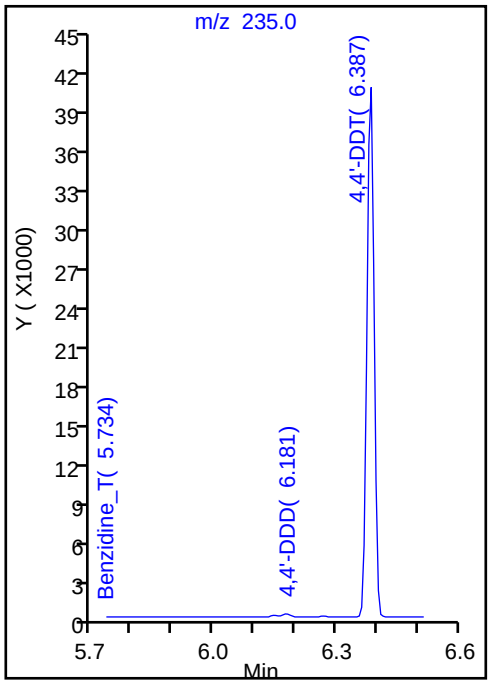
127 4,4'-DDT, Detector: MS SCAN

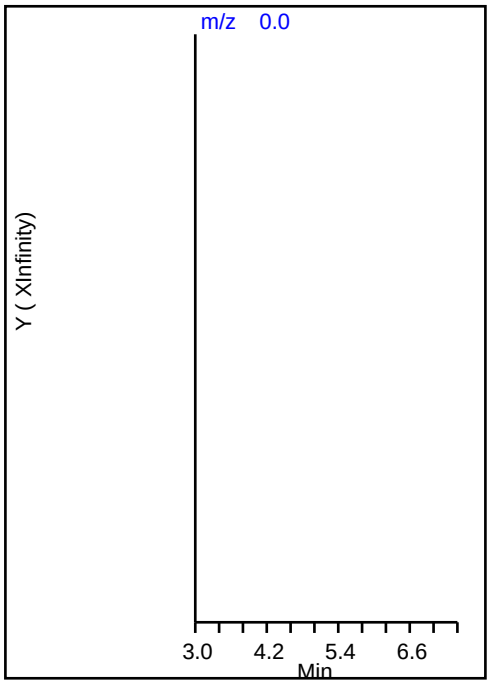
SW-846 Method

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

127 4,4'-DDT, Area = 49435
126 4,4'-DDD, Area = 337
125 4,4'-DDE, Area = 0

%Breakdown: 0.68%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

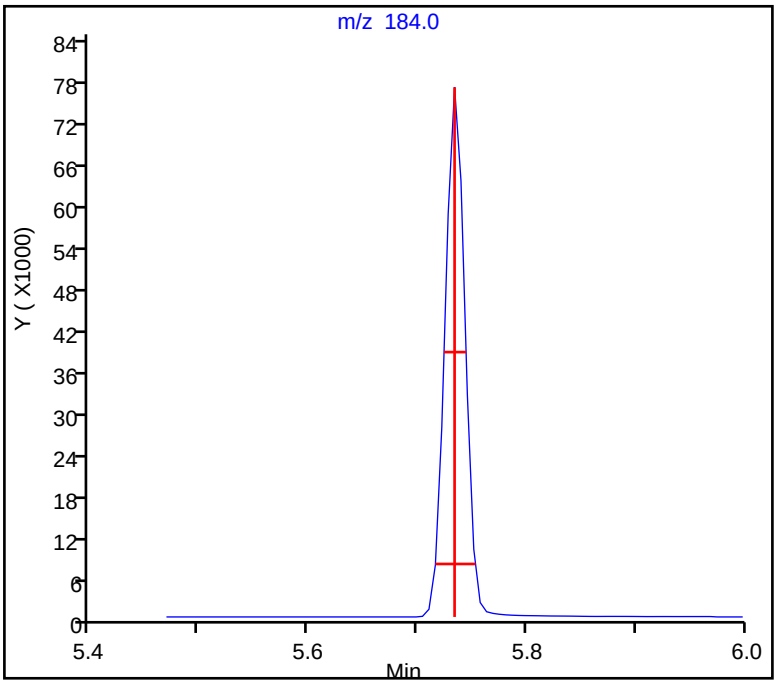
Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272190.d				
Injection Date:	28-Aug-2019 04:09:30	Instrument ID:	CBNAMS5		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

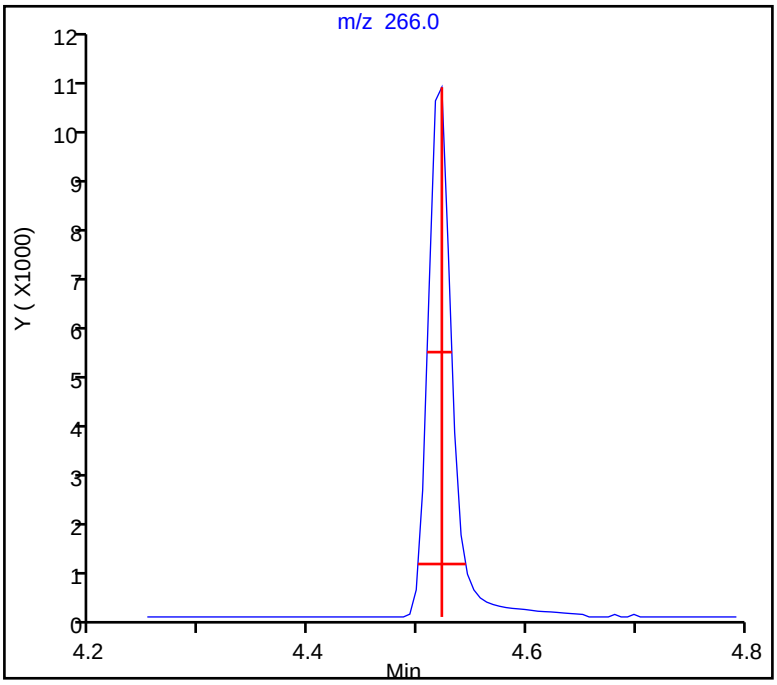
Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272190.d				
Injection Date:	28-Aug-2019 04:09:30	Instrument ID:	CBNAMS5		
Lims ID:	dftpp				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270D ICAL		

30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.022 (min.)
Front Width = 0.022 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-635227/1-A
Matrix: Water
Lab File ID: A163407.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3510C
Date Extracted: 08/27/2019 10:37
Sample wt/vol: 250(mL)
Date Analyzed: 08/27/2019 19:36
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 5(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635316
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	87		51-108
1718-51-0	Terphenyl-d14 (Surr)	86		40-148
321-60-8	2-Fluorobiphenyl	77		45-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163407.D
Lims ID: MB 460-635227/1-A
Client ID:
Sample Type: MB
Inject. Date: 27-Aug-2019 19:36:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096727-005
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 28-Aug-2019 14:26:18 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0310

First Level Reviewer: khlungprakhons Date: 28-Aug-2019 14:26:53

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	2.425	2.431	-0.006	96	459277	10.0	4.53	
$ 6 Phenol-d5	99	3.284	3.290	-0.006	0	361642	10.0	3.09	
12 n-Decane	43	3.455	3.460	-0.006	88	10486		0.1203	
* 14 1,4-Dichlorobenzene-d4	152	3.596	3.601	-0.005	97	611195	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.160	4.166	-0.006	88	950998	10.0	8.71	
26 2-Toluidine	107	4.866	4.775	0.091	35	10802		NC	
* 38 Naphthalene-d8	136	4.866	4.872	-0.006	99	2476393	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	5.954	5.954	0.000	98	1684474	10.0	7.68	
* 64 Acenaphthene-d10	164	6.590	6.595	-0.005	95	1176477	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.360	7.366	-0.006	88	149432	10.0	6.56	
* 87 Phenanthrene-d10	188	8.019	8.025	-0.006	99	1711196	8.00	8.00	
58 1-Naphthylamine	143	8.019	8.109	-0.097	42	585		NC	
$ 96 Terphenyl-d14	244	9.572	9.572	0.000	99	1270134	10.0	8.61	
* 102 Chrysene-d12	240	10.583	10.589	-0.006	98	1073511	8.00	8.00	
* 109 Perylene-d12	264	12.236	12.242	-0.006	97	1209369	8.00	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 14:26:54 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163407.D

Injection Date: 27-Aug-2019 19:36:30 Instrument ID: CBNAMS16 Operator ID:

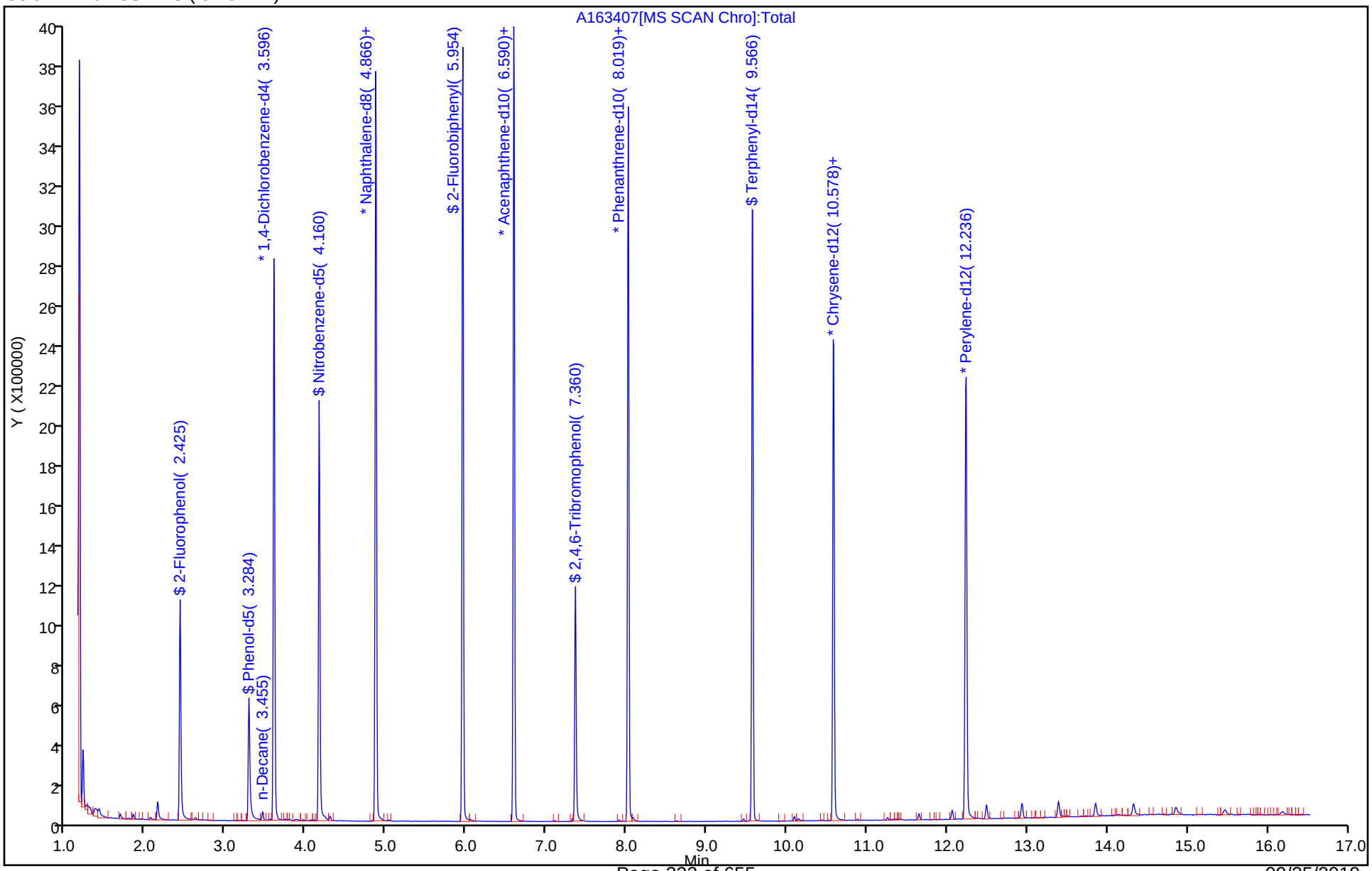
Lims ID: MB 460-635227/1-A Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-635378/1-A
Matrix: Solid
Lab File ID: X272193.d
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0000(g)
Date Analyzed: 08/28/2019 05:15
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.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	0.017	U	0.33	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	83		25-113
1718-51-0	Terphenyl-d14 (Surr)	91		27-123
321-60-8	2-Fluorobiphenyl	81		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272193.d
Lims ID: MB 460-635378/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Aug-2019 05:15:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096743-004
Operator ID: Instrument ID: CBNAMS5

Method: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 28-Aug-2019 11:11:35 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: manlangitf Date: 28-Aug-2019 06:27:00

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	3.140	3.134	0.006	96	35311	50.0	42.6	
$ 6 Phenol-d5	99	4.022	4.028	-0.006	98	41741	50.0	42.5	
* 14 1,4-Dichlorobenzene-d4	152	4.381	4.387	-0.006	94	26781	40.0	40.0	
$ 26 Nitrobenzene-d5	82	4.904	4.910	-0.006	85	33745	50.0	41.3	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	99	100023	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	97	80660	50.0	40.4	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	96	52004	40.0	40.0	
$ 80 2,4,6-Tribromophenol	330	7.992	7.998	-0.006	85	19507	50.0	39.1	
* 88 Phenanthrene-d10	188	8.645	8.645	0.000	98	96509	40.0	40.0	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	100518	50.0	45.3	
* 102 Chrysene-d12	240	11.251	11.257	-0.006	98	84745	40.0	40.0	
* 109 Perylene-d12	264	13.110	13.121	-0.011	99	102555	40.0	40.0	

Reagents:

SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272193.d

Injection Date: 28-Aug-2019 05:15:30 Instrument ID: CBNAMS5 Operator ID:

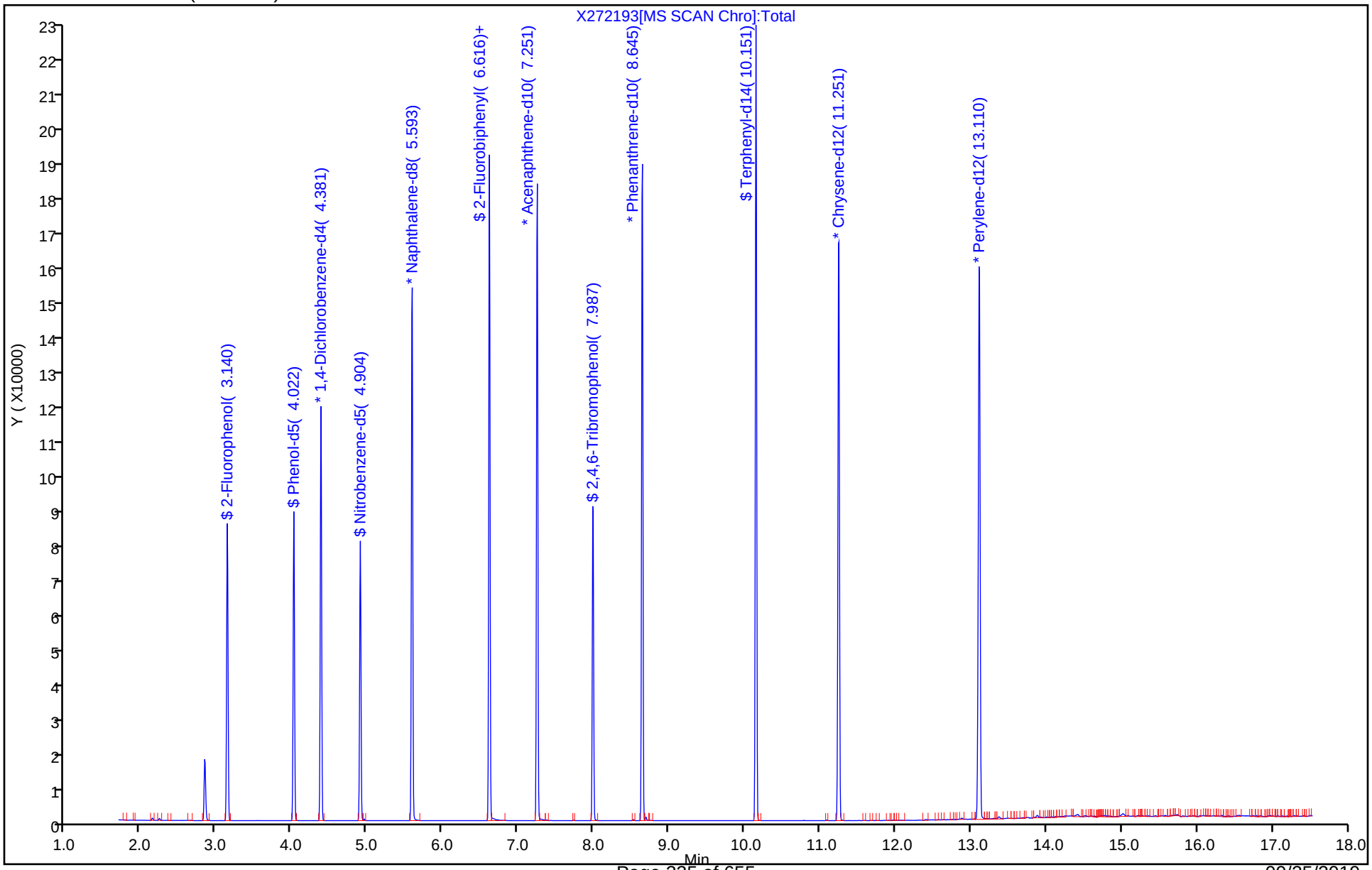
Lims ID: MB 460-635378/1-A Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-635227/2-A
Matrix: Water
Lab File ID: A163408.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3510C
Date Extracted: 08/27/2019 10:37
Sample wt/vol: 250(mL)
Date Analyzed: 08/27/2019 19:56
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 5(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635316
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	79.2		2.0	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	75		51-108
1718-51-0	Terphenyl-d14 (Surr)	68		40-148
321-60-8	2-Fluorobiphenyl	68		45-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163408.D
Lims ID: LCS 460-635227/2-A
Client ID:
Sample Type: LCS
Inject. Date: 27-Aug-2019 19:56:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096727-006
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 28-Aug-2019 14:28:43 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0310

First Level Reviewer: eisam Date: 27-Aug-2019 20:33:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.319	1.349	-0.030	94	146236	10.0	4.04	
2 N-Nitrosodimethylamine	74	1.490	1.513	-0.023	88	238691	10.0	4.65	
3 Pyridine	79	1.513	1.531	-0.018	92	453297	20.0	5.79	
$ 4 2-Fluorophenol	112	2.419	2.431	-0.012	96	351696	10.0	3.67	
8 Aniline	93	3.278	3.284	-0.006	99	701726	10.0	4.88	
$ 6 Phenol-d5	99	3.284	3.290	-0.006	0	277575	10.0	2.51	
7 Phenol	94	3.295	3.301	-0.006	90	339537	10.0	2.75	
9 Bis(2-chloroethyl)ether	93	3.348	3.354	-0.006	97	694224	10.0	7.83	
10 Benzonitrile	103	3.354	3.360	-0.006	98	1357676	NC	NC	
11 2-Chlorophenol	128	3.401	3.407	-0.006	97	660610	10.0	6.34	
12 n-Decane	43	3.454	3.460	-0.006	89	508078	10.0	6.17	
13 1,3-Dichlorobenzene	146	3.543	3.548	-0.005	94	645743	10.0	5.54	
* 14 1,4-Dichlorobenzene-d4	152	3.595	3.601	-0.006	96	577607	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.613	3.619	-0.006	94	669532	10.0	5.66	
17 1,2-Dichlorobenzene	146	3.766	3.772	-0.006	95	636766	10.0	5.75	
16 Benzyl alcohol	108	3.766	3.778	-0.012	93	259213	10.0	4.66	
19 2,2'-oxybis[1-chloropropan	45	3.890	3.895	-0.005	93	816626	10.0	8.41	
18 2-Methylphenol	108	3.901	3.907	-0.006	92	495238	10.0	5.71	
20 N-Methylaniline	106	4.007	4.013	-0.006	93	923049	10.0	6.80	
21 Acetophenone	105	4.019	4.019	0.000	95	1015166	10.0	7.29	
22 N-Nitrosodi-n-propylamine	70	4.025	4.031	-0.006	89	503436	10.0	8.03	
24 4-Methylphenol	108	4.066	4.066	0.000	95	448571	10.0	4.99	
23 3 & 4 Methylphenol	108	4.066	4.066	0.000	97	483195	10.0	5.18	
25 Hexachloroethane	117	4.095	4.101	-0.006	93	240867	10.0	5.75	
$ 27 Nitrobenzene-d5	82	4.166	4.166	0.000	88	757562	10.0	7.47	
28 Nitrobenzene	123	4.184	4.190	-0.006	94	362930	10.0	7.67	
29 n,n'-Dimethylaniline	120	4.184	4.190	-0.006	93	1019600	10.0	6.69	
30 Isophorone	82	4.425	4.431	-0.006	99	1325850	10.0	7.80	
32 2-Nitrophenol	139	4.501	4.507	-0.006	91	376246	10.0	7.03	
33 2,4-Dimethylphenol	122	4.584	4.590	-0.006	91	543609	10.0	6.42	
34 Bis(2-chloroethoxy)methane	93	4.660	4.666	-0.006	98	809220	10.0	7.86	
35 Benzoic acid	122	4.707	4.748	-0.041	88	143113	10.0	3.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.760	4.766	-0.006	96	530422	10.0	6.52	
37 1,2,4-Trichlorobenzene	180	4.825	4.825	0.000	95	505041	10.0	5.69	
* 38 Naphthalene-d8	136	4.872	4.872	0.000	99	2299178	8.00	8.00	
39 Naphthalene	128	4.890	4.890	0.000	99	1909181	10.0	6.34	
40 4-Chloroaniline	127	4.972	4.972	0.000	97	713057	10.0	6.02	
41 Hexachlorobutadiene	225	5.031	5.031	0.000	90	233048	10.0	4.93	
43 4-Chloro-3-methylphenol	107	5.495	5.495	0.000	96	503416	10.0	6.31	
44 2-Methylnaphthalene	142	5.584	5.584	0.000	86	1302425	10.0	6.69	
45 1-Methylnaphthalene	142	5.672	5.678	-0.006	93	1197485	10.0	6.61	
46 Hexachlorocyclopentadiene	237	5.742	5.748	-0.006	96	172213	10.0	3.35	
47 1,2,4,5-Tetrachlorobenzene	216	5.754	5.754	0.000	97	470546	10.0	6.08	
48 2-tertbutyl-4-methylphenol	149	5.825	5.825	0.000	90	910167	10.0	7.41	
49 2,4,6-Trichlorophenol	196	5.884	5.884	0.000	89	337902	10.0	6.64	
50 2,4,5-Trichlorophenol	196	5.925	5.925	0.000	94	355851	10.0	6.57	
$ 51 2-Fluorobiphenyl	172	5.954	5.954	0.000	98	1362607	10.0	6.80	
52 1,1'-Biphenyl	154	6.048	6.048	0.000	96	1524511	10.0	6.89	
53 2-Chloronaphthalene	162	6.054	6.054	0.000	98	1150088	10.0	6.69	
54 Phenyl ether	170	6.154	6.154	0.000	85	805050	10.0	7.30	
55 2-Nitroaniline	65	6.178	6.184	-0.006	94	355671	10.0	6.70	
57 1,3-Dimethylnaphthalene	156	6.272	6.278	-0.006	91	968469	10.0	7.22	
60 Coumarin	146	6.372	6.372	0.000	70	432610	10.0	7.38	
59 Dimethyl phthalate	163	6.372	6.372	0.000	98	1288717	10.0	7.15	
61 2,6-Dinitrotoluene	165	6.425	6.425	0.000	94	300424	10.0	7.86	
62 Acenaphthylene	152	6.454	6.454	0.000	98	1832989	10.0	6.99	
63 3-Nitroaniline	138	6.584	6.584	0.000	96	302847	10.0	7.12	
* 64 Acenaphthene-d10	164	6.595	6.595	0.000	96	1075862	8.00	8.00	
66 Acenaphthene	154	6.625	6.625	0.000	95	1083039	10.0	6.87	
65 3,5-di-tert-butyl-4-hydrox	205	6.648	6.648	0.000	98	967402	10.0	7.11	
67 2,4-Dinitrophenol	184	6.689	6.695	-0.006	92	295523	20.0	15.1	
70 Dibenzofuran	168	6.795	6.795	0.000	95	1568619	10.0	6.83	
68 4-Nitrophenol	65	6.813	6.825	0.006	50	163859	20.0	5.26	a
69 2,4-Dinitrotoluene	165	6.813	6.813	0.000	93	384437	10.0	7.75	
72 2,3,4,6-Tetrachlorophenol	232	6.936	6.936	0.000	88	250219	10.0	6.48	
73 Diethyl phthalate	149	7.054	7.060	-0.006	98	1378570	10.0	7.61	
75 Fluorene	166	7.125	7.125	0.000	95	1261186	10.0	7.15	
74 4-Chlorophenyl phenyl ethe	204	7.136	7.136	0.000	85	534333	10.0	6.56	
76 4-Nitroaniline	138	7.178	7.183	-0.005	88	313365	10.0	7.79	
77 4,6-Dinitro-2-methylphenol	198	7.213	7.213	0.000	82	403876	20.0	15.5	
78 N-Nitrosodiphenylamine	169	7.260	7.260	0.000	73	913654	10.0	7.42	
79 1,2-Diphenylhydrazine	77	7.289	7.289	0.000	99	1364499	10.0	8.15	
$ 80 2,4,6-Tribromophenol	330	7.366	7.366	0.000	90	125695	10.0	6.04	
81 4-Bromophenyl phenyl ether	248	7.607	7.607	0.000	80	277404	10.0	6.55	
82 Hexachlorobenzene	284	7.660	7.660	0.000	97	289414	10.0	6.53	
84 Pentachlorophenol	266	7.866	7.866	0.000	87	318682	20.0	13.1	
85 Pentachloronitrobenzene	237	7.872	7.872	0.000	82	132143	10.0	6.87	
86 n-Octadecane	57	7.972	7.978	-0.006	91	791101	10.0	8.78	
* 87 Phenanthrene-d10	188	8.019	8.025	-0.006	99	1608126	8.00	8.00	
88 Phenanthrene	178	8.042	8.048	-0.006	97	1705766	10.0	7.41	
89 Anthracene	178	8.089	8.095	-0.006	98	1755738	10.0	7.46	
90 Carbazole	167	8.266	8.266	0.000	96	1573539	10.0	7.76	
91 Di-n-butyl phthalate	149	8.630	8.630	0.000	99	2072070	10.0	8.68	
92 Fluoranthene	202	9.183	9.183	0.000	98	1602628	10.0	7.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.342	9.336	0.006	99	161011	10.0	1.27	
94 Pyrene	202	9.395	9.395	0.000	97	1611630	10.0	7.64	
$ 96 Terphenyl-d14	244	9.572	9.572	0.000	99	984888	10.0	6.81	
95 Bisphenol-A	213	9.630	9.630	0.053	97	287229	5.00	3.47	M
97 Butyl benzyl phthalate	149	10.060	10.060	0.000	96	833349	10.0	9.36	
99 Carbamazepine	193	10.148	10.148	0.000	92	717776	10.0	8.76	
100 3,3'-Dichlorobenzidine	252	10.571	10.571	0.000	99	483429	10.0	7.97	
101 Benzo[a]anthracene	228	10.571	10.577	-0.006	100	1370858	10.0	7.73	
* 102 Chrysene-d12	240	10.583	10.589	-0.006	98	1052615	8.00	8.00	
104 Chrysene	228	10.613	10.613	0.000	98	1334258	10.0	8.31	
103 Bis(2-ethylhexyl) phthalat	149	10.660	10.666	-0.006	86	1157642	10.0	9.90	
105 Di-n-octyl phthalate	149	11.389	11.395	-0.006	96	1952010	10.0	7.76	
106 Benzo[b]fluoranthene	252	11.783	11.783	0.000	98	1241111	10.0	6.73	
107 Benzo[k]fluoranthene	252	11.813	11.818	-0.005	99	1528312	10.0	8.10	
108 Benzo[a]pyrene	252	12.166	12.171	-0.005	96	1208505	10.0	7.12	
* 109 Perylene-d12	264	12.236	12.242	-0.006	97	1217891	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.542	13.542	-0.006	99	1375797	10.0	6.64	M
111 Dibenz(a,h)anthracene	278	13.571	13.577	-0.006	93	1432271	10.0	7.10	
112 Benzo[g,h,i]perylene	276	13.860	13.865	-0.005	96	1526410	10.0	6.97	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

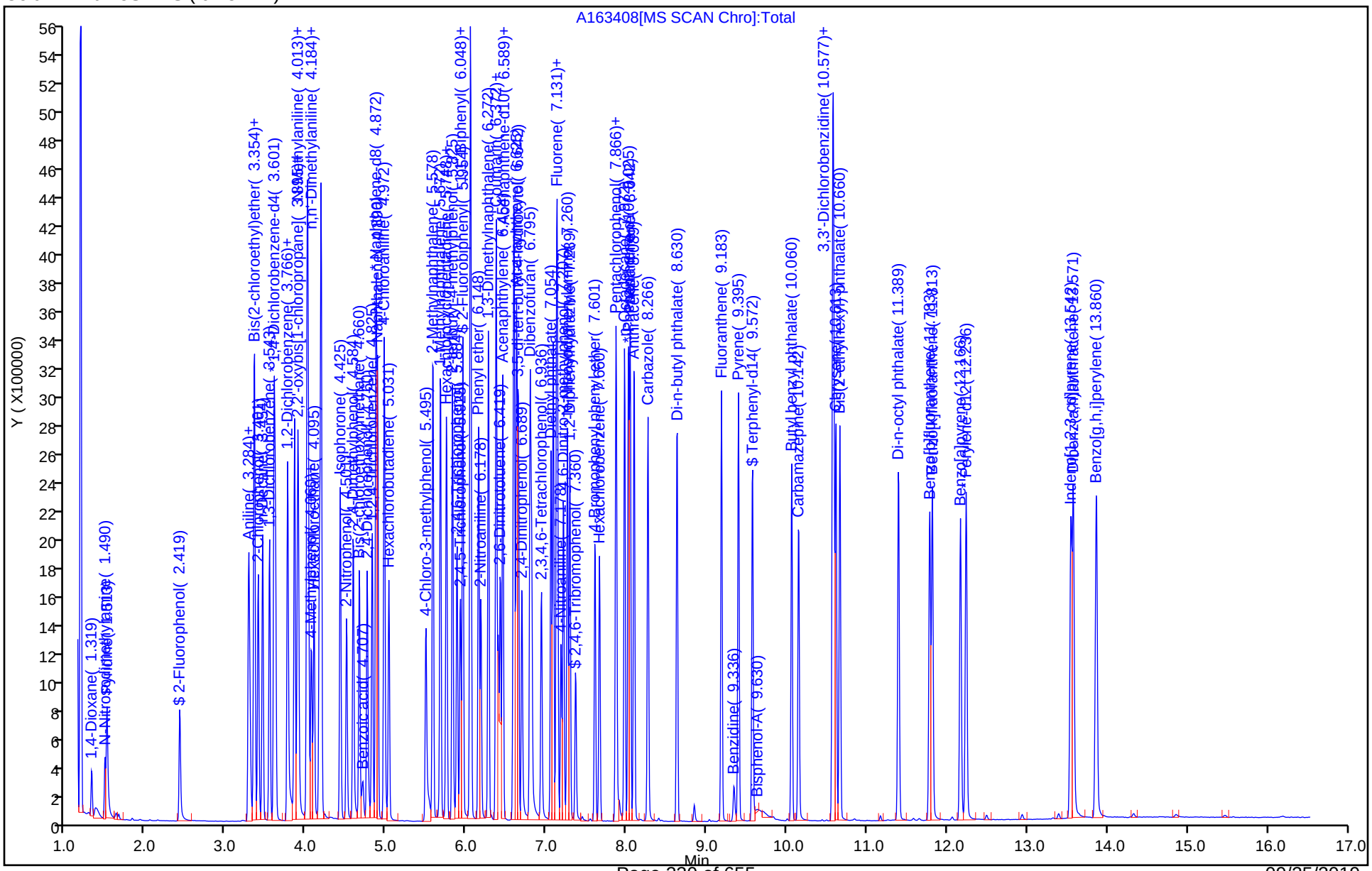
SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 14:28:46 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163408.D				
Injection Date:	27-Aug-2019 19:56:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LCS 460-635227/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-635378/2-A
Matrix: Solid
Lab File ID: X272194.d
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0000(g)
Date Analyzed: 08/28/2019 05:38
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.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	3.14		0.33	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	75		25-113
1718-51-0	Terphenyl-d14 (Surr)	87		27-123
321-60-8	2-Fluorobiphenyl	76		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272194.d
Lims ID: LCS 460-635378/2-A
Client ID:
Sample Type: LCS
Inject. Date: 28-Aug-2019 05:38:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096743-005
Operator ID: Instrument ID: CBNAMS5

Method: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 28-Aug-2019 11:11:35 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: manlangitf Date: 28-Aug-2019 06:27:41

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	1.787	1.758	0.029	93	8083	50.0	24.5	
2 N-Nitrosodimethylamine	74	2.010	1.987	0.023	87	18403	50.0	34.1	
3 Pyridine	79	2.046	2.016	0.030	93	54254	100.0	65.8	
$ 4 2-Fluorophenol	112	3.146	3.134	0.012	96	36411	50.0	37.7	
$ 6 Phenol-d5	99	4.034	4.028	0.006	95	43999	50.0	38.4	
7 Phenol	94	4.046	4.046	0.000	98	49070	50.0	40.6	
8 Aniline	93	4.069	4.069	0.000	97	52986	50.0	37.0	
9 Bis(2-chloroethyl)ether	93	4.128	4.128	0.000	94	31959	50.0	36.9	
10 Benzonitrile	103	4.146	4.146	0.000	98	66241	NC	NC	
11 2-Chlorophenol	128	4.187	4.187	0.000	91	40067	50.0	37.5	
12 n-Decane	43	4.234	4.234	0.000	91	28841	50.0	30.4	
13 1,3-Dichlorobenzene	146	4.334	4.334	0.000	96	40180	50.0	33.4	
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	93	31213	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.404	4.399	0.005	95	40955	50.0	33.7	
16 Benzyl alcohol	108	4.516	4.510	0.006	93	24171	50.0	37.7	
17 1,2-Dichlorobenzene	146	4.551	4.546	0.005	90	39332	50.0	34.3	
18 2-Methylphenol	108	4.622	4.622	0.000	85	33528	50.0	38.2	
19 2,2'-oxybis[1-chloropropan	45	4.646	4.646	0.000	93	43474	50.0	36.3	a
20 N-Methylaniline	106	4.757	4.757	0.000	79	51356	50.0	36.8	
24 4-Methylphenol	108	4.769	4.769	0.000	77	37880	50.0	38.9	
23 3 & 4 Methylphenol	108	4.769	4.769	0.000	75	37880	50.0	38.9	
21 Acetophenone	105	4.769	4.769	0.000	84	48067	50.0	36.3	
22 N-Nitrosodi-n-propylamine	70	4.769	4.769	0.000	66	24291	50.0	39.4	
25 Hexachloroethane	117	4.869	4.869	0.000	89	14406	50.0	35.1	
$ 26 Nitrobenzene-d5	82	4.910	4.910	0.000	86	34841	50.0	37.3	
28 Nitrobenzene	123	4.928	4.928	0.000	93	17820	50.0	39.0	
27 n,n'-Dimethylaniline	120	4.934	4.934	0.000	88	53164	50.0	35.2	
31 Isophorone	82	5.157	5.157	0.000	97	61976	50.0	38.1	
32 2-Nitrophenol	139	5.234	5.234	0.000	96	20520	50.0	37.1	
33 2,4-Dimethylphenol	122	5.275	5.275	0.000	91	33158	50.0	38.3	
34 Bis(2-chloroethoxy)methane	93	5.363	5.363	0.000	99	40102	50.0	37.7	
35 Benzoic acid	122	5.381	5.387	-0.006	83	20976	50.0	33.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.463	5.463	0.000	97	34748	50.0	39.7	
37 1,2,4-Trichlorobenzene	180	5.545	5.546	-0.001	94	36462	50.0	36.2	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	97	114506	40.0	40.0	
39 Naphthalene	128	5.616	5.616	0.000	99	106628	50.0	36.7	
40 4-Chloroaniline	127	5.663	5.669	-0.006	86	43621	50.0	35.5	
41 Hexachlorobutadiene	225	5.740	5.745	-0.005	97	22107	50.0	35.1	
43 4-Chloro-3-methylphenol	107	6.128	6.128	0.000	90	31363	50.0	40.7	
44 2-Methylnaphthalene	142	6.269	6.269	0.000	84	73700	50.0	37.1	
45 1-Methylnaphthalene	142	6.363	6.363	0.000	89	68698	50.0	36.8	
46 Hexachlorocyclopentadiene	237	6.428	6.428	0.000	87	29213	50.0	39.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.434	6.434	0.000	97	39526	50.0	38.1	
48 2-tertbutyl-4-methylphenol	149	6.463	6.463	0.000	72	50967	50.0	39.9	
49 2,4,6-Trichlorophenol	196	6.540	6.540	0.000	93	26323	50.0	38.2	
50 2,4,5-Trichlorophenol	196	6.569	6.569	0.000	81	31545	50.0	43.4	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	94	86238	50.0	38.0	
52 1,1'-Biphenyl	154	6.710	6.710	0.000	95	89815	50.0	38.9	
53 2-Chloronaphthalene	162	6.728	6.728	0.000	97	71390	50.0	39.5	
54 Phenyl ether	170	6.810	6.810	0.000	81	50173	50.0	41.4	
56 2-Nitroaniline	65	6.822	6.828	-0.006	95	21545	50.0	42.0	
57 1,3-Dimethylnaphthalene	156	6.934	6.940	-0.006	90	56542	50.0	39.7	
58 Dimethyl phthalate	163	7.004	7.004	0.000	99	82890	50.0	40.1	
59 Coumarin	146	7.016	7.022	-0.006	77	27271	50.0	39.0	
60 2,6-Dinitrotoluene	165	7.051	7.057	-0.006	4	18946	50.0	42.4	
61 Acenaphthylene	152	7.116	7.122	-0.006	96	108463	50.0	39.6	
64 3-Nitroaniline	138	7.210	7.210	0.000	96	17993	50.0	36.1	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	90	58984	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.281	7.281	0.000	81	68699	50.0	42.1	
67 Acenaphthene	154	7.281	7.287	-0.006	94	74494	50.0	40.6	
68 2,4-Dinitrophenol	184	7.310	7.310	0.000	53	22783	100.0	70.8	a
69 4-Nitrophenol	65	7.375	7.381	-0.006	89	25745	100.0	82.6	
70 2,4-Dinitrotoluene	165	7.434	7.434	0.000	73	25167	50.0	41.4	
71 Dibenzofuran	168	7.445	7.445	0.000	92	100786	50.0	39.4	
72 2,3,4,6-Tetrachlorophenol	232	7.563	7.563	0.000	96	25186	50.0	39.6	
73 Diethyl phthalate	149	7.669	7.669	0.000	98	82246	50.0	39.5	
75 Fluorene	166	7.763	7.769	-0.006	82	79015	50.0	39.3	
74 4-Chlorophenyl phenyl ethe	204	7.769	7.769	0.000	74	40994	50.0	39.3	
76 4-Nitroaniline	138	7.786	7.792	-0.006	87	20160	50.0	38.1	
77 4,6-Dinitro-2-methylphenol	198	7.822	7.822	0.000	77	32056	100.0	87.0	
78 N-Nitrosodiphenylamine	169	7.881	7.881	0.000	97	60308	50.0	42.3	
79 1,2-Diphenylhydrazine	77	7.916	7.916	0.000	97	68150	50.0	43.2	
$ 80 2,4,6-Tribromophenol	330	7.992	7.998	-0.006	88	22547	50.0	39.9	
81 4-Bromophenyl phenyl ether	248	8.222	8.228	-0.006	94	28535	50.0	40.4	
83 Hexachlorobenzene	284	8.292	8.292	0.000	92	36352	50.0	41.1	
85 Pentachlorophenol	266	8.475	8.475	0.000	89	44061	100.0	86.5	
86 Pentachloronitrobenzene	237	8.486	8.492	-0.006	87	12907	50.0	42.4	
87 n-Octadecane	57	8.557	8.563	-0.006	93	43464	50.0	45.3	
* 88 Phenanthrene-d10	188	8.645	8.645	0.000	98	104512	40.0	40.0	
89 Phenanthrene	178	8.669	8.669	0.000	97	121385	50.0	41.7	
90 Anthracene	178	8.716	8.716	0.000	97	122999	50.0	41.4	
91 Carbazole	167	8.863	8.869	-0.006	82	106688	50.0	41.2	
92 Di-n-butyl phthalate	149	9.204	9.204	0.000	99	132126	50.0	41.8	
93 Fluoranthene	202	9.786	9.786	0.000	98	131568	50.0	39.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Benzidine	184	9.910	9.916	-0.006	99	77903	50.0	38.2	
95 Pyrene	202	9.998	9.998	0.000	97	132080	50.0	45.6	
82 Bisphenol-A	213	10.045	10.051	-0.006	91	31515	25.0	22.6	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	105733	50.0	43.7	
97 Butyl benzyl phthalate	149	10.645	10.651	-0.006	93	53986	50.0	47.5	
99 Carbamazepine	193	10.751	10.757	-0.006	91	53967	50.0	49.4	
100 3,3'-Dichlorobenzidine	252	11.216	11.222	-0.006	97	35043	50.0	29.6	
101 Benzo[a]anthracene	228	11.239	11.245	-0.006	98	127407	50.0	44.0	
* 102 Chrysene-d12	240	11.251	11.257	-0.006	97	92340	40.0	40.0	
103 Chrysene	228	11.280	11.286	-0.006	95	119177	50.0	45.6	
104 Bis(2-ethylhexyl) phthalat	149	11.298	11.304	-0.006	80	78606	50.0	47.2	
105 Di-n-octyl phthalate	149	12.116	12.122	-0.006	92	132102	50.0	44.5	
106 Benzo[b]fluoranthene	252	12.586	12.598	-0.012	98	141810	50.0	42.8	
107 Benzo[k]fluoranthene	252	12.627	12.633	-0.006	98	136091	50.0	40.5	
108 Benzo[a]pyrene	252	13.033	13.039	-0.006	97	122731	50.0	39.8	
* 109 Perylene-d12	264	13.110	13.121	-0.011	99	114960	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.645	14.657	-0.012	98	149575	50.0	43.0	
111 Dibenz(a,h)anthracene	278	14.680	14.698	-0.018	96	143350	50.0	42.8	
112 Benzo[g,h,i]perylene	276	15.068	15.086	-0.018	90	145867	50.0	41.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

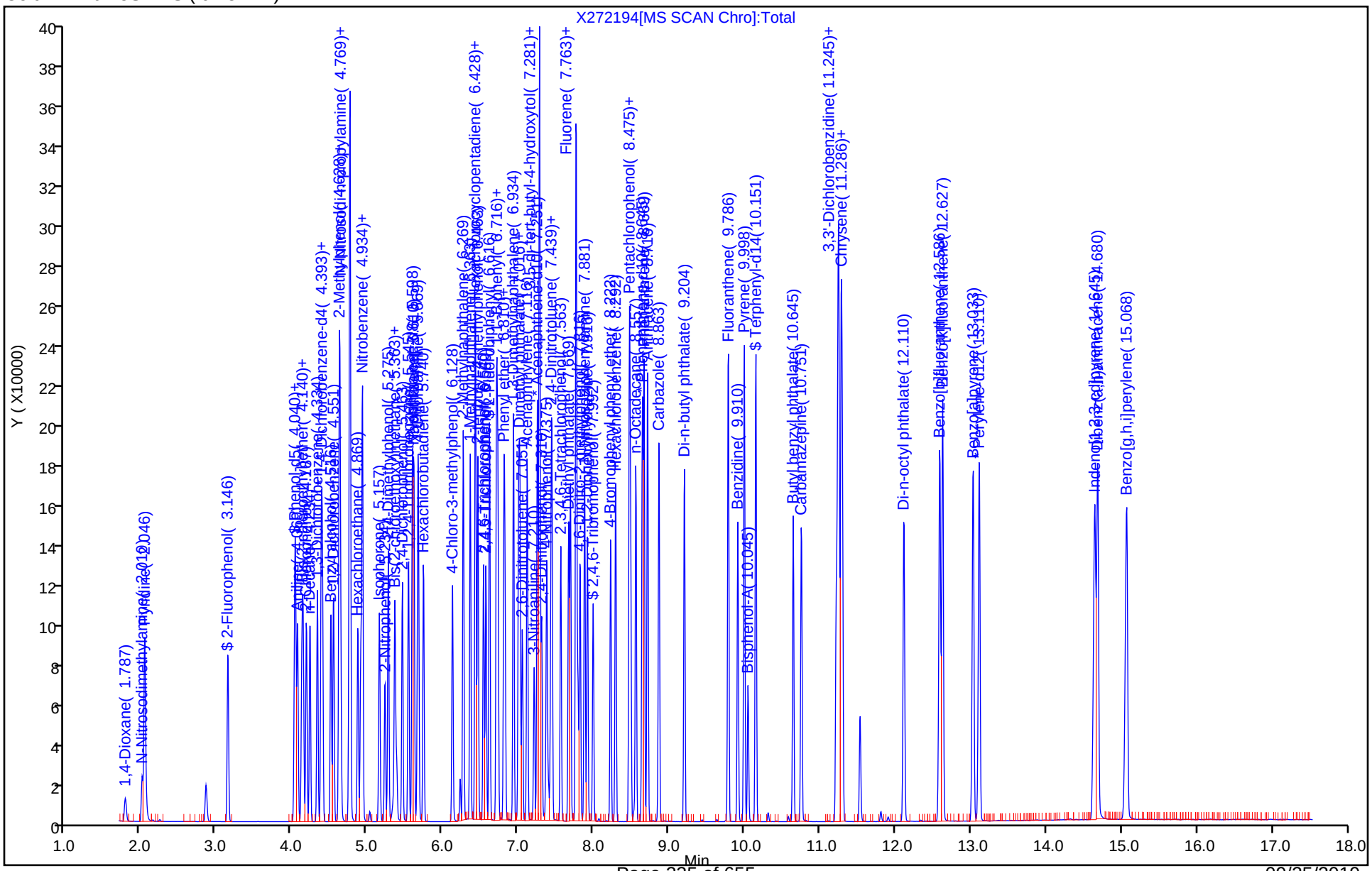
SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:41 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272194.d				
Injection Date:	28-Aug-2019 05:38:30	Instrument ID:	CBNAMS5	Operator ID:	
Lims ID:	LCS 460-635378/2-A			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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 460-635227/3-A
Matrix: Water
Lab File ID: A163409.D
Analysis Method: 8270D
Date Collected:
Extract. Method: 3510C
Date Extracted: 08/27/2019 10:37
Sample wt/vol: 250(mL)
Date Analyzed: 08/27/2019 20:20
Con. Extract Vol.: 2(mL)
Dilution Factor: 1
Injection Volume: 5(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635316
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	79.2		2.0	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	74		51-108
1718-51-0	Terphenyl-d14 (Surr)	68		40-148
321-60-8	2-Fluorobiphenyl	68		45-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163409.D
Lims ID: LCSD 460-635227/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 27-Aug-2019 20:20:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096727-007
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 28-Aug-2019 14:30:49 Calib Date: 19-Apr-2019 18:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190419-89811.b\A1600906.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0310

First Level Reviewer: eisam Date: 27-Aug-2019 21:33:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.325	1.349	-0.024	95	136730	10.0	3.79	
2 N-Nitrosodimethylamine	74	1.490	1.513	-0.023	91	215350	10.0	4.21	
3 Pyridine	79	1.519	1.531	-0.012	94	410699	20.0	5.26	
$ 4 2-Fluorophenol	112	2.425	2.431	-0.006	96	349479	10.0	3.66	
8 Aniline	93	3.284	3.284	0.000	99	692281	10.0	4.83	
$ 6 Phenol-d5	99	3.290	3.290	0.000	0	264157	10.0	2.39	
7 Phenol	94	3.301	3.301	0.000	96	330230	10.0	2.68	
9 Bis(2-chloroethyl)ether	93	3.348	3.354	-0.006	98	674929	10.0	7.64	
10 Benzonitrile	103	3.354	3.360	-0.006	99	1333992	NC	NC	
11 2-Chlorophenol	128	3.401	3.407	-0.006	96	639648	10.0	6.16	
12 n-Decane	43	3.454	3.460	-0.006	89	500169	10.0	6.09	
13 1,3-Dichlorobenzene	146	3.543	3.548	-0.005	95	636835	10.0	5.48	
* 14 1,4-Dichlorobenzene-d4	152	3.601	3.601	0.000	96	575871	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.619	3.619	0.000	95	652791	10.0	5.54	
17 1,2-Dichlorobenzene	146	3.766	3.772	-0.006	95	623766	10.0	5.65	
16 Benzyl alcohol	108	3.772	3.778	-0.006	94	249282	10.0	4.49	
19 2,2'-oxybis[1-chloropropan	45	3.895	3.895	0.000	93	791892	10.0	8.18	
18 2-Methylphenol	108	3.901	3.907	-0.006	92	483655	10.0	5.59	
20 N-Methylaniline	106	4.007	4.013	-0.006	95	904941	10.0	6.69	
21 Acetophenone	105	4.019	4.019	0.000	95	987668	10.0	7.11	
22 N-Nitrosodi-n-propylamine	70	4.031	4.031	0.000	89	488951	10.0	7.83	
24 4-Methylphenol	108	4.066	4.066	0.000	94	435632	10.0	4.86	
23 3 & 4 Methylphenol	108	4.066	4.066	0.000	97	468407	10.0	5.04	
25 Hexachloroethane	117	4.095	4.101	-0.006	93	233194	10.0	5.58	
$ 27 Nitrobenzene-d5	82	4.166	4.166	0.000	88	743061	10.0	7.41	
28 Nitrobenzene	123	4.184	4.190	-0.006	94	347365	10.0	7.36	
29 n,n'-Dimethylaniline	120	4.190	4.190	0.000	92	989968	10.0	6.52	
30 Isophorone	82	4.425	4.431	-0.006	99	1304977	10.0	7.77	
32 2-Nitrophenol	139	4.507	4.507	0.000	93	377443	10.0	7.13	
33 2,4-Dimethylphenol	122	4.590	4.590	0.000	91	530955	10.0	6.34	
34 Bis(2-chloroethoxy)methane	93	4.660	4.666	-0.006	99	791457	10.0	7.77	
35 Benzoic acid	122	4.707	4.748	-0.041	88	144424	10.0	3.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	4.760	4.766	-0.006	96	509472	10.0	6.34	
37 1,2,4-Trichlorobenzene	180	4.825	4.825	0.000	94	507115	10.0	5.78	
* 38 Naphthalene-d8	136	4.872	4.872	0.000	99	2272925	8.00	8.00	
39 Naphthalene	128	4.890	4.890	0.000	99	1900219	10.0	6.38	
40 4-Chloroaniline	127	4.972	4.972	0.000	97	724098	10.0	6.18	
41 Hexachlorobutadiene	225	5.031	5.031	0.000	91	230315	10.0	4.93	
43 4-Chloro-3-methylphenol	107	5.495	5.495	0.000	96	498579	10.0	6.32	
44 2-Methylnaphthalene	142	5.584	5.584	0.000	87	1276883	10.0	6.64	
45 1-Methylnaphthalene	142	5.678	5.678	0.000	93	1157398	10.0	6.46	
46 Hexachlorocyclopentadiene	237	5.748	5.748	0.000	94	170063	10.0	3.38	
47 1,2,4,5-Tetrachlorobenzene	216	5.754	5.754	0.000	94	467438	10.0	6.18	
48 2-tertbutyl-4-methylphenol	149	5.825	5.825	0.000	90	881428	10.0	7.26	
49 2,4,6-Trichlorophenol	196	5.884	5.884	0.000	87	333146	10.0	6.69	
50 2,4,5-Trichlorophenol	196	5.925	5.925	0.000	95	351997	10.0	6.65	
$ 51 2-Fluorobiphenyl	172	5.954	5.954	0.000	98	1328247	10.0	6.78	
52 1,1'-Biphenyl	154	6.048	6.048	0.000	95	1491742	10.0	6.89	
53 2-Chloronaphthalene	162	6.054	6.054	0.000	96	1115671	10.0	6.64	
54 Phenyl ether	170	6.154	6.154	0.000	85	777845	10.0	7.21	
55 2-Nitroaniline	65	6.178	6.184	-0.006	97	359517	10.0	6.93	
57 1,3-Dimethylnaphthalene	156	6.272	6.278	-0.006	91	952158	10.0	7.26	
60 Coumarin	146	6.372	6.372	0.000	77	432046	10.0	7.46	
59 Dimethyl phthalate	163	6.372	6.372	0.000	97	1277355	10.0	7.25	
61 2,6-Dinitrotoluene	165	6.425	6.425	0.000	94	292335	10.0	7.82	
62 Acenaphthylene	152	6.454	6.454	0.000	98	1794996	10.0	7.01	
63 3-Nitroaniline	138	6.584	6.584	0.000	96	299910	10.0	7.21	
* 64 Acenaphthene-d10	164	6.595	6.595	0.000	96	1051679	8.00	8.00	
66 Acenaphthene	154	6.625	6.625	0.000	94	1060245	10.0	6.88	
65 3,5-di-tert-butyl-4-hydrox	205	6.648	6.648	0.000	98	933289	10.0	7.02	
67 2,4-Dinitrophenol	184	6.695	6.695	0.000	93	302105	20.0	15.7	
70 Dibenzofuran	168	6.795	6.795	0.000	95	1558598	10.0	6.94	
68 4-Nitrophenol	65	6.813	6.825	0.006	51	166810	20.0	5.48	a
69 2,4-Dinitrotoluene	165	6.813	6.813	0.000	93	379901	10.0	7.84	
72 2,3,4,6-Tetrachlorophenol	232	6.936	6.936	0.000	88	246166	10.0	6.53	
73 Diethyl phthalate	149	7.054	7.060	-0.006	98	1341929	10.0	7.58	
75 Fluorene	166	7.125	7.125	0.000	95	1227901	10.0	7.12	
74 4-Chlorophenyl phenyl ethe	204	7.136	7.136	0.000	84	531788	10.0	6.68	
76 4-Nitroaniline	138	7.178	7.183	-0.005	88	307362	10.0	7.81	
77 4,6-Dinitro-2-methylphenol	198	7.213	7.213	0.000	81	403675	20.0	15.7	
78 N-Nitrosodiphenylamine	169	7.260	7.260	0.000	72	905602	10.0	7.48	
79 1,2-Diphenylhydrazine	77	7.289	7.289	0.000	99	1327443	10.0	8.05	
$ 80 2,4,6-Tribromophenol	330	7.366	7.366	0.000	89	127645	10.0	6.27	
81 4-Bromophenyl phenyl ether	248	7.607	7.607	0.000	88	274994	10.0	6.60	
82 Hexachlorobenzene	284	7.660	7.660	0.000	96	272878	10.0	6.26	
84 Pentachlorophenol	266	7.866	7.866	0.000	89	319845	20.0	13.4	
85 Pentachloronitrobenzene	237	7.872	7.872	0.000	81	128464	10.0	6.79	
86 n-Octadecane	57	7.972	7.978	-0.006	91	772222	10.0	8.71	
* 87 Phenanthrene-d10	188	8.025	8.025	0.000	99	1582511	8.00	8.00	
88 Phenanthrene	178	8.042	8.048	-0.006	97	1684302	10.0	7.44	
89 Anthracene	178	8.095	8.095	0.000	98	1722363	10.0	7.43	
90 Carbazole	167	8.266	8.266	0.000	96	1567931	10.0	7.86	
91 Di-n-butyl phthalate	149	8.630	8.630	0.000	99	2058863	10.0	8.77	
92 Fluoranthene	202	9.183	9.183	0.000	98	1584803	10.0	7.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.342	9.336	0.006	99	172198	10.0	1.38	
94 Pyrene	202	9.395	9.395	0.000	97	1593850	10.0	7.64	
$ 96 Terphenyl-d14	244	9.572	9.572	0.000	99	974958	10.0	6.82	
95 Bisphenol-A	213	9.654	9.654	0.077	92	282302	5.00	3.45	M
97 Butyl benzyl phthalate	149	10.060	10.060	0.000	97	817520	10.0	9.29	
99 Carbamazepine	193	10.148	10.148	0.000	92	733938	10.0	9.06	
100 3,3'-Dichlorobenzidine	252	10.572	10.571	0.001	98	487407	10.0	8.13	
101 Benzo[a]anthracene	228	10.572	10.577	-0.005	100	1354375	10.0	7.73	
* 102 Chrysene-d12	240	10.583	10.589	-0.006	98	1040898	8.00	8.00	
104 Chrysene	228	10.613	10.613	0.000	98	1358925	10.0	8.56	
103 Bis(2-ethylhexyl) phthalat	149	10.660	10.666	-0.006	86	1144530	10.0	9.90	
105 Di-n-octyl phthalate	149	11.395	11.395	0.000	96	1965015	10.0	7.62	
106 Benzo[b]fluoranthene	252	11.783	11.783	0.000	98	1439568	10.0	7.62	
107 Benzo[k]fluoranthene	252	11.813	11.818	-0.005	99	1406342	10.0	7.28	
108 Benzo[a]pyrene	252	12.166	12.171	-0.005	96	1259534	10.0	7.24	
* 109 Perylene-d12	264	12.236	12.242	-0.006	97	1248208	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.548	13.548	0.000	97	1517750	10.0	7.15	M
111 Dibenz(a,h)anthracene	278	13.577	13.577	0.000	96	1505468	10.0	7.28	
112 Benzo[g,h,i]perylene	276	13.865	13.865	0.000	96	1569714	10.0	7.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

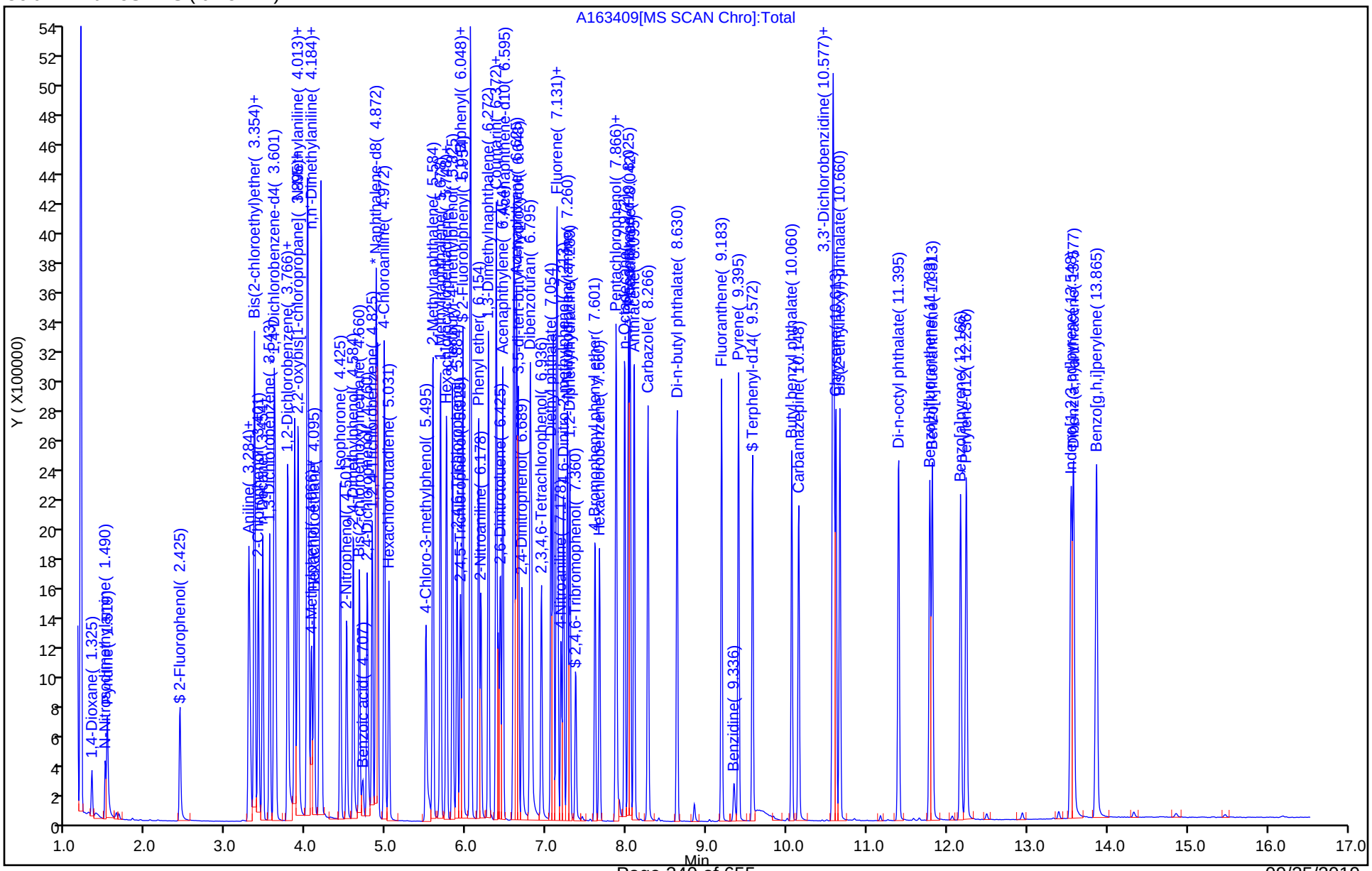
SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 14:30:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190827-96727.b\A163409.D				
Injection Date:	27-Aug-2019 20:20:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LCSD 460-635227/3-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 460-635378/3-A
Matrix: Solid
Lab File ID: X272195.d
Analysis Method: 8270D
Date Collected:
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0000(g)
Date Analyzed: 08/28/2019 06:01
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.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	3.45		0.33	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	88		25-113
1718-51-0	Terphenyl-d14 (Surr)	96		27-123
321-60-8	2-Fluorobiphenyl	90		29-107

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272195.d
Lims ID: LCSD 460-635378/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Aug-2019 06:01:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0096743-006
Operator ID: Instrument ID: CBNAMS5

Method: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\8270_5R.m
Limit Group: SV 8270D ICAL
Last Update: 28-Aug-2019 11:11:35 Calib Date: 24-Aug-2019 14:49:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS5\20190824-96587.b\X272096.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: manlangitf Date: 28-Aug-2019 06:28:40

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	1.781	1.758	0.023	93	8262	50.0	30.0	
2 N-Nitrosodimethylamine	74	2.005	1.987	0.018	87	18375	50.0	40.9	
3 Pyridine	79	2.040	2.016	0.024	93	53236	100.0	77.6	
$ 4 2-Fluorophenol	112	3.146	3.134	0.012	96	35744	50.0	44.4	
$ 6 Phenol-d5	99	4.034	4.028	0.006	97	42627	50.0	44.7	
7 Phenol	94	4.046	4.046	0.000	98	47543	50.0	47.2	
8 Aniline	93	4.069	4.069	0.000	95	50956	50.0	42.8	
9 Bis(2-chloroethyl)ether	93	4.128	4.128	0.000	92	32708	50.0	45.4	
10 Benzonitrile	103	4.146	4.146	0.000	96	66196	NC	NC	
11 2-Chlorophenol	128	4.187	4.187	0.000	92	39522	50.0	44.4	
12 n-Decane	43	4.240	4.234	0.006	90	29347	50.0	37.2	
13 1,3-Dichlorobenzene	146	4.334	4.334	0.000	97	40614	50.0	40.5	
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.387	0.000	94	25993	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.404	4.399	0.005	95	41651	50.0	41.1	
16 Benzyl alcohol	108	4.510	4.510	0.000	92	22903	50.0	42.9	
17 1,2-Dichlorobenzene	146	4.552	4.546	0.006	92	39791	50.0	41.6	
18 2-Methylphenol	108	4.622	4.622	0.000	85	32728	50.0	44.8	
19 2,2'-oxybis[1-chloropropan	45	4.646	4.646	0.000	93	43553	50.0	43.7	a
20 N-Methylaniline	106	4.757	4.757	0.000	78	50391	50.0	43.4	
24 4-Methylphenol	108	4.769	4.769	0.000	77	36896	50.0	45.5	
23 3 & 4 Methylphenol	108	4.769	4.769	0.000	75	36896	50.0	45.5	
21 Acetophenone	105	4.769	4.769	0.000	85	47125	50.0	42.7	
22 N-Nitrosodi-n-propylamine	70	4.769	4.769	0.000	67	23505	50.0	45.8	
25 Hexachloroethane	117	4.869	4.869	0.000	90	14795	50.0	43.3	
$ 26 Nitrobenzene-d5	82	4.910	4.910	0.000	86	34159	50.0	44.2	
28 Nitrobenzene	123	4.928	4.928	0.000	93	17461	50.0	45.9	
27 n,n'-Dimethylaniline	120	4.934	4.934	0.000	88	52746	50.0	41.9	
31 Isophorone	82	5.157	5.157	0.000	97	60277	50.0	44.8	
32 2-Nitrophenol	139	5.234	5.234	0.000	96	20844	50.0	45.6	
33 2,4-Dimethylphenol	122	5.275	5.275	0.000	91	31540	50.0	44.0	
34 Bis(2-chloroethoxy)methane	93	5.363	5.363	0.000	99	39816	50.0	45.3	
35 Benzoic acid	122	5.381	5.387	-0.006	83	20583	50.0	38.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.463	5.463	0.000	96	33565	50.0	46.4	
37 1,2,4-Trichlorobenzene	180	5.546	5.546	0.000	94	36621	50.0	44.0	
* 38 Naphthalene-d8	136	5.593	5.593	0.000	97	94642	40.0	40.0	
39 Naphthalene	128	5.616	5.616	0.000	99	105032	50.0	43.7	
40 4-Chloroaniline	127	5.663	5.669	-0.006	85	38017	50.0	37.5	
41 Hexachlorobutadiene	225	5.740	5.745	-0.005	97	22372	50.0	43.0	
43 4-Chloro-3-methylphenol	107	6.128	6.128	0.000	89	29020	50.0	45.6	
44 2-Methylnaphthalene	142	6.269	6.269	0.000	83	72433	50.0	44.1	
45 1-Methylnaphthalene	142	6.363	6.363	0.000	91	66446	50.0	43.1	
46 Hexachlorocyclopentadiene	237	6.428	6.428	0.000	87	28627	50.0	47.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.434	6.434	0.000	98	38691	50.0	45.0	
48 2-tertbutyl-4-methylphenol	149	6.463	6.463	0.000	72	47998	50.0	45.5	
49 2,4,6-Trichlorophenol	196	6.540	6.540	0.000	93	26881	50.0	47.1	
50 2,4,5-Trichlorophenol	196	6.569	6.569	0.000	95	26696	50.0	44.4	
$ 51 2-Fluorobiphenyl	172	6.616	6.622	-0.006	94	84740	50.0	45.1	
52 1,1'-Biphenyl	154	6.710	6.710	0.000	95	88076	50.0	46.0	
53 2-Chloronaphthalene	162	6.728	6.728	0.000	97	69317	50.0	46.2	
54 Phenyl ether	170	6.810	6.810	0.000	81	47853	50.0	47.7	
56 2-Nitroaniline	65	6.822	6.828	-0.006	95	19940	50.0	46.9	
57 1,3-Dimethylnaphthalene	156	6.934	6.940	-0.006	89	55550	50.0	47.1	
58 Dimethyl phthalate	163	7.004	7.004	0.000	99	77003	50.0	45.0	
59 Coumarin	146	7.016	7.022	-0.006	77	25066	50.0	43.3	
60 2,6-Dinitrotoluene	165	7.051	7.057	-0.006	1	17498	50.0	47.3	
61 Acenaphthylene	152	7.116	7.122	-0.006	96	102438	50.0	45.2	
64 3-Nitroaniline	138	7.210	7.210	0.000	96	15723	50.0	38.0	
* 65 Acenaphthene-d10	164	7.251	7.251	0.000	89	48860	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.281	7.281	0.000	82	65756	50.0	48.6	
67 Acenaphthene	154	7.281	7.287	-0.006	94	70686	50.0	46.5	
68 2,4-Dinitrophenol	184	7.310	7.310	0.000	54	20816	100.0	77.8	a
69 4-Nitrophenol	65	7.375	7.381	-0.006	89	23174	100.0	89.7	
70 2,4-Dinitrotoluene	165	7.434	7.434	0.000	76	23422	50.0	46.5	
71 Dibenzofuran	168	7.445	7.445	0.000	92	94808	50.0	44.7	
72 2,3,4,6-Tetrachlorophenol	232	7.563	7.563	0.000	95	23063	50.0	43.8	
73 Diethyl phthalate	149	7.669	7.669	0.000	98	74626	50.0	43.3	
75 Fluorene	166	7.763	7.769	-0.006	82	73648	50.0	44.2	
74 4-Chlorophenyl phenyl ethe	204	7.769	7.769	0.000	74	38159	50.0	44.1	
76 4-Nitroaniline	138	7.787	7.792	-0.005	87	18120	50.0	41.4	
77 4,6-Dinitro-2-methylphenol	198	7.816	7.822	-0.006	76	29436	100.0	99.1	
78 N-Nitrosodiphenylamine	169	7.881	7.881	0.000	97	54975	50.0	47.9	
79 1,2-Diphenylhydrazine	77	7.916	7.916	0.000	97	62536	50.0	49.2	
$ 80 2,4,6-Tribromophenol	330	7.992	7.998	-0.006	88	20059	50.0	42.8	
81 4-Bromophenyl phenyl ether	248	8.222	8.228	-0.006	94	26292	50.0	46.2	
83 Hexachlorobenzene	284	8.292	8.292	0.000	92	33610	50.0	47.2	
85 Pentachlorophenol	266	8.475	8.475	0.000	88	38839	100.0	94.8	
86 Pentachloronitrobenzene	237	8.487	8.492	-0.005	89	11932	50.0	48.7	
87 n-Octadecane	57	8.557	8.563	-0.006	91	39172	50.0	50.7	
* 88 Phenanthrene-d10	188	8.645	8.645	0.000	98	84068	40.0	40.0	
89 Phenanthrene	178	8.669	8.669	0.000	97	108980	50.0	46.5	
90 Anthracene	178	8.716	8.716	0.000	97	113909	50.0	47.6	
91 Carbazole	167	8.863	8.869	-0.006	82	96533	50.0	46.4	
92 Di-n-butyl phthalate	149	9.204	9.204	0.000	99	119029	50.0	46.8	
93 Fluoranthene	202	9.786	9.786	0.000	98	120702	50.0	45.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Benzidine	184	9.910	9.916	-0.006	98	65370	50.0	39.9	a
95 Pyrene	202	9.998	9.998	0.000	97	119505	50.0	52.1	
82 Bisphenol-A	213	10.045	10.051	-0.006	92	28268	25.0	25.7	
$ 96 Terphenyl-d14	244	10.151	10.151	0.000	99	92014	50.0	48.1	
97 Butyl benzyl phthalate	149	10.645	10.651	-0.006	93	47399	50.0	52.7	
99 Carbamazepine	193	10.751	10.757	-0.006	91	49066	50.0	56.8	
100 3,3'-Dichlorobenzidine	252	11.216	11.222	-0.006	97	26355	50.0	28.2	
101 Benzo[a]anthracene	228	11.239	11.245	-0.006	98	109951	50.0	48.1	
* 102 Chrysene-d12	240	11.251	11.257	-0.006	97	73031	40.0	40.0	
103 Chrysene	228	11.280	11.286	-0.006	95	108375	50.0	52.4	
104 Bis(2-ethylhexyl) phthalat	149	11.298	11.304	-0.006	80	68236	50.0	51.8	
105 Di-n-octyl phthalate	149	12.110	12.122	-0.012	92	117656	50.0	50.0	
106 Benzo[b]fluoranthene	252	12.586	12.598	-0.012	98	119799	50.0	45.7	
107 Benzo[k]fluoranthene	252	12.622	12.633	-0.011	99	129224	50.0	48.6	
108 Benzo[a]pyrene	252	13.027	13.039	-0.012	97	111165	50.0	45.5	
* 109 Perylene-d12	264	13.110	13.121	-0.011	99	91092	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.639	14.657	-0.018	98	130596	50.0	47.4	
111 Dibenz(a,h)anthracene	278	14.680	14.698	-0.018	97	129326	50.0	48.7	
112 Benzo[g,h,i]perylene	276	15.063	15.086	-0.023	92	130517	50.0	46.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:11:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS5\20190828-96743.b\X272195.d

Injection Date: 28-Aug-2019 06:01:30 Instrument ID: CBNAMS5 Operator ID:

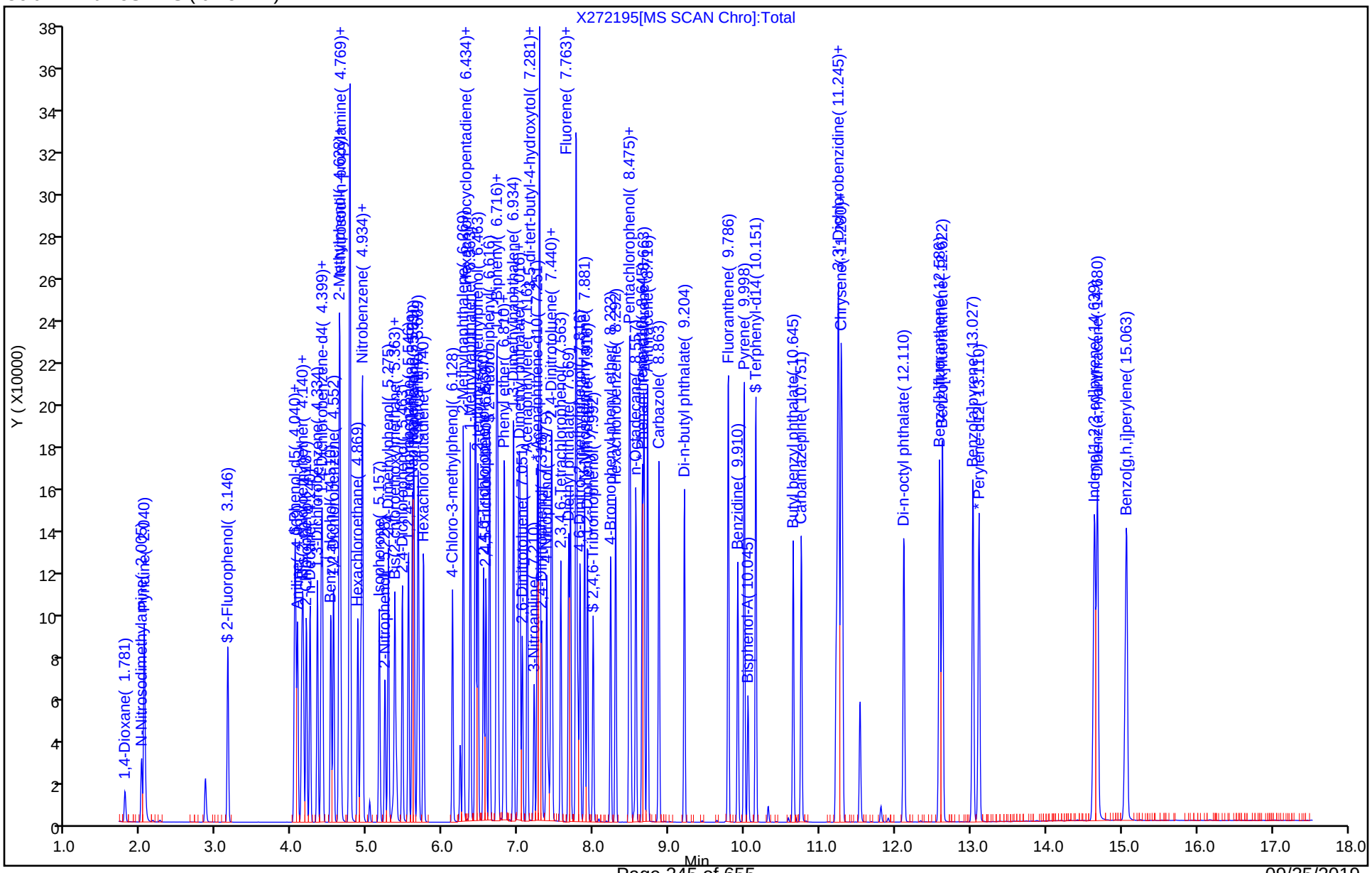
Lims ID: LCSD 460-635378/3-A Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270_5R Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD04-08272019 MS
Lab Sample ID: 460-189937-4 MS
Matrix: Solid
Lab File ID: X272204.d
Analysis Method: 8270D
Date Collected: 08/27/2019 13:05
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0169(g)
Date Analyzed: 08/28/2019 09:30
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	3.63		0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	82		25-113
1718-51-0	Terphenyl-d14 (Surr)	96		27-123
321-60-8	2-Fluorobiphenyl	85		29-107

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD04-08272019 MSD
Lab Sample ID: 460-189937-4 MSD
Matrix: Solid
Lab File ID: X272205.d
Analysis Method: 8270D
Date Collected: 08/27/2019 13:05
Extract. Method: 3546
Date Extracted: 08/27/2019 20:47
Sample wt/vol: 15.0124(g)
Date Analyzed: 08/28/2019 09:53
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635421
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	3.74		0.34	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	92		25-113
1718-51-0	Terphenyl-d14 (Surr)	101		27-123
321-60-8	2-Fluorobiphenyl	92		29-107

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 04/19/2019 13:15

Analysis Batch Number: 603883 End Date: 04/19/2019 19:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-603883/1		04/19/2019 13:15	1	A1600891.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-603883/2		04/19/2019 13:27	1	A1600892.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-603883/3 IC		04/19/2019 13:57	1	A1600893.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-603883/4 IC		04/19/2019 14:18	1	A1600894.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-603883/5 IC		04/19/2019 14:39	1	A1600895.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-603883/6 IC		04/19/2019 15:00	1	A1600896.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-603883/7 IC		04/19/2019 15:21	1	A1600897.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-603883/8 IC		04/19/2019 15:42	1	A1600898.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-603883/9 IC		04/19/2019 16:03	1	A1600899.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-603883/10 IC		04/19/2019 16:24	1		Rtxi-5Sil MS 0.25(mm)
STD24 460-603883/11 IC		04/19/2019 16:45	1		Rtxi-5Sil MS 0.25(mm)
STD16 460-603883/12 IC		04/19/2019 17:06	1		Rtxi-5Sil MS 0.25(mm)
STD4 460-603883/13 IC		04/19/2019 17:27	1		Rtxi-5Sil MS 0.25(mm)
STD2 460-603883/14 IC		04/19/2019 17:48	1		Rtxi-5Sil MS 0.25(mm)
STD1 460-603883/15 IC		04/19/2019 18:10	1		Rtxi-5Sil MS 0.25(mm)
STD02 460-603883/16 IC		04/19/2019 18:31	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-603883/17		04/19/2019 18:52	1	A1600907.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-603883/18		04/19/2019 19:13	1	A1600908.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 08/27/2019 17:50

Analysis Batch Number: 635316 End Date: 08/28/2019 03:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-635316/1		08/27/2019 17:50	1	A163403.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-635316/2		08/27/2019 18:11	1	A163404.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-635316/3		08/27/2019 18:45	1		Rtxi-5Sil MS 0.25(mm)
MB 460-635227/1-A		08/27/2019 19:36	1	A163407.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-635227/2-A		08/27/2019 19:56	1	A163408.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-635227/3-A		08/27/2019 20:20	1	A163409.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/27/2019 20:41	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/27/2019 21:02	1		Rtxi-5Sil MS 0.25(mm)
460-189937-8		08/27/2019 21:37	1	A163412.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/27/2019 21:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/27/2019 22:19	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/27/2019 22:40	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/27/2019 23:01	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 02:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 03:12	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 03:33	5		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CBNAMS5 Start Date: 08/24/2019 07:46

Analysis Batch Number: 634654 End Date: 08/24/2019 15:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-634654/1		08/24/2019 07:46	1	X272079.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-634654/2		08/24/2019 08:10	1	X272080.d	Rtxi-5Sil MS 0.25(mm)
STD120 460-634654/3 IC		08/24/2019 09:01	1	X272081.d	Rtxi-5Sil MS 0.25(mm)
STD80 460-634654/4 IC		08/24/2019 09:24	1	X272082.d	Rtxi-5Sil MS 0.25(mm)
STD20 460-634654/5 IC		08/24/2019 09:47	1	X272083.d	Rtxi-5Sil MS 0.25(mm)
STD10 460-634654/6 IC		08/24/2019 10:11	1	X272084.d	Rtxi-5Sil MS 0.25(mm)
STD5 460-634654/7 IC		08/24/2019 10:34	1	X272085.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-634654/8 IC		08/24/2019 10:57	1	X272086.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-634654/9 IC		08/24/2019 11:21	1	X272087.d	Rtxi-5Sil MS 0.25(mm)
STD05 460-634654/10 IC		08/24/2019 11:44	1	X272088.d	Rtxi-5Sil MS 0.25(mm)
ICV 460-634654/11		08/24/2019 12:07	1	X272089.d	Rtxi-5Sil MS 0.25(mm)
STD50 460-634654/12 IC		08/24/2019 12:30	1		Rtxi-5Sil MS 0.25(mm)
STD120 460-634654/13 IC		08/24/2019 12:53	1		Rtxi-5Sil MS 0.25(mm)
STD80 460-634654/14 IC		08/24/2019 13:16	1		Rtxi-5Sil MS 0.25(mm)
STD20 460-634654/15 IC		08/24/2019 13:40	1		Rtxi-5Sil MS 0.25(mm)
STD10 460-634654/16 IC		08/24/2019 14:03	1		Rtxi-5Sil MS 0.25(mm)
STD5 460-634654/17 IC		08/24/2019 14:26	1		Rtxi-5Sil MS 0.25(mm)
STD2 460-634654/18 IC		08/24/2019 14:49	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-634654/19		08/24/2019 15:12	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CBNAMS5 Start Date: 08/28/2019 04:09

Analysis Batch Number: 635421 End Date: 08/28/2019 12:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-635421/1		08/28/2019 04:09	1	X272190.d	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-635421/2		08/28/2019 04:22	1	X272191.d	Rtxi-5Sil MS 0.25(mm)
CCV 460-635421/3		08/28/2019 04:45	1		Rtxi-5Sil MS 0.25(mm)
MB 460-635378/1-A		08/28/2019 05:15	1	X272193.d	Rtxi-5Sil MS 0.25(mm)
LCS 460-635378/2-A		08/28/2019 05:38	1	X272194.d	Rtxi-5Sil MS 0.25(mm)
LCSD 460-635378/3-A		08/28/2019 06:01	1	X272195.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 06:25	1		Rtxi-5Sil MS 0.25(mm)
460-189937-4		08/28/2019 06:48	1	X272197.d	Rtxi-5Sil MS 0.25(mm)
460-189937-1		08/28/2019 07:11	1	X272198.d	Rtxi-5Sil MS 0.25(mm)
460-189937-2		08/28/2019 07:34	1	X272199.d	Rtxi-5Sil MS 0.25(mm)
460-189937-3		08/28/2019 07:57	1	X272200.d	Rtxi-5Sil MS 0.25(mm)
460-189937-5		08/28/2019 08:20	1	X272201.d	Rtxi-5Sil MS 0.25(mm)
460-189937-6		08/28/2019 08:44	1	X272202.d	Rtxi-5Sil MS 0.25(mm)
460-189937-7		08/28/2019 09:07	1	X272203.d	Rtxi-5Sil MS 0.25(mm)
460-189937-4 MS		08/28/2019 09:30	1	X272204.d	Rtxi-5Sil MS 0.25(mm)
460-189937-4 MSD		08/28/2019 09:53	1	X272205.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 10:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 10:40	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 11:03	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 11:26	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		08/28/2019 12:24	2		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Batch Number: 635227 Batch Start Date: 08/27/19 10:37 Batch Analyst: Babu, Dhanalakshmi X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_BNA SPIK 00030
MB 460-635227/1		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-635227/2		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
LCSD 460-635227/3		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
460-189937-A-8	WP-FB-08272019	3510C, 8270D	T	250 mL	2 mL	5 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNASurroga 00015					
MB 460-635227/1		3510C, 8270D		200 uL					
LCS 460-635227/2		3510C, 8270D		200 uL					
LCSD 460-635227/3		3510C, 8270D		200 uL					
460-189937-A-8	WP-FB-08272019	3510C, 8270D	T	200 uL					

Batch Notes	
Acid Used for pH Adjustment ID	186983
Base Used to Adjust pH ID	OP2913
Batch Comment	3510C_LVI
Concentration 1 Corrected Temperature	37 Degrees C
Analyst ID - Extraction	dB
Method/Fraction	3510C_LVI
Prep Solvent ID	MeCL2 234771
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	dB
Sufficient Volume for Batch QC	Yes
Concentration 1 Uncorrected Temperature	37 Degrees C

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Batch Number: 635378 Batch Start Date: 08/27/19 20:45 Batch Analyst: Barthelus, Guyrlande R

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00009	OP_BNA SPIK 00030	OP_BNASurroga 00015	
MB 460-635378/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-635378/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
LCSD 460-635378/3		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
460-189937-A-4 MS	WP-PAD04-08272019	3546, 8270D	T	15.0169 g	1 mL	50 uL	500 uL	500 uL	
460-189937-A-4 MSD	WP-PAD04-08272019	3546, 8270D	T	15.0124 g	1 mL	50 uL	500 uL	500 uL	
460-189937-A-4	WP-PAD04-08272019	3546, 8270D	T	15.0136 g	1 mL			500 uL	
460-189937-A-1	WP-PAD01-08272019	3546, 8270D	T	15.0187 g	1 mL			500 uL	
460-189937-A-2	WP-PAD02-08272019	3546, 8270D	T	15.0126 g	1 mL			500 uL	
460-189937-A-3	WP-PAD03-08272019	3546, 8270D	T	15.0128 g	1 mL			500 uL	
460-189937-A-5	WP-PAD05-08272019	3546, 8270D	T	15.0164 g	1 mL			500 uL	
460-189937-A-6	WP-PAD06-08272019	3546, 8270D	T	15.0195 g	1 mL			500 uL	
460-189937-A-7	WP-PAD07-08272019	3546, 8270D	T	15.0188 g	1 mL			500 uL	

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Batch Number: 635378 Batch Start Date: 08/27/19 20:45 Batch Analyst: Barthelus, Guyrlande R

Batch Method: 3546 Batch End Date:

Batch Notes	
Balance ID	12
Batch Comment	BNA Soil
Blank Matrix ID	177561
Concentration 1 Corrected Temperature	35 Degrees C
Equipment ID - Concentration 1	31869
Analyst ID - Extraction	GB
Method/Fraction	3546 / 8270D
Microwave Oven ID	MD 5095/1952
Na2SO4 ID	183474
Prep Solvent ID	Methylene Chloride 234771; Acetone 216864
Analyst ID - Spike Analyst	GB
Concentration 1 Uncorrected Temperature	35 Degrees C

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.

8082A

Polychlorinated Biphenyls (PCBs) by Gas Chromatography

FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCBP1 #	DCBP2 #
WP-PAD01-08272019	460-189937-1	104	98
WP-PAD02-08272019	460-189937-2	112	102
WP-PAD03-08272019	460-189937-3	108	101
WP-PAD04-08272019	460-189937-4	126	119
WP-PAD05-08272019	460-189937-5	105	96
WP-PAD06-08272019	460-189937-6	101	98
WP-PAD07-08272019	460-189937-7	108	109
	MB 460-635383/1-A	94	94
	LCS 460-635383/2-A	104	93
	LCSD 460-635383/3-A	108	101
WP-PAD01-08272019 MS	460-189937-1 MS	109	90
WP-PAD01-08272019 MSD	460-189937-1 MSD	111	101

	QC LIMITS
DCBP = DCB Decachlorobiphenyl	53-150

Column to be used to flag recovery values

FORM II 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCBP1 #	DCBP2 #
WP-FB-08272019	460-189937-8	61	59
	MB 460-635331/1-A	108	96
	LCS 460-635331/2-A	109	99
	LCSD 460-635331/3-A	109	100

	QC LIMITS
DCBP = DCB Decachlorobiphenyl	10-150

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7R007579.D

Lab ID: LCS 460-635331/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	4.00	3.59	90	78-150	
Aroclor 1016	4.00	4.32	108	78-150	
Aroclor 1260	4.00	4.73	118	80-150	
Aroclor 1260	4.00	4.93	123	80-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: T1563445.D

Lab ID: LCS 460-635383/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	0.333	0.282	85	76-146	
Aroclor 1016	0.333	0.337	101	76-146	
Aroclor 1260	0.333	0.321	96	74-148	
Aroclor 1260	0.333	0.398	119	74-148	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7R007580.D

Lab ID: LCSD 460-635331/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	4.00	3.58	90	0	30	78-150	
Aroclor 1016	4.00	4.17	104	3	30	78-150	
Aroclor 1260	4.00	4.65	116	2	30	80-150	
Aroclor 1260	4.00	4.74	118	4	30	80-150	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: T1563447.D

Lab ID: LCSD 460-635383/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	0.333	0.309	93	9	30	76-146	
Aroclor 1016	0.333	0.352	106	4	30	76-146	
Aroclor 1260	0.333	0.356	107	10	30	74-148	
Aroclor 1260	0.333	0.407	122	2	30	74-148	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: T1563455.D

Lab ID: 460-189937-1 MS Client ID: WP-PAD01-08272019 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Aroclor 1016	0.346	0.0092 U	0.312	90	76-146	
Aroclor 1016	0.346	0.0092 U	0.349	101	76-146	
Aroclor 1260	0.346	0.0095 U	0.324	94	74-148	
Aroclor 1260	0.346	0.0095 U	0.416	120	74-148	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: T1563456.D

Lab ID: 460-189937-1 MSD Client ID: WP-PAD01-08272019 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	0.346	0.318	92	2	30	76-146	
Aroclor 1016	0.346	0.374	108	7	30	76-146	
Aroclor 1260	0.346	0.335	97	4	30	74-148	
Aroclor 1260	0.346	0.424	122	2	30	74-148	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: MB 460-635331/1-A

Matrix: Water Date Extracted: 08/27/2019 17:11

Lab File ID:(1) 7R007578.D Lab File ID:(2) 7R007578.D

Date Analyzed:(1) 08/28/2019 08:21 Date Analyzed:(2) 08/28/2019 08:21

Instrument ID:(1) CPESTGC7 Instrument ID:(2) CPESTGC7

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-635331/2-A	08/28/2019 08:45	08/28/2019 08:45
	LCSD 460-635331/3-A	08/28/2019 09:08	08/28/2019 09:08
WP-FB-08272019	460-189937-8	08/28/2019 09:55	08/28/2019 09:55

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: MB 460-635383/1-A

Matrix: Solid Date Extracted: 08/27/2019 21:39

Lab File ID:(1) T1563446.D Lab File ID:(2) T1563446.D

Date Analyzed:(1) 08/28/2019 08:11 Date Analyzed:(2) 08/28/2019 08:11

Instrument ID:(1) CPESTGC11 Instrument ID:(2) CPESTGC11

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-635383/2-A	08/28/2019 07:52	08/28/2019 07:52
	LCSD 460-635383/3-A	08/28/2019 08:28	08/28/2019 08:28
WP-PAD01-08272019	460-189937-1	08/28/2019 08:45	08/28/2019 08:45
WP-PAD02-08272019	460-189937-2	08/28/2019 09:02	08/28/2019 09:02
WP-PAD03-08272019	460-189937-3	08/28/2019 09:20	08/28/2019 09:20
WP-PAD04-08272019	460-189937-4	08/28/2019 09:37	08/28/2019 09:37
WP-PAD05-08272019	460-189937-5	08/28/2019 09:54	08/28/2019 09:54
WP-PAD06-08272019	460-189937-6	08/28/2019 10:31	08/28/2019 10:31
WP-PAD07-08272019	460-189937-7	08/28/2019 10:48	08/28/2019 10:48
WP-PAD01-08272019 MS	460-189937-1 MS	08/28/2019 11:05	08/28/2019 11:05
WP-PAD01-08272019 MSD	460-189937-1 MSD	08/28/2019 11:23	08/28/2019 11:23

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: CCVIS 460-635460/2 Date Analyzed: 08/28/2019 06:43

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): T1563441.D Heated Purge: (Y/N) N

Calibration ID: 75356

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		18670928	1.07				
UPPER LIMIT		37341856	1.14				
LOWER LIMIT		9335464	1.00				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-635383/2-A		24111901	1.07				
MB 460-635383/1-A		23664152	1.07				
LCSD 460-635383/3-A		22256493	1.07				
460-189937-1	WP-PAD01-08272019	22882921	1.07				
460-189937-2	WP-PAD02-08272019	23855209	1.07				
460-189937-3	WP-PAD03-08272019	23232454	1.07				
460-189937-4	WP-PAD04-08272019	22219079	1.07				
460-189937-5	WP-PAD05-08272019	23643929	1.07				
460-189937-6	WP-PAD06-08272019	22866287	1.07				
460-189937-7	WP-PAD07-08272019	20830478	1.07				
460-189937-1 MS	WP-PAD01-08272019 MS	24645933	1.07				
460-189937-1 MSD	WP-PAD01-08272019 MSD	23684927	1.07				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: CCVIS 460-635460/2 Date Analyzed: 08/28/2019 06:43

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): T1563441.D Heated Purge: (Y/N) N

Calibration ID: 75357

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		17635752	1.07				
UPPER LIMIT		35271504	1.14				
LOWER LIMIT		8817876	1.00				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-635383/2-A		18825091	1.07				
MB 460-635383/1-A		20564381	1.07				
LCSD 460-635383/3-A		18230049	1.07				
460-189937-1	WP-PAD01-08272019	18423475	1.07				
460-189937-2	WP-PAD02-08272019	18726804	1.07				
460-189937-3	WP-PAD03-08272019	18718559	1.07				
460-189937-4	WP-PAD04-08272019	17958687	1.07				
460-189937-5	WP-PAD05-08272019	18600569	1.07				
460-189937-6	WP-PAD06-08272019	18555082	1.06				
460-189937-7	WP-PAD07-08272019	18167641	1.07				
460-189937-1 MS	WP-PAD01-08272019 MS	17990933	1.07				
460-189937-1 MSD	WP-PAD01-08272019 MSD	18589374	1.07				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: CCVIS 460-635463/2 Date Analyzed: 08/28/2019 06:48

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 7R007574.D Heated Purge: (Y/N) N

Calibration ID: 75629

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		66033	3.40				
UPPER LIMIT		132066	3.47				
LOWER LIMIT		33017	3.33				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-635331/1-A		55386	3.40				
LCS 460-635331/2-A		58702	3.40				
LCSD 460-635331/3-A		60201	3.40				
460-189937-8	WP-FB-08272019	60028	3.40				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Sample No.: CCVIS 460-635463/2 Date Analyzed: 08/28/2019 06:48

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): 7R007574.D Heated Purge: (Y/N) N

Calibration ID: 75630

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		36999	2.92				
UPPER LIMIT		73998	2.99				
LOWER LIMIT		18500	2.85				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-635331/1-A		27993	2.92				
LCS 460-635331/2-A		29681	2.92				
LCSD 460-635331/3-A		30725	2.92				
460-189937-8	WP-FB-08272019	33616	2.92				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: WP-PAD01-08272019 MS Lab Sample ID: 460-189937-1 MS

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 08/28/2019 11:05 Date Analyzed (2): 08/28/2019 11:05

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	1.85	1.82	1.88	0.337	0.349	11.2
		2	2.16	2.13	2.19	0.370		
		3	2.35	2.32	2.38	0.357		
		4	2.59	2.57	2.63	0.323		
		5	2.72	2.69	2.75	0.357		
		6	2.79	2.76	2.82	0.363		
		7	3.14	3.11	3.17	0.365		
		8	3.55	3.52	3.58	0.318		
	2	1	2.12	2.10	2.16	0.411	0.312	
		2	2.52	2.49	2.55	0.301		
		3	2.99	2.96	3.02	0.292		
		4	3.13	3.10	3.16	0.320		
		5	3.24	3.21	3.27	0.295		
		6	3.64	3.62	3.68	0.296		
		7	3.78	3.75	3.81	0.304		
		8	4.12	4.09	4.15	0.274		
Aroclor 1260	1	1	4.47	4.44	4.50	0.374	0.416	25.0
		2	5.09	5.06	5.12	0.330		
		3	5.23	5.21	5.27	0.429		
		4	5.52	5.49	5.55	0.424		
		5	5.90	5.87	5.93	0.449		
		6	6.28	6.25	6.31	0.375		
		7	6.41	6.39	6.45	0.453		
		8	7.27	7.24	7.30	0.495		
	2	1	4.91	4.88	4.94	0.314	0.324	
		2	5.09	5.07	5.13	0.271		
		3	5.35	5.32	5.38	0.264		
		4	5.90	5.88	5.94	0.344		
		5	6.31	6.29	6.35	0.342		
		6	6.72	6.70	6.76	0.328		
		7	7.32	7.30	7.36	0.326		
		8	8.47	8.45	8.51	0.401		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: WP-PAD01-08272019 MSD Lab Sample ID: 460-189937-1 MSD

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 08/28/2019 11:23 Date Analyzed (2): 08/28/2019 11:23

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	1.85	1.82	1.88	0.389	0.374	16.1
		2	2.16	2.13	2.19	0.403		
		3	2.35	2.32	2.38	0.387		
		4	2.60	2.57	2.63	0.340		
		5	2.72	2.69	2.75	0.388		
		6	2.79	2.76	2.82	0.392		
		7	3.14	3.11	3.17	0.377		
		8	3.55	3.52	3.58	0.317		
	2	1	2.12	2.10	2.16	0.377	0.318	
		2	2.52	2.49	2.55	0.314		
		3	2.99	2.96	3.02	0.299		
		4	3.13	3.10	3.16	0.295		
		5	3.24	3.21	3.27	0.354		
		6	3.65	3.62	3.68	0.308		
		7	3.78	3.75	3.81	0.311		
		8	4.12	4.09	4.15	0.289		
Aroclor 1260	1	1	4.47	4.44	4.50	0.380	0.424	23.3
		2	5.09	5.06	5.12	0.331		
		3	5.24	5.21	5.27	0.424		
		4	5.52	5.49	5.55	0.416		
		5	5.90	5.87	5.93	0.460		
		6	6.28	6.25	6.31	0.390		
		7	6.41	6.39	6.45	0.468		
		8	7.27	7.24	7.30	0.520		
	2	1	4.91	4.88	4.94	0.354	0.335	
		2	5.09	5.07	5.13	0.305		
		3	5.35	5.32	5.38	0.305		
		4	5.91	5.88	5.94	0.387		
		5	6.31	6.29	6.35	0.382		
		6	6.72	6.70	6.76	0.370		
		7	7.32	7.30	7.36	0.371		
		8	8.47	8.45	8.51	0.205		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-635331/2-A

Instrument ID (1): CPESTGC7 Instrument ID (2): CPESTGC7

Date Analyzed (1): 08/28/2019 08:45 Date Analyzed (2): 08/28/2019 08:45

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	5.04	4.97	5.11	4.22	4.32	18.5
		2	5.69	5.62	5.76	4.39		
		3	6.03	5.96	6.10	4.53		
		4	6.50	6.43	6.57	4.49		
		5	6.73	6.66	6.80	4.49		
		6	6.83	6.76	6.90	4.54		
		7	7.43	7.36	7.50	4.51		
		8	8.07	8.00	8.14	3.40		
	2	1	6.24	6.17	6.31	3.60	3.59	
		2	7.02	6.95	7.09	3.48		
		3	7.84	7.77	7.91	3.82		
		4	8.08	8.01	8.15	3.70		
		5	8.26	8.19	8.33	3.79		
		6	9.12	9.05	9.19	3.44		
		7	9.63	9.56	9.70	2.88		
		8	9.97	9.90	10.04	4.00		
Aroclor 1260	1	1	9.46	9.39	9.53	4.11	4.93	4.2
		2	10.37	10.30	10.44	3.81		
		3	10.59	10.52	10.66	5.20		
		4	11.06	10.99	11.13	4.77		
		5	11.78	11.71	11.85	4.98		
		6	12.51	12.44	12.58	4.47		
		7	12.78	12.70	12.84	5.99		
		8	14.21	14.14	14.28	6.12		
	2	1	10.87	10.80	10.94	4.32	4.73	
		2	11.21	11.14	11.28	4.12		
		3	11.72	11.65	11.79	4.53		
		4	12.98	12.91	13.05	4.62		
		5	13.77	13.70	13.84	5.06		
		6	14.43	14.36	14.50	4.72		
		7	15.26	15.19	15.33	4.67		
		8	16.35	16.28	16.42	5.79		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-635331/3-A

Instrument ID (1): CPESTGC7 Instrument ID (2): CPESTGC7

Date Analyzed (1): 08/28/2019 09:08 Date Analyzed (2): 08/28/2019 09:08

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	5.04	4.97	5.11	4.16	4.17	15.2
		2	5.69	5.62	5.76	4.26		
		3	6.03	5.96	6.10	4.38		
		4	6.50	6.43	6.57	4.34		
		5	6.73	6.66	6.80	4.31		
		6	6.83	6.76	6.90	4.36		
		7	7.44	7.36	7.50	4.32		
		8	8.08	8.00	8.14	3.27		
	2	1	6.24	6.17	6.31	3.64	3.58	
		2	7.02	6.95	7.09	3.55		
		3	7.84	7.77	7.91	3.77		
		4	8.08	8.01	8.15	3.67		
		5	8.26	8.19	8.33	3.76		
		6	9.12	9.05	9.19	3.43		
		7	9.63	9.56	9.70	2.85		
		8	9.97	9.90	10.04	4.01		
Aroclor 1260	1	1	9.46	9.39	9.53	3.95	4.74	1.9
		2	10.37	10.30	10.44	3.66		
		3	10.59	10.52	10.66	5.00		
		4	11.06	10.99	11.13	4.58		
		5	11.78	11.71	11.85	4.77		
		6	12.51	12.44	12.58	4.29		
		7	12.78	12.70	12.84	5.74		
		8	14.21	14.14	14.28	5.88		
	2	1	10.87	10.80	10.94	4.23	4.65	
		2	11.21	11.14	11.28	4.02		
		3	11.72	11.65	11.79	4.41		
		4	12.98	12.91	13.05	4.79		
		5	13.76	13.70	13.84	4.93		
		6	14.43	14.36	14.50	4.60		
		7	15.26	15.19	15.33	4.55		
		8	16.35	16.28	16.42	5.64		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-635383/2-A

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 08/28/2019 07:52 Date Analyzed (2): 08/28/2019 07:52

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	1.86	1.82	1.88	0.328	0.337	17.7
		2	2.16	2.13	2.19	0.359		
		3	2.35	2.32	2.38	0.348		
		4	2.60	2.57	2.63	0.311		
		5	2.72	2.69	2.75	0.349		
		6	2.79	2.76	2.82	0.351		
		7	3.14	3.11	3.17	0.351		
		8	3.55	3.52	3.58	0.303		
	2	1	2.13	2.10	2.16	0.333	0.282	
		2	2.52	2.49	2.55	0.278		
		3	2.99	2.96	3.02	0.266		
		4	3.13	3.10	3.16	0.263		
		5	3.24	3.21	3.27	0.319		
		6	3.65	3.62	3.68	0.271		
		7	3.78	3.75	3.81	0.275		
		8	4.12	4.09	4.15	0.253		
Aroclor 1260	1	1	4.47	4.44	4.50	0.353	0.398	21.2
		2	5.09	5.06	5.12	0.311		
		3	5.24	5.21	5.27	0.407		
		4	5.52	5.49	5.55	0.405		
		5	5.90	5.87	5.93	0.439		
		6	6.28	6.25	6.31	0.343		
		7	6.42	6.39	6.45	0.464		
		8	7.27	7.24	7.30	0.460		
	2	1	4.91	4.88	4.94	0.298	0.321	
		2	5.09	5.07	5.13	0.264		
		3	5.35	5.32	5.38	0.273		
		4	5.91	5.88	5.94	0.339		
		5	6.32	6.29	6.35	0.336		
		6	6.72	6.70	6.76	0.329		
		7	7.33	7.30	7.36	0.328		
		8	8.48	8.45	8.51	0.403		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-635383/3-A

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 08/28/2019 08:28 Date Analyzed (2): 08/28/2019 08:28

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	1.86	1.82	1.88	0.353	0.352	13.1
		2	2.16	2.13	2.19	0.376		
		3	2.35	2.32	2.38	0.365		
		4	2.60	2.57	2.63	0.324		
		5	2.73	2.69	2.75	0.359		
		6	2.79	2.76	2.82	0.365		
		7	3.14	3.11	3.17	0.362		
		8	3.55	3.52	3.58	0.310		
	2	1	2.13	2.10	2.16	0.303	0.309	
		2	2.52	2.49	2.55	0.301		
		3	2.99	2.96	3.02	0.293		
		4	3.13	3.10	3.16	0.290		
		5	3.24	3.21	3.27	0.358		
		6	3.65	3.62	3.68	0.311		
		7	3.78	3.75	3.81	0.321		
		8	4.12	4.09	4.15	0.293		
Aroclor 1260	1	1	4.47	4.44	4.50	0.361	0.407	13.3
		2	5.09	5.06	5.12	0.315		
		3	5.24	5.21	5.27	0.417		
		4	5.52	5.49	5.55	0.410		
		5	5.90	5.87	5.93	0.451		
		6	6.28	6.25	6.31	0.355		
		7	6.42	6.39	6.45	0.476		
		8	7.28	7.24	7.30	0.474		
	2	1	4.91	4.88	4.94	0.345	0.356	
		2	5.10	5.07	5.13	0.298		
		3	5.35	5.32	5.38	0.305		
		4	5.91	5.88	5.94	0.376		
		5	6.32	6.29	6.35	0.374		
		6	6.73	6.70	6.76	0.361		
		7	7.33	7.30	7.36	0.358		
		8	8.48	8.45	8.51	0.432		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: WP-PAD01-08272019 Lab Sample ID: 460-189937-1

Matrix: Solid Lab File ID: T1563448.D

Analysis Method: 8082A Date Collected: 08/27/2019 12:50

Extraction Method: 3546 Date Extracted: 08/27/2019 21:39

Sample wt/vol: 15.00(g) Date Analyzed: 08/28/2019 08:45

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: 3.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 635460 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563448.D
Lims ID: 460-189937-A-1-C
Client ID: WP-PAD01-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 08:45:41 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:04:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.068	1.069	-0.001	22882921	20.0	
2	1.067	1.067	0.000	18423475	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	1.677	1.678	-0.001	45466285	41.5	
2	1.553	1.553	0.000	41385417	48.8	
					RPD = 16.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	9.657	9.659	-0.002	47634251	49.0	
2	8.183	8.185	-0.002	48501095	52.2	
					RPD = 6.39	

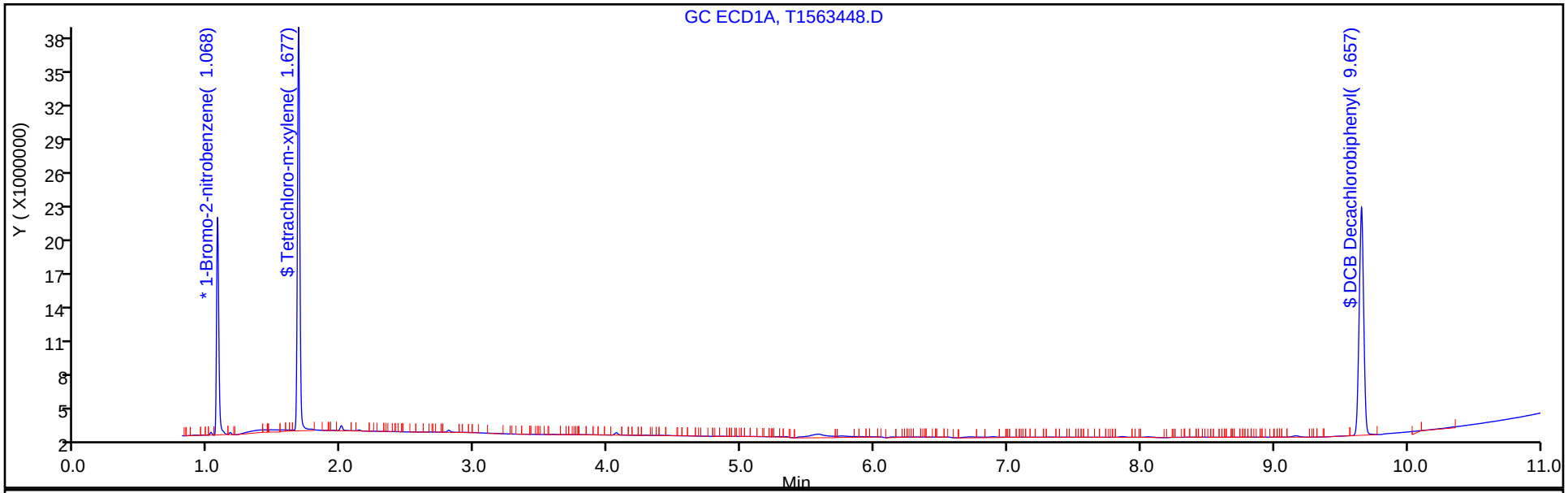
Reagents:

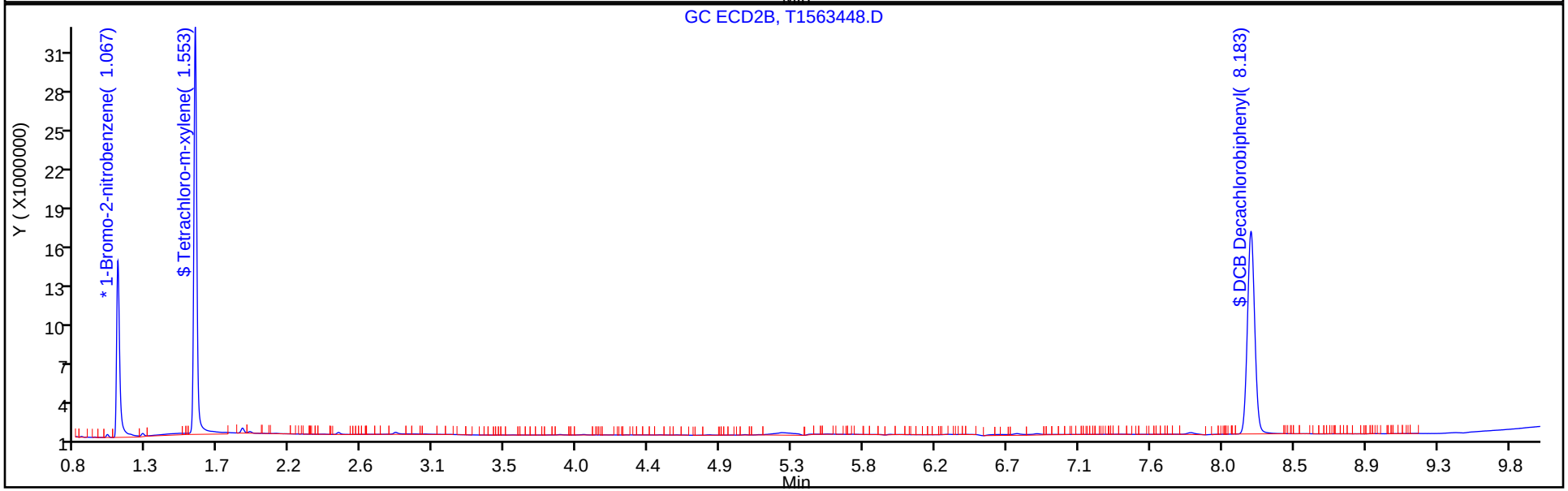
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563448.D				
Injection Date:	28-Aug-2019 08:45:41	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-1-C	Lab Sample ID:	460-189937-1	Worklist Smp#:	9
Client ID:	WP-PAD01-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD01-08272019
Lab Sample ID: 460-189937-1
Matrix: Solid
Lab File ID: T1563448.D
Analysis Method: 8082A
Date Collected: 08/27/2019 12:50
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 08:45
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 3.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0092	U	0.070	0.0092
11104-28-2	Aroclor 1221	0.0092	U	0.070	0.0092
11141-16-5	Aroclor 1232	0.0092	U	0.070	0.0092
53469-21-9	Aroclor 1242	0.0092	U	0.070	0.0092
12672-29-6	Aroclor 1248	0.0092	U	0.070	0.0092
11097-69-1	Aroclor 1254	0.0095	U	0.070	0.0095
11096-82-5	Aroclor 1260	0.0095	U	0.070	0.0095
37324-23-5	Aroclor-1262	0.0095	U	0.070	0.0095
11100-14-4	Aroclor 1268	0.0095	U	0.070	0.0095
1336-36-3	Polychlorinated biphenyls, Total	0.0095	U	0.070	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563448.D
Lims ID: 460-189937-A-1-C
Client ID: WP-PAD01-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 08:45:41 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:04:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.068	1.069	-0.001	22882921	20.0	
2	1.067	1.067	0.000	18423475	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	1.677	1.678	-0.001	45466285	41.5	
2	1.553	1.553	0.000	41385417	48.8	
					RPD = 16.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	9.657	9.659	-0.002	47634251	49.0	
2	8.183	8.185	-0.002	48501095	52.2	
					RPD = 6.39	

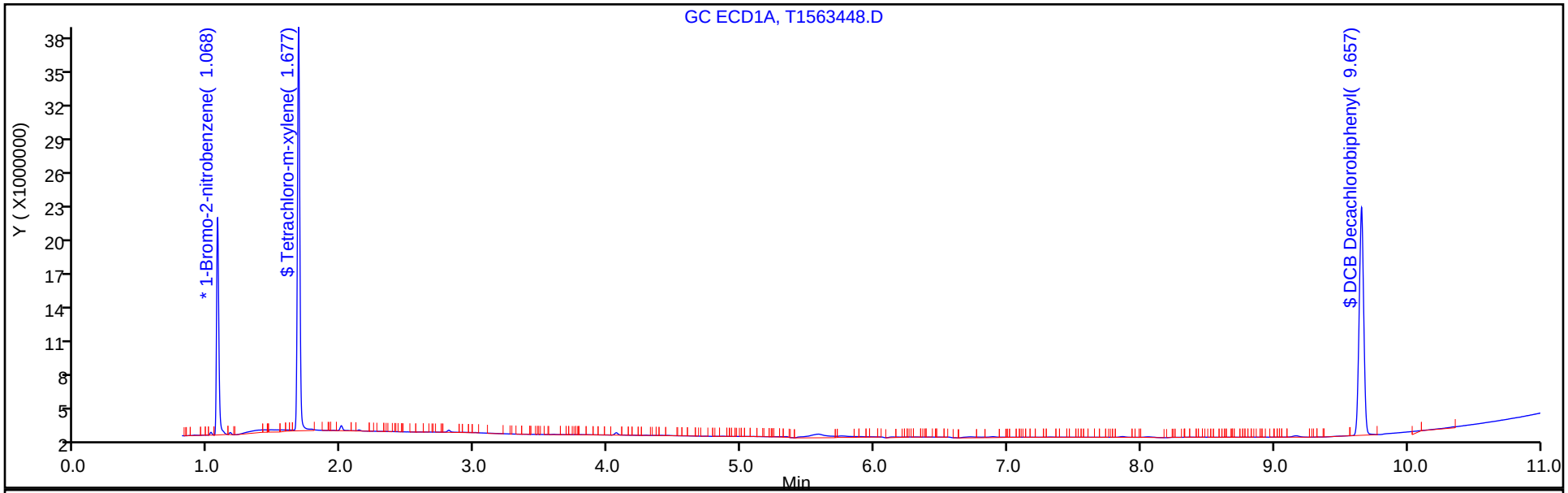
Reagents:

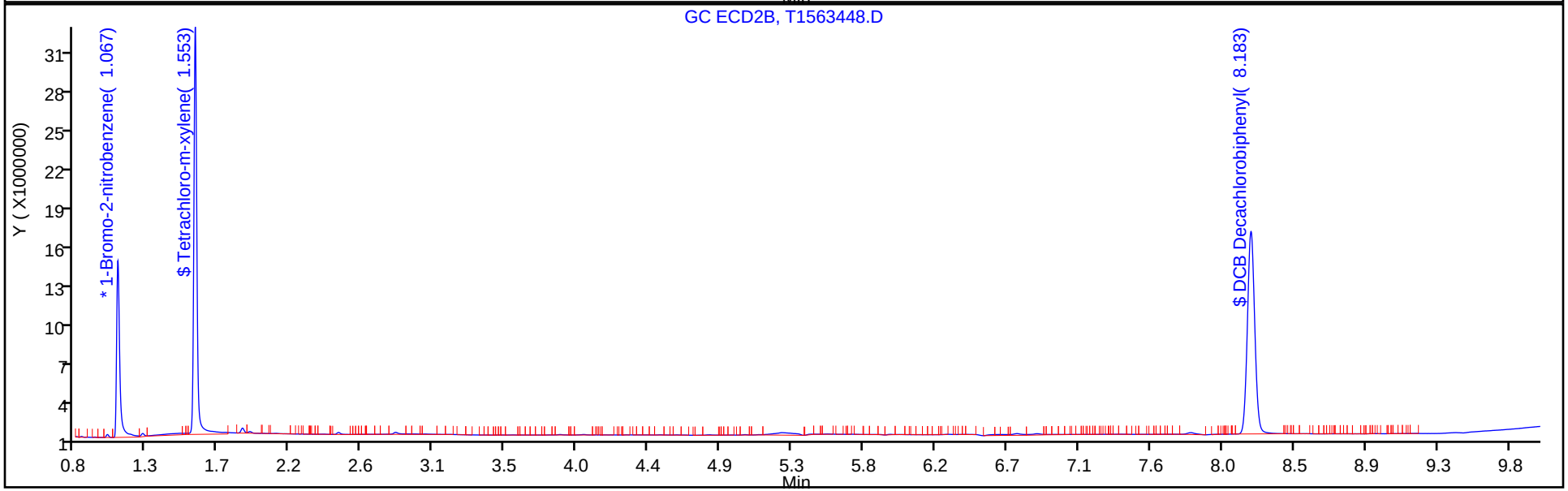
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:39 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563448.D				
Injection Date:	28-Aug-2019 08:45:41	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-1-C	Lab Sample ID:	460-189937-1	Worklist Smp#:	9
Client ID:	WP-PAD01-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD02-08272019
Lab Sample ID: 460-189937-2
Matrix: Solid
Lab File ID: T1563449.D
Analysis Method: 8082A
Date Collected: 08/27/2019 12:55
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 09:02
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 3.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563449.D
Lims ID: 460-189937-A-2-A
Client ID: WP-PAD02-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:02:52 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:04:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.068	1.069	-0.001	23855209	20.0	
2	1.068	1.067	0.001	18726804	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.657	9.659	-0.002	51843520	51.1	
2	8.186	8.185	0.001	53092539	56.2	
					RPD = 9.49	

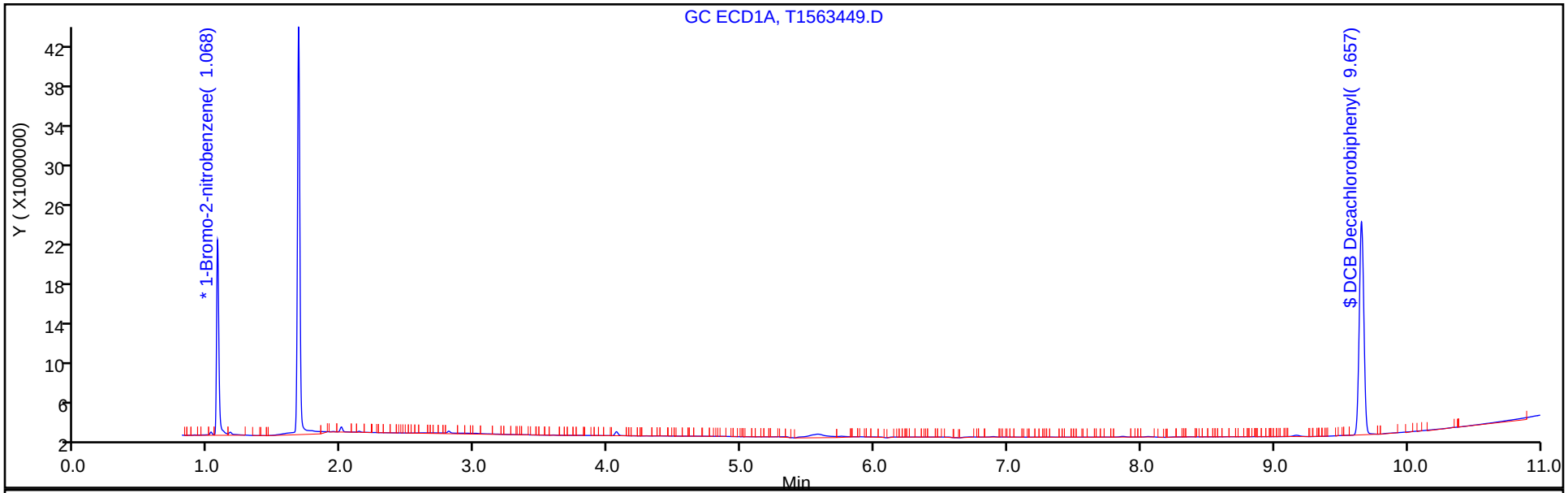
Reagents:

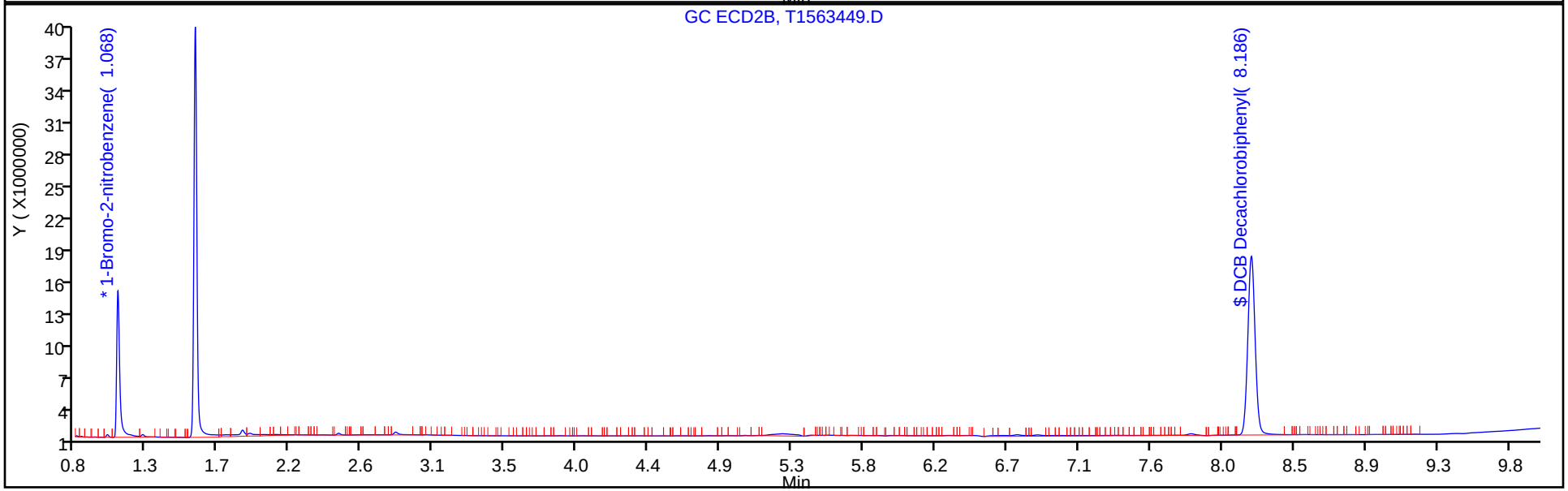
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:41 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563449.D				
Injection Date:	28-Aug-2019 09:02:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-2-A	Lab Sample ID:	460-189937-2	Worklist Smp#:	10
Client ID:	WP-PAD02-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD02-08272019
Lab Sample ID: 460-189937-2
Matrix: Solid
Lab File ID: T1563449.D
Analysis Method: 8082A
Date Collected: 08/27/2019 12:55
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 09:02
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 3.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0092	U	0.069	0.0092
11104-28-2	Aroclor 1221	0.0092	U	0.069	0.0092
11141-16-5	Aroclor 1232	0.0092	U	0.069	0.0092
53469-21-9	Aroclor 1242	0.0092	U	0.069	0.0092
12672-29-6	Aroclor 1248	0.0092	U	0.069	0.0092
11097-69-1	Aroclor 1254	0.0095	U	0.069	0.0095
11096-82-5	Aroclor 1260	0.0095	U	0.069	0.0095
37324-23-5	Aroclor-1262	0.0095	U	0.069	0.0095
11100-14-4	Aroclor 1268	0.0095	U	0.069	0.0095
1336-36-3	Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	112		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563449.D
Lims ID: 460-189937-A-2-A
Client ID: WP-PAD02-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:02:52 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:04:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.068	1.069	-0.001	23855209	20.0	
2	1.068	1.067	0.001	18726804	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.657	9.659	-0.002	51843520	51.1	
2	8.186	8.185	0.001	53092539	56.2	
					RPD = 9.49	

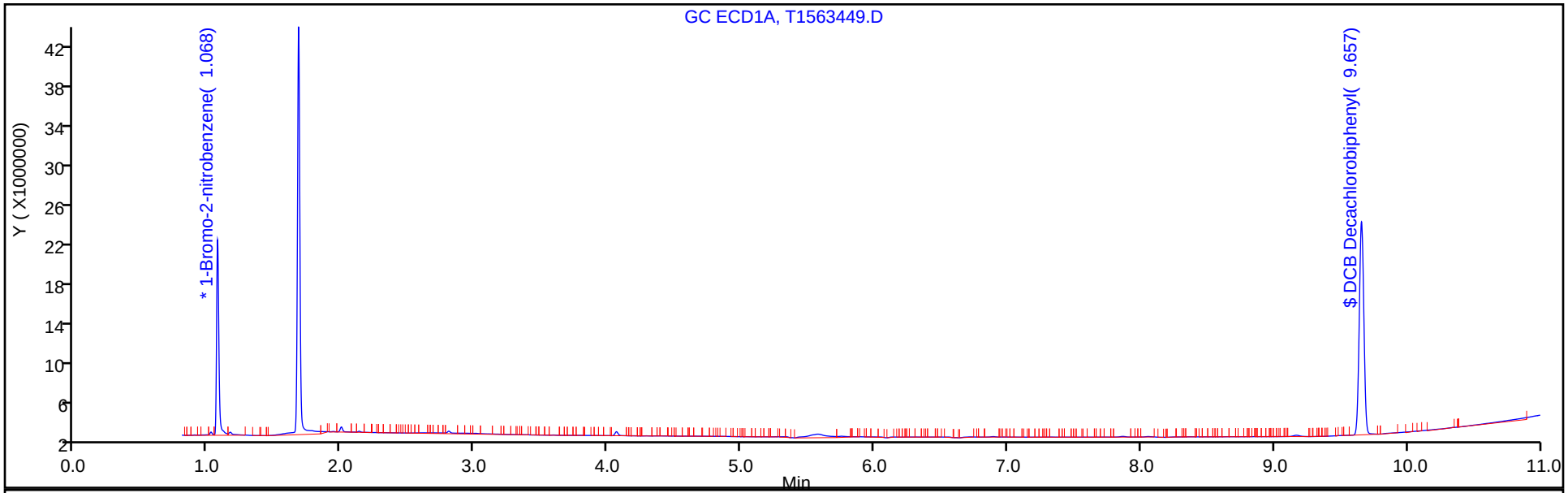
Reagents:

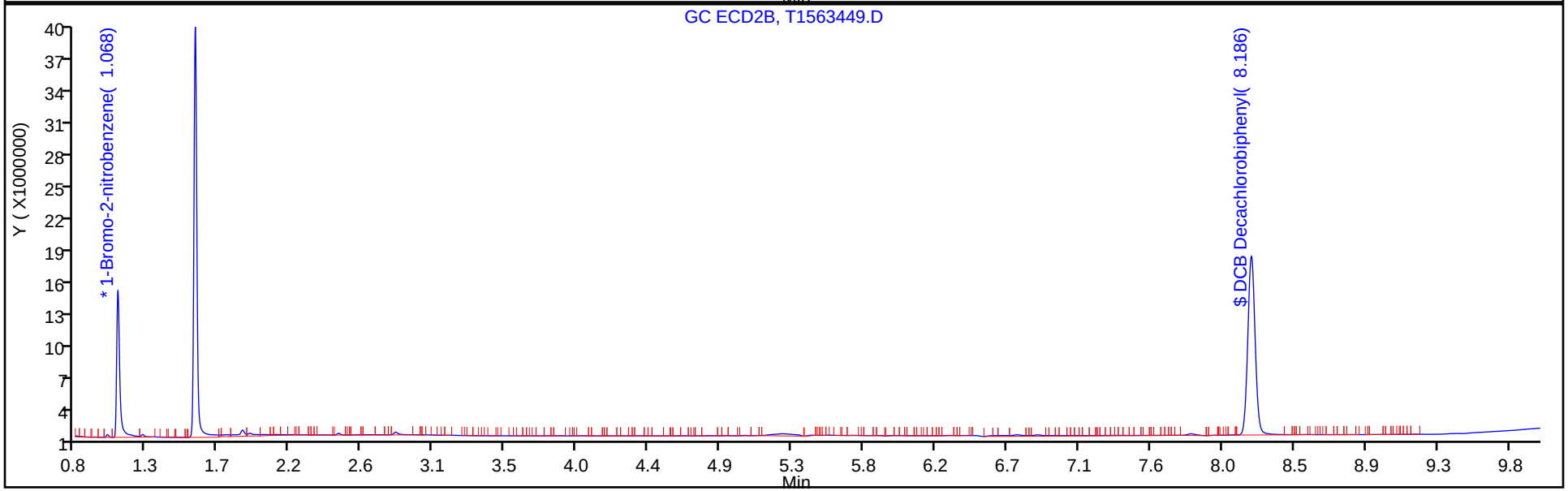
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563449.D				
Injection Date:	28-Aug-2019 09:02:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-2-A	Lab Sample ID:	460-189937-2	Worklist Smp#:	10
Client ID:	WP-PAD02-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD03-08272019
Lab Sample ID: 460-189937-3
Matrix: Solid
Lab File ID: T1563450.D
Analysis Method: 8082A
Date Collected: 08/27/2019 13:00
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 09:20
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 4.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563450.D
Lims ID: 460-189937-A-3-A
Client ID: WP-PAD03-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:20:04 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:05:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.068	1.069	-0.001	23232454	20.0	
2	1.067	1.067	0.000	18718559	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.658	9.659	-0.001	49826617	50.5	
2	8.183	8.185	-0.002	51072760	54.1	
					RPD = 6.99	

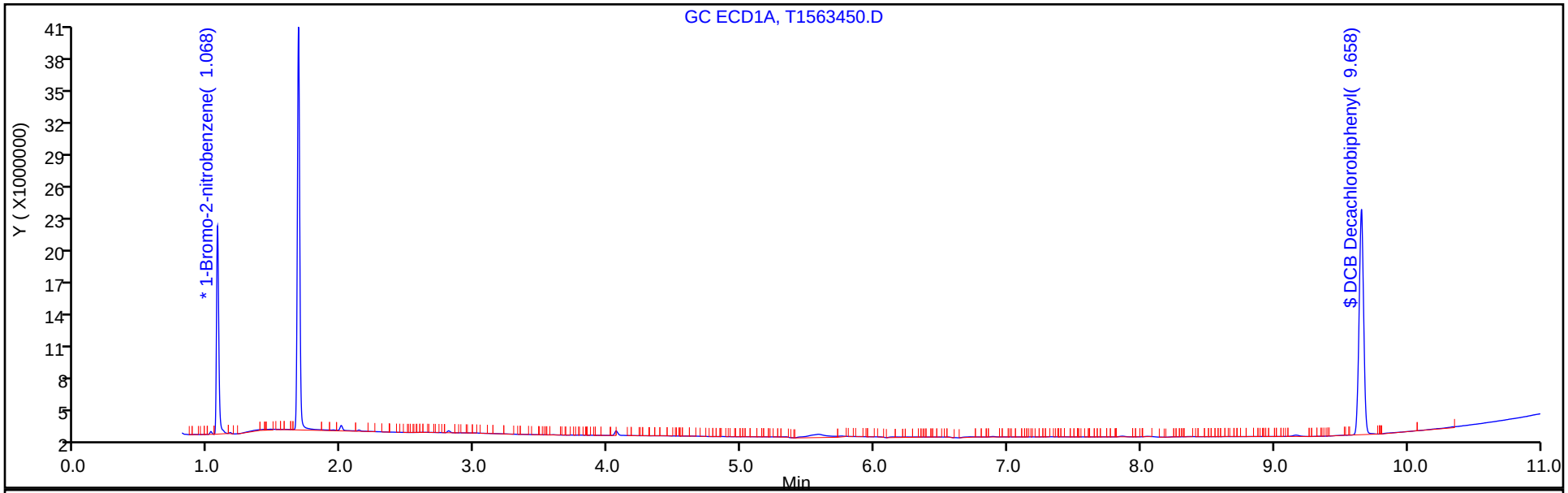
Reagents:

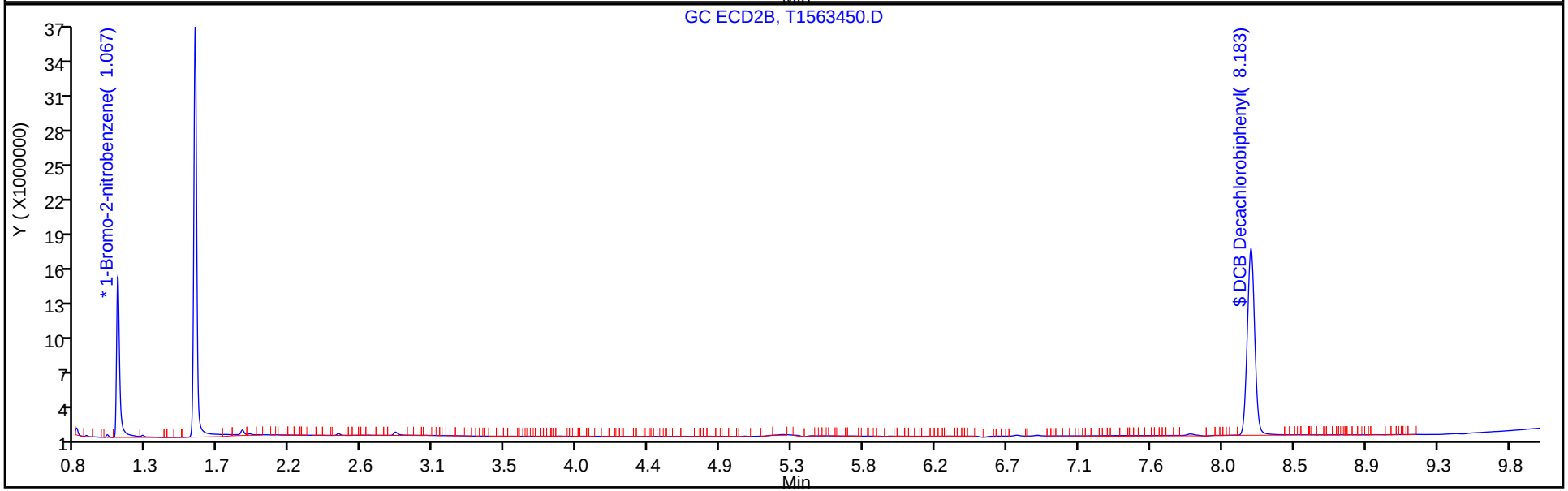
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:46 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563450.D				
Injection Date:	28-Aug-2019 09:20:04	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-3-A	Lab Sample ID:	460-189937-3	Worklist Smp#:	11
Client ID:	WP-PAD03-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD03-08272019
Lab Sample ID: 460-189937-3
Matrix: Solid
Lab File ID: T1563450.D
Analysis Method: 8082A
Date Collected: 08/27/2019 13:00
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 09:20
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 4.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0093	U	0.070	0.0093
11104-28-2	Aroclor 1221	0.0093	U	0.070	0.0093
11141-16-5	Aroclor 1232	0.0093	U	0.070	0.0093
53469-21-9	Aroclor 1242	0.0093	U	0.070	0.0093
12672-29-6	Aroclor 1248	0.0093	U	0.070	0.0093
11097-69-1	Aroclor 1254	0.0096	U	0.070	0.0096
11096-82-5	Aroclor 1260	0.0096	U	0.070	0.0096
37324-23-5	Aroclor-1262	0.0096	U	0.070	0.0096
11100-14-4	Aroclor 1268	0.0096	U	0.070	0.0096
1336-36-3	Polychlorinated biphenyls, Total	0.0096	U	0.070	0.0096

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563450.D
Lims ID: 460-189937-A-3-A
Client ID: WP-PAD03-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:20:04 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:05:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.068	1.069	-0.001	23232454	20.0	
2	1.067	1.067	0.000	18718559	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.658	9.659	-0.001	49826617	50.5	
2	8.183	8.185	-0.002	51072760	54.1	
					RPD = 6.99	

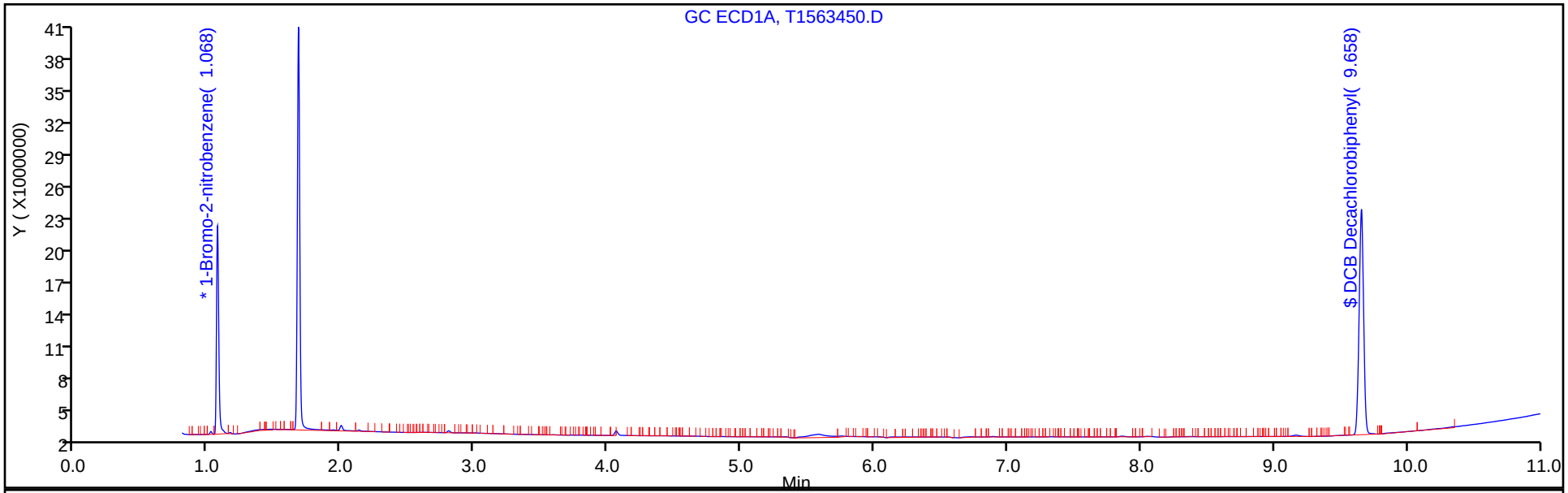
Reagents:

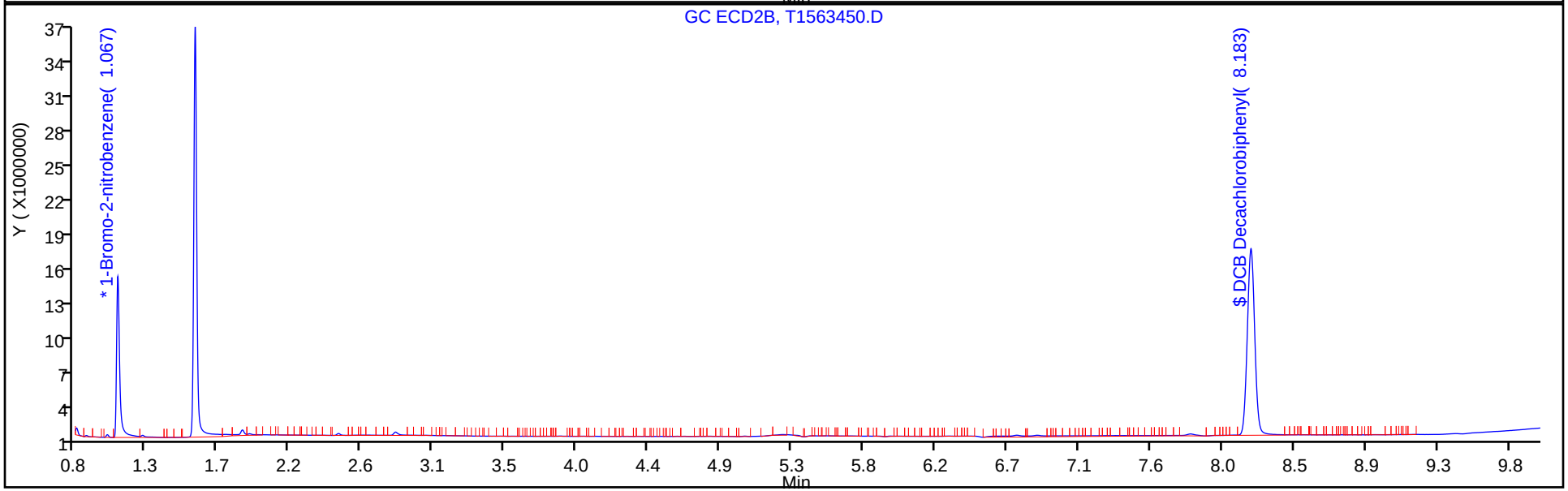
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:47 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563450.D				
Injection Date:	28-Aug-2019 09:20:04	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-3-A	Lab Sample ID:	460-189937-3	Worklist Smp#:	11
Client ID:	WP-PAD03-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: WP-PAD04-08272019 Lab Sample ID: 460-189937-4

Matrix: Solid Lab File ID: T1563451.D

Analysis Method: 8082A Date Collected: 08/27/2019 13:05

Extraction Method: 3546 Date Extracted: 08/27/2019 21:39

Sample wt/vol: 15.00(g) Date Analyzed: 08/28/2019 09:37

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: 3.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 635460 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	119		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563451.D
Lims ID: 460-189937-A-4-A
Client ID: WP-PAD04-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:37:16 ALS Bottle#: 13 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:05:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.067	1.069	-0.002	22219079	20.0	
2	1.067	1.067	0.000	17958687	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.657	9.659	-0.002	56020947	59.3	
2	8.181	8.185	-0.004	57230219	63.2	
					RPD = 6.34	

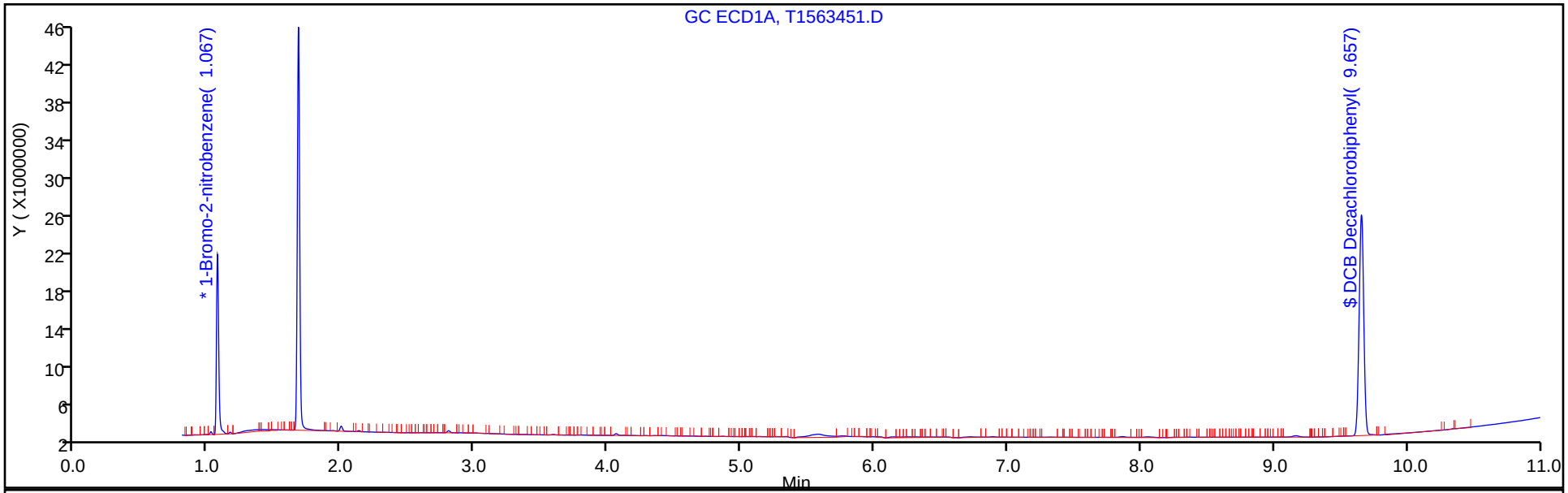
Reagents:

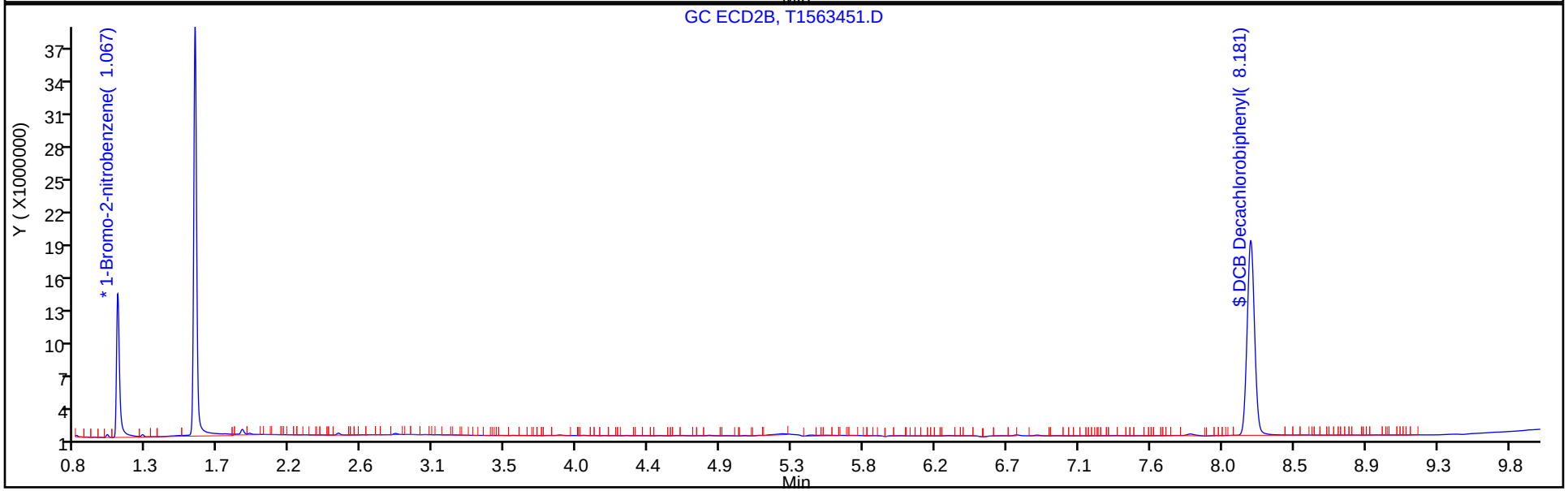
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563451.D				
Injection Date:	28-Aug-2019 09:37:16	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-4-A	Lab Sample ID:	460-189937-4	Worklist Smp#:	12
Client ID:	WP-PAD04-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD04-08272019
Lab Sample ID: 460-189937-4
Matrix: Solid
Lab File ID: T1563451.D
Analysis Method: 8082A
Date Collected: 08/27/2019 13:05
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 09:37
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 3.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0092	U	0.069	0.0092
11104-28-2	Aroclor 1221	0.0092	U	0.069	0.0092
11141-16-5	Aroclor 1232	0.0092	U	0.069	0.0092
53469-21-9	Aroclor 1242	0.0092	U	0.069	0.0092
12672-29-6	Aroclor 1248	0.0092	U	0.069	0.0092
11097-69-1	Aroclor 1254	0.0095	U	0.069	0.0095
11096-82-5	Aroclor 1260	0.0095	U	0.069	0.0095
37324-23-5	Aroclor-1262	0.0095	U	0.069	0.0095
11100-14-4	Aroclor 1268	0.0095	U	0.069	0.0095
1336-36-3	Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563451.D
Lims ID: 460-189937-A-4-A
Client ID: WP-PAD04-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:37:16 ALS Bottle#: 13 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:05:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.067	1.069	-0.002	22219079	20.0	
2	1.067	1.067	0.000	17958687	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.657	9.659	-0.002	56020947	59.3	
2	8.181	8.185	-0.004	57230219	63.2	
					RPD = 6.34	

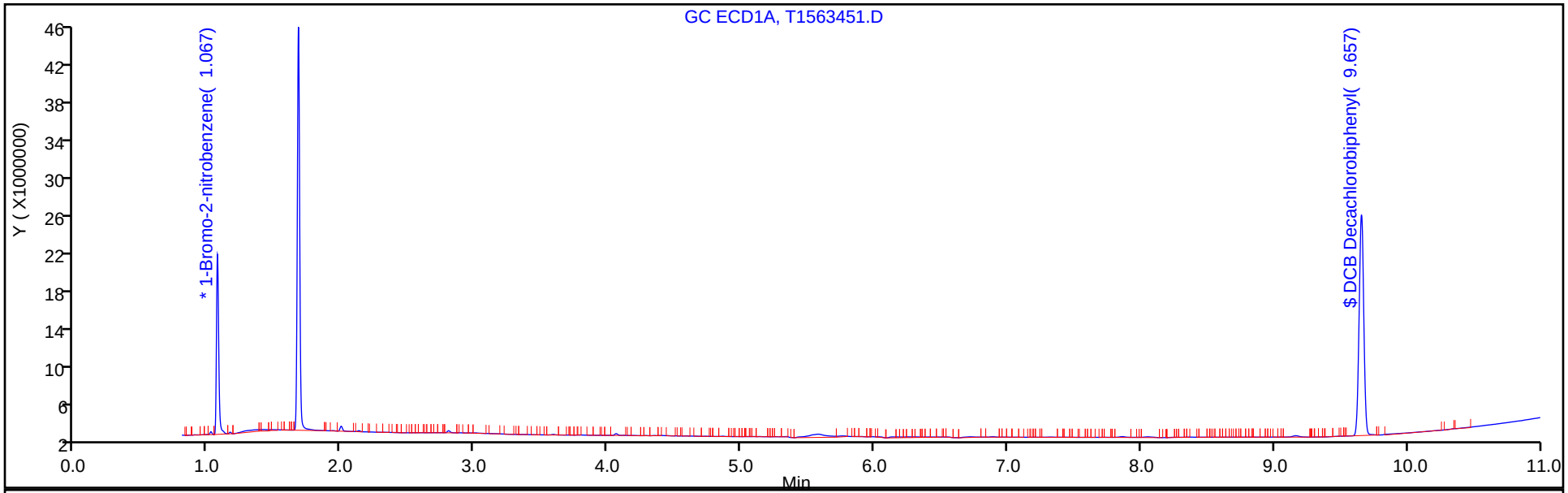
Reagents:

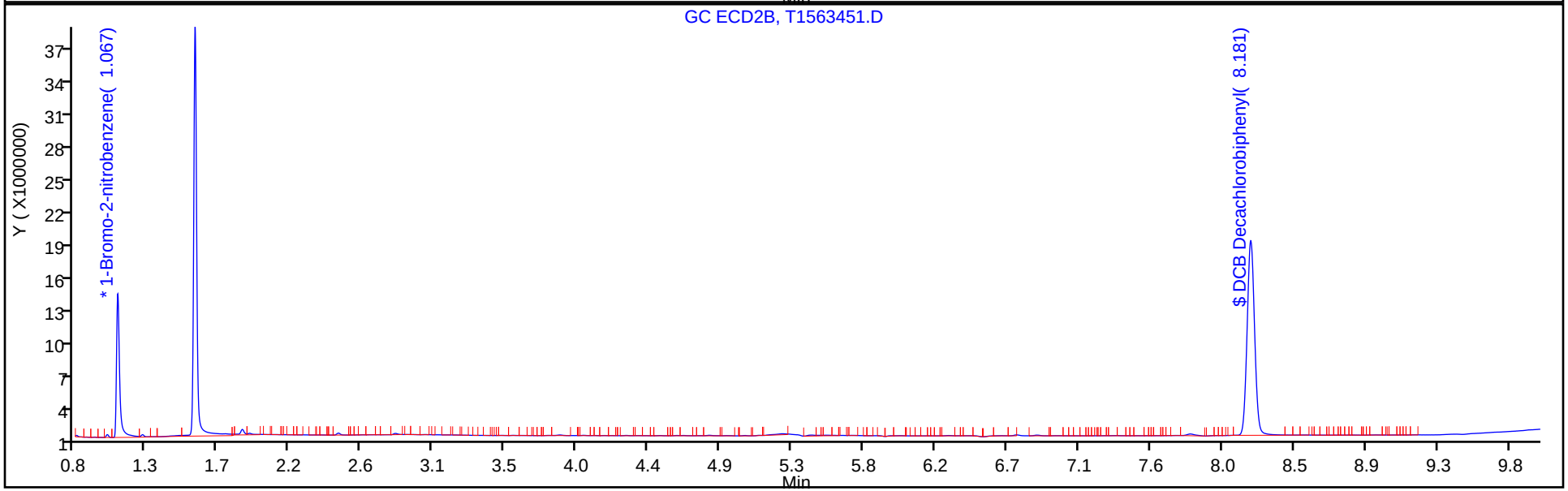
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563451.D				
Injection Date:	28-Aug-2019 09:37:16	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-4-A	Lab Sample ID:	460-189937-4	Worklist Smp#:	12
Client ID:	WP-PAD04-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: WP-PAD05-08272019 Lab Sample ID: 460-189937-5

Matrix: Solid Lab File ID: T1563452.D

Analysis Method: 8082A Date Collected: 08/27/2019 13:10

Extraction Method: 3546 Date Extracted: 08/27/2019 21:39

Sample wt/vol: 15.00(g) Date Analyzed: 08/28/2019 09:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: 3.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 635460 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563452.D
Lims ID: 460-189937-A-5-A
Client ID: WP-PAD05-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:54:25 ALS Bottle#: 14 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:05:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.068	1.069	-0.001	23643929	20.0	
2	1.068	1.067	0.001	18600569	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.657	9.659	-0.002	47995590	47.8	
2	8.183	8.185	-0.002	49135193	52.4	
					RPD = 9.25	

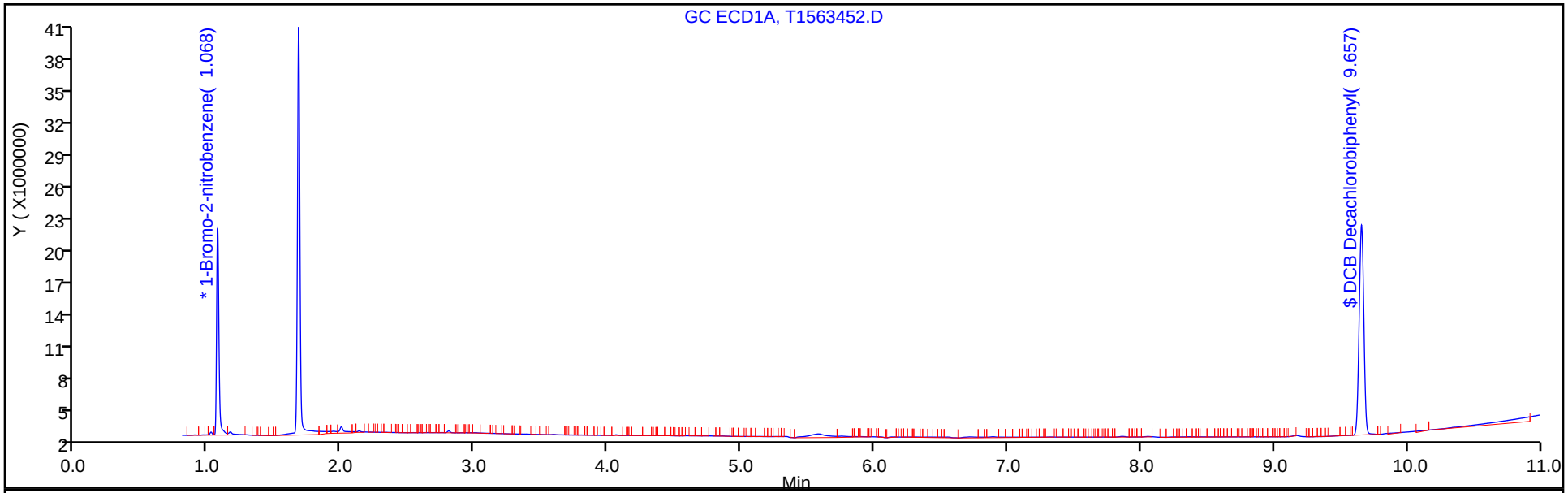
Reagents:

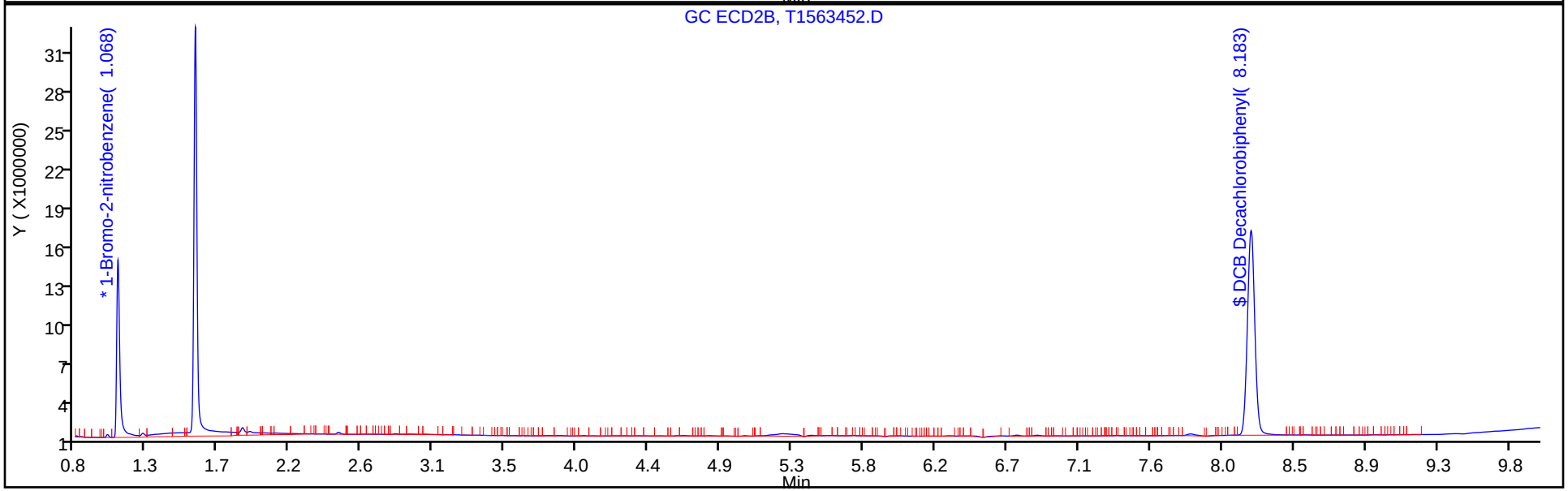
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:54 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563452.D				
Injection Date:	28-Aug-2019 09:54:25	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-5-A	Lab Sample ID:	460-189937-5	Worklist Smp#:	13
Client ID:	WP-PAD05-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD05-08272019
Lab Sample ID: 460-189937-5
Matrix: Solid
Lab File ID: T1563452.D
Analysis Method: 8082A
Date Collected: 08/27/2019 13:10
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 09:54
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 3.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0092	U	0.069	0.0092
11104-28-2	Aroclor 1221	0.0092	U	0.069	0.0092
11141-16-5	Aroclor 1232	0.0092	U	0.069	0.0092
53469-21-9	Aroclor 1242	0.0092	U	0.069	0.0092
12672-29-6	Aroclor 1248	0.0092	U	0.069	0.0092
11097-69-1	Aroclor 1254	0.0095	U	0.069	0.0095
11096-82-5	Aroclor 1260	0.0095	U	0.069	0.0095
37324-23-5	Aroclor-1262	0.0095	U	0.069	0.0095
11100-14-4	Aroclor 1268	0.0095	U	0.069	0.0095
1336-36-3	Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563452.D
Lims ID: 460-189937-A-5-A
Client ID: WP-PAD05-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:54:25 ALS Bottle#: 14 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:05:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.068	1.069	-0.001	23643929	20.0	
2	1.068	1.067	0.001	18600569	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.657	9.659	-0.002	47995590	47.8	
2	8.183	8.185	-0.002	49135193	52.4	
					RPD = 9.25	

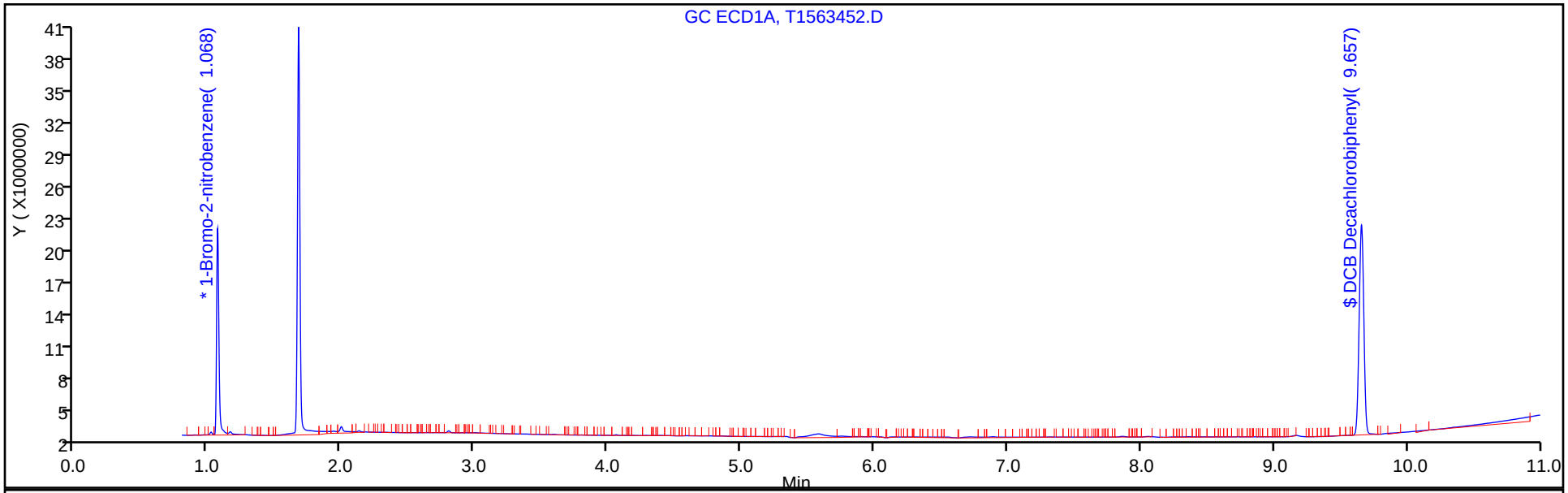
Reagents:

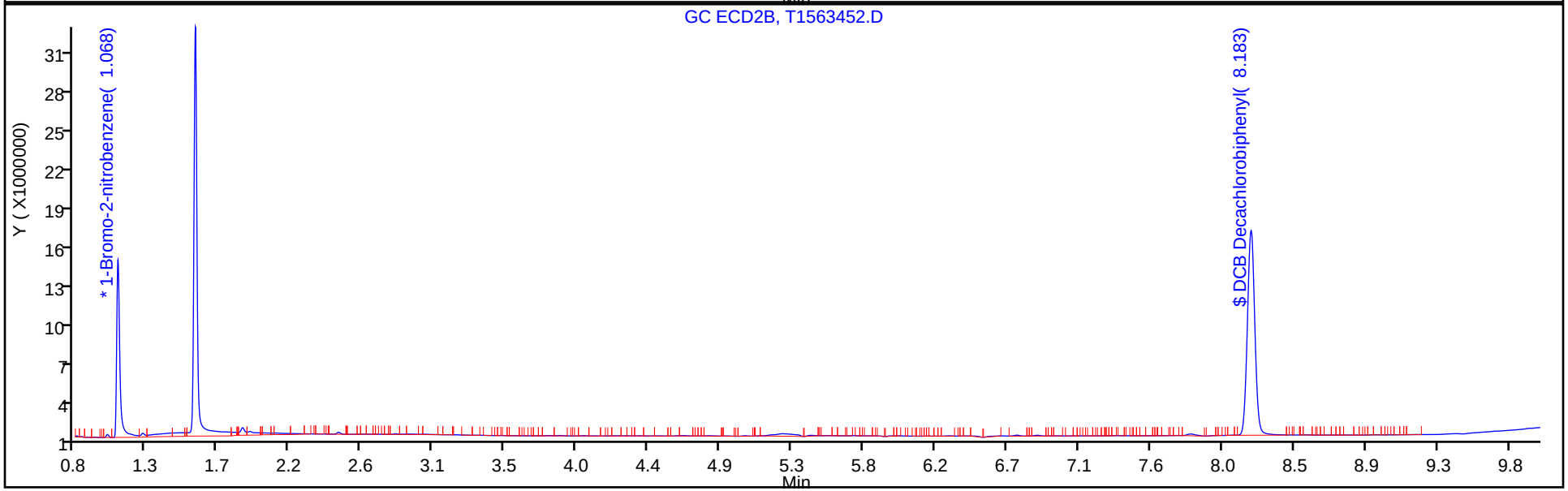
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 11:07:54 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563452.D				
Injection Date:	28-Aug-2019 09:54:25	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-5-A	Lab Sample ID:	460-189937-5	Worklist Smp#:	13
Client ID:	WP-PAD05-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: WP-PAD06-08272019 Lab Sample ID: 460-189937-6

Matrix: Solid Lab File ID: T1563453.D

Analysis Method: 8082A Date Collected: 08/27/2019 13:15

Extraction Method: 3546 Date Extracted: 08/27/2019 21:39

Sample wt/vol: 15.00(g) Date Analyzed: 08/28/2019 10:31

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: 3.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 635460 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563453.D
Lims ID: 460-189937-A-6-A
Client ID: WP-PAD06-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 10:31:31 ALS Bottle#: 15 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:14:52 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:08:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.067	1.069	-0.002	22866287	20.0	
2	1.062	1.067	-0.005	18555082	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.671	9.659	0.012	47451174	48.8	
2	8.187	8.185	0.002	47171676	50.4	
					RPD = 3.22	

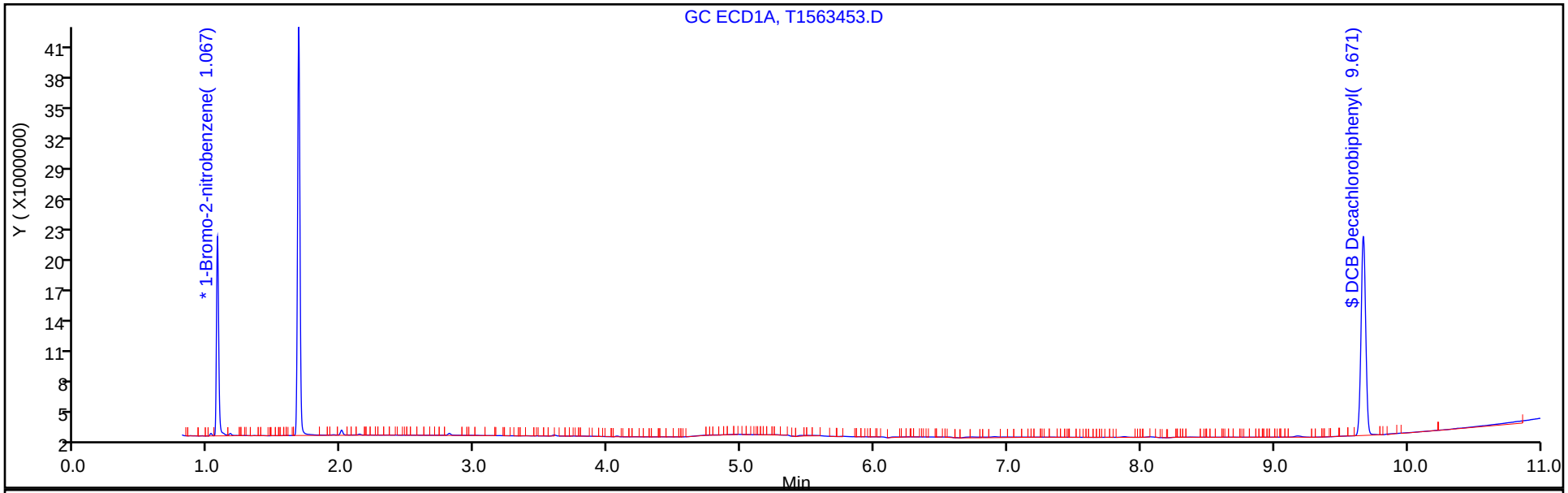
Reagents:

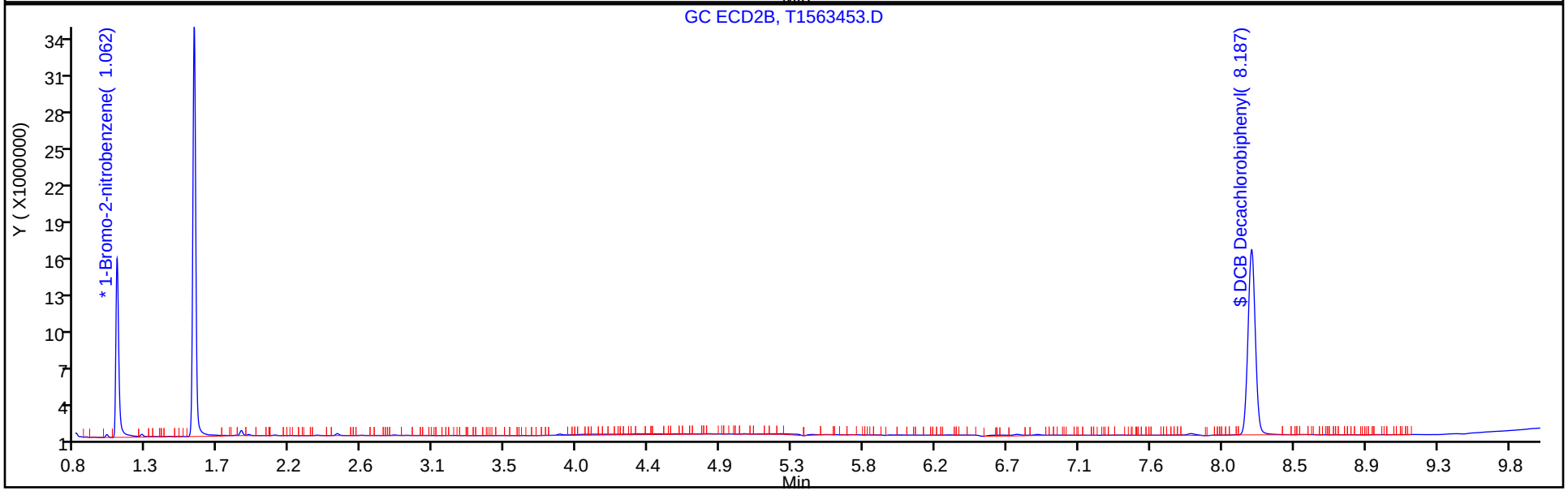
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:14:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563453.D				
Injection Date:	28-Aug-2019 10:31:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-6-A	Lab Sample ID:	460-189937-6	Worklist Smp#:	14
Client ID:	WP-PAD06-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD06-08272019
Lab Sample ID: 460-189937-6
Matrix: Solid
Lab File ID: T1563453.D
Analysis Method: 8082A
Date Collected: 08/27/2019 13:15
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 10:31
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 3.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0092	U	0.069	0.0092
11104-28-2	Aroclor 1221	0.0092	U	0.069	0.0092
11141-16-5	Aroclor 1232	0.0092	U	0.069	0.0092
53469-21-9	Aroclor 1242	0.0092	U	0.069	0.0092
12672-29-6	Aroclor 1248	0.0092	U	0.069	0.0092
11097-69-1	Aroclor 1254	0.0095	U	0.069	0.0095
11096-82-5	Aroclor 1260	0.0095	U	0.069	0.0095
37324-23-5	Aroclor-1262	0.0095	U	0.069	0.0095
11100-14-4	Aroclor 1268	0.0095	U	0.069	0.0095
1336-36-3	Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563453.D
Lims ID: 460-189937-A-6-A
Client ID: WP-PAD06-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 10:31:31 ALS Bottle#: 15 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:14:52 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 11:08:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.067	1.069	-0.002	22866287	20.0	
2	1.062	1.067	-0.005	18555082	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.671	9.659	0.012	47451174	48.8	
2	8.187	8.185	0.002	47171676	50.4	
					RPD = 3.22	

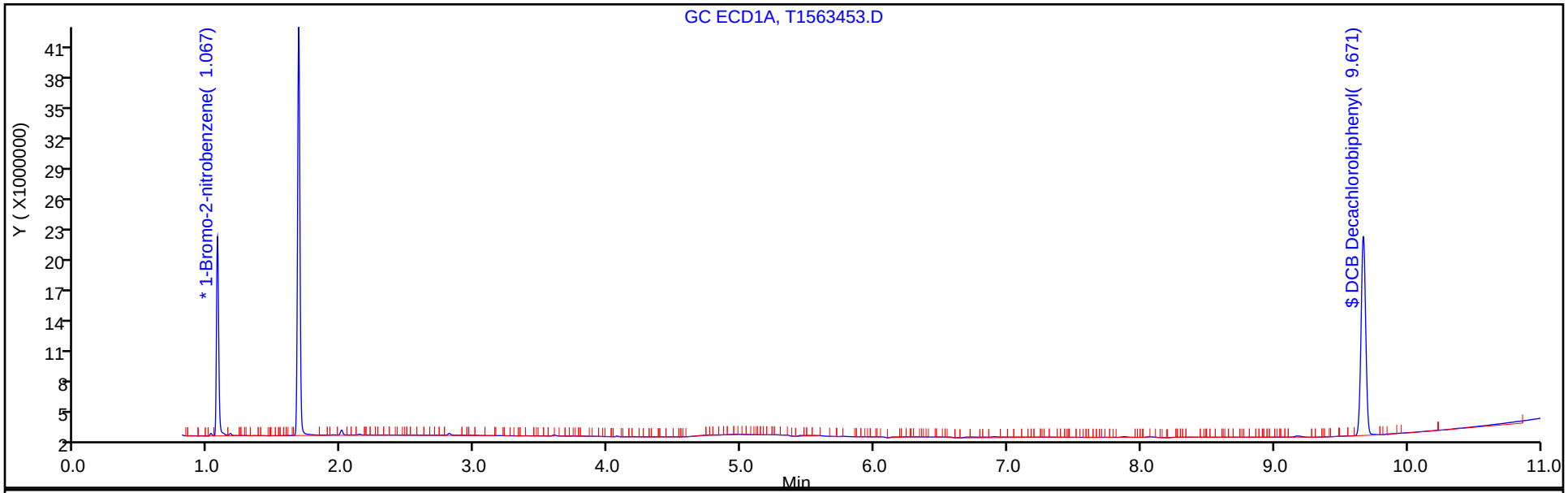
Reagents:

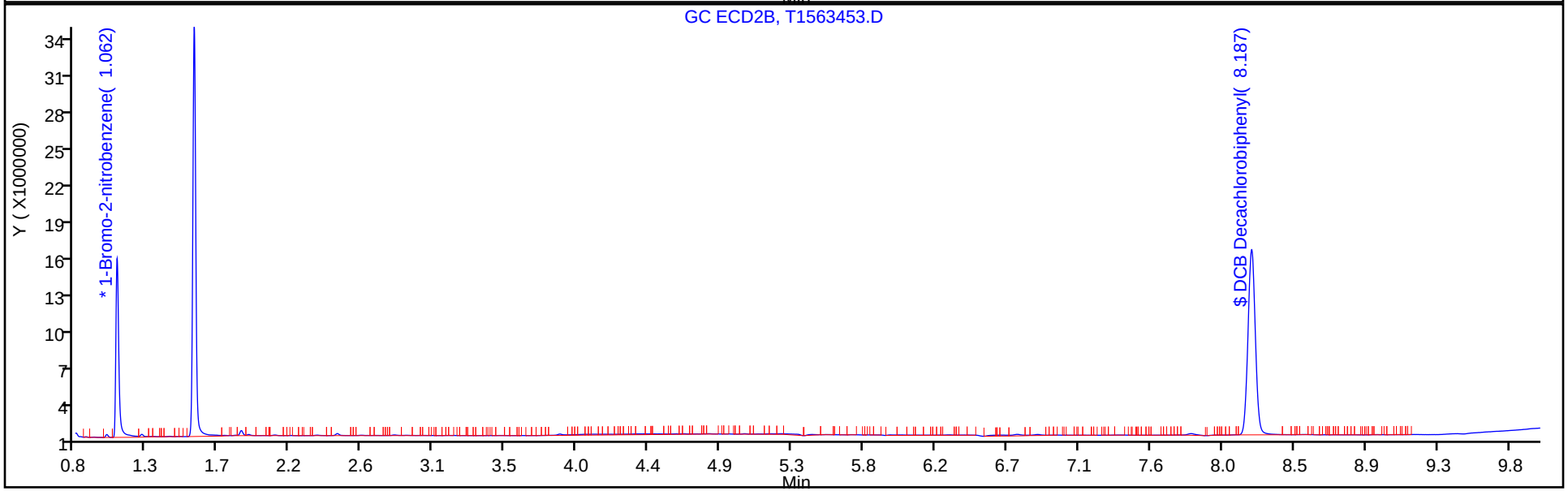
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:14:59 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563453.D				
Injection Date:	28-Aug-2019 10:31:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-6-A	Lab Sample ID:	460-189937-6	Worklist Smp#:	14
Client ID:	WP-PAD06-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Client Sample ID: WP-PAD07-08272019 Lab Sample ID: 460-189937-7

Matrix: Solid Lab File ID: T1563454.D

Analysis Method: 8082A Date Collected: 08/27/2019 13:20

Extraction Method: 3546 Date Extracted: 08/27/2019 21:39

Sample wt/vol: 15.00(g) Date Analyzed: 08/28/2019 10:48

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: 3.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 635460 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		53-150

FORM I 8082A

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563454.D
Lims ID: 460-189937-A-7-A
Client ID: WP-PAD07-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 10:48:40 ALS Bottle#: 16 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:14:52 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 12:12:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.067	1.069	-0.002	20830478	20.0	
2	1.067	1.067	0.000	18167641	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.659	9.659	0.000	48123779	54.4	
2	8.185	8.185	0.000	49236536	53.8	
					RPD = 1.12	

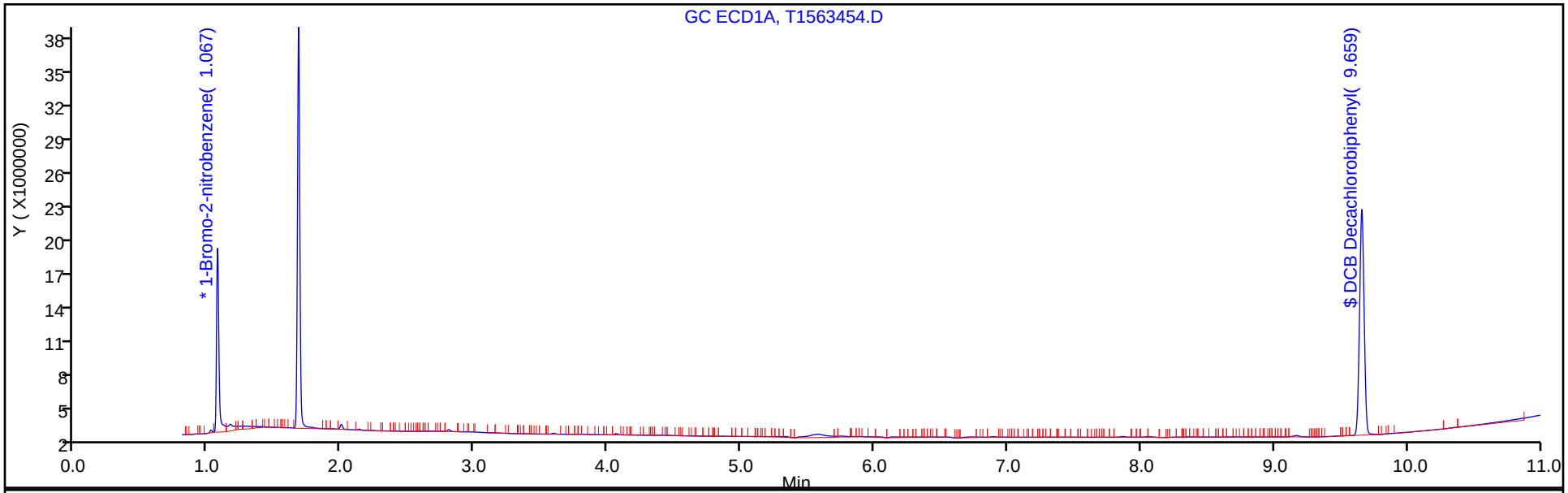
Reagents:

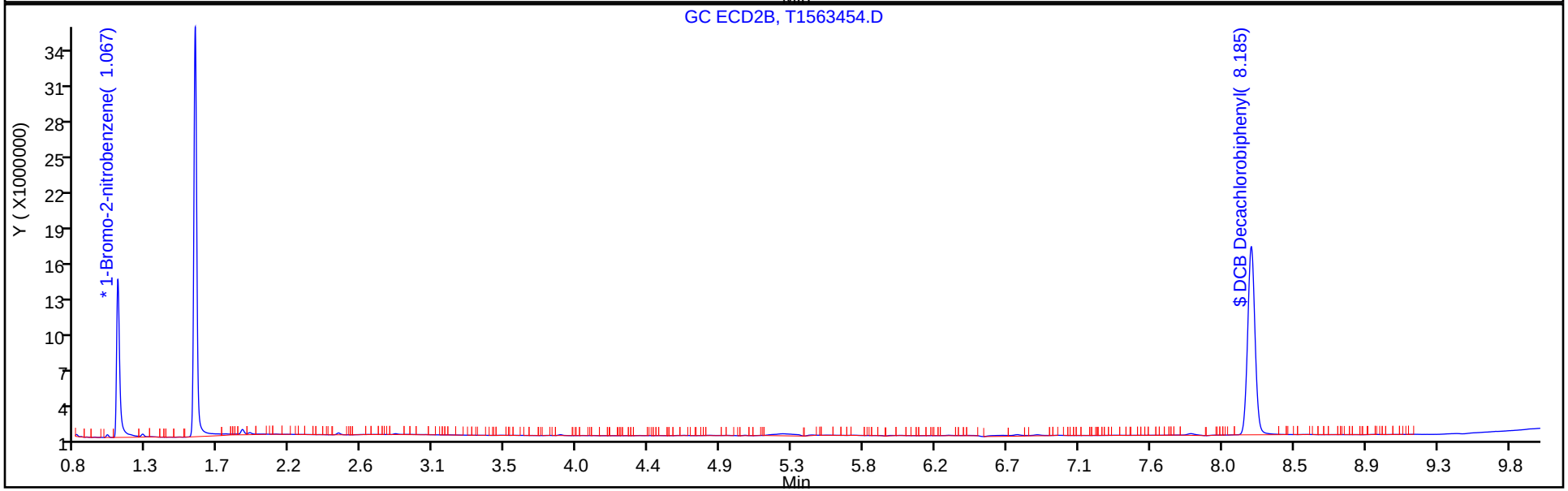
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:15:00 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563454.D				
Injection Date:	28-Aug-2019 10:48:40	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-7-A	Lab Sample ID:	460-189937-7	Worklist Smp#:	15
Client ID:	WP-PAD07-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD07-08272019
Lab Sample ID: 460-189937-7
Matrix: Solid
Lab File ID: T1563454.D
Analysis Method: 8082A
Date Collected: 08/27/2019 13:20
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 10:48
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 3.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0092	U	0.069	0.0092
11104-28-2	Aroclor 1221	0.0092	U	0.069	0.0092
11141-16-5	Aroclor 1232	0.0092	U	0.069	0.0092
53469-21-9	Aroclor 1242	0.0092	U	0.069	0.0092
12672-29-6	Aroclor 1248	0.0092	U	0.069	0.0092
11097-69-1	Aroclor 1254	0.0095	U	0.069	0.0095
11096-82-5	Aroclor 1260	0.0095	U	0.069	0.0095
37324-23-5	Aroclor-1262	0.0095	U	0.069	0.0095
11100-14-4	Aroclor 1268	0.0095	U	0.069	0.0095
1336-36-3	Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563454.D
Lims ID: 460-189937-A-7-A
Client ID: WP-PAD07-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 10:48:40 ALS Bottle#: 16 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:14:52 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 12:12:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.067	1.069	-0.002	20830478	20.0	
2	1.067	1.067	0.000	18167641	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	9.659	9.659	0.000	48123779	54.4	
2	8.185	8.185	0.000	49236536	53.8	
					RPD = 1.12	

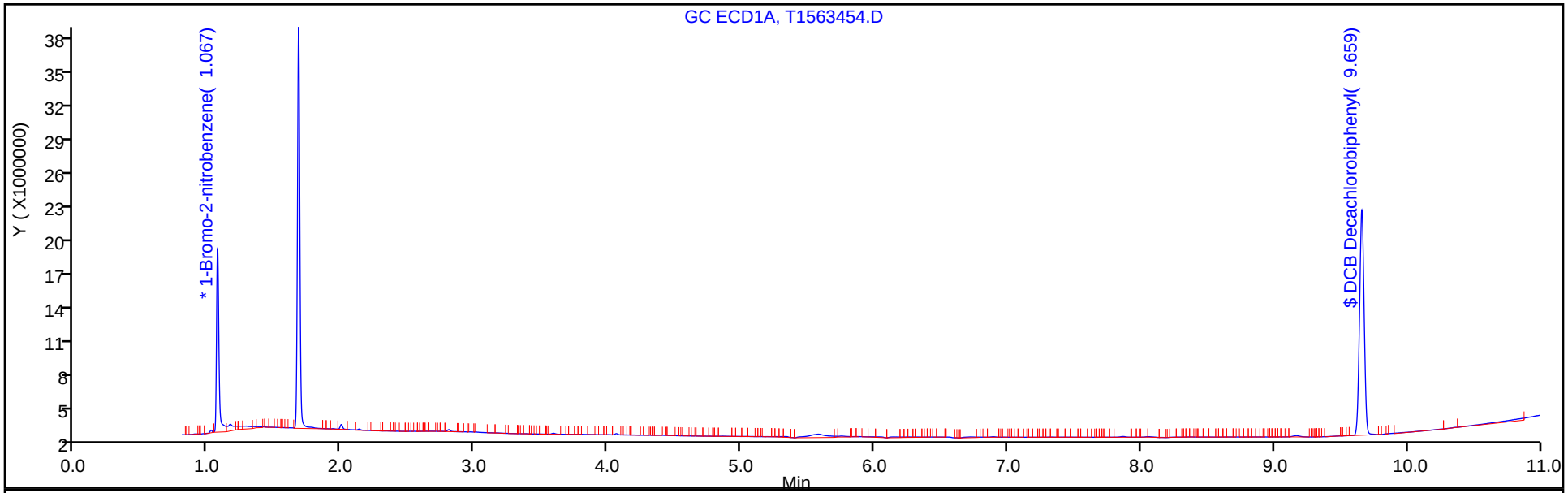
Reagents:

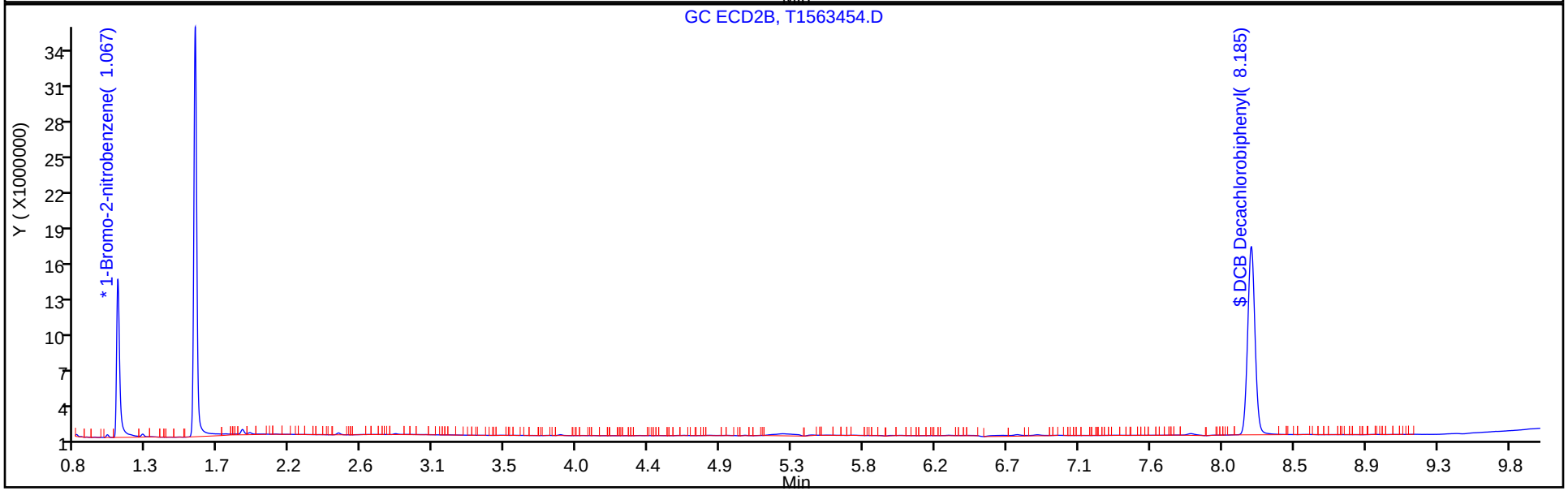
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:15:01 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563454.D				
Injection Date:	28-Aug-2019 10:48:40	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-189937-A-7-A	Lab Sample ID:	460-189937-7	Worklist Smp#:	15
Client ID:	WP-PAD07-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-FB-08272019
Lab Sample ID: 460-189937-8
Matrix: Water
Lab File ID: 7R007582.D
Analysis Method: 8082A
Date Collected: 08/27/2019 13:25
Extraction Method: 3510C
Date Extracted: 08/27/2019 17:11
Sample wt/vol: 250(mL)
Date Analyzed: 08/28/2019 09:55
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635463
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	59		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007582.D
Lims ID: 460-189937-D-8-A
Client ID: WP-FB-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:55:16 ALS Bottle#: 60 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:21:57 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 12:20:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	3.397	3.400	-0.003	60028	20.0	
2	2.917	2.920	-0.003	33616	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	17.040	17.040	0.000	146318	59.1	
2	15.297	15.293	0.004	122466	60.9	
					RPD = 3.08	

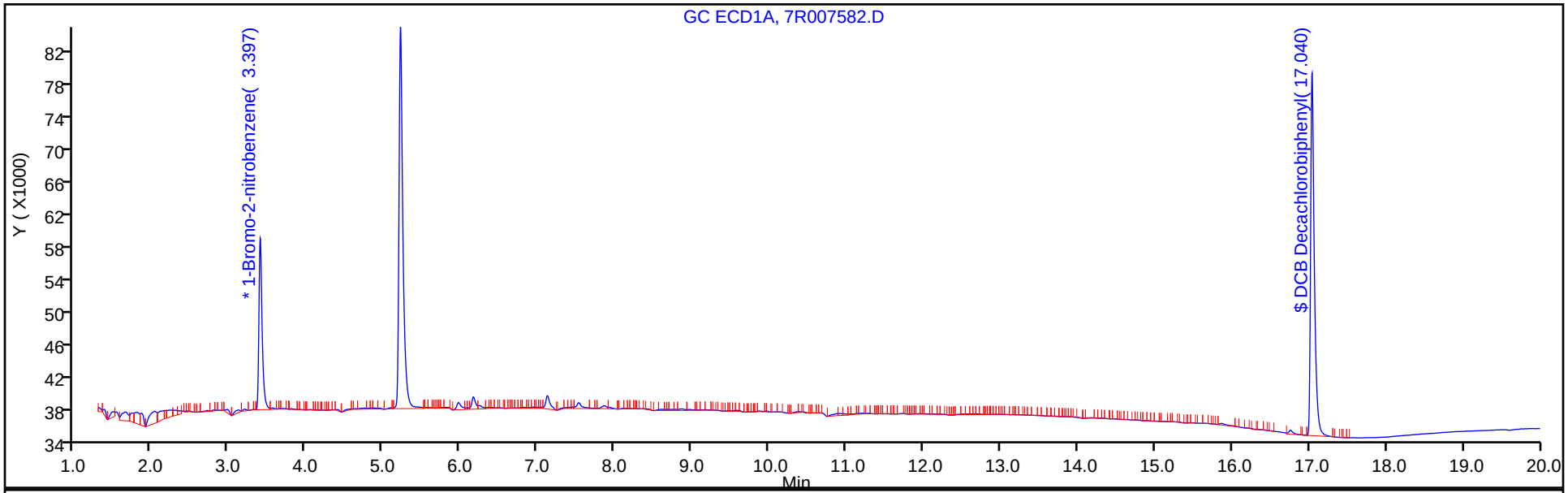
Reagents:

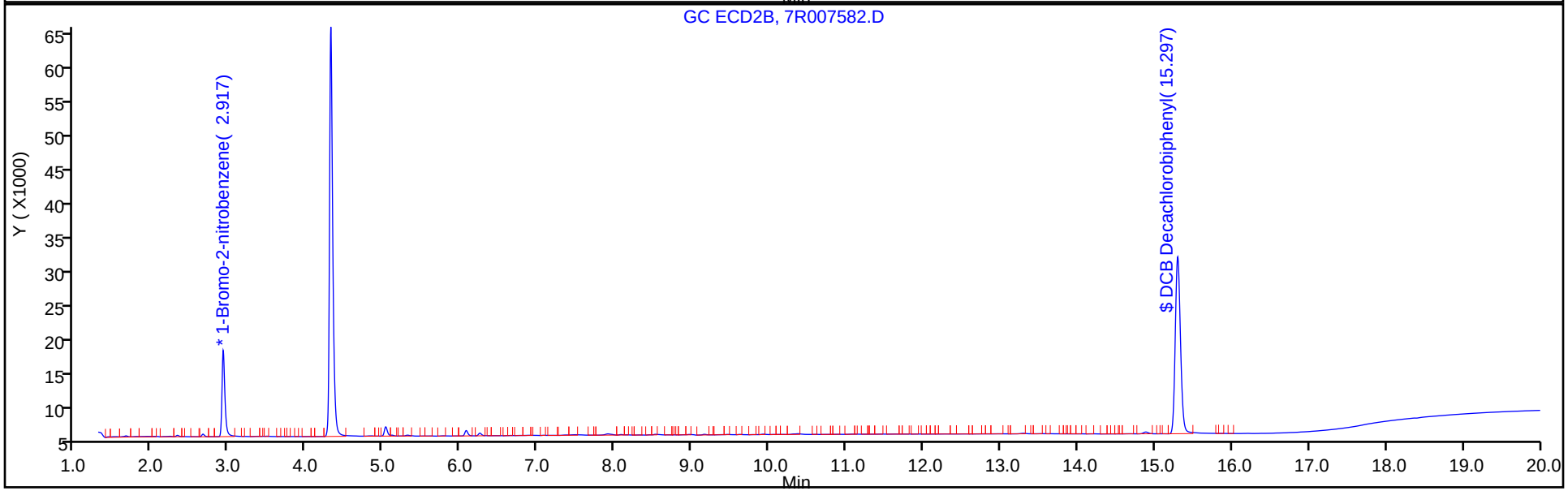
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:22:14 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007582.D				
Injection Date:	28-Aug-2019 09:55:16	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	460-189937-D-8-A	Lab Sample ID:	460-189937-8	Worklist Smp#:	10
Client ID:	WP-FB-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	60
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-FB-08272019
Lab Sample ID: 460-189937-8
Matrix: Water
Lab File ID: 7R007582.D
Analysis Method: 8082A
Date Collected: 08/27/2019 13:25
Extraction Method: 3510C
Date Extracted: 08/27/2019 17:11
Sample wt/vol: 250(mL)
Date Analyzed: 08/28/2019 09:55
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635463
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.12	U	0.40	0.12
11104-28-2	Aroclor 1221	0.12	U	0.40	0.12
11141-16-5	Aroclor 1232	0.12	U	0.40	0.12
53469-21-9	Aroclor 1242	0.12	U	0.40	0.12
12672-29-6	Aroclor 1248	0.12	U	0.40	0.12
11097-69-1	Aroclor 1254	0.11	U	0.40	0.11
11096-82-5	Aroclor 1260	0.11	U	0.40	0.11
37324-23-5	Aroclor-1262	0.11	U	0.40	0.11
11100-14-4	Aroclor 1268	0.11	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.12	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	61		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007582.D
Lims ID: 460-189937-D-8-A
Client ID: WP-FB-08272019
Sample Type: Client
Inject. Date: 28-Aug-2019 09:55:16 ALS Bottle#: 60 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:21:57 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 12:20:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	3.397	3.400	-0.003	60028	20.0	
2	2.917	2.920	-0.003	33616	20.0	
					RPD = 0.00	
$ 11 DCB Decachlorobiphenyl						
1	17.040	17.040	0.000	146318	59.1	
2	15.297	15.293	0.004	122466	60.9	
					RPD = 3.08	

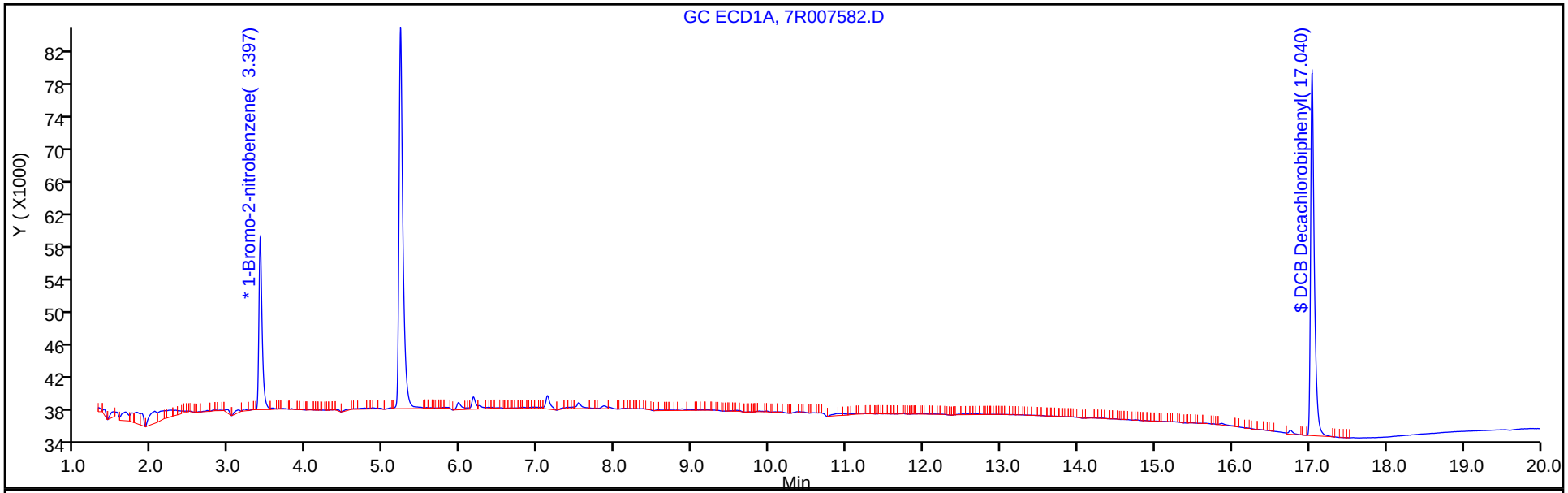
Reagents:

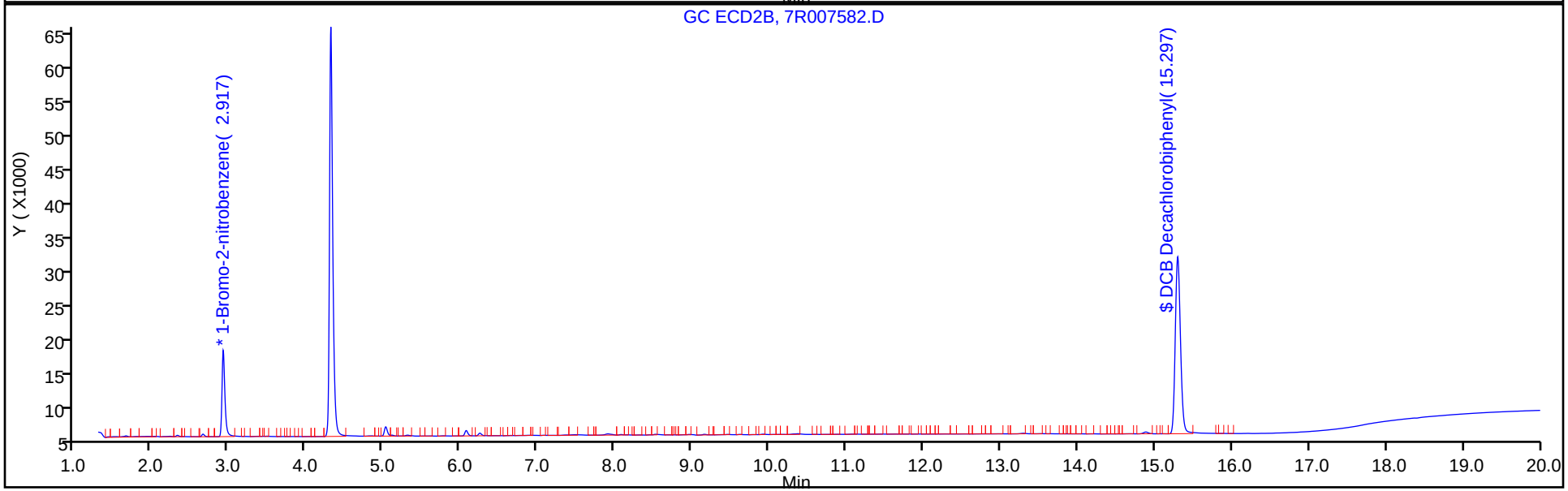
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:22:14 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007582.D				
Injection Date:	28-Aug-2019 09:55:16	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	460-189937-D-8-A	Lab Sample ID:	460-189937-8	Worklist Smp#:	10
Client ID:	WP-FB-08272019				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	60
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 16:44 Calibration End Date: 06/17/2019 17:53 Calibration ID: 75314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/3	T1561074.D
Level 2	IC 460-618192/4	T1561075.D
Level 3	IC 460-618192/2	T1561073.D
Level 4	IC 460-618192/5	T1561076.D
Level 5	IC 460-618192/6	T1561077.D

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								
PCB-1016 Peak 1	0.0194	0.0185	0.0158	0.0172	0.0186	Ave		0.0179				8.0		20.0			0.9900
PCB-1016 Peak 2	0.0400	0.0375	0.0320	0.0344	0.0375	Ave		0.0363				8.6		20.0			0.9900
PCB-1016 Peak 3	0.0812	0.0795	0.0684	0.0740	0.0825	Ave		0.0771				7.6		20.0			0.9900
PCB-1016 Peak 4	0.0338	0.0339	0.0276	0.0309	0.0342	Ave		0.0321				8.9		20.0			0.9900
PCB-1016 Peak 5	0.0195	0.0200	0.0174	0.0189	0.0210	Ave		0.0193				6.9		20.0			0.9900
PCB-1016 Peak 6	0.0281	0.0258	0.0220	0.0235	0.0261	Ave		0.0251				9.5		20.0			0.9900
PCB-1016 Peak 7	0.0329	0.0302	0.0255	0.0278	0.0307	Ave		0.0294				9.7		20.0			0.9900
PCB-1016 Peak 8	0.0262	0.0249	0.0214	0.0230	0.0254	Ave		0.0242				8.0		20.0			0.9900
PCB-1260 Peak 1	0.0235	0.0224	0.0191	0.0203	0.0224	Ave		0.0215				8.3		20.0			0.9900
PCB-1260 Peak 2	0.0565	0.0544	0.0467	0.0495	0.0550	Ave		0.0524				7.9		20.0			0.9900
PCB-1260 Peak 3	0.0627	0.0610	0.0522	0.0554	0.0616	Ave		0.0586				7.7		20.0			0.9900
PCB-1260 Peak 4	0.0405	0.0396	0.0339	0.0357	0.0395	Ave		0.0378				7.6		20.0			0.9900
PCB-1260 Peak 5	0.0413	0.0420	0.0361	0.0382	0.0423	Ave		0.0400				6.8		20.0			0.9900
PCB-1260 Peak 6	0.0979	0.0982	0.0855	0.0913	0.1012	Ave		0.0948				6.7		20.0			0.9900
PCB-1260 Peak 7	0.0700	0.0743	0.0646	0.0686	0.0756	Ave		0.0706				6.3		20.0			0.9900
PCB-1260 Peak 8	0.0254	0.0272	0.0237	0.0252	0.0275	Ave		0.0258				6.0		20.0			0.9900
Tetrachloro-m-xylene	0.8641	1.0293	0.9149	0.9220	1.0605	Ave		0.9582				8.7		20.0			0.9900
DCB Decachlorobiphenyl	0.8979	0.9208	0.7673	0.7730	0.8909	Ave		0.8500				8.7		20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 16:44 Calibration End Date: 06/17/2019 17:53 Calibration ID: 75314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/3	T1561074.D
Level 2	IC 460-618192/4	T1561075.D
Level 3	IC 460-618192/2	T1561073.D
Level 4	IC 460-618192/5	T1561076.D
Level 5	IC 460-618192/6	T1561077.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	836584	8484876	14648472	23316114	40528194	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	1721069	17228880	29664887	46535104	81706250	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	3495510	36526405	63459442	100209065	179520038	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	1457240	15574597	25575757	41813291	74464636	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	837651	9183429	16109824	25544581	45617230	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	1210396	11860520	20399399	31872176	56755697	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	1417909	13892356	23689420	37595484	66828533	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	1128024	11417117	19863680	31114218	55268066	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	1011331	10286972	17709125	27474683	48730042	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	2431492	24992292	43299182	67015114	119750628	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	2699832	28014883	48480140	74969429	134084216	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	1741956	18177793	31431074	48311339	85955966	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	1780304	19276265	33502868	51718031	92154151	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	4215817	45119192	79361266	123596490	220248405	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	3014474	34137373	59951585	92812588	164521990	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	1093644	12477123	22028409	34066236	59797791	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	9301844	47281705	84909158	124792771	184646259	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	9666228	42299011	71209954	104616110	155113486	12.5	50.0	100	150	200

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561073.D
Lims ID: IC PCB3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 17-Jun-2019 16:44:08 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:53:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 17-Jun-2019 17:01:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.187	1.187	0.000	18561703	20.0	20.0	
2	1.105	1.105	0.000	19220304	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.885	1.885	0.000	84909158	100.0	95.5	
2	1.612	1.612	0.000	85869485	100.0	97.1	
						RPD = 1.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.383	2.383	0.000	14648472	1000.0	881.5	
1	2.816	2.816	0.000	29664887	1000.0	881.2	M
1	3.308	3.308	0.000	63459442	1000.0	886.6	M
1	3.461	3.461	0.000	25575757	1000.0	859.0	M
1	3.575	3.575	0.000	16109824	1000.0	898.1	M
1	4.001	4.001	0.000	20399399	1000.0	875.5	M
1	4.139	4.139	0.000	23689420	1000.0	867.1	M
1	4.491	4.491	0.000	19863680	1000.0	885.6	M
		Average of Peak Amounts =				879.3	
2	1.924	1.924	0.000	15515531	1000.0	883.8	
2	2.244	2.244	0.000	27719243	1000.0	877.5	M
2	2.433	2.433	0.000	19884276	1000.0	891.4	M
2	2.684	2.684	0.000	57973447	1000.0	887.9	M
2	2.816	2.816	0.000	25837855	1000.0	887.0	M
2	2.880	2.880	0.000	17451226	1000.0	907.3	M
2	3.244	3.244	0.000	26464168	1000.0	883.8	M
2	3.658	3.658	0.000	16714636	1000.0	881.3	M
		Average of Peak Amounts =				887.5	
						RPD = 0.92	
8 PCB-1260							M
1	5.300	5.300	0.000	17709125	1000.0	886.3	M
1	5.490	5.490	0.000	43299182	1000.0	890.1	M
1	5.765	5.765	0.000	48480140	1000.0	891.7	M
1	6.394	6.394	0.000	31431074	1000.0	895.6	M
1	6.853	6.853	0.000	33502868	1000.0	902.7	M
1	7.298	7.298	0.000	79361266	1000.0	901.7	M
1	7.968	7.968	0.000	59951585	1000.0	914.8	
1	9.218	9.218	0.000	22028409	1000.0	920.4	
		Average of Peak Amounts =				900.4	
2	4.587	4.587	0.000	39632588	1000.0	884.3	M
2	5.212	5.212	0.000	74501517	1000.0	886.8	M
2	5.357	5.357	0.000	31160838	1000.0	853.2	M
2	5.647	5.647	0.000	33318993	1000.0	873.8	M
2	6.043	6.043	0.000	78752290	1000.0	884.7	M
2	6.438	6.438	0.000	44136064	1000.0	879.6	
2	6.576	6.576	0.000	23923596	1000.0	881.1	
2	7.465	7.465	0.000	20826895	1000.0	891.0	
		Average of Peak Amounts =				879.3	
						RPD = 2.37	
$ 11 DCB Decachlorobiphenyl							
1	10.114	10.114	0.000	71209954	100.0	90.3	
2	8.403	8.403	0.000	87297631	100.0	90.1	
						RPD = 0.20	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L3_00034	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:53:40 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561073.D

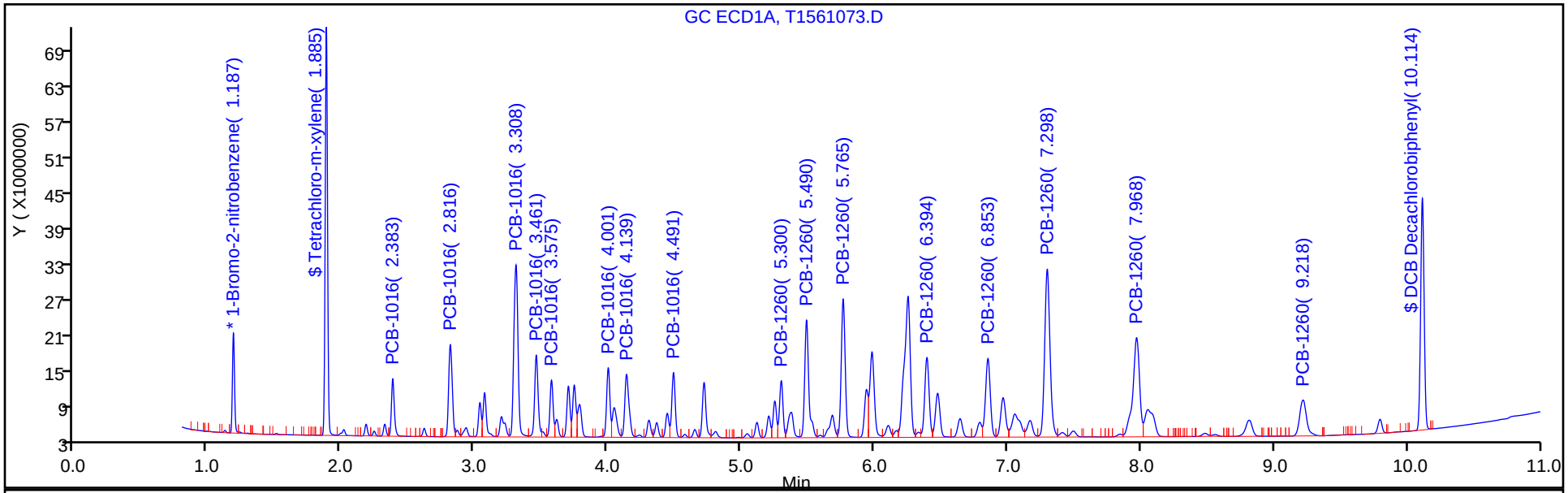
Injection Date: 17-Jun-2019 16:44:08 Instrument ID: CPESTGC11 Operator ID:

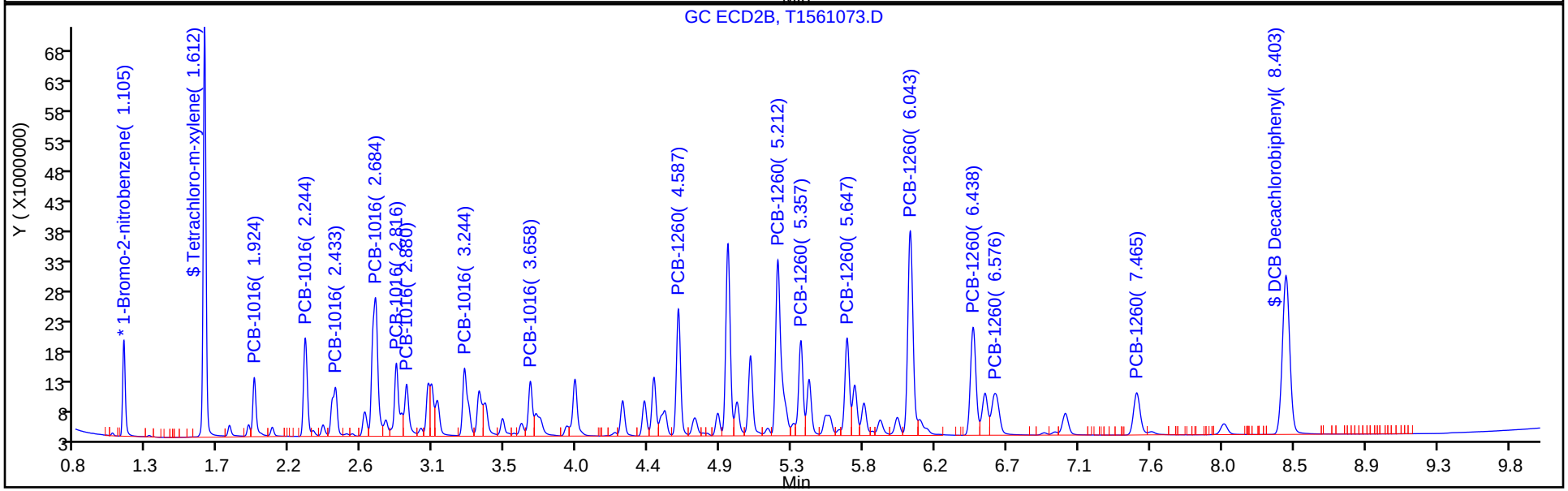
Lims ID: IC PCB3 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561074.D
Lims ID: IC PCB1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Jun-2019 17:01:21 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:53:45 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:30:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.187	0.001	17224365	20.0	20.0	M
2	1.106	1.105	0.001	16633197	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	1.886	1.885	0.001	9301844	12.5	11.3	
2	1.613	1.612	0.001	8713548	12.5	11.4	M
						RPD = 0.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.385	2.383	0.002	836584	50.0	54.2	
1	2.816	2.816	0.000	1721069	50.0	55.1	
1	3.307	3.308	-0.001	3495510	50.0	52.6	
1	3.461	3.461	0.000	1457240	50.0	52.7	
1	3.576	3.575	0.001	837651	50.0	50.3	
1	4.002	4.001	0.001	1210396	50.0	56.0	
1	4.137	4.139	-0.002	1417909	50.0	55.9	
1	4.490	4.491	-0.001	1128024	50.0	54.2	
		Average of Peak Amounts =				53.9	
2	1.926	1.924	0.002	857714	50.0	56.5	M
2	2.246	2.244	0.002	1579989	50.0	57.8	M
2	2.435	2.433	0.002	1051583	50.0	54.5	M
2	2.688	2.684	0.004	3010435	50.0	53.3	M
2	2.820	2.816	0.004	1369402	50.0	54.3	M
2	2.882	2.880	0.002	847852	50.0	50.9	M
2	3.246	3.244	0.002	1429395	50.0	55.2	M
2	3.658	3.658	0.000	913976	50.0	55.7	M
		Average of Peak Amounts =				54.8	
						RPD = 1.60	
8 PCB-1260							M
1	5.301	5.300	0.001	1011331	50.0	54.5	
1	5.489	5.490	-0.001	2431492	50.0	53.9	
1	5.764	5.765	-0.001	2699832	50.0	53.5	
1	6.392	6.394	-0.002	1741956	50.0	53.5	
1	6.851	6.853	-0.002	1780304	50.0	51.7	
1	7.296	7.298	-0.002	4215817	50.0	51.6	
1	7.968	7.968	0.000	3014474	50.0	49.6	
1	9.218	9.218	0.000	1093644	50.0	49.2	
		Average of Peak Amounts =				52.2	
2	4.588	4.587	0.001	2191504	50.0	56.5	M
2	5.212	5.212	0.000	3935545	50.0	54.1	M
2	5.355	5.357	-0.002	1966642	50.0	62.2	M
2	5.647	5.647	0.000	1880613	50.0	57.0	M
2	6.045	6.043	0.002	4165712	50.0	54.1	M
2	6.440	6.438	0.002	2391166	50.0	55.1	M
2	6.575	6.576	-0.001	1308815	50.0	55.7	M
2	7.466	7.465	0.001	1097138	50.0	54.2	
		Average of Peak Amounts =				56.1	
						RPD = 7.25	
$ 11 DCB Decachlorobiphenyl							
1	10.112	10.114	-0.002	9666228	12.5	13.2	
2	8.403	8.403	0.000	11140289	12.5	13.3	
						RPD = 0.60	
S 12 Polychlorinated biphenyls, Total							
1						106.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L1_00019	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:53:45 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561074.D

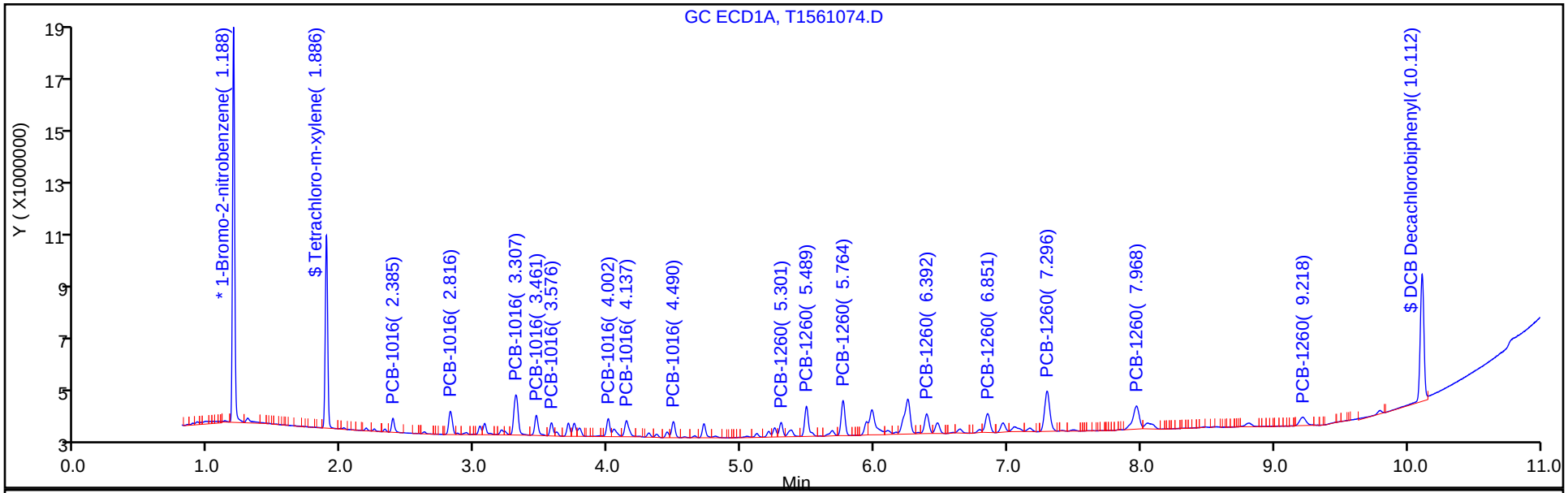
Injection Date: 17-Jun-2019 17:01:21 Instrument ID: CPESTGC11 Operator ID:

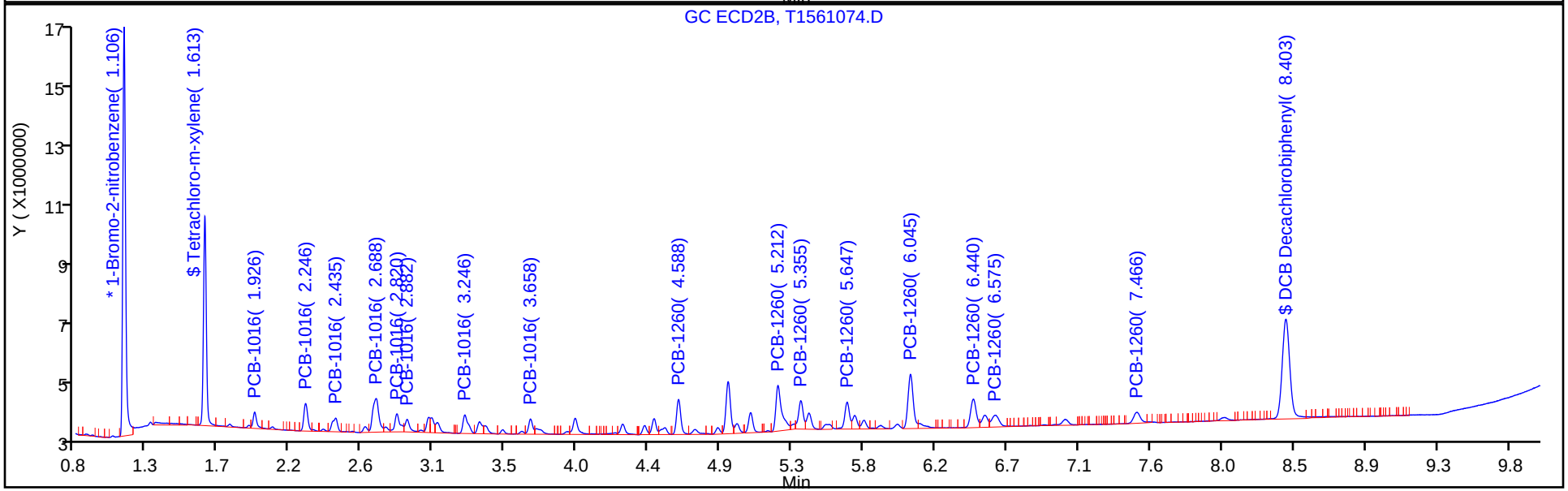
Lims ID: IC PCB1 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561075.D
Lims ID: IC PCB2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Jun-2019 17:18:33 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-004
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:53:50 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:31:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.187	1.187	0.000	18375207	20.0	20.0	M
2	1.105	1.105	0.000	18707426	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	1.885	1.885	0.000	47281705	50.0	53.7	
2	1.613	1.612	0.001	48380119	50.0	56.2	M
						RPD = 4.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.384	2.383	0.001	8484876	500.0	515.8	
1	2.815	2.816	-0.001	17228880	500.0	517.0	M
1	3.308	3.308	0.000	36526405	500.0	515.5	M
1	3.460	3.461	-0.001	15574597	500.0	528.4	M
1	3.575	3.575	0.000	9183429	500.0	517.2	M
1	4.000	4.001	-0.001	11860520	500.0	514.2	M
1	4.138	4.139	-0.001	13892356	500.0	513.7	M
1	4.490	4.491	-0.001	11417117	500.0	514.2	M
		Average of Peak Amounts =				517.0	
2	1.925	1.924	0.001	9234868	500.0	540.5	M
2	2.245	2.244	0.001	15885947	500.0	516.7	M
2	2.434	2.433	0.001	11491603	500.0	529.3	M
2	2.685	2.684	0.001	32573166	500.0	512.5	M
2	2.817	2.816	0.001	15099709	500.0	532.5	M
2	2.881	2.880	0.001	9912434	500.0	529.5	M
2	3.244	3.244	0.000	15166944	500.0	520.4	M
2	3.658	3.658	0.000	9660097	500.0	523.3	M
		Average of Peak Amounts =				525.6	
						RPD = 1.65	
8 PCB-1260							M
1	5.299	5.300	-0.001	10286972	500.0	520.0	
1	5.489	5.490	-0.001	24992292	500.0	519.0	
1	5.765	5.765	0.000	28014883	500.0	520.5	
1	6.392	6.394	-0.002	18177793	500.0	523.2	
1	6.849	6.853	-0.004	19276265	500.0	524.6	
1	7.295	7.298	-0.003	45119192	500.0	517.9	
1	7.966	7.968	-0.002	34137373	500.0	526.2	
1	9.215	9.218	-0.003	12477123	500.0	526.6	
		Average of Peak Amounts =				522.2	
2	4.587	4.587	0.000	22512330	500.0	516.1	M
2	5.211	5.212	-0.001	42089117	500.0	514.7	M
2	5.355	5.357	-0.002	18042209	500.0	507.5	M
2	5.645	5.647	-0.002	18820511	500.0	507.1	M
2	6.044	6.043	0.001	44064086	500.0	508.6	M
2	6.438	6.438	0.000	24812854	500.0	508.0	M
2	6.575	6.576	-0.001	13703422	500.0	518.5	M
2	7.464	7.465	-0.001	11618384	500.0	510.7	
		Average of Peak Amounts =				511.4	
						RPD = 2.10	
$ 11 DCB Decachlorobiphenyl							
1	10.111	10.114	-0.003	42299011	50.0	54.2	
2	8.401	8.403	-0.002	51262251	50.0	54.4	
						RPD = 0.34	
S 12 Polychlorinated biphenyls, Total							
1						1039.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L2_00028	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:53:50 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561075.D

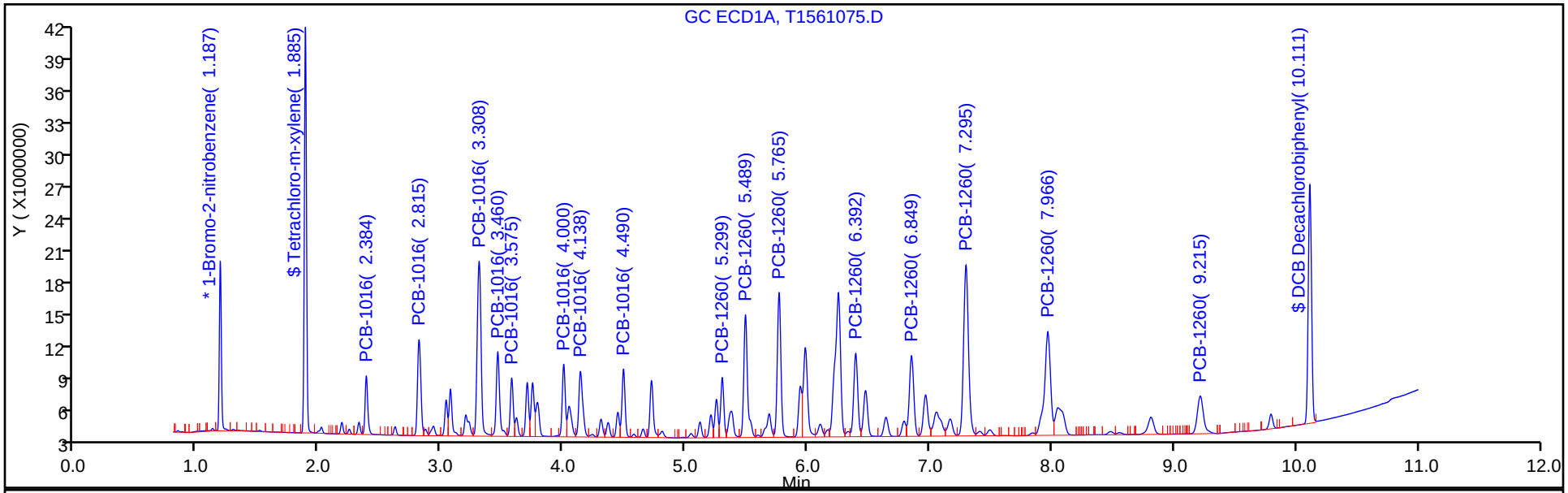
Injection Date: 17-Jun-2019 17:18:33 Instrument ID: CPESTGC11 Operator ID:

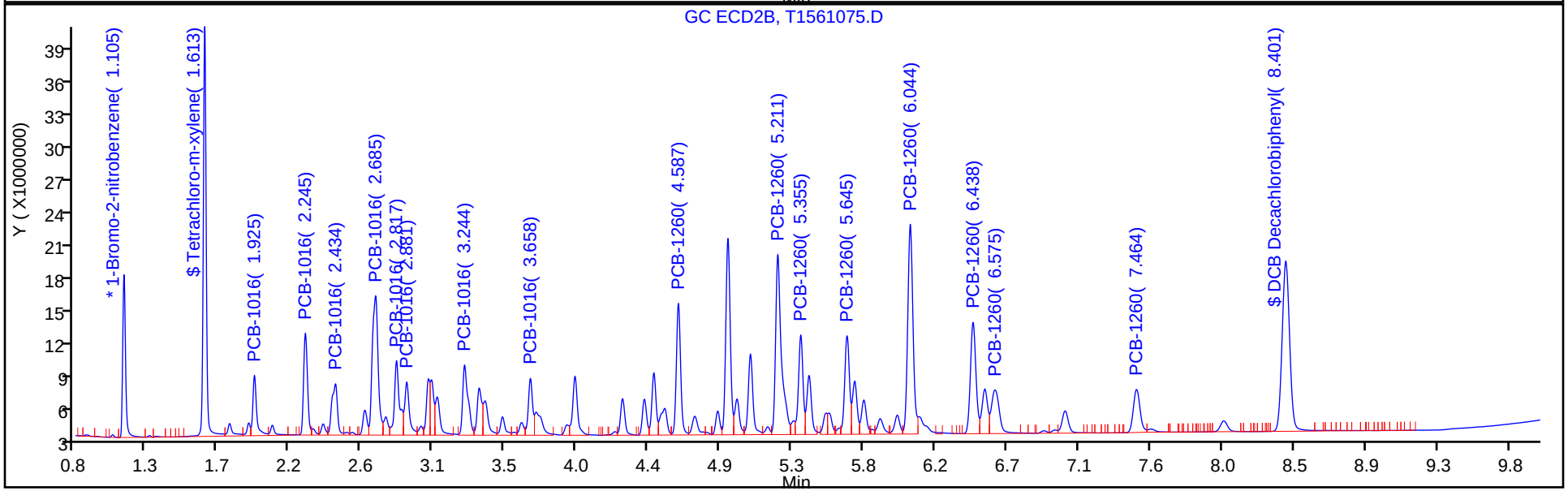
Lims ID: IC PCB2 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561076.D
Lims ID: IC PCB4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Jun-2019 17:35:47 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-005
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:53:55 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:32:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.187	1.187	0.000	18045823	20.0	20.0	M
2	1.106	1.105	0.001	18546633	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.884	1.885	-0.001	124792771	150.0	144.3	
2	1.612	1.612	0.000	120138247	150.0	140.8	
						RPD = 2.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.382	2.383	-0.001	23316114	1500.0	1443.1	
1	2.815	2.816	-0.001	46535104	1500.0	1421.9	M
1	3.307	3.308	-0.001	100209065	1500.0	1440.1	M
1	3.460	3.461	-0.001	41813291	1500.0	1444.4	M
1	3.573	3.575	-0.002	25544581	1500.0	1464.8	M
1	4.000	4.001	-0.001	31872176	1500.0	1406.9	M
1	4.137	4.139	-0.002	37595484	1500.0	1415.5	M
1	4.489	4.491	-0.002	31114218	1500.0	1426.9	M
		Average of Peak Amounts =				1433.0	
2	1.924	1.924	0.000	23827179	1500.0	1406.6	
2	2.244	2.244	0.000	42588981	1500.0	1397.2	M
2	2.433	2.433	0.000	30665003	1500.0	1424.6	M
2	2.683	2.684	-0.001	91170154	1500.0	1447.0	M
2	2.816	2.816	0.000	40164118	1500.0	1428.8	M
2	2.880	2.880	0.000	26739694	1500.0	1440.7	M
2	3.243	3.244	-0.001	40986677	1500.0	1418.5	M
2	3.657	3.658	-0.001	25823144	1500.0	1410.9	M
		Average of Peak Amounts =				1421.8	
						RPD = 0.78	
8 PCB-1260							M
1	5.297	5.300	-0.003	27474683	1500.0	1414.3	
1	5.487	5.490	-0.003	67015114	1500.0	1417.1	
1	5.762	5.765	-0.003	74969429	1500.0	1418.3	
1	6.392	6.394	-0.002	48311339	1500.0	1415.9	
1	6.847	6.853	-0.006	51718031	1500.0	1433.3	M
1	7.295	7.298	-0.003	123596490	1500.0	1444.5	M
1	7.963	7.968	-0.005	92812588	1500.0	1456.6	M
1	9.212	9.218	-0.006	34066236	1500.0	1464.1	
		Average of Peak Amounts =				1433.0	
2	4.587	4.587	0.000	60688526	1500.0	1403.2	M
2	5.209	5.212	-0.003	116094226	1500.0	1432.1	M
2	5.354	5.357	-0.003	47850311	1500.0	1357.7	M
2	5.645	5.647	-0.002	51995010	1500.0	1413.0	M
2	6.042	6.043	-0.001	123732309	1500.0	1440.4	M
2	6.436	6.438	-0.002	69134531	1500.0	1427.8	
2	6.572	6.576	-0.004	37035326	1500.0	1413.5	
2	7.462	7.465	-0.003	32339046	1500.0	1433.7	
		Average of Peak Amounts =				1415.2	
						RPD = 1.25	
$ 11 DCB Decachlorobiphenyl							
1	10.109	10.114	-0.005	104616110	150.0	136.4	
2	8.400	8.403	-0.003	127382075	150.0	136.2	
						RPD = 0.13	
S 12 Polychlorinated biphenyls, Total							
1						2866.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:53:55 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561076.D

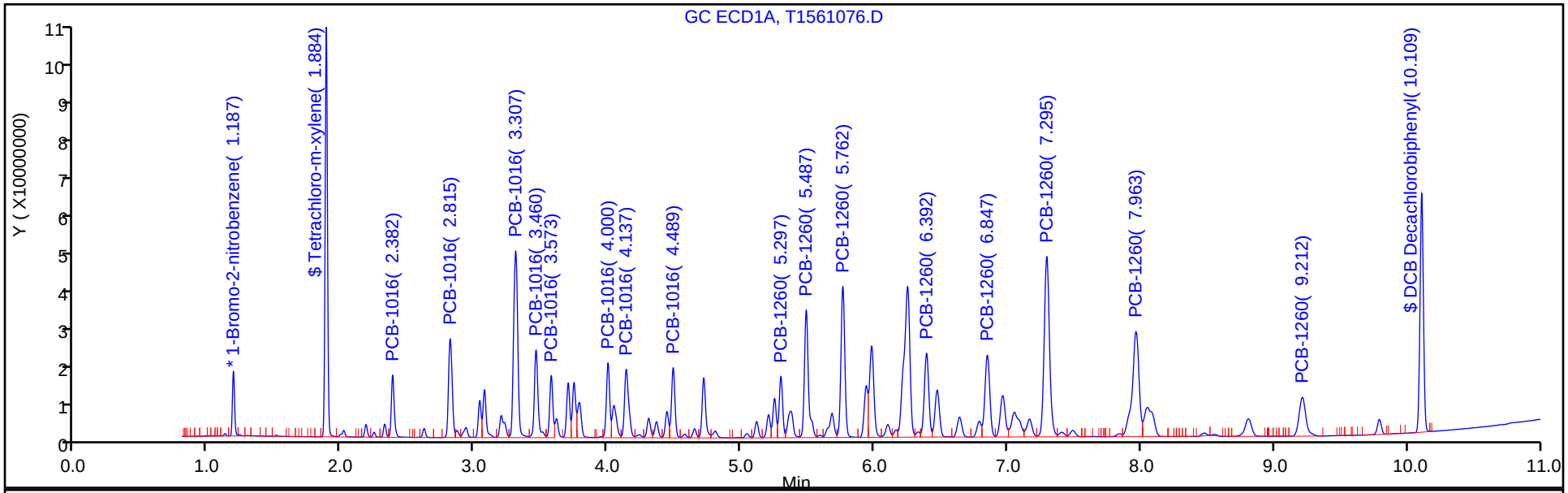
Injection Date: 17-Jun-2019 17:35:47 Instrument ID: CPESTGC11 Operator ID:

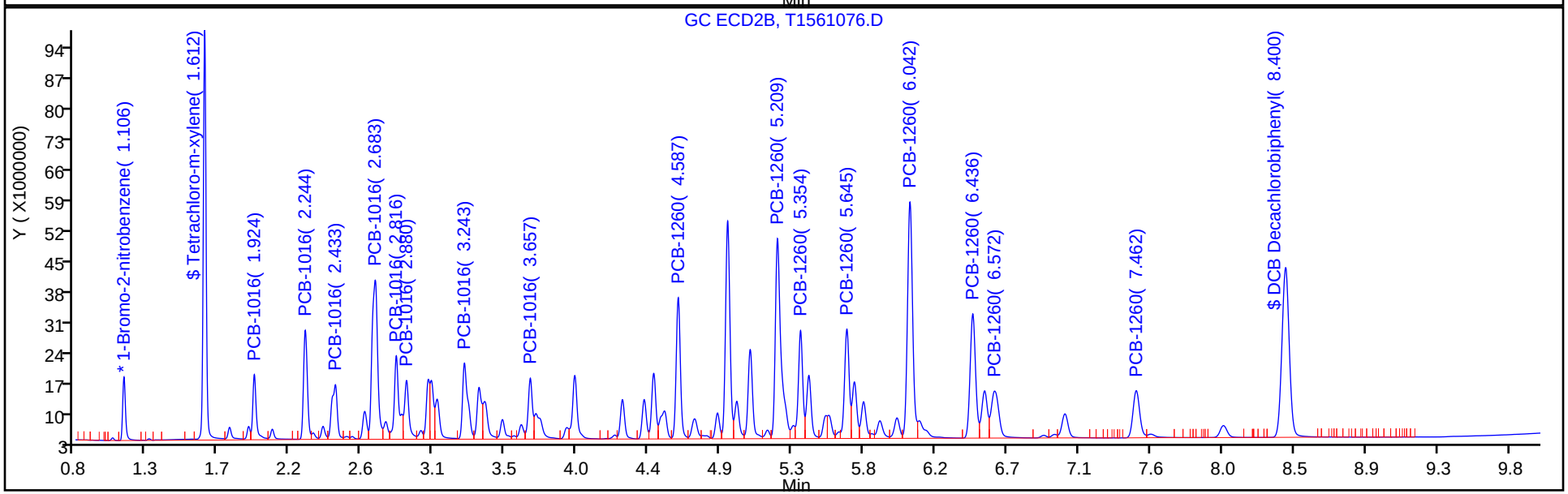
Lims ID: IC PCB4 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561077.D
Lims ID: IC PCB5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Jun-2019 17:53:02 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-006
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:00 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:33:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.187	1.187	0.000	17411058	20.0	20.0	M
2	1.106	1.105	0.001	18130966	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	1.885	1.885	0.000	184646259	200.0	221.4	
2	1.613	1.612	0.001	176242593	200.0	211.2	M
						RPD = 4.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.383	2.383	0.000	40528194	2500.0	2599.9	
1	2.814	2.816	-0.002	81706250	2500.0	2587.5	M
1	3.307	3.308	-0.001	179520038	2500.0	2674.0	M
1	3.459	3.461	-0.002	74464636	2500.0	2666.2	M
1	3.574	3.575	-0.001	45617230	2500.0	2711.2	M
1	4.000	4.001	-0.001	56755697	2500.0	2596.7	M
1	4.136	4.139	-0.003	66828533	2500.0	2607.9	M
1	4.490	4.491	-0.001	55268066	2500.0	2627.0	M
		Average of Peak Amounts =				2633.8	
2	1.924	1.924	0.000	40091810	2500.0	2421.0	M
2	2.244	2.244	0.000	74624217	2500.0	2504.3	M
2	2.433	2.433	0.000	53180706	2500.0	2527.2	M
2	2.683	2.684	-0.001	162743995	2500.0	2642.2	M
2	2.815	2.816	-0.001	69318084	2500.0	2522.5	M
2	2.880	2.880	0.000	47836978	2500.0	2636.5	M
2	3.244	3.244	0.000	72497974	2500.0	2566.5	M
2	3.656	3.658	-0.002	45530391	2500.0	2544.8	M
		Average of Peak Amounts =				2545.6	
						RPD = 3.41	
8 PCB-1260							M
1	5.298	5.300	-0.002	48730042	2500.0	2599.9	M
1	5.488	5.490	-0.002	119750628	2500.0	2624.5	M
1	5.763	5.765	-0.002	134084216	2500.0	2629.1	M
1	6.391	6.394	-0.003	85955966	2500.0	2611.0	M
1	6.849	6.853	-0.004	92154151	2500.0	2647.0	M
1	7.293	7.298	-0.005	220248405	2500.0	2667.9	M
1	7.964	7.968	-0.004	164521990	2500.0	2676.2	
1	9.214	9.218	-0.004	59797791	2500.0	2663.6	
		Average of Peak Amounts =				2639.9	
2	4.586	4.587	-0.001	107611723	2500.0	2545.2	M
2	5.210	5.212	-0.002	207313510	2500.0	2616.0	M
2	5.355	5.357	-0.002	84593233	2500.0	2455.3	M
2	5.645	5.647	-0.002	92653592	2500.0	2575.7	M
2	6.041	6.043	-0.002	221793927	2500.0	2641.2	M
2	6.436	6.438	-0.002	124395658	2500.0	2628.0	M
2	6.576	6.576	0.000	65674085	2500.0	2564.0	M
2	7.463	7.465	-0.002	57725571	2500.0	2617.9	
		Average of Peak Amounts =				2580.4	
						RPD = 2.28	
$ 11 DCB Decachlorobiphenyl							
1	10.111	10.114	-0.003	155113486	200.0	209.6	
2	8.400	8.403	-0.003	190329033	200.0	208.2	
						RPD = 0.68	
S 12 Polychlorinated biphenyls, Total							
1						5273.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L5_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:01 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561077.D

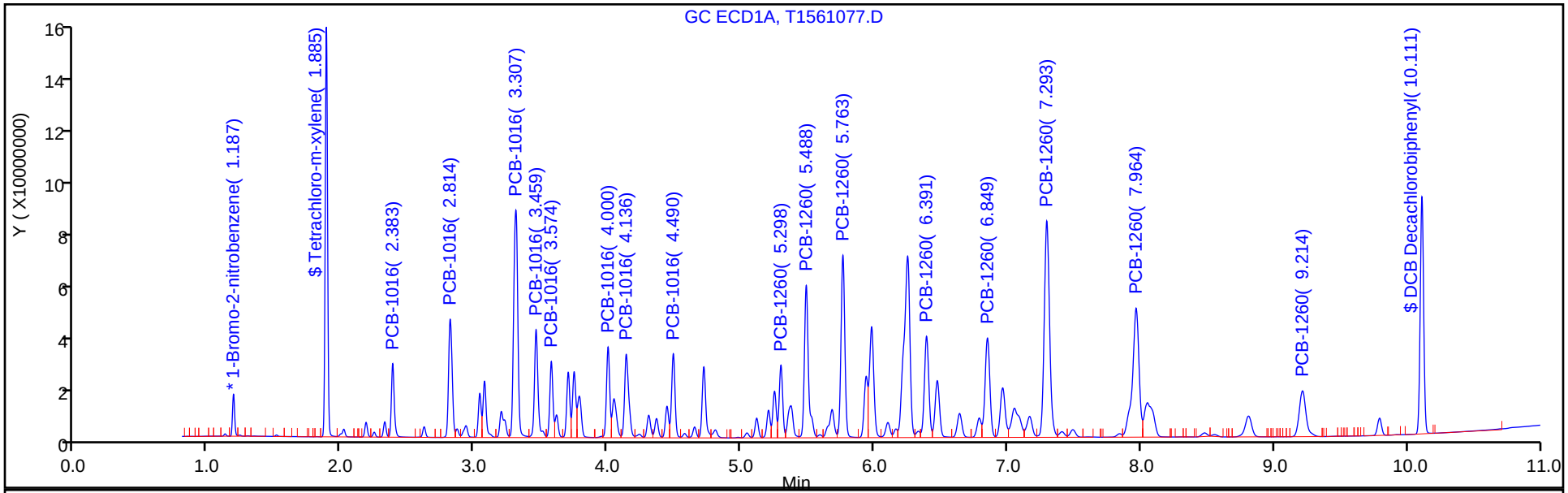
Injection Date: 17-Jun-2019 17:53:02 Instrument ID: CPESTGC11 Operator ID:

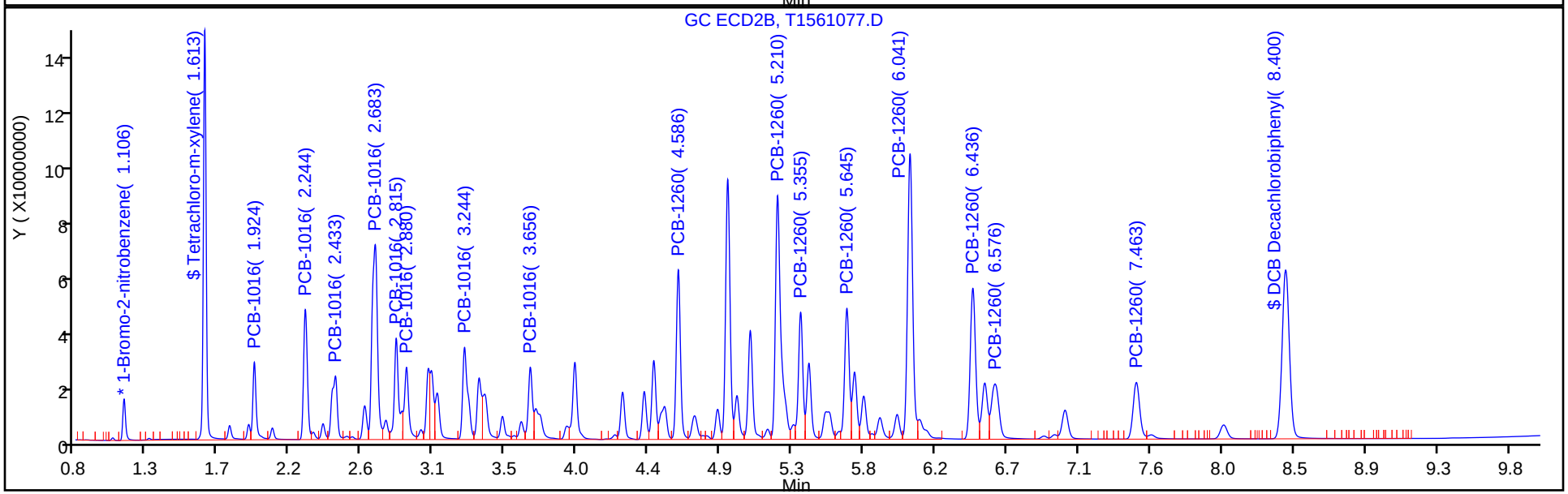
Lims ID: IC PCB5 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 16:44 Calibration End Date: 06/17/2019 17:53 Calibration ID: 75315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/3	T1561074.D
Level 2	IC 460-618192/4	T1561075.D
Level 3	IC 460-618192/2	T1561073.D
Level 4	IC 460-618192/5	T1561076.D
Level 5	IC 460-618192/6	T1561077.D

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								
PCB-1016 Peak 1	0.0206	0.0197	0.0161	0.0171	0.0177	Ave		0.0183				10.2		20.0			0.9900
PCB-1016 Peak 2	0.0380	0.0340	0.0288	0.0306	0.0329	Ave		0.0329				10.6		20.0			0.9900
PCB-1016 Peak 3	0.0253	0.0246	0.0207	0.0220	0.0235	Ave		0.0232				8.0		20.0			0.9900
PCB-1016 Peak 4	0.0724	0.0696	0.0603	0.0655	0.0718	Ave		0.0679				7.4		20.0			0.9900
PCB-1016 Peak 5	0.0329	0.0323	0.0269	0.0289	0.0306	Ave		0.0303				8.2		20.0			0.9900
PCB-1016 Peak 6	0.0204	0.0212	0.0182	0.0192	0.0211	Ave		0.0200				6.5		20.0			0.9900
PCB-1016 Peak 7	0.0344	0.0324	0.0275	0.0295	0.0320	Ave		0.0312				8.6		20.0			0.9900
PCB-1016 Peak 8	0.0220	0.0207	0.0174	0.0186	0.0201	Ave		0.0197				9.1		20.0			0.9900
PCB-1260 Peak 1	0.0527	0.0481	0.0412	0.0436	0.0475	Ave		0.0466				9.5		20.0			0.9900
PCB-1260 Peak 2	0.0946	0.0900	0.0775	0.0835	0.0915	Ave		0.0874				7.9		20.0			0.9900
PCB-1260 Peak 3	0.0473	0.0386	0.0324	0.0344	0.0373	Ave		0.0380				15.1		20.0			0.9900
PCB-1260 Peak 4	0.0452	0.0402	0.0347	0.0374	0.0409	Ave		0.0397				10.0		20.0			0.9900
PCB-1260 Peak 5	0.1002	0.0942	0.0819	0.0890	0.0979	Ave		0.0926				7.9		20.0			0.9900
PCB-1260 Peak 6	0.0575	0.0531	0.0459	0.0497	0.0549	Ave		0.0522				8.7		20.0			0.9900
PCB-1260 Peak 7	0.0315	0.0293	0.0249	0.0266	0.0290	Ave		0.0283				9.0		20.0			0.9900
PCB-1260 Peak 8	0.0264	0.0248	0.0217	0.0232	0.0255	Ave		0.0243				7.7		20.0			0.9900
Tetrachloro-m-xylene	0.8382	1.0345	0.8935	0.8637	0.9721	Ave		0.9204				8.8		20.0			0.9900
DCB Decachlorobiphenyl	1.0716	1.0961	0.9084	0.9158	1.0497	Ave		1.0083				8.9		20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 16:44 Calibration End Date: 06/17/2019 17:53 Calibration ID: 75315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/3	T1561074.D
Level 2	IC 460-618192/4	T1561075.D
Level 3	IC 460-618192/2	T1561073.D
Level 4	IC 460-618192/5	T1561076.D
Level 5	IC 460-618192/6	T1561077.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	857714	9234868	15515531	23827179	40091810	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	1579989	15885947	27719243	42588981	74624217	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	1051583	11491603	19884276	30665003	53180706	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	3010435	32573166	57973447	91170154	162743995	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	1369402	15099709	25837855	40164118	69318084	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	847852	9912434	17451226	26739694	47836978	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	1429395	15166944	26464168	40986677	72497974	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	913976	9660097	16714636	25823144	45530391	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	2191504	22512330	39632588	60688526	107611723	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	3935545	42089117	74501517	116094226	207313510	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	1966642	18042209	31160838	47850311	84593233	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	1880613	18820511	33318993	51995010	92653592	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	4165712	44064086	78752290	123732309	221793927	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	2391166	24812854	44136064	69134531	124395658	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	1308815	13703422	23923596	37035326	65674085	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	1097138	11618384	20826895	32339046	57725571	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	8713548	48380119	85869485	120138247	176242593	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	11140289	51262251	87297631	127382075	190329033	12.5	50.0	100	150	200

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561073.D
Lims ID: IC PCB3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 17-Jun-2019 16:44:08 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:53:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 17-Jun-2019 17:01:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.187	1.187	0.000	18561703	20.0	20.0	
2	1.105	1.105	0.000	19220304	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.885	1.885	0.000	84909158	100.0	95.5	
2	1.612	1.612	0.000	85869485	100.0	97.1	
						RPD = 1.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.383	2.383	0.000	14648472	1000.0	881.5	
1	2.816	2.816	0.000	29664887	1000.0	881.2	M
1	3.308	3.308	0.000	63459442	1000.0	886.6	M
1	3.461	3.461	0.000	25575757	1000.0	859.0	M
1	3.575	3.575	0.000	16109824	1000.0	898.1	M
1	4.001	4.001	0.000	20399399	1000.0	875.5	M
1	4.139	4.139	0.000	23689420	1000.0	867.1	M
1	4.491	4.491	0.000	19863680	1000.0	885.6	M
		Average of Peak Amounts =				879.3	
2	1.924	1.924	0.000	15515531	1000.0	883.8	
2	2.244	2.244	0.000	27719243	1000.0	877.5	M
2	2.433	2.433	0.000	19884276	1000.0	891.4	M
2	2.684	2.684	0.000	57973447	1000.0	887.9	M
2	2.816	2.816	0.000	25837855	1000.0	887.0	M
2	2.880	2.880	0.000	17451226	1000.0	907.3	M
2	3.244	3.244	0.000	26464168	1000.0	883.8	M
2	3.658	3.658	0.000	16714636	1000.0	881.3	M
		Average of Peak Amounts =				887.5	
						RPD = 0.92	
8 PCB-1260							M
1	5.300	5.300	0.000	17709125	1000.0	886.3	M
1	5.490	5.490	0.000	43299182	1000.0	890.1	M
1	5.765	5.765	0.000	48480140	1000.0	891.7	M
1	6.394	6.394	0.000	31431074	1000.0	895.6	M
1	6.853	6.853	0.000	33502868	1000.0	902.7	M
1	7.298	7.298	0.000	79361266	1000.0	901.7	M
1	7.968	7.968	0.000	59951585	1000.0	914.8	
1	9.218	9.218	0.000	22028409	1000.0	920.4	
		Average of Peak Amounts =				900.4	
2	4.587	4.587	0.000	39632588	1000.0	884.3	M
2	5.212	5.212	0.000	74501517	1000.0	886.8	M
2	5.357	5.357	0.000	31160838	1000.0	853.2	M
2	5.647	5.647	0.000	33318993	1000.0	873.8	M
2	6.043	6.043	0.000	78752290	1000.0	884.7	M
2	6.438	6.438	0.000	44136064	1000.0	879.6	
2	6.576	6.576	0.000	23923596	1000.0	881.1	
2	7.465	7.465	0.000	20826895	1000.0	891.0	
		Average of Peak Amounts =				879.3	
						RPD = 2.37	
$ 11 DCB Decachlorobiphenyl							
1	10.114	10.114	0.000	71209954	100.0	90.3	
2	8.403	8.403	0.000	87297631	100.0	90.1	
						RPD = 0.20	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L3_00034	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:53:40 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561073.D

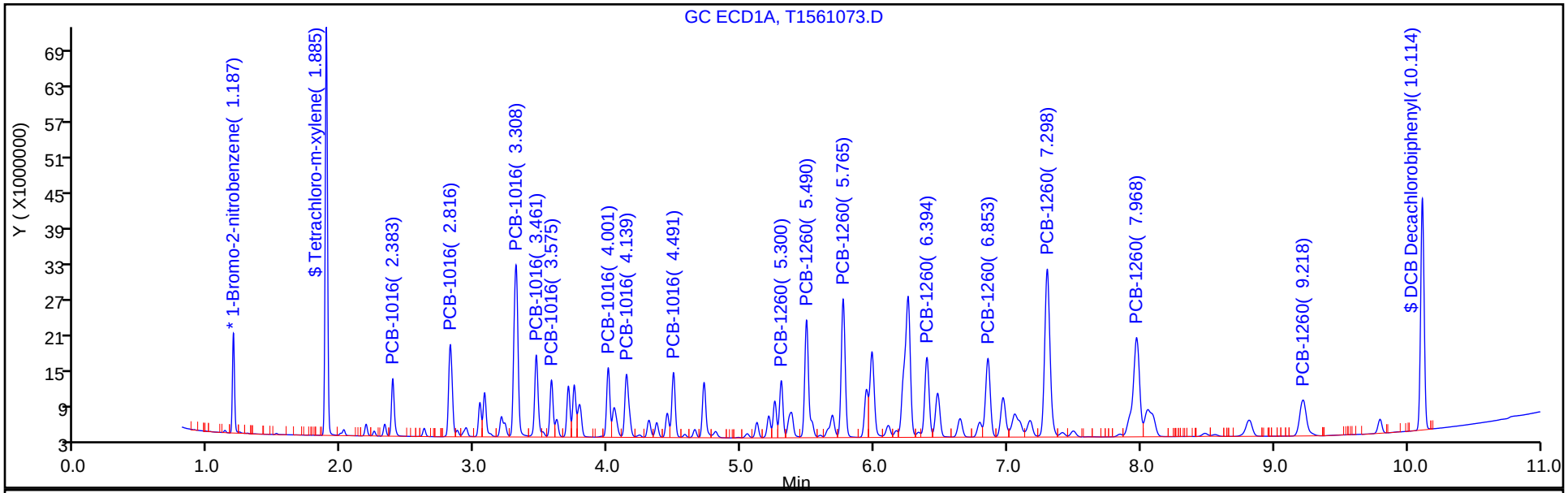
Injection Date: 17-Jun-2019 16:44:08 Instrument ID: CPESTGC11 Operator ID:

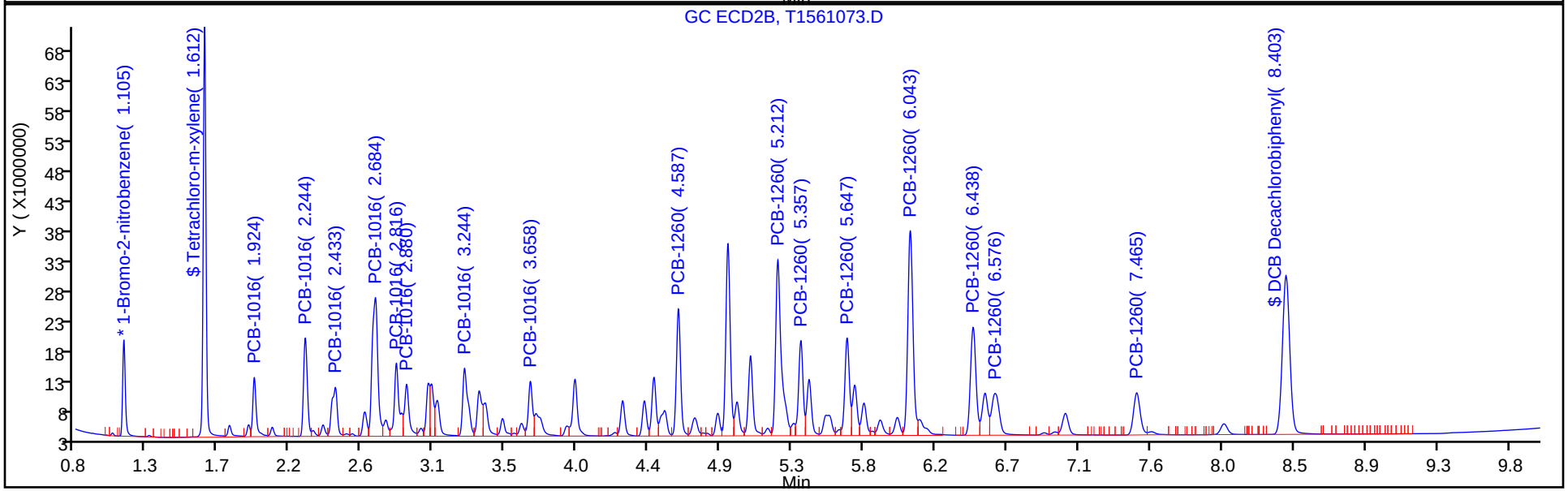
Lims ID: IC PCB3 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561074.D
Lims ID: IC PCB1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Jun-2019 17:01:21 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:53:45 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:30:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.187	0.001	17224365	20.0	20.0	M
2	1.106	1.105	0.001	16633197	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	1.886	1.885	0.001	9301844	12.5	11.3	
2	1.613	1.612	0.001	8713548	12.5	11.4	M
						RPD = 0.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.385	2.383	0.002	836584	50.0	54.2	
1	2.816	2.816	0.000	1721069	50.0	55.1	
1	3.307	3.308	-0.001	3495510	50.0	52.6	
1	3.461	3.461	0.000	1457240	50.0	52.7	
1	3.576	3.575	0.001	837651	50.0	50.3	
1	4.002	4.001	0.001	1210396	50.0	56.0	
1	4.137	4.139	-0.002	1417909	50.0	55.9	
1	4.490	4.491	-0.001	1128024	50.0	54.2	
		Average of Peak Amounts =				53.9	
2	1.926	1.924	0.002	857714	50.0	56.5	M
2	2.246	2.244	0.002	1579989	50.0	57.8	M
2	2.435	2.433	0.002	1051583	50.0	54.5	M
2	2.688	2.684	0.004	3010435	50.0	53.3	M
2	2.820	2.816	0.004	1369402	50.0	54.3	M
2	2.882	2.880	0.002	847852	50.0	50.9	M
2	3.246	3.244	0.002	1429395	50.0	55.2	M
2	3.658	3.658	0.000	913976	50.0	55.7	M
		Average of Peak Amounts =				54.8	
						RPD = 1.60	
8 PCB-1260							M
1	5.301	5.300	0.001	1011331	50.0	54.5	
1	5.489	5.490	-0.001	2431492	50.0	53.9	
1	5.764	5.765	-0.001	2699832	50.0	53.5	
1	6.392	6.394	-0.002	1741956	50.0	53.5	
1	6.851	6.853	-0.002	1780304	50.0	51.7	
1	7.296	7.298	-0.002	4215817	50.0	51.6	
1	7.968	7.968	0.000	3014474	50.0	49.6	
1	9.218	9.218	0.000	1093644	50.0	49.2	
		Average of Peak Amounts =				52.2	
2	4.588	4.587	0.001	2191504	50.0	56.5	M
2	5.212	5.212	0.000	3935545	50.0	54.1	M
2	5.355	5.357	-0.002	1966642	50.0	62.2	M
2	5.647	5.647	0.000	1880613	50.0	57.0	M
2	6.045	6.043	0.002	4165712	50.0	54.1	M
2	6.440	6.438	0.002	2391166	50.0	55.1	M
2	6.575	6.576	-0.001	1308815	50.0	55.7	M
2	7.466	7.465	0.001	1097138	50.0	54.2	
		Average of Peak Amounts =				56.1	
						RPD = 7.25	
$ 11 DCB Decachlorobiphenyl							
1	10.112	10.114	-0.002	9666228	12.5	13.2	
2	8.403	8.403	0.000	11140289	12.5	13.3	
						RPD = 0.60	
S 12 Polychlorinated biphenyls, Total							
1						106.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L1_00019	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:53:46 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561074.D

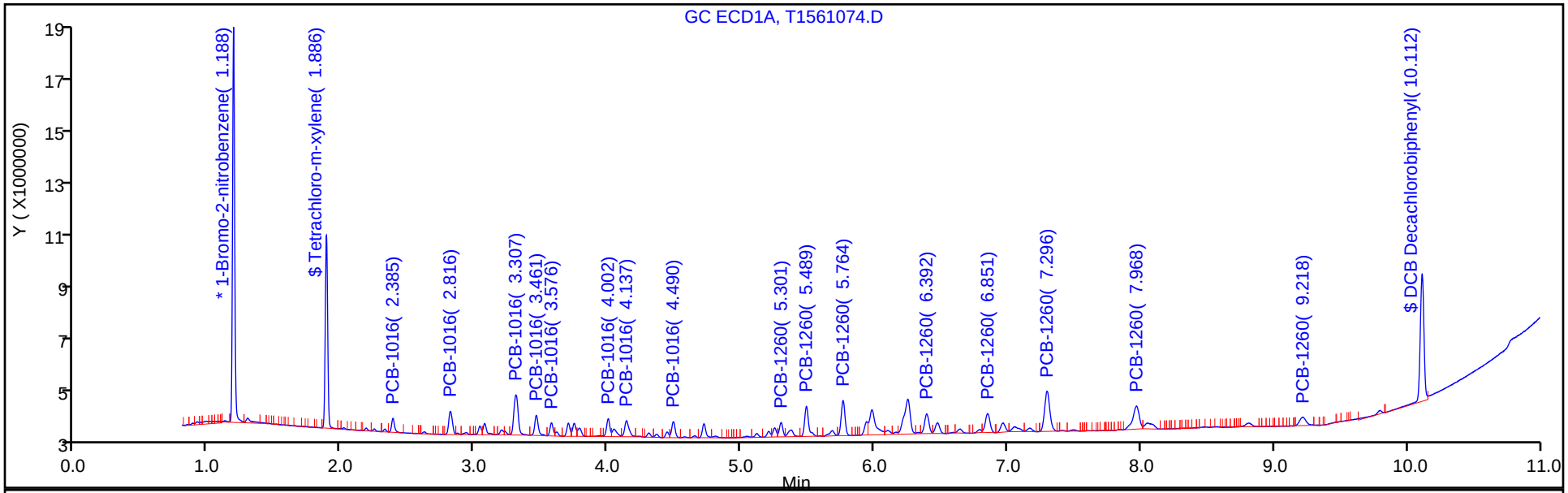
Injection Date: 17-Jun-2019 17:01:21 Instrument ID: CPESTGC11 Operator ID:

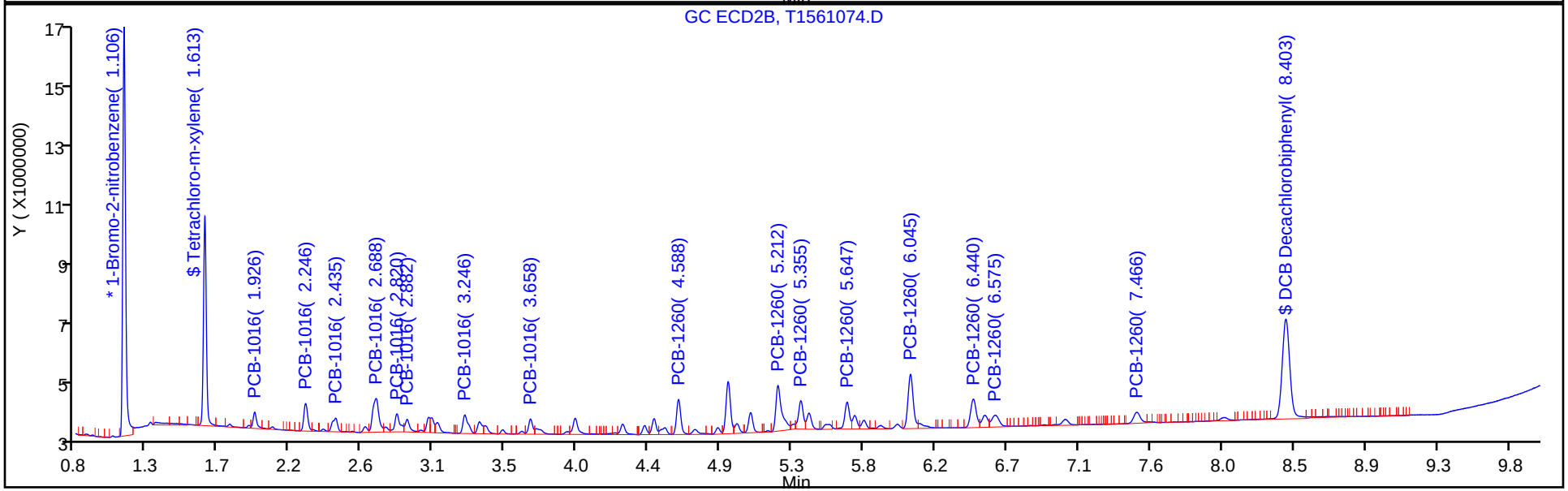
Lims ID: IC PCB1 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561075.D
Lims ID: IC PCB2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Jun-2019 17:18:33 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-004
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:53:50 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:31:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.187	1.187	0.000	18375207	20.0	20.0	M
2	1.105	1.105	0.000	18707426	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	1.885	1.885	0.000	47281705	50.0	53.7	
2	1.613	1.612	0.001	48380119	50.0	56.2	M
						RPD = 4.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.384	2.383	0.001	8484876	500.0	515.8	
1	2.815	2.816	-0.001	17228880	500.0	517.0	M
1	3.308	3.308	0.000	36526405	500.0	515.5	M
1	3.460	3.461	-0.001	15574597	500.0	528.4	M
1	3.575	3.575	0.000	9183429	500.0	517.2	M
1	4.000	4.001	-0.001	11860520	500.0	514.2	M
1	4.138	4.139	-0.001	13892356	500.0	513.7	M
1	4.490	4.491	-0.001	11417117	500.0	514.2	M
		Average of Peak Amounts =				517.0	
2	1.925	1.924	0.001	9234868	500.0	540.5	M
2	2.245	2.244	0.001	15885947	500.0	516.7	M
2	2.434	2.433	0.001	11491603	500.0	529.3	M
2	2.685	2.684	0.001	32573166	500.0	512.5	M
2	2.817	2.816	0.001	15099709	500.0	532.5	M
2	2.881	2.880	0.001	9912434	500.0	529.5	M
2	3.244	3.244	0.000	15166944	500.0	520.4	M
2	3.658	3.658	0.000	9660097	500.0	523.3	M
		Average of Peak Amounts =				525.6	
						RPD = 1.65	
8 PCB-1260							M
1	5.299	5.300	-0.001	10286972	500.0	520.0	
1	5.489	5.490	-0.001	24992292	500.0	519.0	
1	5.765	5.765	0.000	28014883	500.0	520.5	
1	6.392	6.394	-0.002	18177793	500.0	523.2	
1	6.849	6.853	-0.004	19276265	500.0	524.6	
1	7.295	7.298	-0.003	45119192	500.0	517.9	
1	7.966	7.968	-0.002	34137373	500.0	526.2	
1	9.215	9.218	-0.003	12477123	500.0	526.6	
		Average of Peak Amounts =				522.2	
2	4.587	4.587	0.000	22512330	500.0	516.1	M
2	5.211	5.212	-0.001	42089117	500.0	514.7	M
2	5.355	5.357	-0.002	18042209	500.0	507.5	M
2	5.645	5.647	-0.002	18820511	500.0	507.1	M
2	6.044	6.043	0.001	44064086	500.0	508.6	M
2	6.438	6.438	0.000	24812854	500.0	508.0	M
2	6.575	6.576	-0.001	13703422	500.0	518.5	M
2	7.464	7.465	-0.001	11618384	500.0	510.7	
		Average of Peak Amounts =				511.4	
						RPD = 2.10	
$ 11 DCB Decachlorobiphenyl							
1	10.111	10.114	-0.003	42299011	50.0	54.2	
2	8.401	8.403	-0.002	51262251	50.0	54.4	
						RPD = 0.34	
S 12 Polychlorinated biphenyls, Total							
1						1039.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L2_00028	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:53:51 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561075.D

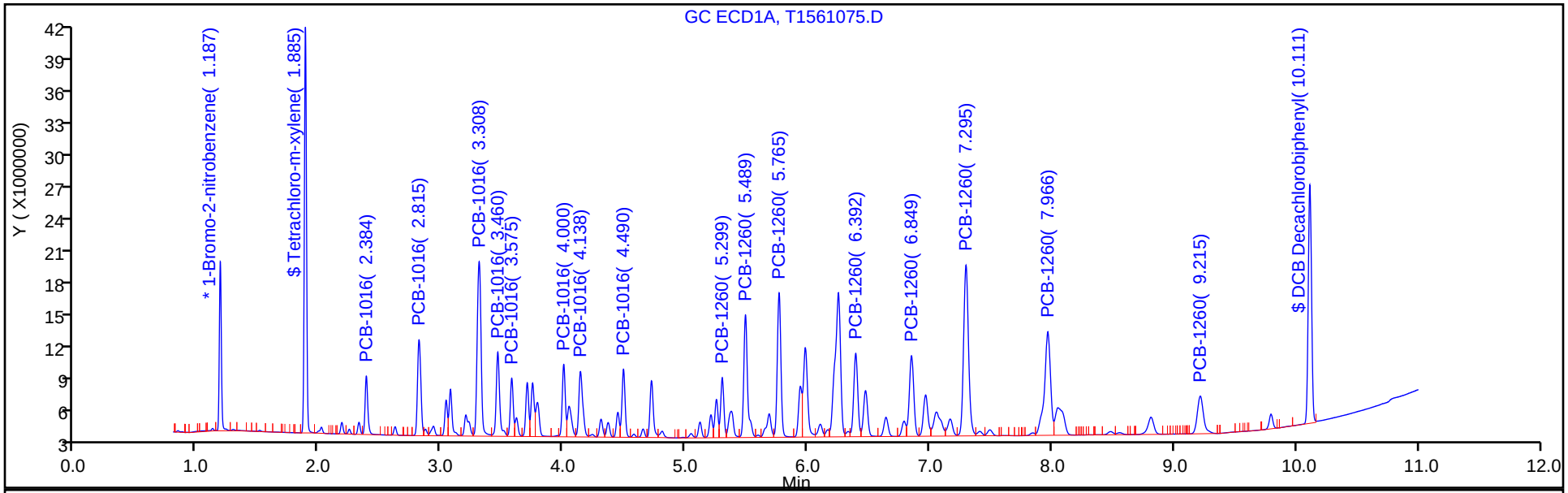
Injection Date: 17-Jun-2019 17:18:33 Instrument ID: CPESTGC11 Operator ID:

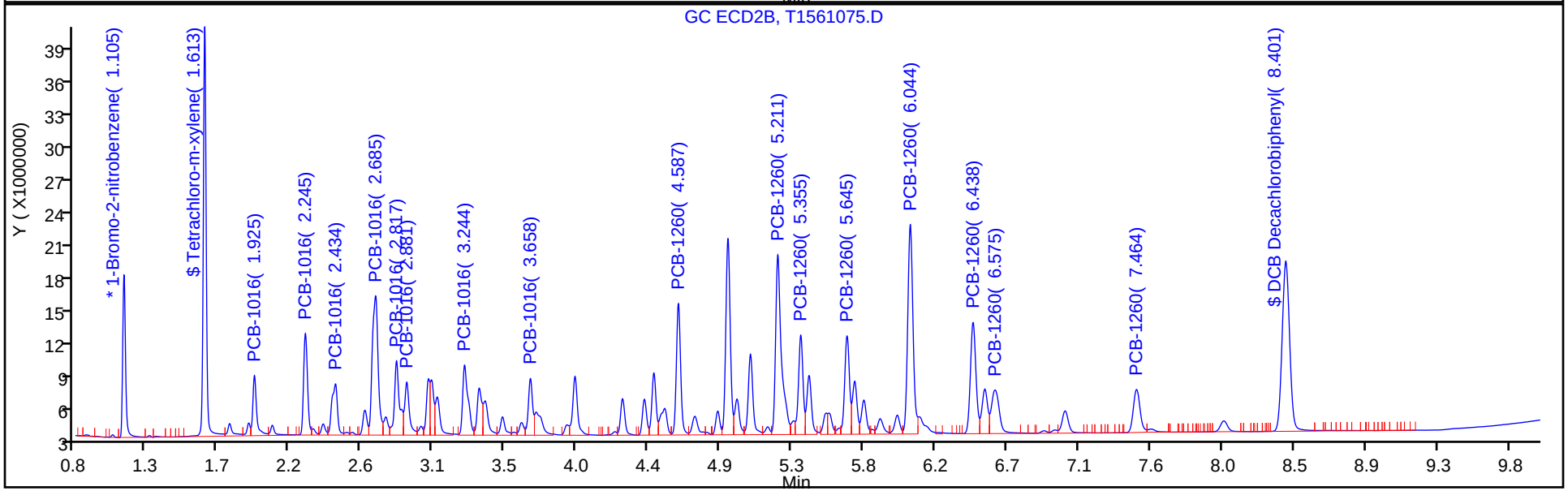
Lims ID: IC PCB2 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561076.D
Lims ID: IC PCB4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Jun-2019 17:35:47 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-005
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:53:55 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:32:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.187	1.187	0.000	18045823	20.0	20.0	M
2	1.106	1.105	0.001	18546633	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.884	1.885	-0.001	124792771	150.0	144.3	
2	1.612	1.612	0.000	120138247	150.0	140.8	
						RPD = 2.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.382	2.383	-0.001	23316114	1500.0	1443.1	
1	2.815	2.816	-0.001	46535104	1500.0	1421.9	M
1	3.307	3.308	-0.001	100209065	1500.0	1440.1	M
1	3.460	3.461	-0.001	41813291	1500.0	1444.4	M
1	3.573	3.575	-0.002	25544581	1500.0	1464.8	M
1	4.000	4.001	-0.001	31872176	1500.0	1406.9	M
1	4.137	4.139	-0.002	37595484	1500.0	1415.5	M
1	4.489	4.491	-0.002	31114218	1500.0	1426.9	M
		Average of Peak Amounts =				1433.0	
2	1.924	1.924	0.000	23827179	1500.0	1406.6	
2	2.244	2.244	0.000	42588981	1500.0	1397.2	M
2	2.433	2.433	0.000	30665003	1500.0	1424.6	M
2	2.683	2.684	-0.001	91170154	1500.0	1447.0	M
2	2.816	2.816	0.000	40164118	1500.0	1428.8	M
2	2.880	2.880	0.000	26739694	1500.0	1440.7	M
2	3.243	3.244	-0.001	40986677	1500.0	1418.5	M
2	3.657	3.658	-0.001	25823144	1500.0	1410.9	M
		Average of Peak Amounts =				1421.8	
						RPD = 0.78	
8 PCB-1260							M
1	5.297	5.300	-0.003	27474683	1500.0	1414.3	
1	5.487	5.490	-0.003	67015114	1500.0	1417.1	
1	5.762	5.765	-0.003	74969429	1500.0	1418.3	
1	6.392	6.394	-0.002	48311339	1500.0	1415.9	
1	6.847	6.853	-0.006	51718031	1500.0	1433.3	M
1	7.295	7.298	-0.003	123596490	1500.0	1444.5	M
1	7.963	7.968	-0.005	92812588	1500.0	1456.6	M
1	9.212	9.218	-0.006	34066236	1500.0	1464.1	
		Average of Peak Amounts =				1433.0	
2	4.587	4.587	0.000	60688526	1500.0	1403.2	M
2	5.209	5.212	-0.003	116094226	1500.0	1432.1	M
2	5.354	5.357	-0.003	47850311	1500.0	1357.7	M
2	5.645	5.647	-0.002	51995010	1500.0	1413.0	M
2	6.042	6.043	-0.001	123732309	1500.0	1440.4	M
2	6.436	6.438	-0.002	69134531	1500.0	1427.8	
2	6.572	6.576	-0.004	37035326	1500.0	1413.5	
2	7.462	7.465	-0.003	32339046	1500.0	1433.7	
		Average of Peak Amounts =				1415.2	
						RPD = 1.25	
$ 11 DCB Decachlorobiphenyl							
1	10.109	10.114	-0.005	104616110	150.0	136.4	
2	8.400	8.403	-0.003	127382075	150.0	136.2	
						RPD = 0.13	
S 12 Polychlorinated biphenyls, Total							
1						2866.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:53:56 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561076.D

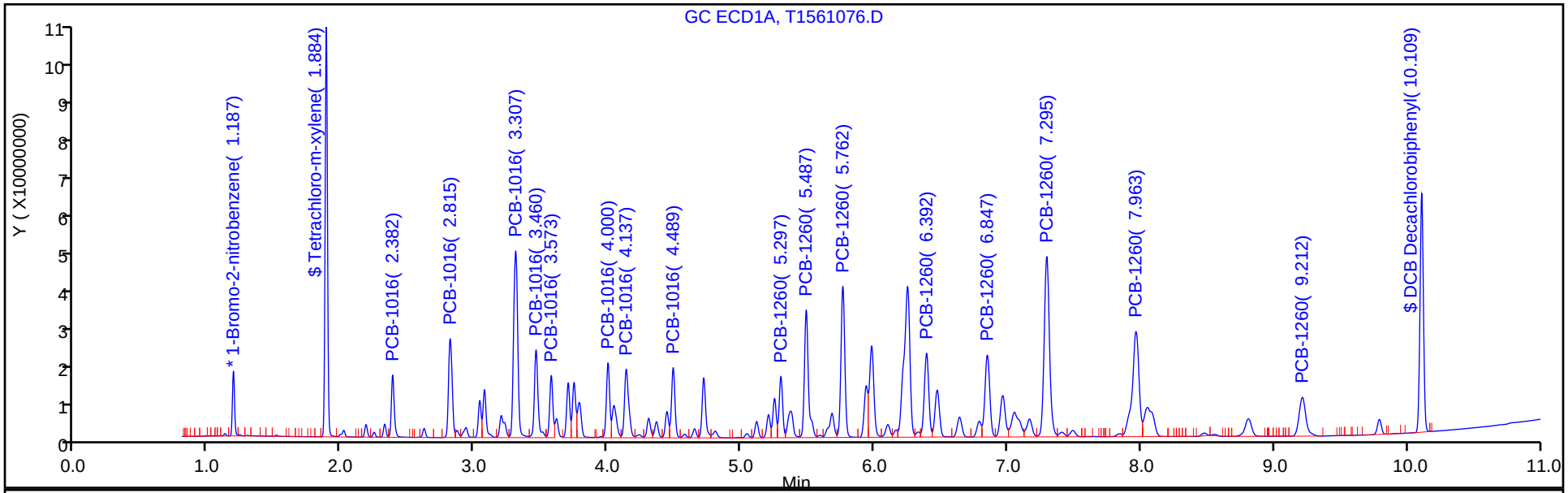
Injection Date: 17-Jun-2019 17:35:47 Instrument ID: CPESTGC11 Operator ID:

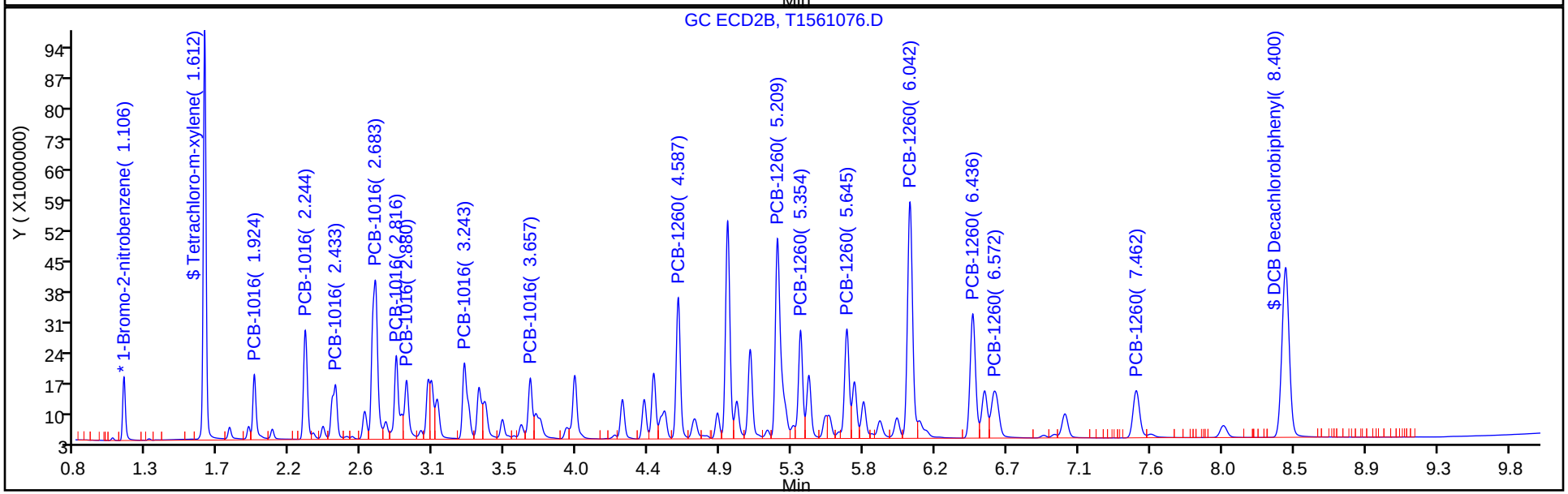
Lims ID: IC PCB4 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561077.D
Lims ID: IC PCB5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Jun-2019 17:53:02 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-006
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:00 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:33:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.187	1.187	0.000	17411058	20.0	20.0	M
2	1.106	1.105	0.001	18130966	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	1.885	1.885	0.000	184646259	200.0	221.4	
2	1.613	1.612	0.001	176242593	200.0	211.2	M
						RPD = 4.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.383	2.383	0.000	40528194	2500.0	2599.9	
1	2.814	2.816	-0.002	81706250	2500.0	2587.5	M
1	3.307	3.308	-0.001	179520038	2500.0	2674.0	M
1	3.459	3.461	-0.002	74464636	2500.0	2666.2	M
1	3.574	3.575	-0.001	45617230	2500.0	2711.2	M
1	4.000	4.001	-0.001	56755697	2500.0	2596.7	M
1	4.136	4.139	-0.003	66828533	2500.0	2607.9	M
1	4.490	4.491	-0.001	55268066	2500.0	2627.0	M
		Average of Peak Amounts =				2633.8	
2	1.924	1.924	0.000	40091810	2500.0	2421.0	M
2	2.244	2.244	0.000	74624217	2500.0	2504.3	M
2	2.433	2.433	0.000	53180706	2500.0	2527.2	M
2	2.683	2.684	-0.001	162743995	2500.0	2642.2	M
2	2.815	2.816	-0.001	69318084	2500.0	2522.5	M
2	2.880	2.880	0.000	47836978	2500.0	2636.5	M
2	3.244	3.244	0.000	72497974	2500.0	2566.5	M
2	3.656	3.658	-0.002	45530391	2500.0	2544.8	M
		Average of Peak Amounts =				2545.6	
						RPD = 3.41	
8 PCB-1260							M
1	5.298	5.300	-0.002	48730042	2500.0	2599.9	M
1	5.488	5.490	-0.002	119750628	2500.0	2624.5	M
1	5.763	5.765	-0.002	134084216	2500.0	2629.1	M
1	6.391	6.394	-0.003	85955966	2500.0	2611.0	M
1	6.849	6.853	-0.004	92154151	2500.0	2647.0	M
1	7.293	7.298	-0.005	220248405	2500.0	2667.9	M
1	7.964	7.968	-0.004	164521990	2500.0	2676.2	
1	9.214	9.218	-0.004	59797791	2500.0	2663.6	
		Average of Peak Amounts =				2639.9	
2	4.586	4.587	-0.001	107611723	2500.0	2545.2	M
2	5.210	5.212	-0.002	207313510	2500.0	2616.0	M
2	5.355	5.357	-0.002	84593233	2500.0	2455.3	M
2	5.645	5.647	-0.002	92653592	2500.0	2575.7	M
2	6.041	6.043	-0.002	221793927	2500.0	2641.2	M
2	6.436	6.438	-0.002	124395658	2500.0	2628.0	M
2	6.576	6.576	0.000	65674085	2500.0	2564.0	M
2	7.463	7.465	-0.002	57725571	2500.0	2617.9	
		Average of Peak Amounts =				2580.4	
						RPD = 2.28	
$ 11 DCB Decachlorobiphenyl							
1	10.111	10.114	-0.003	155113486	200.0	209.6	
2	8.400	8.403	-0.003	190329033	200.0	208.2	
						RPD = 0.68	
S 12 Polychlorinated biphenyls, Total							
1						5273.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L5_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:02 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561077.D

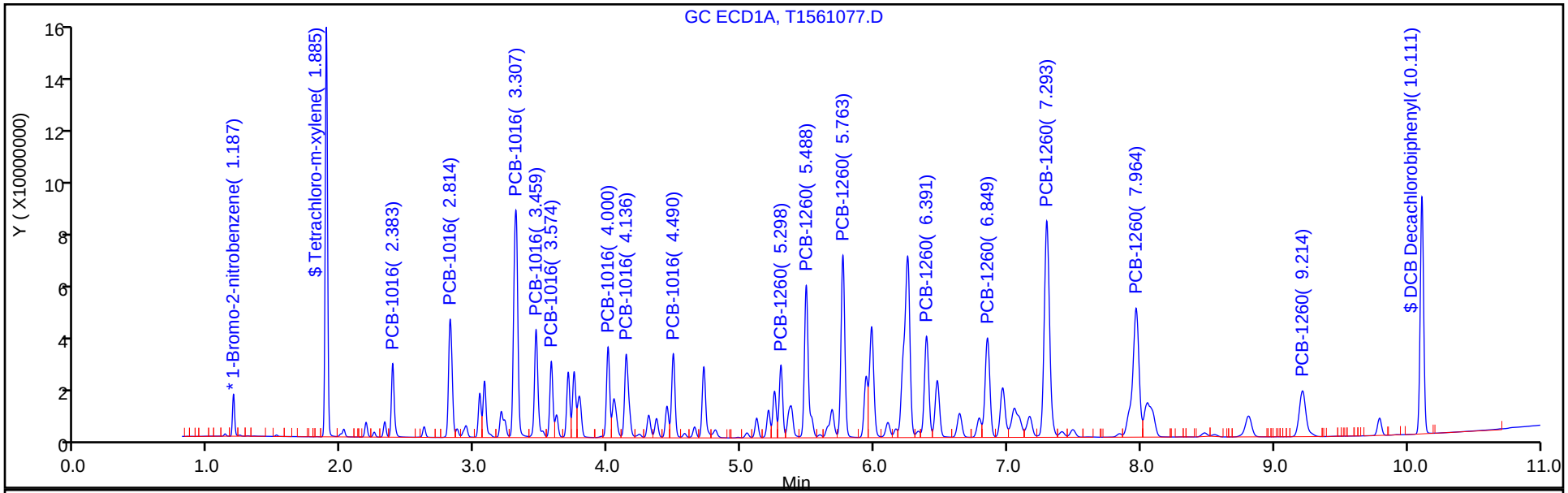
Injection Date: 17-Jun-2019 17:53:02 Instrument ID: CPESTGC11 Operator ID:

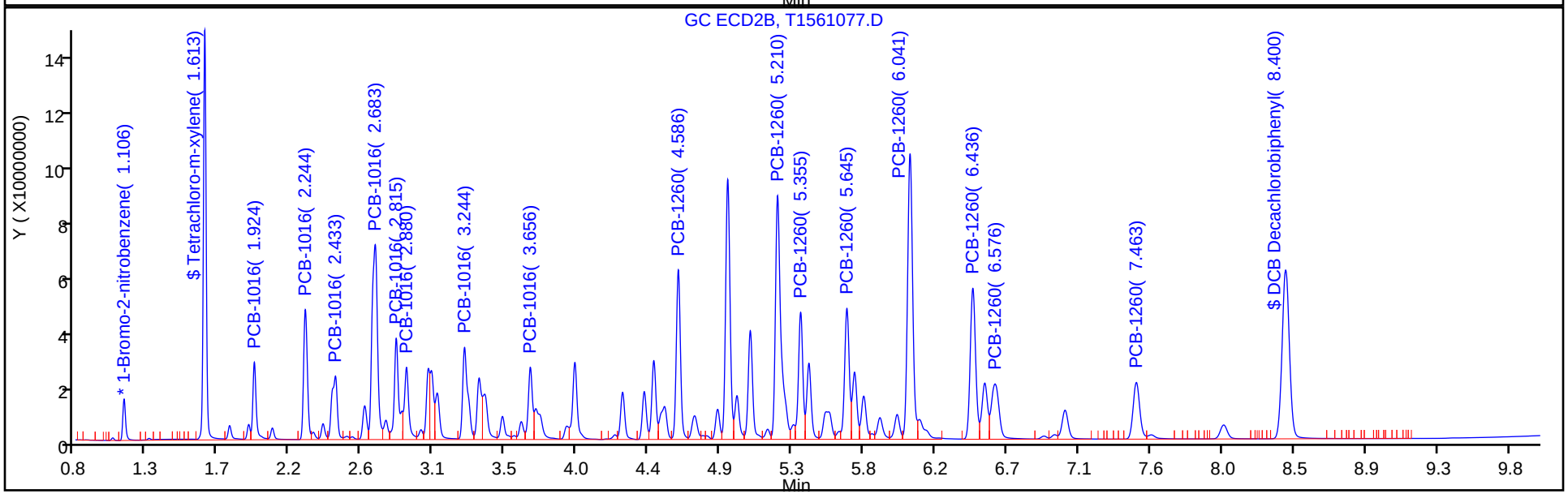
Lims ID: IC PCB5 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 18:27 Calibration End Date: 06/17/2019 18:27 Calibration ID: 75320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/8	T1561079.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0073					Ave		0.0073						20.0			0.9900
PCB-1221 Peak 2	0.0107					Ave		0.0107						20.0			0.9900
PCB-1221 Peak 3	0.0069					Ave		0.0069						20.0			0.9900
PCB-1221 Peak 4	0.0263					Ave		0.0263						20.0			0.9900
PCB-1221 Peak 5	0.0032					Ave		0.0032						20.0			0.9900
PCB-1221 Peak 6	0.0056					Ave		0.0056						20.0			0.9900
PCB-1221 Peak 7	0.0027					Ave		0.0027						20.0			0.9900
PCB-1221 Peak 8	0.0016					Ave		0.0016						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 18:27 Calibration End Date: 06/17/2019 18:27 Calibration ID: 75320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/8	T1561079.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	6332696					1000				
PCB-1221 Peak 2	BNB	Ave	9242427					1000				
PCB-1221 Peak 3	BNB	Ave	5937859					1000				
PCB-1221 Peak 4	BNB	Ave	22646381					1000				
PCB-1221 Peak 5	BNB	Ave	2757788					1000				
PCB-1221 Peak 6	BNB	Ave	4815785					1000				
PCB-1221 Peak 7	BNB	Ave	2316131					1000				
PCB-1221 Peak 8	BNB	Ave	1381432					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561079.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 18:27:29 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-008
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub3

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:14 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:45:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.188	0.000	17248143	20.0	20.0	
2	1.106	1.106	0.000	16885948	20.0	20.0	M
						RPD = 0.00	
1 PCB-1221							M
1	1.509	1.509	0.000	6332696	1000.0	1000.0	
1	2.184	2.184	0.000	9242427	1000.0	1000.0	
1	2.324	2.324	0.000	5937859	1000.0	1000.0	
1	2.384	2.384	0.000	22646381	1000.0	1000.0	
1	2.868	2.868	0.000	2757788	1000.0	1000.0	
1	3.308	3.308	0.000	4815785	1000.0	1000.0	
1	3.461	3.461	0.000	2316131	1000.0	1000.0	
1	3.575	3.575	0.000	1381432	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	1.261	1.261	0.000	6208789	1000.0	1000.0	M
2	1.769	1.769	0.000	9080061	1000.0	1000.0	M
2	1.889	1.889	0.000	5000670	1000.0	1000.0	M
2	1.924	1.924	0.000	22402914	1000.0	1000.0	M
2	2.248	2.248	0.000	2655683	1000.0	1000.0	M
2	2.360	2.360	0.000	2218443	1000.0	1000.0	M
2	2.689	2.689	0.000	4446406	1000.0	1000.0	M
2	2.819	2.819	0.000	2129290	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1221L4_00026	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:15 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561079.D

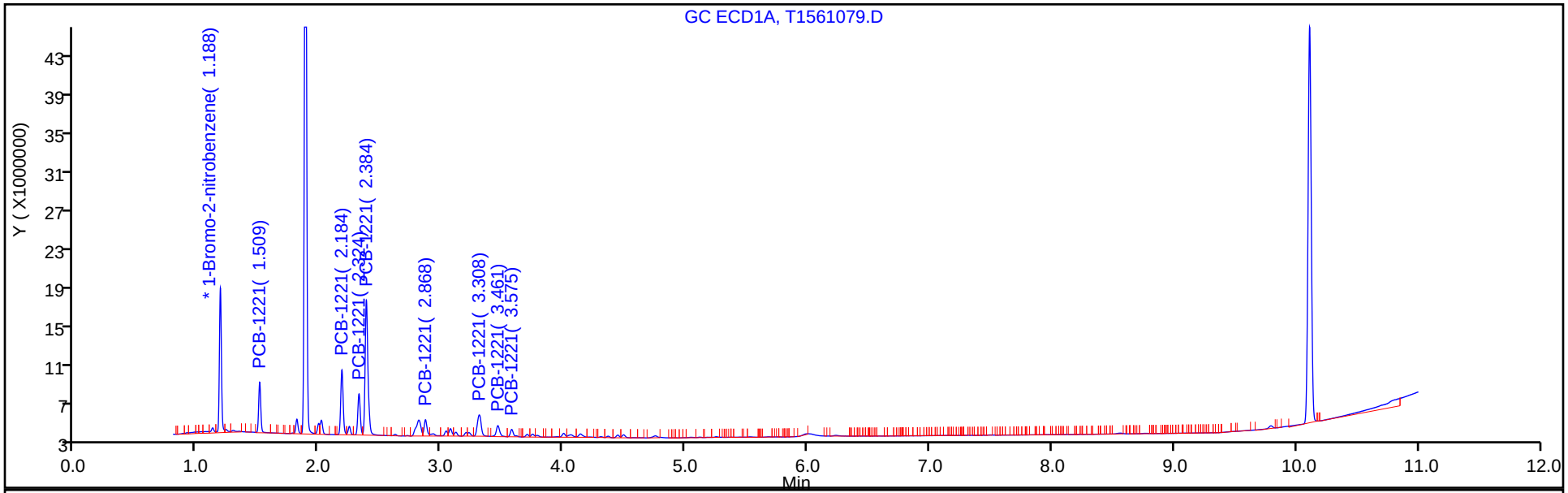
Injection Date: 17-Jun-2019 18:27:29 Instrument ID: CPESTGC11 Operator ID:

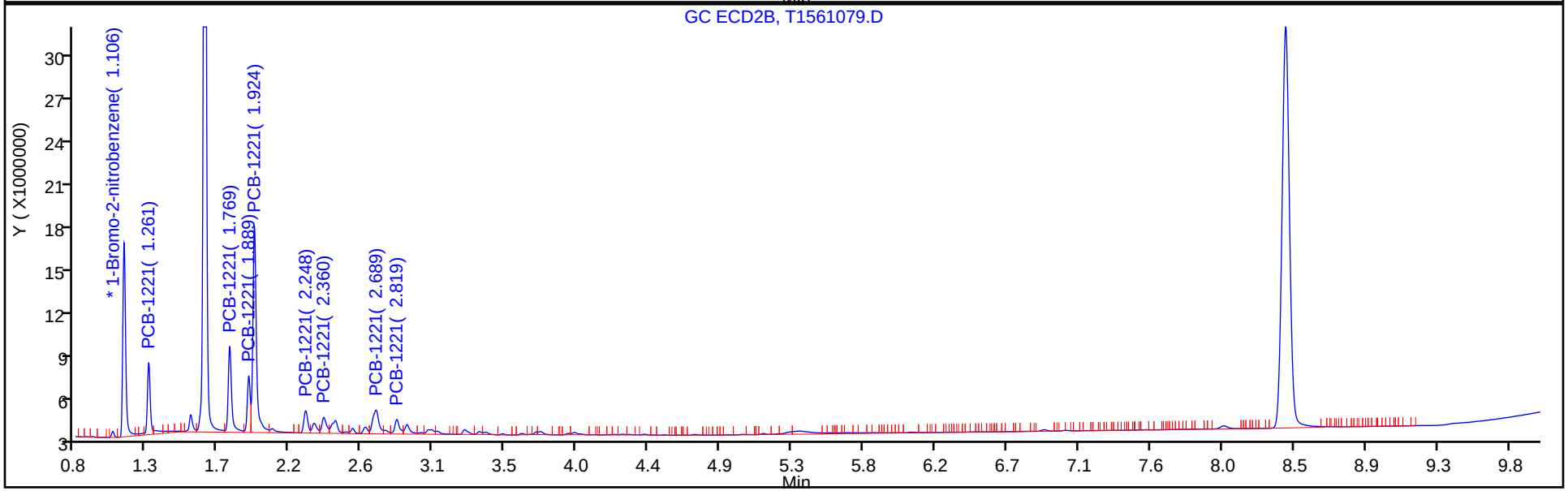
Lims ID: IC 1221 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 18:27 Calibration End Date: 06/17/2019 18:27 Calibration ID: 75321

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/8	T1561079.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0074					Ave		0.0074						20.0			0.9900
PCB-1221 Peak 2	0.0108					Ave		0.0108						20.0			0.9900
PCB-1221 Peak 3	0.0059					Ave		0.0059						20.0			0.9900
PCB-1221 Peak 4	0.0265					Ave		0.0265						20.0			0.9900
PCB-1221 Peak 5	0.0031					Ave		0.0031						20.0			0.9900
PCB-1221 Peak 6	0.0026					Ave		0.0026						20.0			0.9900
PCB-1221 Peak 7	0.0053					Ave		0.0053						20.0			0.9900
PCB-1221 Peak 8	0.0025					Ave		0.0025						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 18:27 Calibration End Date: 06/17/2019 18:27 Calibration ID: 75321

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/8	T1561079.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	6208789					1000				
PCB-1221 Peak 2	BNB	Ave	9080061					1000				
PCB-1221 Peak 3	BNB	Ave	5000670					1000				
PCB-1221 Peak 4	BNB	Ave	22402914					1000				
PCB-1221 Peak 5	BNB	Ave	2655683					1000				
PCB-1221 Peak 6	BNB	Ave	2218443					1000				
PCB-1221 Peak 7	BNB	Ave	4446406					1000				
PCB-1221 Peak 8	BNB	Ave	2129290					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561079.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 18:27:29 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-008
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub3

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:14 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:45:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.188	0.000	17248143	20.0	20.0	
2	1.106	1.106	0.000	16885948	20.0	20.0	M
						RPD = 0.00	
1 PCB-1221							M
1	1.509	1.509	0.000	6332696	1000.0	1000.0	
1	2.184	2.184	0.000	9242427	1000.0	1000.0	
1	2.324	2.324	0.000	5937859	1000.0	1000.0	
1	2.384	2.384	0.000	22646381	1000.0	1000.0	
1	2.868	2.868	0.000	2757788	1000.0	1000.0	
1	3.308	3.308	0.000	4815785	1000.0	1000.0	
1	3.461	3.461	0.000	2316131	1000.0	1000.0	
1	3.575	3.575	0.000	1381432	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	1.261	1.261	0.000	6208789	1000.0	1000.0	M
2	1.769	1.769	0.000	9080061	1000.0	1000.0	M
2	1.889	1.889	0.000	5000670	1000.0	1000.0	M
2	1.924	1.924	0.000	22402914	1000.0	1000.0	M
2	2.248	2.248	0.000	2655683	1000.0	1000.0	M
2	2.360	2.360	0.000	2218443	1000.0	1000.0	M
2	2.689	2.689	0.000	4446406	1000.0	1000.0	M
2	2.819	2.819	0.000	2129290	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

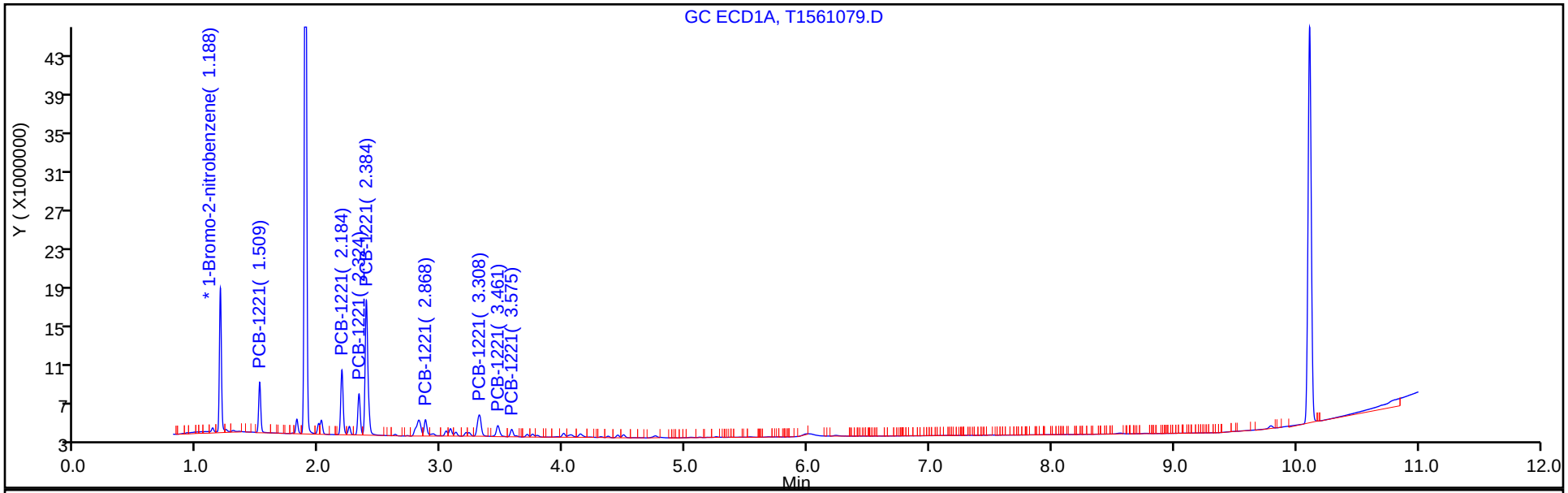
Reagents:

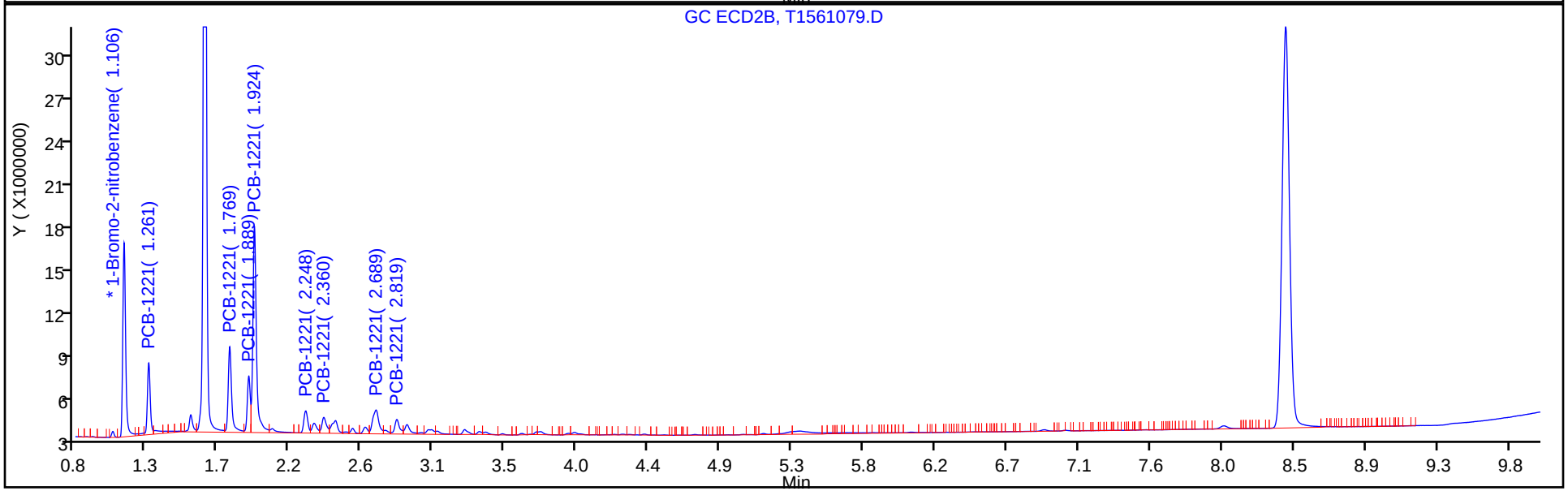
SG1221L4_00026	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:15 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561079.D				
Injection Date:	17-Jun-2019 18:27:29	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 18:44 Calibration End Date: 06/17/2019 18:44 Calibration ID: 75326

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/9	T1561080.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0206					Ave		0.0206						20.0			0.9900
PCB-1232 Peak 2	0.0168					Ave		0.0168						20.0			0.9900
PCB-1232 Peak 3	0.0335					Ave		0.0335						20.0			0.9900
PCB-1232 Peak 4	0.0143					Ave		0.0143						20.0			0.9900
PCB-1232 Peak 5	0.0087					Ave		0.0087						20.0			0.9900
PCB-1232 Peak 6	0.0099					Ave		0.0099						20.0			0.9900
PCB-1232 Peak 7	0.0094					Ave		0.0094						20.0			0.9900
PCB-1232 Peak 8	0.0113					Ave		0.0113						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 18:44 Calibration End Date: 06/17/2019 18:44 Calibration ID: 75326

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/9	T1561080.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	17516749					1000				
PCB-1232 Peak 2	BNB	Ave	14276409					1000				
PCB-1232 Peak 3	BNB	Ave	28533372					1000				
PCB-1232 Peak 4	BNB	Ave	12173310					1000				
PCB-1232 Peak 5	BNB	Ave	7381372					1000				
PCB-1232 Peak 6	BNB	Ave	8430018					1000				
PCB-1232 Peak 7	BNB	Ave	8030692					1000				
PCB-1232 Peak 8	BNB	Ave	9587899					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561080.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 18:44:39 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-009
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub4

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:19 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:45:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.188	0.000	17023813	20.0	20.0	M
2	1.106	1.106	0.000	17659847	20.0	20.0	
						RPD = 0.00	
3 PCB-1232							M
1	2.383	2.383	0.000	17516749	1000.0	1000.0	
1	2.814	2.814	0.000	14276409	1000.0	1000.0	M
1	3.307	3.307	0.000	28533372	1000.0	1000.0	M
1	3.459	3.459	0.000	12173310	1000.0	1000.0	M
1	3.574	3.574	0.000	7381372	1000.0	1000.0	M
1	3.999	3.999	0.000	8430018	1000.0	1000.0	M
1	4.443	4.443	0.000	8030692	1000.0	1000.0	M
1	4.491	4.491	0.000	9587899	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.925	1.925	0.000	18363315	1000.0	1000.0	M
2	2.245	2.245	0.000	12493759	1000.0	1000.0	M
2	2.434	2.434	0.000	9270960	1000.0	1000.0	M
2	2.687	2.687	0.000	25260664	1000.0	1000.0	M
2	2.818	2.818	0.000	11536986	1000.0	1000.0	M
2	3.245	3.245	0.000	10559552	1000.0	1000.0	M
2	3.719	3.719	0.000	15790424	1000.0	1000.0	M
2	3.934	3.934	0.000	6765357	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

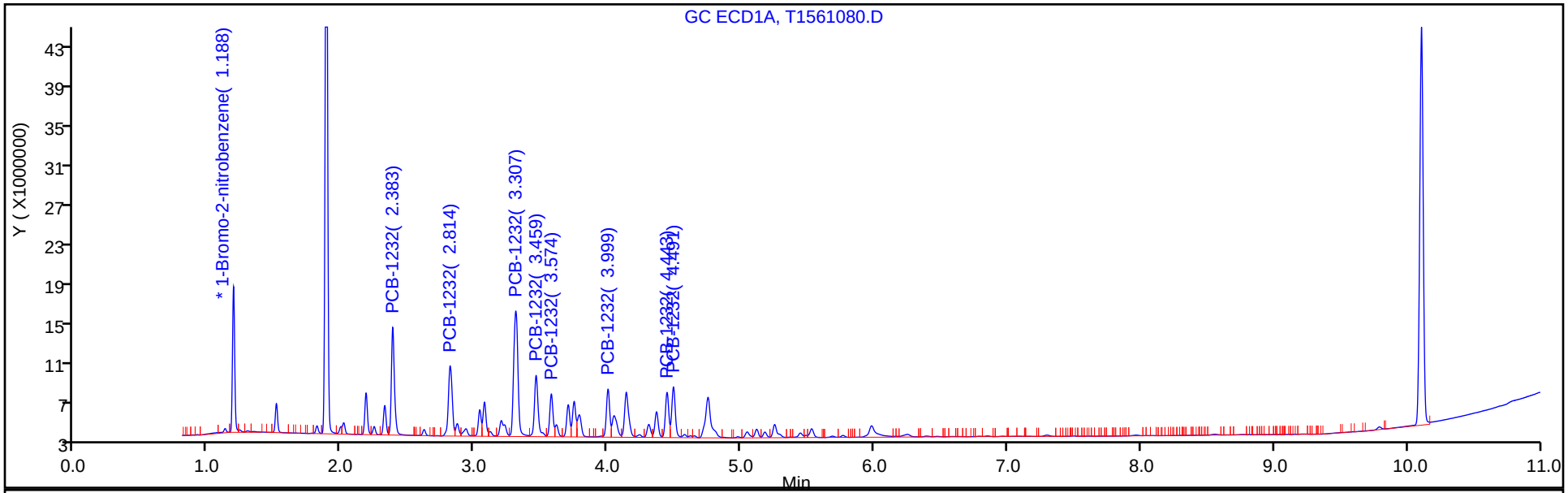
Reagents:

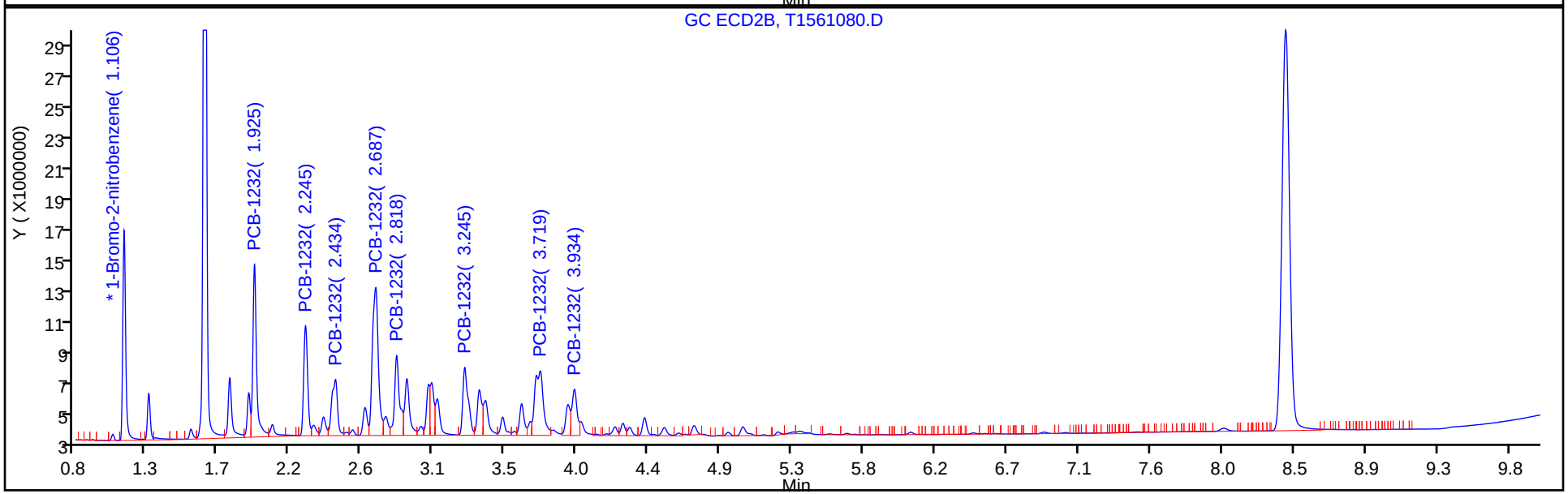
SG1232L4_00028	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:20 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561080.D				
Injection Date:	17-Jun-2019 18:44:39	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 18:44 Calibration End Date: 06/17/2019 18:44 Calibration ID: 75327

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/9	T1561080.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0208					Ave		0.0208						20.0			0.9900
PCB-1232 Peak 2	0.0141					Ave		0.0141						20.0			0.9900
PCB-1232 Peak 3	0.0105					Ave		0.0105						20.0			0.9900
PCB-1232 Peak 4	0.0286					Ave		0.0286						20.0			0.9900
PCB-1232 Peak 5	0.0131					Ave		0.0131						20.0			0.9900
PCB-1232 Peak 6	0.0120					Ave		0.0120						20.0			0.9900
PCB-1232 Peak 7	0.0179					Ave		0.0179						20.0			0.9900
PCB-1232 Peak 8	0.0077					Ave		0.0077						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 18:44 Calibration End Date: 06/17/2019 18:44 Calibration ID: 75327

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/9	T1561080.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	18363315					1000				
PCB-1232 Peak 2	BNB	Ave	12493759					1000				
PCB-1232 Peak 3	BNB	Ave	9270960					1000				
PCB-1232 Peak 4	BNB	Ave	25260664					1000				
PCB-1232 Peak 5	BNB	Ave	11536986					1000				
PCB-1232 Peak 6	BNB	Ave	10559552					1000				
PCB-1232 Peak 7	BNB	Ave	15790424					1000				
PCB-1232 Peak 8	BNB	Ave	6765357					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561080.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 18:44:39 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-009
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub4

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:19 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:45:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.188	0.000	17023813	20.0	20.0	M
2	1.106	1.106	0.000	17659847	20.0	20.0	
						RPD = 0.00	
3 PCB-1232							M
1	2.383	2.383	0.000	17516749	1000.0	1000.0	
1	2.814	2.814	0.000	14276409	1000.0	1000.0	M
1	3.307	3.307	0.000	28533372	1000.0	1000.0	M
1	3.459	3.459	0.000	12173310	1000.0	1000.0	M
1	3.574	3.574	0.000	7381372	1000.0	1000.0	M
1	3.999	3.999	0.000	8430018	1000.0	1000.0	M
1	4.443	4.443	0.000	8030692	1000.0	1000.0	M
1	4.491	4.491	0.000	9587899	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.925	1.925	0.000	18363315	1000.0	1000.0	M
2	2.245	2.245	0.000	12493759	1000.0	1000.0	M
2	2.434	2.434	0.000	9270960	1000.0	1000.0	M
2	2.687	2.687	0.000	25260664	1000.0	1000.0	M
2	2.818	2.818	0.000	11536986	1000.0	1000.0	M
2	3.245	3.245	0.000	10559552	1000.0	1000.0	M
2	3.719	3.719	0.000	15790424	1000.0	1000.0	M
2	3.934	3.934	0.000	6765357	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

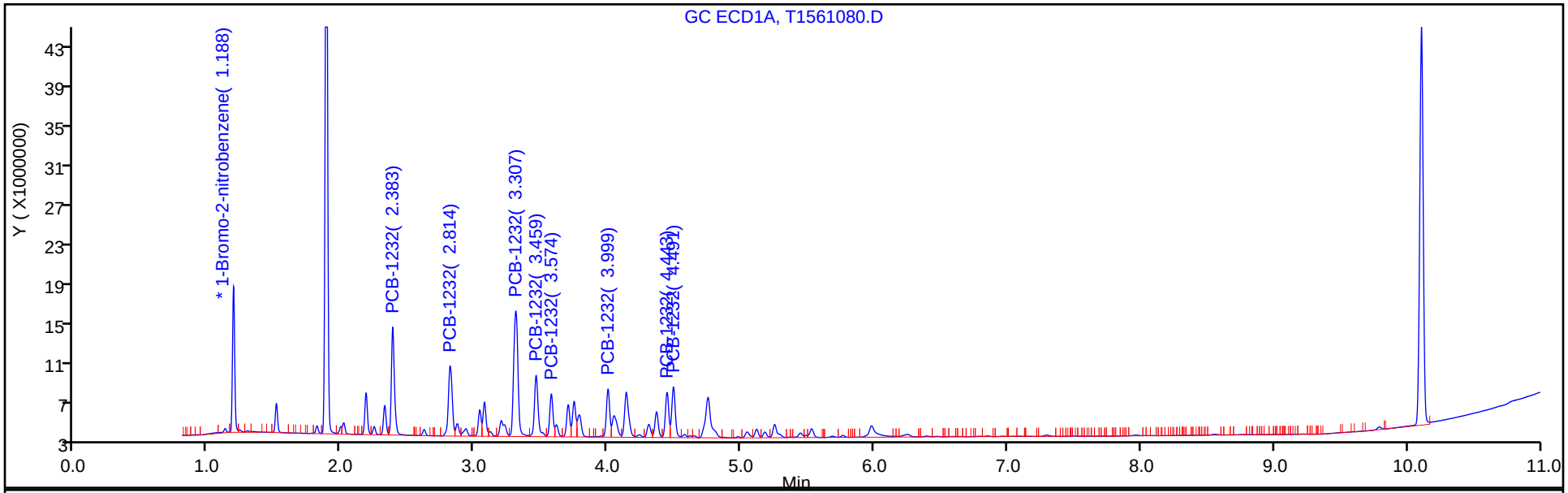
Reagents:

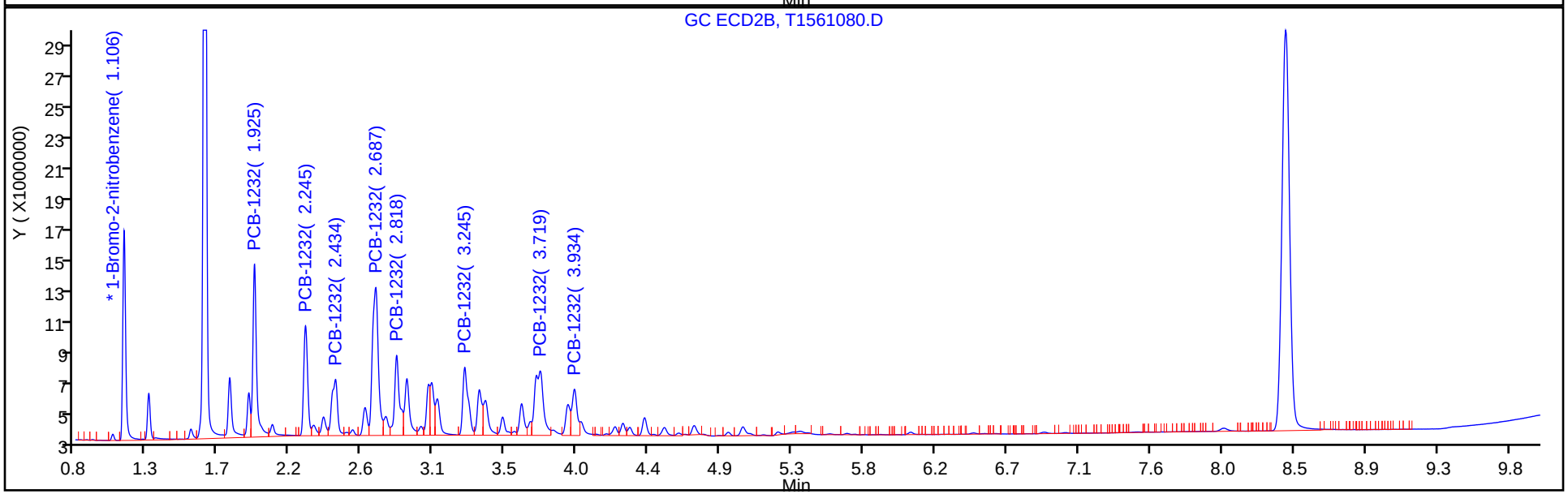
SG1232L4_00028	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:20 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561080.D				
Injection Date:	17-Jun-2019 18:44:39	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:01 Calibration End Date: 06/17/2019 19:01 Calibration ID: 75332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/10	T1561081.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0139					Ave		0.0139						20.0			0.9900
PCB-1242 Peak 2	0.0272					Ave		0.0272						20.0			0.9900
PCB-1242 Peak 3	0.0579					Ave		0.0579						20.0			0.9900
PCB-1242 Peak 4	0.0243					Ave		0.0243						20.0			0.9900
PCB-1242 Peak 5	0.0145					Ave		0.0145						20.0			0.9900
PCB-1242 Peak 6	0.0224					Ave		0.0224						20.0			0.9900
PCB-1242 Peak 7	0.0187					Ave		0.0187						20.0			0.9900
PCB-1242 Peak 8	0.0218					Ave		0.0218						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:01 Calibration End Date: 06/17/2019 19:01 Calibration ID: 75332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/10	T1561081.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	12207797					1000				
PCB-1242 Peak 2	BNB	Ave	23998638					1000				
PCB-1242 Peak 3	BNB	Ave	51044347					1000				
PCB-1242 Peak 4	BNB	Ave	21454221					1000				
PCB-1242 Peak 5	BNB	Ave	12807551					1000				
PCB-1242 Peak 6	BNB	Ave	19701855					1000				
PCB-1242 Peak 7	BNB	Ave	16452489					1000				
PCB-1242 Peak 8	BNB	Ave	19249510					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561081.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 19:01:53 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-010
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub5

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:24 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:47:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.187	1.187	0.000	17625694	20.0	20.0	M
2	1.106	1.106	0.000	18125385	20.0	20.0	
						RPD = 0.00	
4 PCB-1242							M
1	2.382	2.382	0.000	12207797	1000.0	1000.0	M
1	2.814	2.814	0.000	23998638	1000.0	1000.0	M
1	3.308	3.308	0.000	51044347	1000.0	1000.0	M
1	3.459	3.459	0.000	21454221	1000.0	1000.0	M
1	3.574	3.574	0.000	12807551	1000.0	1000.0	M
1	4.137	4.137	0.000	19701855	1000.0	1000.0	M
1	4.442	4.442	0.000	16452489	1000.0	1000.0	M
1	4.491	4.491	0.000	19249510	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.925	1.925	0.000	12232609	1000.0	1000.0	M
2	2.245	2.245	0.000	22162370	1000.0	1000.0	M
2	2.433	2.433	0.000	15845996	1000.0	1000.0	M
2	2.685	2.685	0.000	45867561	1000.0	1000.0	M
2	2.817	2.817	0.000	20618409	1000.0	1000.0	M
2	3.244	3.244	0.000	21236592	1000.0	1000.0	M
2	3.718	3.718	0.000	32464044	1000.0	1000.0	M
2	3.932	3.932	0.000	13825453	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

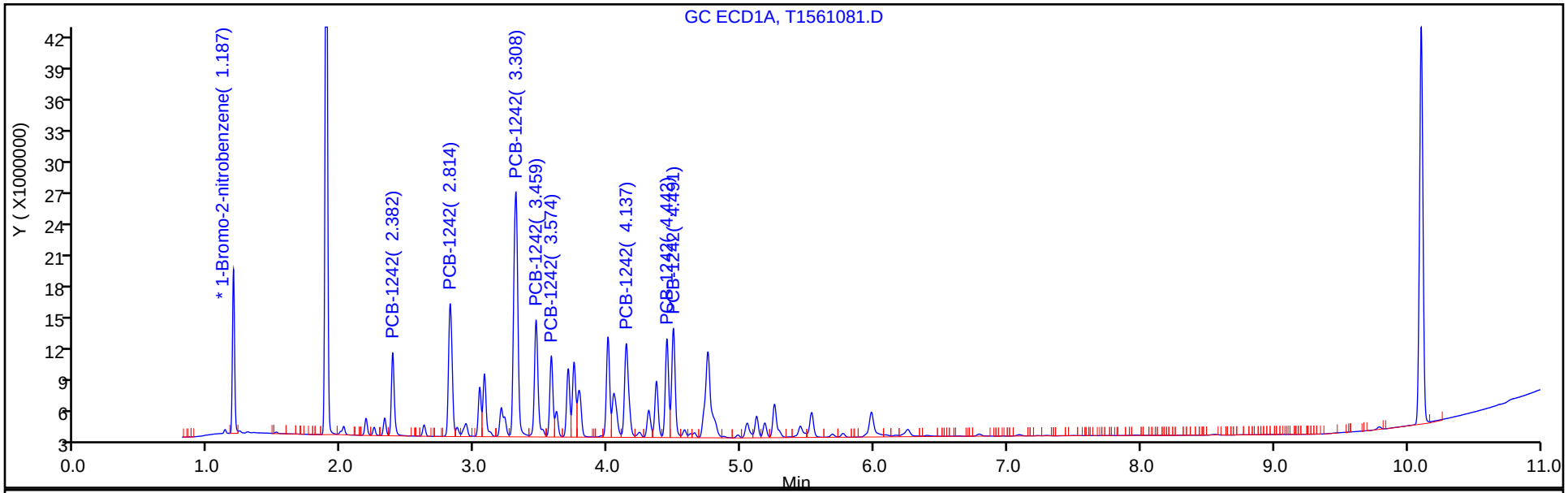
Reagents:

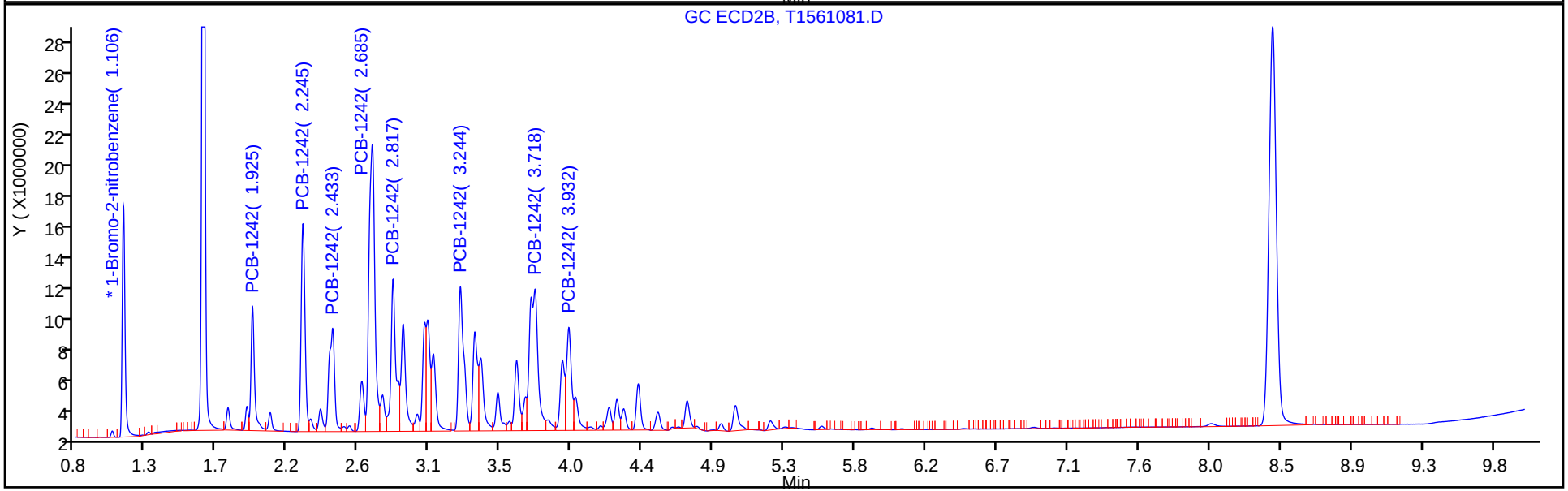
SG1242L4_00026	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:25 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561081.D				
Injection Date:	17-Jun-2019 19:01:53	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:01 Calibration End Date: 06/17/2019 19:01 Calibration ID: 75333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/10	T1561081.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0135					Ave		0.0135						20.0			0.9900
PCB-1242 Peak 2	0.0245					Ave		0.0245						20.0			0.9900
PCB-1242 Peak 3	0.0175					Ave		0.0175						20.0			0.9900
PCB-1242 Peak 4	0.0506					Ave		0.0506						20.0			0.9900
PCB-1242 Peak 5	0.0228					Ave		0.0228						20.0			0.9900
PCB-1242 Peak 6	0.0234					Ave		0.0234						20.0			0.9900
PCB-1242 Peak 7	0.0358					Ave		0.0358						20.0			0.9900
PCB-1242 Peak 8	0.0153					Ave		0.0153						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:01 Calibration End Date: 06/17/2019 19:01 Calibration ID: 75333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/10	T1561081.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	12232609					1000				
PCB-1242 Peak 2	BNB	Ave	22162370					1000				
PCB-1242 Peak 3	BNB	Ave	15845996					1000				
PCB-1242 Peak 4	BNB	Ave	45867561					1000				
PCB-1242 Peak 5	BNB	Ave	20618409					1000				
PCB-1242 Peak 6	BNB	Ave	21236592					1000				
PCB-1242 Peak 7	BNB	Ave	32464044					1000				
PCB-1242 Peak 8	BNB	Ave	13825453					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561081.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 19:01:53 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-010
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub5

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:24 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:47:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.187	1.187	0.000	17625694	20.0	20.0	M
2	1.106	1.106	0.000	18125385	20.0	20.0	
						RPD = 0.00	
4 PCB-1242							M
1	2.382	2.382	0.000	12207797	1000.0	1000.0	M
1	2.814	2.814	0.000	23998638	1000.0	1000.0	M
1	3.308	3.308	0.000	51044347	1000.0	1000.0	M
1	3.459	3.459	0.000	21454221	1000.0	1000.0	M
1	3.574	3.574	0.000	12807551	1000.0	1000.0	M
1	4.137	4.137	0.000	19701855	1000.0	1000.0	M
1	4.442	4.442	0.000	16452489	1000.0	1000.0	M
1	4.491	4.491	0.000	19249510	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.925	1.925	0.000	12232609	1000.0	1000.0	M
2	2.245	2.245	0.000	22162370	1000.0	1000.0	M
2	2.433	2.433	0.000	15845996	1000.0	1000.0	M
2	2.685	2.685	0.000	45867561	1000.0	1000.0	M
2	2.817	2.817	0.000	20618409	1000.0	1000.0	M
2	3.244	3.244	0.000	21236592	1000.0	1000.0	M
2	3.718	3.718	0.000	32464044	1000.0	1000.0	M
2	3.932	3.932	0.000	13825453	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

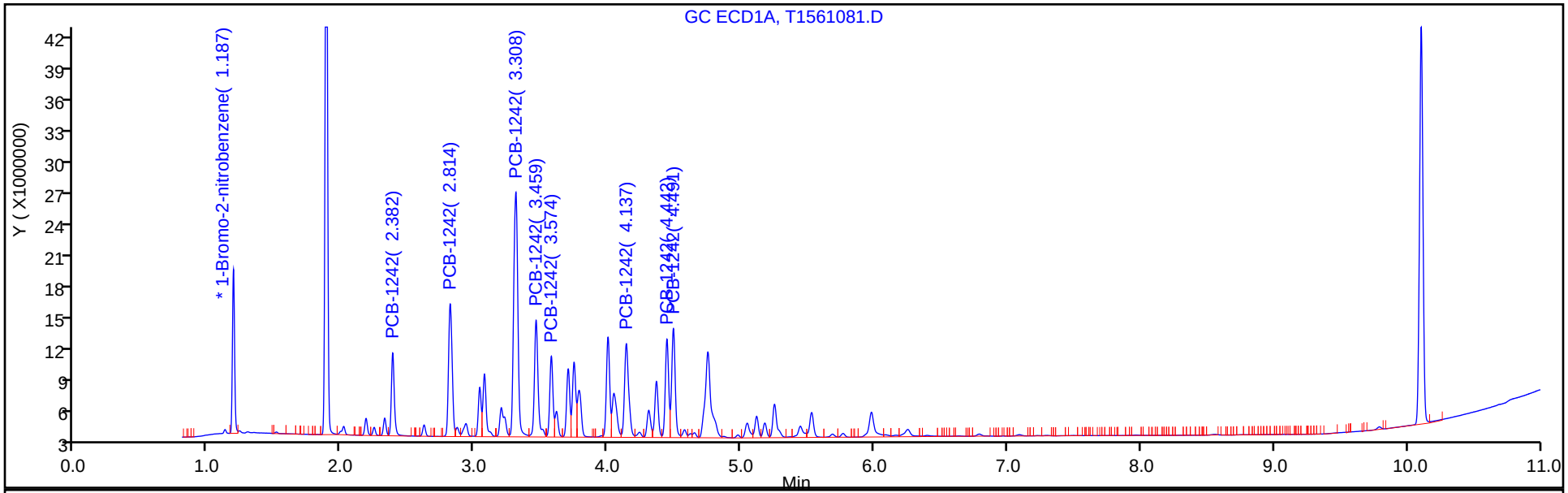
Reagents:

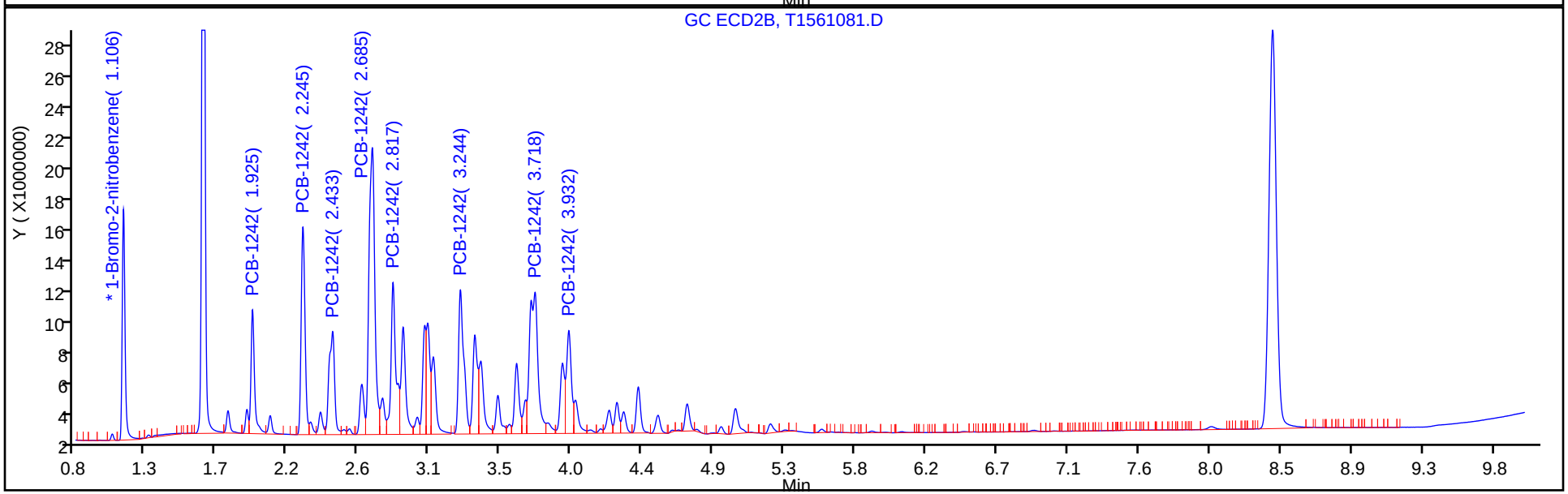
SG1242L4_00026	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:25 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561081.D				
Injection Date:	17-Jun-2019 19:01:53	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:19 Calibration End Date: 06/17/2019 19:19 Calibration ID: 75338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/11	T1561082.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0148					Ave		0.0148						20.0			0.9900
PCB-1248 Peak 2	0.0379					Ave		0.0379						20.0			0.9900
PCB-1248 Peak 3	0.0228					Ave		0.0228						20.0			0.9900
PCB-1248 Peak 4	0.0211					Ave		0.0211						20.0			0.9900
PCB-1248 Peak 5	0.0332					Ave		0.0332						20.0			0.9900
PCB-1248 Peak 6	0.0333					Ave		0.0333						20.0			0.9900
PCB-1248 Peak 7	0.0385					Ave		0.0385						20.0			0.9900
PCB-1248 Peak 8	0.0204					Ave		0.0204						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:19 Calibration End Date: 06/17/2019 19:19 Calibration ID: 75338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/11	T1561082.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	12921470					1000				
PCB-1248 Peak 2	BNB	Ave	33160311					1000				
PCB-1248 Peak 3	BNB	Ave	19902343					1000				
PCB-1248 Peak 4	BNB	Ave	18456281					1000				
PCB-1248 Peak 5	BNB	Ave	29008493					1000				
PCB-1248 Peak 6	BNB	Ave	29137703					1000				
PCB-1248 Peak 7	BNB	Ave	33678631					1000				
PCB-1248 Peak 8	BNB	Ave	17823821					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561082.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 19:19:03 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-011
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub6

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:29 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:47:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.188	0.000	17477665	20.0	20.0	M
2	1.106	1.106	0.000	17983738	20.0	20.0	
						RPD = 0.00	
6 PCB-1248							M
1	2.813	2.813	0.000	12921470	1000.0	1000.0	
1	3.306	3.306	0.000	33160311	1000.0	1000.0	
1	3.701	3.701	0.000	19902343	1000.0	1000.0	
1	3.745	3.745	0.000	18456281	1000.0	1000.0	
1	4.136	4.136	0.000	29008493	1000.0	1000.0	
1	4.441	4.441	0.000	29137703	1000.0	1000.0	
1	4.490	4.490	0.000	33678631	1000.0	1000.0	
1	5.250	5.250	0.000	17823821	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	2.245	2.245	0.000	12238233	1000.0	1000.0	M
2	2.685	2.685	0.000	29295909	1000.0	1000.0	M
2	3.018	3.018	0.000	33339204	1000.0	1000.0	M
2	3.336	3.336	0.000	19027145	1000.0	1000.0	M
2	3.693	3.693	0.000	57710741	1000.0	1000.0	M
2	3.933	3.933	0.000	26494087	1000.0	1000.0	M
2	4.374	4.374	0.000	16824363	1000.0	1000.0	M
2	4.989	4.989	0.000	10164953	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1248L4_00026	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:30 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561082.D

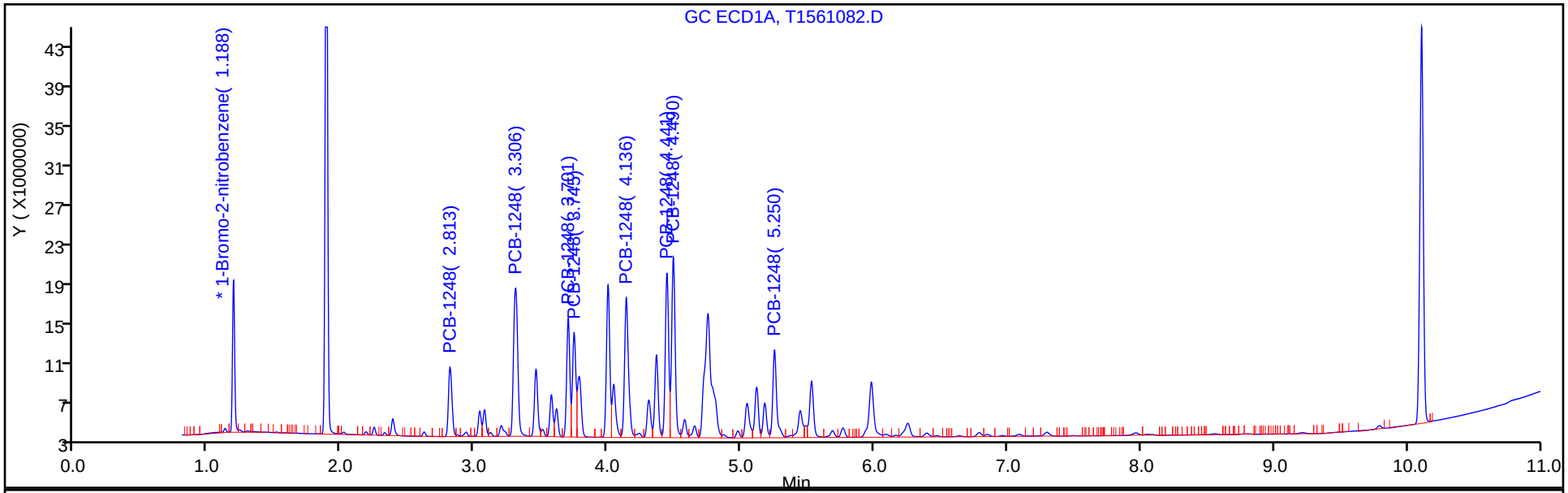
Injection Date: 17-Jun-2019 19:19:03 Instrument ID: CPESTGC11 Operator ID:

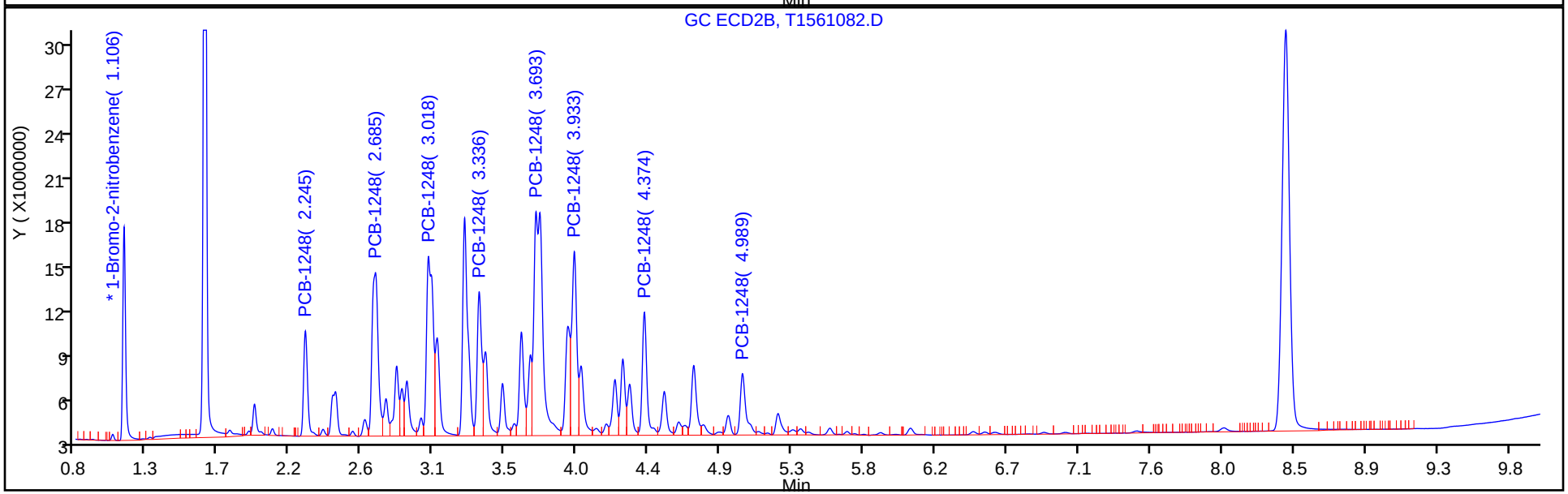
Lims ID: IC 1248 Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:19 Calibration End Date: 06/17/2019 19:19 Calibration ID: 75339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/11	T1561082.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0136					Ave		0.0136						20.0			0.9900
PCB-1248 Peak 2	0.0326					Ave		0.0326						20.0			0.9900
PCB-1248 Peak 3	0.0371					Ave		0.0371						20.0			0.9900
PCB-1248 Peak 4	0.0212					Ave		0.0212						20.0			0.9900
PCB-1248 Peak 5	0.0642					Ave		0.0642						20.0			0.9900
PCB-1248 Peak 6	0.0295					Ave		0.0295						20.0			0.9900
PCB-1248 Peak 7	0.0187					Ave		0.0187						20.0			0.9900
PCB-1248 Peak 8	0.0113					Ave		0.0113						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:19 Calibration End Date: 06/17/2019 19:19 Calibration ID: 75339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/11	T1561082.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	12238233					1000				
PCB-1248 Peak 2	BNB	Ave	29295909					1000				
PCB-1248 Peak 3	BNB	Ave	33339204					1000				
PCB-1248 Peak 4	BNB	Ave	19027145					1000				
PCB-1248 Peak 5	BNB	Ave	57710741					1000				
PCB-1248 Peak 6	BNB	Ave	26494087					1000				
PCB-1248 Peak 7	BNB	Ave	16824363					1000				
PCB-1248 Peak 8	BNB	Ave	10164953					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561082.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 19:19:03 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-011
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub6

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:29 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:47:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.188	0.000	17477665	20.0	20.0	M
2	1.106	1.106	0.000	17983738	20.0	20.0	
						RPD = 0.00	
6 PCB-1248							M
1	2.813	2.813	0.000	12921470	1000.0	1000.0	
1	3.306	3.306	0.000	33160311	1000.0	1000.0	
1	3.701	3.701	0.000	19902343	1000.0	1000.0	
1	3.745	3.745	0.000	18456281	1000.0	1000.0	
1	4.136	4.136	0.000	29008493	1000.0	1000.0	
1	4.441	4.441	0.000	29137703	1000.0	1000.0	
1	4.490	4.490	0.000	33678631	1000.0	1000.0	
1	5.250	5.250	0.000	17823821	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	2.245	2.245	0.000	12238233	1000.0	1000.0	M
2	2.685	2.685	0.000	29295909	1000.0	1000.0	M
2	3.018	3.018	0.000	33339204	1000.0	1000.0	M
2	3.336	3.336	0.000	19027145	1000.0	1000.0	M
2	3.693	3.693	0.000	57710741	1000.0	1000.0	M
2	3.933	3.933	0.000	26494087	1000.0	1000.0	M
2	4.374	4.374	0.000	16824363	1000.0	1000.0	M
2	4.989	4.989	0.000	10164953	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

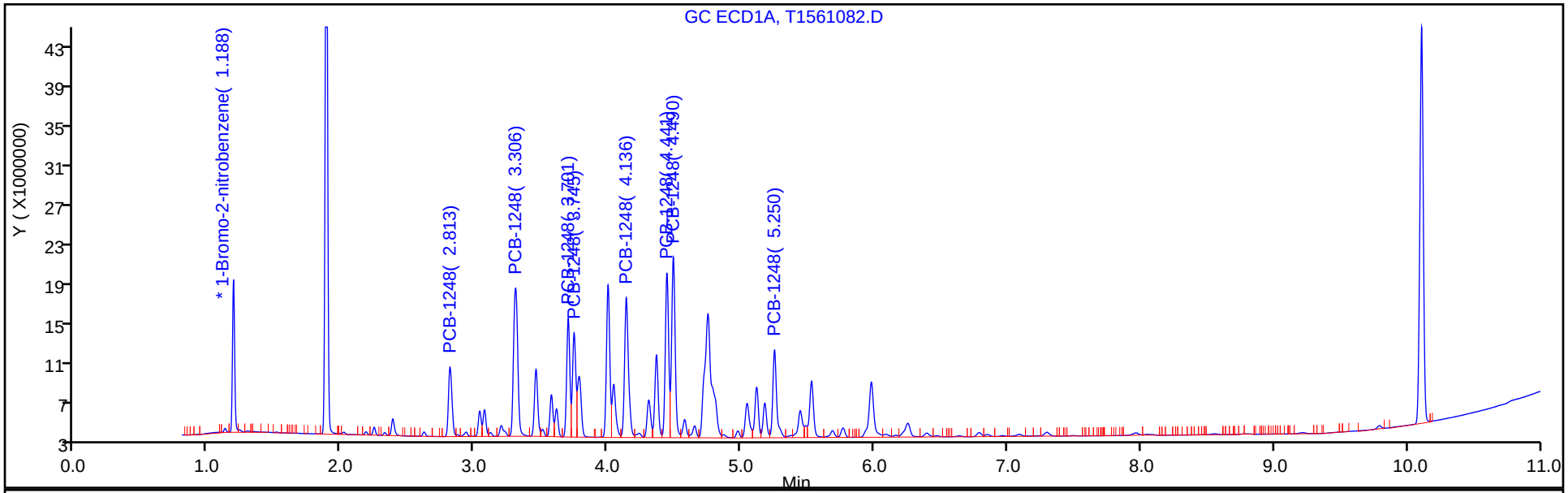
Reagents:

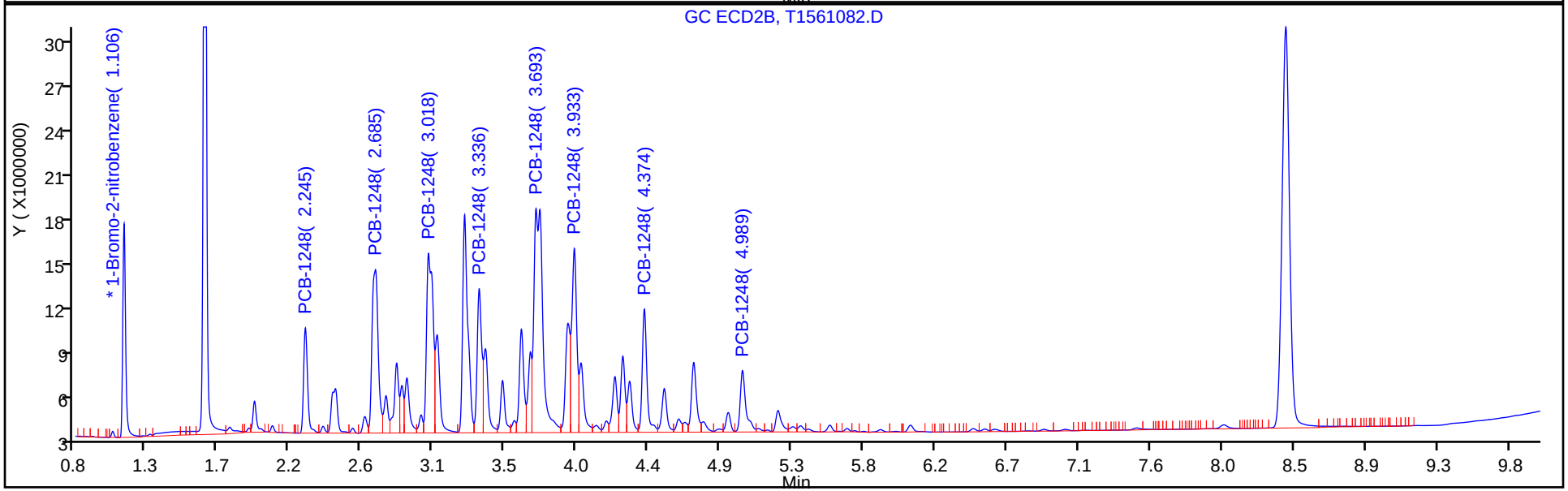
SG1248L4_00026	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:30 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561082.D				
Injection Date:	17-Jun-2019 19:19:03	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:36 Calibration End Date: 06/17/2019 19:36 Calibration ID: 75344

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/12	T1561083.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0139					Ave		0.0139						20.0			0.9900
PCB-1254 Peak 2	0.0394					Ave		0.0394						20.0			0.9900
PCB-1254 Peak 3	0.0454					Ave		0.0454						20.0			0.9900
PCB-1254 Peak 4	0.0340					Ave		0.0340						20.0			0.9900
PCB-1254 Peak 5	0.0646					Ave		0.0646						20.0			0.9900
PCB-1254 Peak 6	0.0496					Ave		0.0496						20.0			0.9900
PCB-1254 Peak 7	0.0441					Ave		0.0441						20.0			0.9900
PCB-1254 Peak 8	0.0690					Ave		0.0690						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:36 Calibration End Date: 06/17/2019 19:36 Calibration ID: 75344

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/12	T1561083.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	11831278					1000				
PCB-1254 Peak 2	BNB	Ave	33519080					1000				
PCB-1254 Peak 3	BNB	Ave	38618340					1000				
PCB-1254 Peak 4	BNB	Ave	28889611					1000				
PCB-1254 Peak 5	BNB	Ave	54921806					1000				
PCB-1254 Peak 6	BNB	Ave	42162647					1000				
PCB-1254 Peak 7	BNB	Ave	37494487					1000				
PCB-1254 Peak 8	BNB	Ave	58677415					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561083.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 19:36:14 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-012
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:33 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:50:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.188	0.000	16996050	20.0	20.0	M
2	1.106	1.106	0.000	17727195	20.0	20.0	
						RPD = 0.00	
7 PCB-1254							M
1	4.000	4.000	0.000	11831278	1000.0	1000.0	M
1	4.489	4.489	0.000	33519080	1000.0	1000.0	M
1	4.718	4.718	0.000	38618340	1000.0	1000.0	M
1	5.115	5.115	0.000	28889611	1000.0	1000.0	
1	5.250	5.250	0.000	54921806	1000.0	1000.0	
1	5.526	5.526	0.000	42162647	1000.0	1000.0	
1	5.975	5.975	0.000	37494487	1000.0	1000.0	
1	6.250	6.250	0.000	58677415	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	3.244	3.244	0.000	10814000	1000.0	1000.0	
2	3.657	3.657	0.000	29394853	1000.0	1000.0	M
2	3.935	3.935	0.000	58031245	1000.0	1000.0	M
2	4.237	4.237	0.000	31535509	1000.0	1000.0	M
2	4.372	4.372	0.000	54623514	1000.0	1000.0	M
2	4.681	4.681	0.000	40254290	1000.0	1000.0	M
2	4.899	4.899	0.000	38183186	1000.0	1000.0	M
2	5.210	5.210	0.000	56520266	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1254L4_00026	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:34 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561083.D

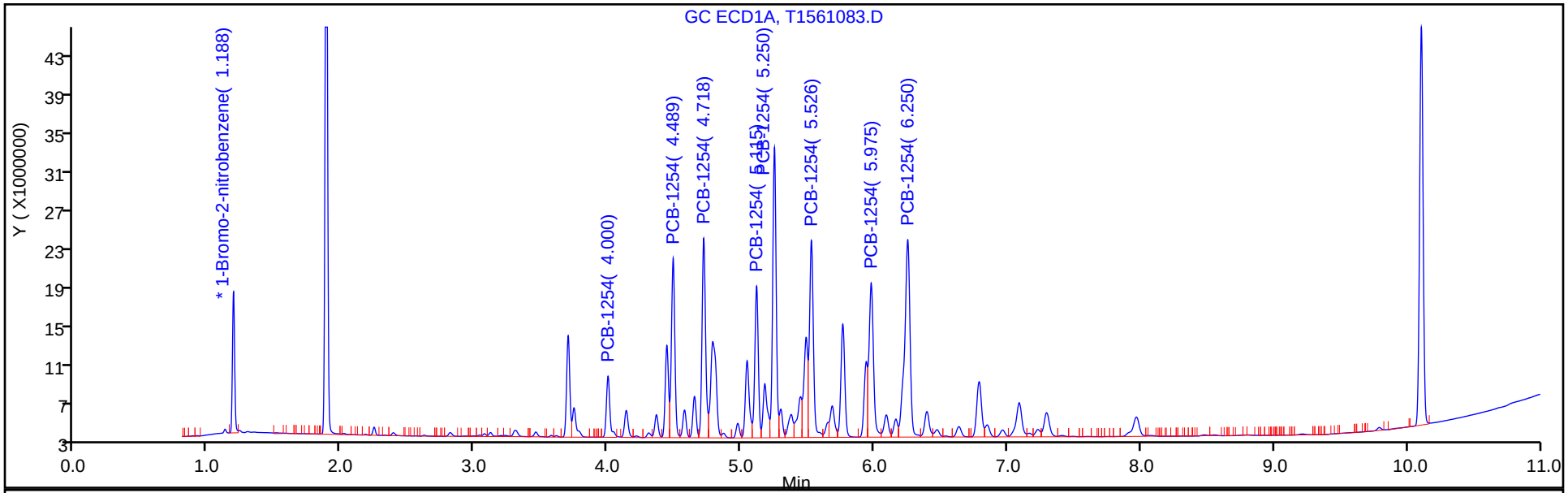
Injection Date: 17-Jun-2019 19:36:14 Instrument ID: CPESTGC11 Operator ID:

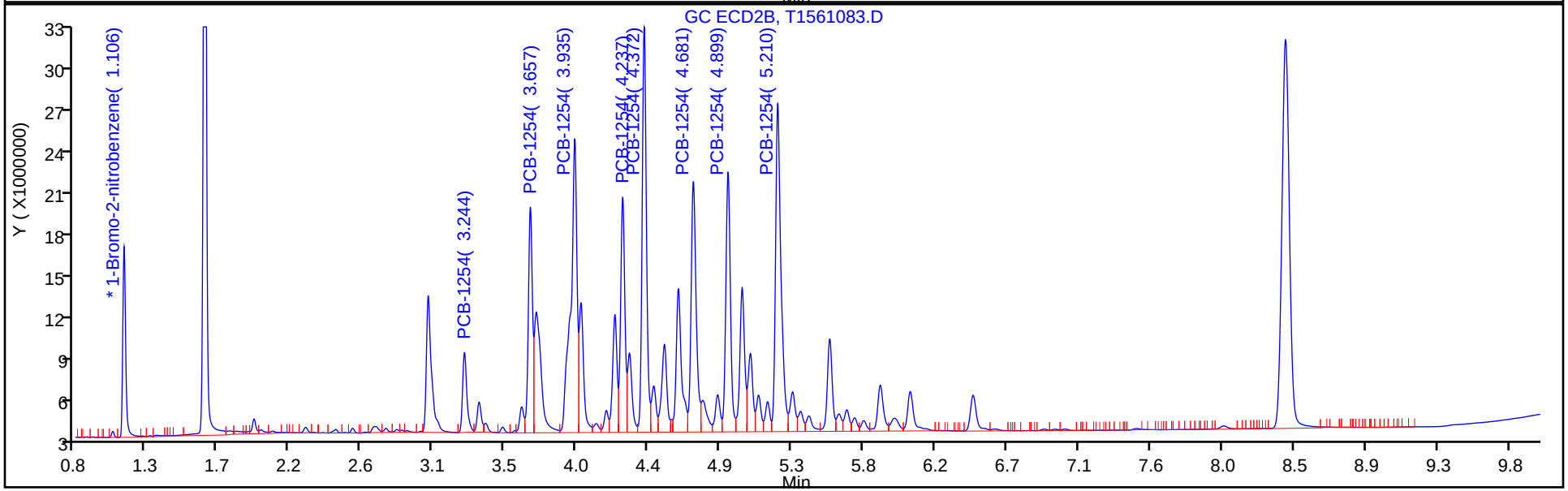
Lims ID: IC 1254 Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 12

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:36 Calibration End Date: 06/17/2019 19:36 Calibration ID: 75345

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/12	T1561083.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0122					Ave		0.0122						20.0			0.9900
PCB-1254 Peak 2	0.0332					Ave		0.0332						20.0			0.9900
PCB-1254 Peak 3	0.0655					Ave		0.0655						20.0			0.9900
PCB-1254 Peak 4	0.0356					Ave		0.0356						20.0			0.9900
PCB-1254 Peak 5	0.0616					Ave		0.0616						20.0			0.9900
PCB-1254 Peak 6	0.0454					Ave		0.0454						20.0			0.9900
PCB-1254 Peak 7	0.0431					Ave		0.0431						20.0			0.9900
PCB-1254 Peak 8	0.0638					Ave		0.0638						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:36 Calibration End Date: 06/17/2019 19:36 Calibration ID: 75345

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/12	T1561083.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	10814000					1000				
PCB-1254 Peak 2	BNB	Ave	29394853					1000				
PCB-1254 Peak 3	BNB	Ave	58031245					1000				
PCB-1254 Peak 4	BNB	Ave	31535509					1000				
PCB-1254 Peak 5	BNB	Ave	54623514					1000				
PCB-1254 Peak 6	BNB	Ave	40254290					1000				
PCB-1254 Peak 7	BNB	Ave	38183186					1000				
PCB-1254 Peak 8	BNB	Ave	56520266					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561083.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 19:36:14 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-012
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:33 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:50:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.188	1.188	0.000	16996050	20.0	20.0	M
2	1.106	1.106	0.000	17727195	20.0	20.0	
						RPD = 0.00	
7 PCB-1254							M
1	4.000	4.000	0.000	11831278	1000.0	1000.0	M
1	4.489	4.489	0.000	33519080	1000.0	1000.0	M
1	4.718	4.718	0.000	38618340	1000.0	1000.0	M
1	5.115	5.115	0.000	28889611	1000.0	1000.0	
1	5.250	5.250	0.000	54921806	1000.0	1000.0	
1	5.526	5.526	0.000	42162647	1000.0	1000.0	
1	5.975	5.975	0.000	37494487	1000.0	1000.0	
1	6.250	6.250	0.000	58677415	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	3.244	3.244	0.000	10814000	1000.0	1000.0	
2	3.657	3.657	0.000	29394853	1000.0	1000.0	M
2	3.935	3.935	0.000	58031245	1000.0	1000.0	M
2	4.237	4.237	0.000	31535509	1000.0	1000.0	M
2	4.372	4.372	0.000	54623514	1000.0	1000.0	M
2	4.681	4.681	0.000	40254290	1000.0	1000.0	M
2	4.899	4.899	0.000	38183186	1000.0	1000.0	M
2	5.210	5.210	0.000	56520266	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1254L4_00026	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:34 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561083.D

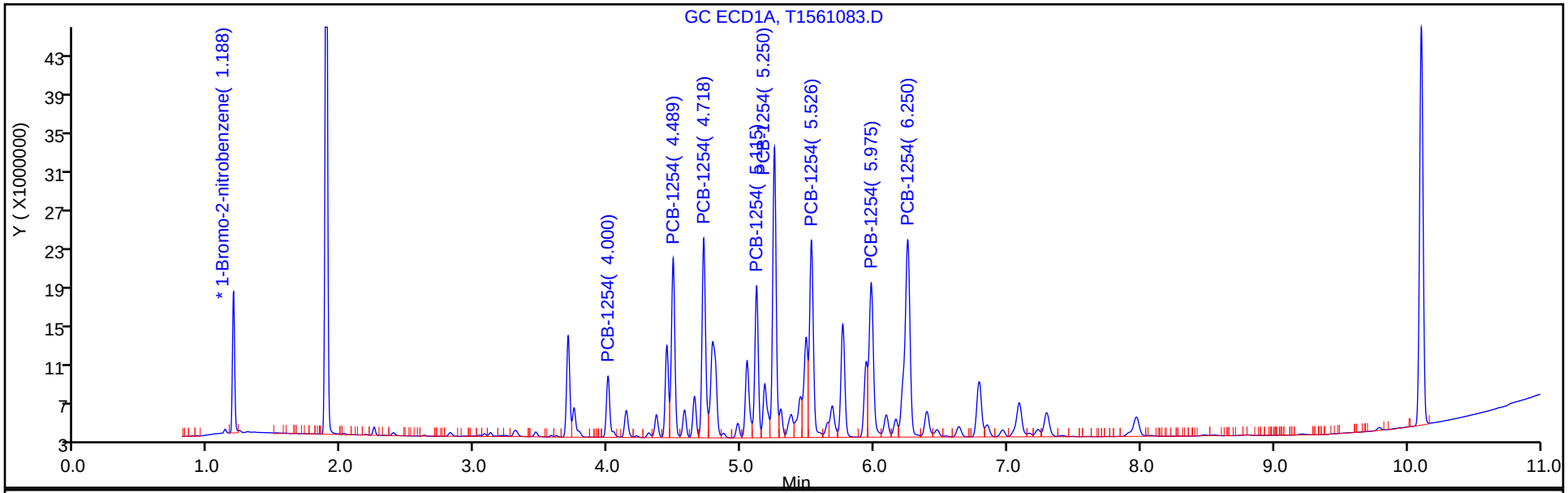
Injection Date: 17-Jun-2019 19:36:14 Instrument ID: CPESTGC11 Operator ID:

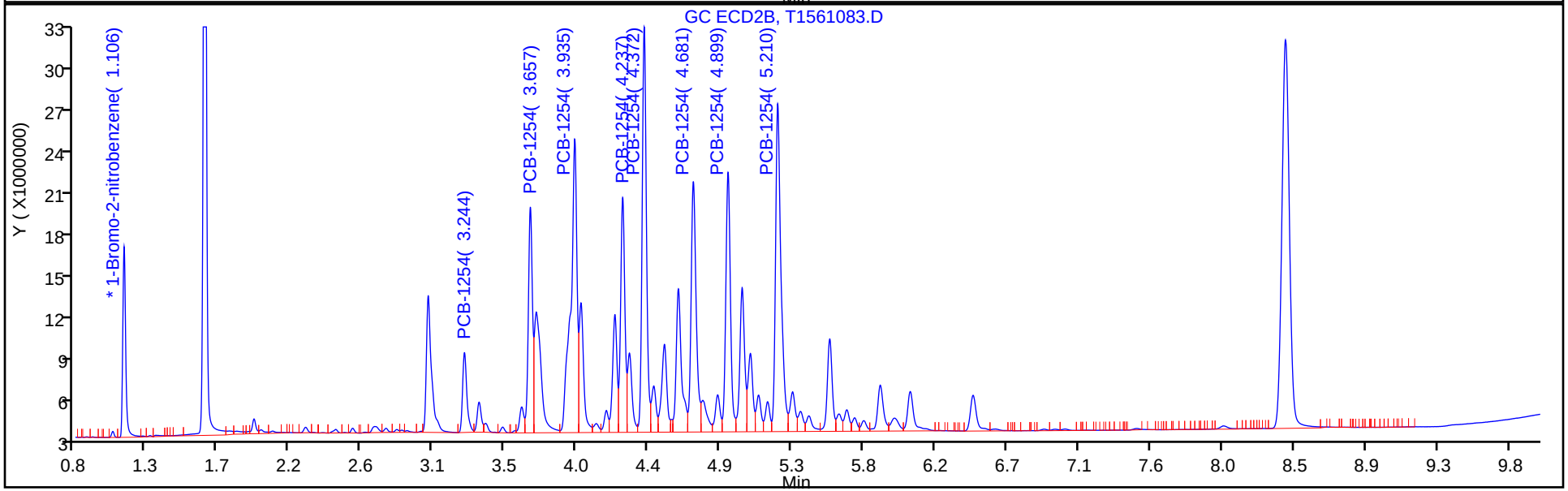
Lims ID: IC 1254 Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 12

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:53 Calibration End Date: 06/17/2019 19:53 Calibration ID: 75350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/13	T1561084.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0439					Ave		0.0439						20.0			0.9900
PCB-1262 Peak 2	0.0513					Ave		0.0513						20.0			0.9900
PCB-1262 Peak 3	0.0741					Ave		0.0741						20.0			0.9900
PCB-1262 Peak 4	0.0699					Ave		0.0699						20.0			0.9900
PCB-1262 Peak 5	0.1426					Ave		0.1426						20.0			0.9900
PCB-1262 Peak 6	0.0251					Ave		0.0251						20.0			0.9900
PCB-1262 Peak 7	0.0591					Ave		0.0591						20.0			0.9900
PCB-1262 Peak 8	0.0196					Ave		0.0196						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:53 Calibration End Date: 06/17/2019 19:53 Calibration ID: 75350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/13	T1561084.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	38932765					1000				
PCB-1262 Peak 2	BNB	Ave	45529684					1000				
PCB-1262 Peak 3	BNB	Ave	65749458					1000				
PCB-1262 Peak 4	BNB	Ave	61967366					1000				
PCB-1262 Peak 5	BNB	Ave	126471398					1000				
PCB-1262 Peak 6	BNB	Ave	22279759					1000				
PCB-1262 Peak 7	BNB	Ave	52385555					1000				
PCB-1262 Peak 8	BNB	Ave	17368191					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561084.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 19:53:27 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-013
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub8

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:37 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:51:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.189	1.189	0.000	17740238	20.0	20.0	
2	1.108	1.108	0.000	18350916	20.0	20.0	
						RPD = 0.00	
9 PCB-1262							M
1	5.487	5.487	0.000	38932765	1000.0	1000.0	
1	5.761	5.761	0.000	45529684	1000.0	1000.0	
1	6.390	6.390	0.000	65749458	1000.0	1000.0	
1	6.847	6.847	0.000	61967366	1000.0	1000.0	
1	7.292	7.292	0.000	126471398	1000.0	1000.0	
1	8.809	8.809	0.000	22279759	1000.0	1000.0	
1	9.208	9.208	0.000	52385555	1000.0	1000.0	
1	9.788	9.788	0.000	17368191	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	4.587	4.587	0.000	37683646	1000.0	1000.0	M
2	5.646	5.646	0.000	61118803	1000.0	1000.0	M
2	6.042	6.042	0.000	137275202	1000.0	1000.0	M
2	6.437	6.437	0.000	44945641	1000.0	1000.0	M
2	6.572	6.572	0.000	62712888	1000.0	1000.0	M
2	7.014	7.014	0.000	23436709	1000.0	1000.0	M
2	7.464	7.464	0.000	50282107	1000.0	1000.0	
2	8.009	8.009	0.000	19900526	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1262L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:38 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561084.D

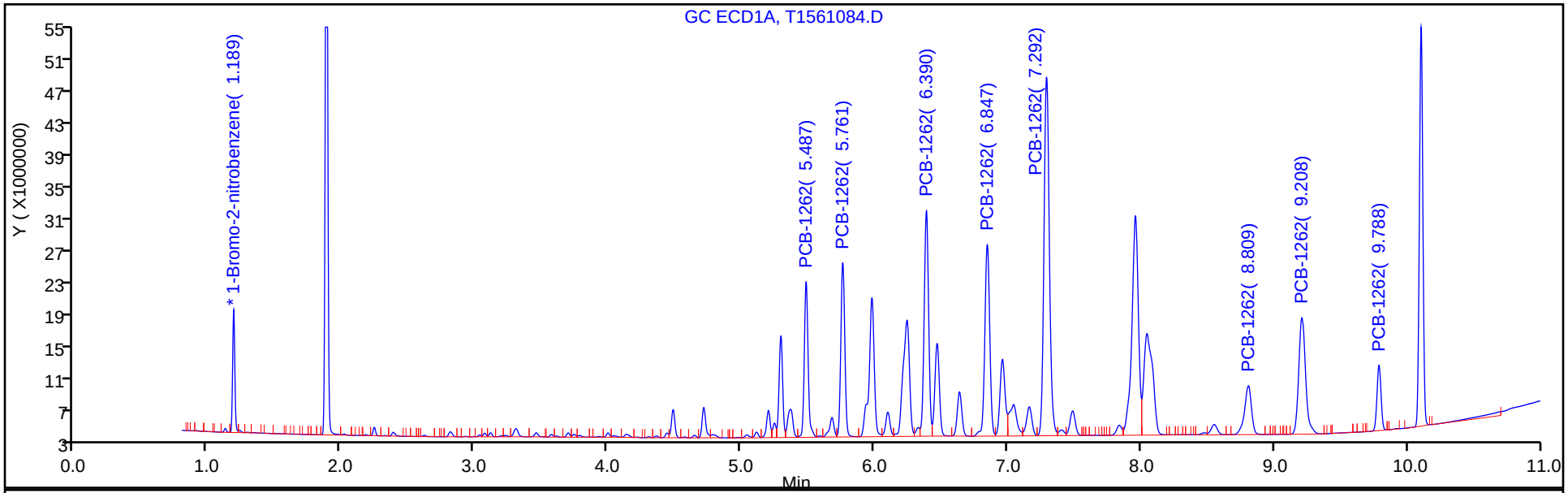
Injection Date: 17-Jun-2019 19:53:27 Instrument ID: CPESTGC11 Operator ID:

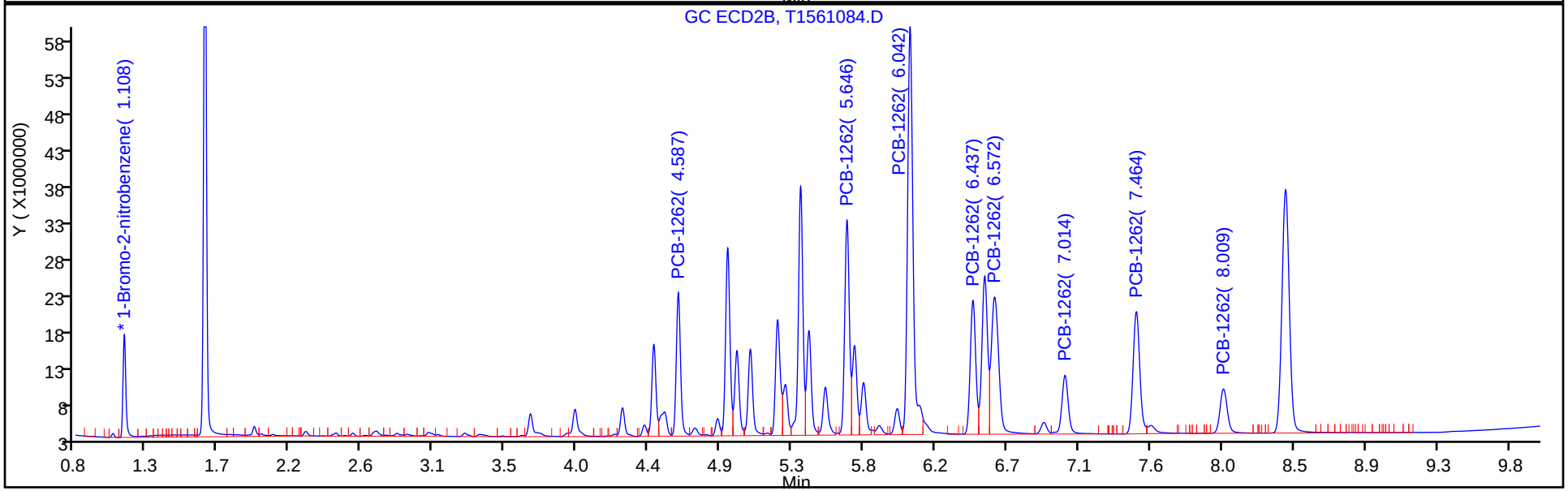
Lims ID: IC 1262 Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:53 Calibration End Date: 06/17/2019 19:53 Calibration ID: 75351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/13	T1561084.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0411					Ave		0.0411						20.0			0.9900
PCB-1262 Peak 2	0.0666					Ave		0.0666						20.0			0.9900
PCB-1262 Peak 3	0.1496					Ave		0.1496						20.0			0.9900
PCB-1262 Peak 4	0.0490					Ave		0.0490						20.0			0.9900
PCB-1262 Peak 5	0.0683					Ave		0.0683						20.0			0.9900
PCB-1262 Peak 6	0.0255					Ave		0.0255						20.0			0.9900
PCB-1262 Peak 7	0.0548					Ave		0.0548						20.0			0.9900
PCB-1262 Peak 8	0.0217					Ave		0.0217						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 19:53 Calibration End Date: 06/17/2019 19:53 Calibration ID: 75351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/13	T1561084.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	37683646					1000				
PCB-1262 Peak 2	BNB	Ave	61118803					1000				
PCB-1262 Peak 3	BNB	Ave	137275202					1000				
PCB-1262 Peak 4	BNB	Ave	44945641					1000				
PCB-1262 Peak 5	BNB	Ave	62712888					1000				
PCB-1262 Peak 6	BNB	Ave	23436709					1000				
PCB-1262 Peak 7	BNB	Ave	50282107					1000				
PCB-1262 Peak 8	BNB	Ave	19900526					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561084.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 19:53:27 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-013
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub8

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:37 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:51:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.189	1.189	0.000	17740238	20.0	20.0	
2	1.108	1.108	0.000	18350916	20.0	20.0	
						RPD = 0.00	
9 PCB-1262							M
1	5.487	5.487	0.000	38932765	1000.0	1000.0	
1	5.761	5.761	0.000	45529684	1000.0	1000.0	
1	6.390	6.390	0.000	65749458	1000.0	1000.0	
1	6.847	6.847	0.000	61967366	1000.0	1000.0	
1	7.292	7.292	0.000	126471398	1000.0	1000.0	
1	8.809	8.809	0.000	22279759	1000.0	1000.0	
1	9.208	9.208	0.000	52385555	1000.0	1000.0	
1	9.788	9.788	0.000	17368191	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	4.587	4.587	0.000	37683646	1000.0	1000.0	M
2	5.646	5.646	0.000	61118803	1000.0	1000.0	M
2	6.042	6.042	0.000	137275202	1000.0	1000.0	M
2	6.437	6.437	0.000	44945641	1000.0	1000.0	M
2	6.572	6.572	0.000	62712888	1000.0	1000.0	M
2	7.014	7.014	0.000	23436709	1000.0	1000.0	M
2	7.464	7.464	0.000	50282107	1000.0	1000.0	
2	8.009	8.009	0.000	19900526	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1262L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:38 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561084.D

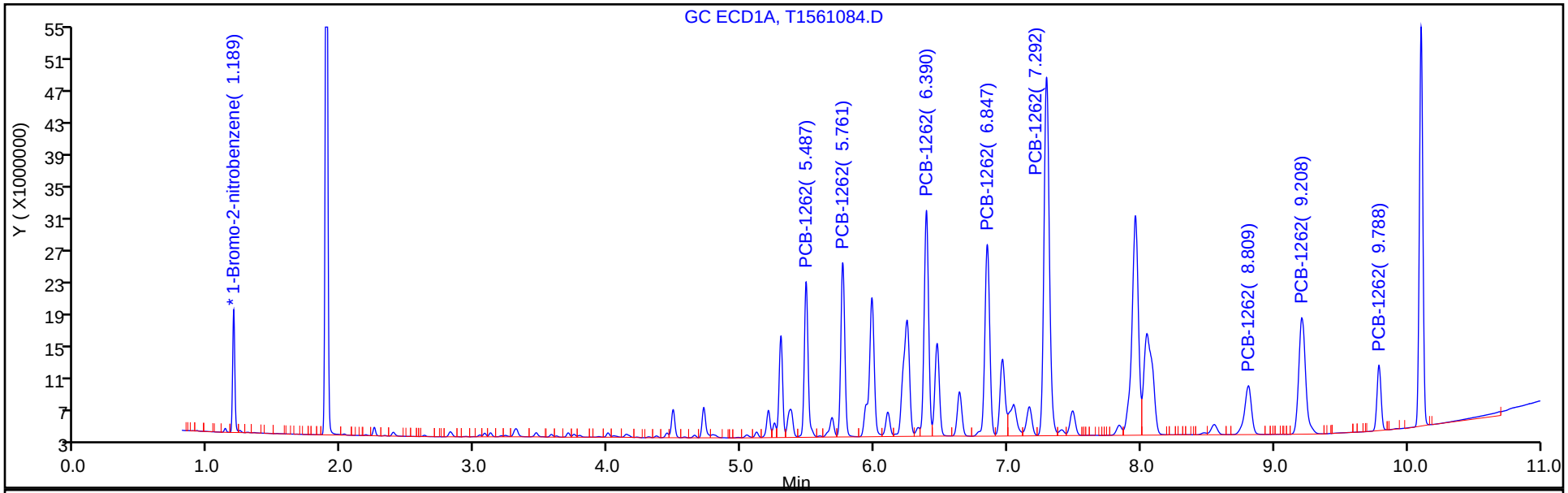
Injection Date: 17-Jun-2019 19:53:27 Instrument ID: CPESTGC11 Operator ID:

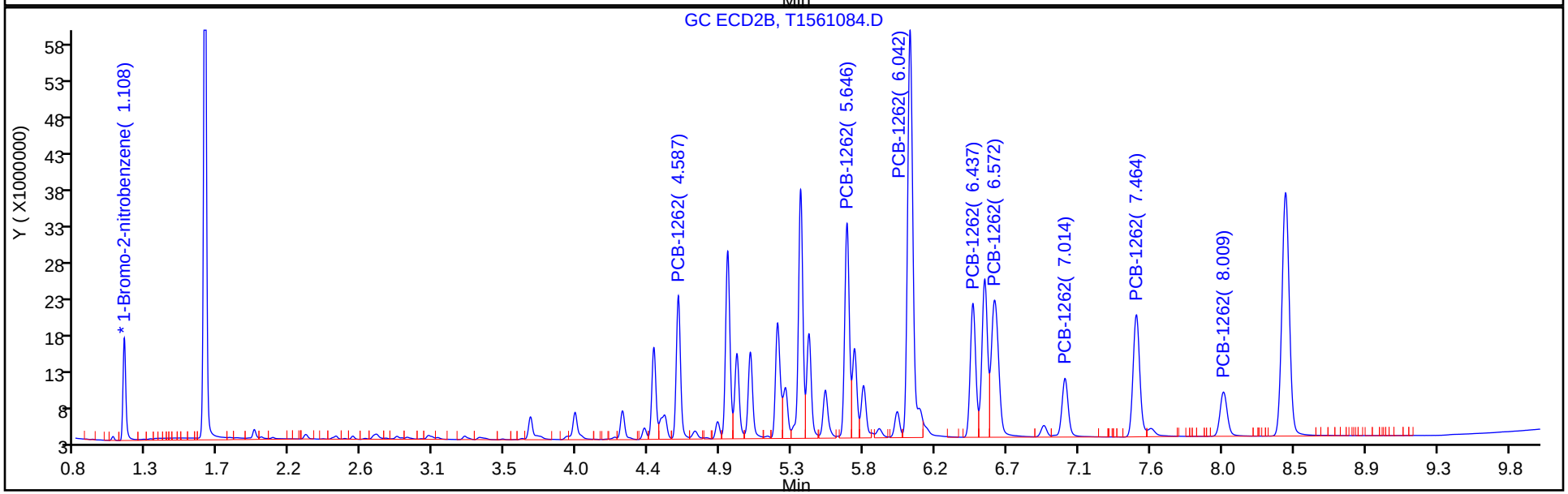
Lims ID: IC 1262 Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 20:10 Calibration End Date: 06/17/2019 20:10 Calibration ID: 75356

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/14	T1561085.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0263					Ave		0.0263						20.0			0.9900
PCB-1268 Peak 2	0.0346					Ave		0.0346						20.0			0.9900
PCB-1268 Peak 3	0.1520					Ave		0.1520						20.0			0.9900
PCB-1268 Peak 4	0.1455					Ave		0.1455						20.0			0.9900
PCB-1268 Peak 5	0.1251					Ave		0.1251						20.0			0.9900
PCB-1268 Peak 6	0.0357					Ave		0.0357						20.0			0.9900
PCB-1268 Peak 7	0.0566					Ave		0.0566						20.0			0.9900
PCB-1268 Peak 8	0.3714					Ave		0.3714						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 20:10 Calibration End Date: 06/17/2019 20:10 Calibration ID: 75356

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/14	T1561085.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	24178432					1000				
PCB-1268 Peak 2	BNB	Ave	31846678					1000				
PCB-1268 Peak 3	BNB	Ave	140039942					1000				
PCB-1268 Peak 4	BNB	Ave	133979911					1000				
PCB-1268 Peak 5	BNB	Ave	115247624					1000				
PCB-1268 Peak 6	BNB	Ave	32837099					1000				
PCB-1268 Peak 7	BNB	Ave	52094470					1000				
PCB-1268 Peak 8	BNB	Ave	342089036					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 20:10:39 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-014
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub9

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:41 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:52:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.189	1.189	0.000	18420724	20.0	20.0	M
2	1.107	1.107	0.000	18494337	20.0	20.0	
						RPD = 0.00	
10 PCB-1268							M
1	6.389	6.389	0.000	24178432	1000.0	1000.0	
1	6.852	6.852	0.000	31846678	1000.0	1000.0	
1	7.956	7.956	0.000	140039942	1000.0	1000.0	M
1	8.041	8.041	0.000	133979911	1000.0	1000.0	M
1	8.550	8.550	0.000	115247624	1000.0	1000.0	
1	8.757	8.757	0.000	32837099	1000.0	1000.0	
1	9.211	9.211	0.000	52094470	1000.0	1000.0	
1	9.789	9.789	0.000	342089036	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.354	5.354	0.000	24832508	1000.0	1000.0	M
2	5.648	5.648	0.000	32478210	1000.0	1000.0	M
2	6.510	6.510	0.000	141806922	1000.0	1000.0	M
2	6.565	6.565	0.000	144446727	1000.0	1000.0	M
2	6.881	6.881	0.000	121522672	1000.0	1000.0	M
2	7.014	7.014	0.000	35454825	1000.0	1000.0	M
2	7.462	7.462	0.000	54239655	1000.0	1000.0	M
2	8.009	8.009	0.000	392256100	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

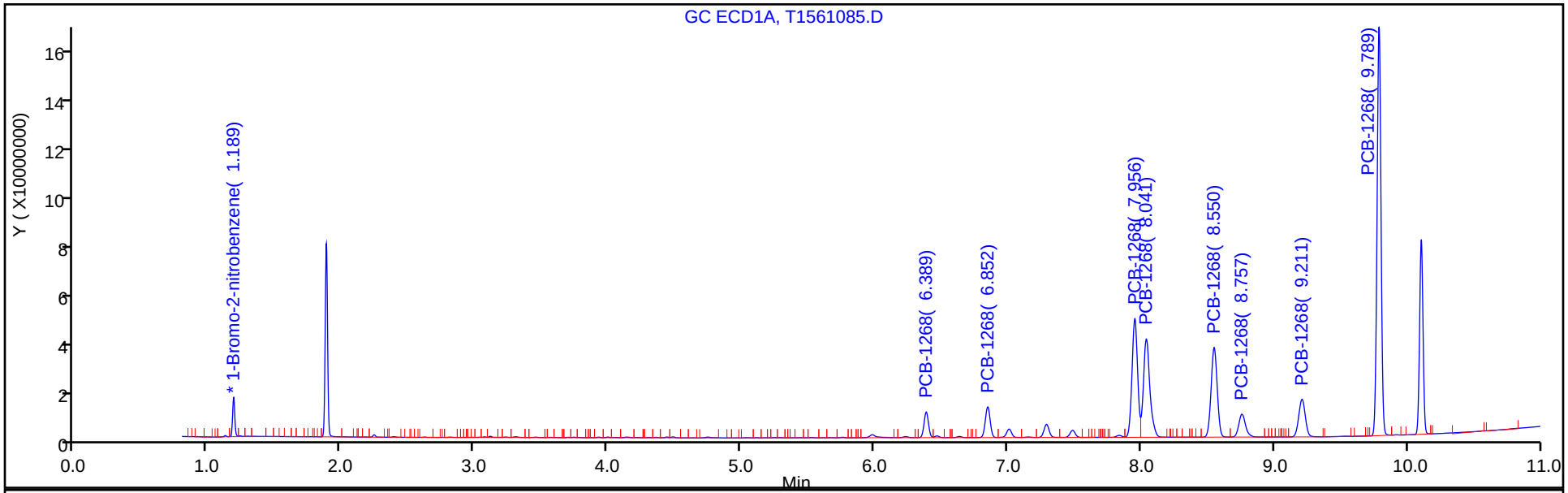
Reagents:

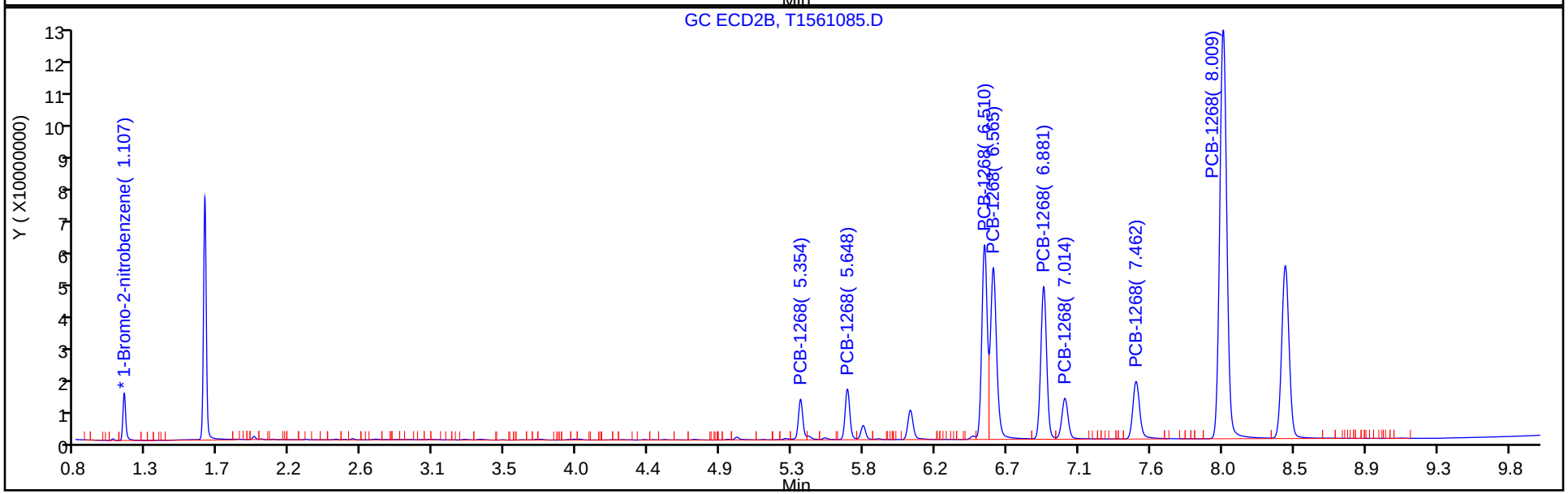
SG1268L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:42 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D				
Injection Date:	17-Jun-2019 20:10:39	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 20:10 Calibration End Date: 06/17/2019 20:10 Calibration ID: 75357

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/14	T1561085.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0269					Ave		0.0269						20.0			0.9900
PCB-1268 Peak 2	0.0351					Ave		0.0351						20.0			0.9900
PCB-1268 Peak 3	0.1534					Ave		0.1534						20.0			0.9900
PCB-1268 Peak 4	0.1562					Ave		0.1562						20.0			0.9900
PCB-1268 Peak 5	0.1314					Ave		0.1314						20.0			0.9900
PCB-1268 Peak 6	0.0383					Ave		0.0383						20.0			0.9900
PCB-1268 Peak 7	0.0587					Ave		0.0587						20.0			0.9900
PCB-1268 Peak 8	0.4242					Ave		0.4242						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 618192

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2019 20:10 Calibration End Date: 06/17/2019 20:10 Calibration ID: 75357

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-618192/14	T1561085.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	24832508					1000				
PCB-1268 Peak 2	BNB	Ave	32478210					1000				
PCB-1268 Peak 3	BNB	Ave	141806922					1000				
PCB-1268 Peak 4	BNB	Ave	144446727					1000				
PCB-1268 Peak 5	BNB	Ave	121522672					1000				
PCB-1268 Peak 6	BNB	Ave	35454825					1000				
PCB-1268 Peak 7	BNB	Ave	54239655					1000				
PCB-1268 Peak 8	BNB	Ave	392256100					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Jun-2019 20:10:39 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0092977-014
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub9

Method: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 18-Jun-2019 09:54:41 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 18-Jun-2019 09:52:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.189	1.189	0.000	18420724	20.0	20.0	M
2	1.107	1.107	0.000	18494337	20.0	20.0	
						RPD = 0.00	
10 PCB-1268							M
1	6.389	6.389	0.000	24178432	1000.0	1000.0	
1	6.852	6.852	0.000	31846678	1000.0	1000.0	
1	7.956	7.956	0.000	140039942	1000.0	1000.0	M
1	8.041	8.041	0.000	133979911	1000.0	1000.0	M
1	8.550	8.550	0.000	115247624	1000.0	1000.0	
1	8.757	8.757	0.000	32837099	1000.0	1000.0	
1	9.211	9.211	0.000	52094470	1000.0	1000.0	
1	9.789	9.789	0.000	342089036	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.354	5.354	0.000	24832508	1000.0	1000.0	M
2	5.648	5.648	0.000	32478210	1000.0	1000.0	M
2	6.510	6.510	0.000	141806922	1000.0	1000.0	M
2	6.565	6.565	0.000	144446727	1000.0	1000.0	M
2	6.881	6.881	0.000	121522672	1000.0	1000.0	M
2	7.014	7.014	0.000	35454825	1000.0	1000.0	M
2	7.462	7.462	0.000	54239655	1000.0	1000.0	M
2	8.009	8.009	0.000	392256100	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1268L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00013	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 18-Jun-2019 09:54:42 Chrom Revision: 2.3 02-Jun-2019 10:27:32

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

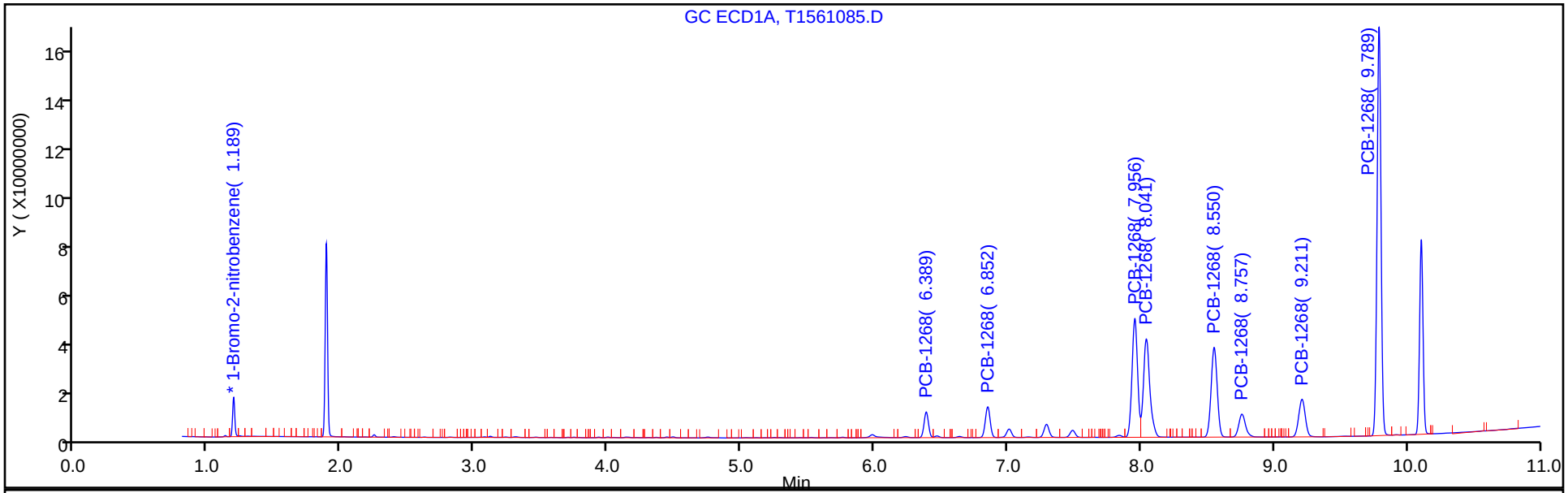
Injection Date: 17-Jun-2019 20:10:39 Instrument ID: CPESTGC11 Operator ID:

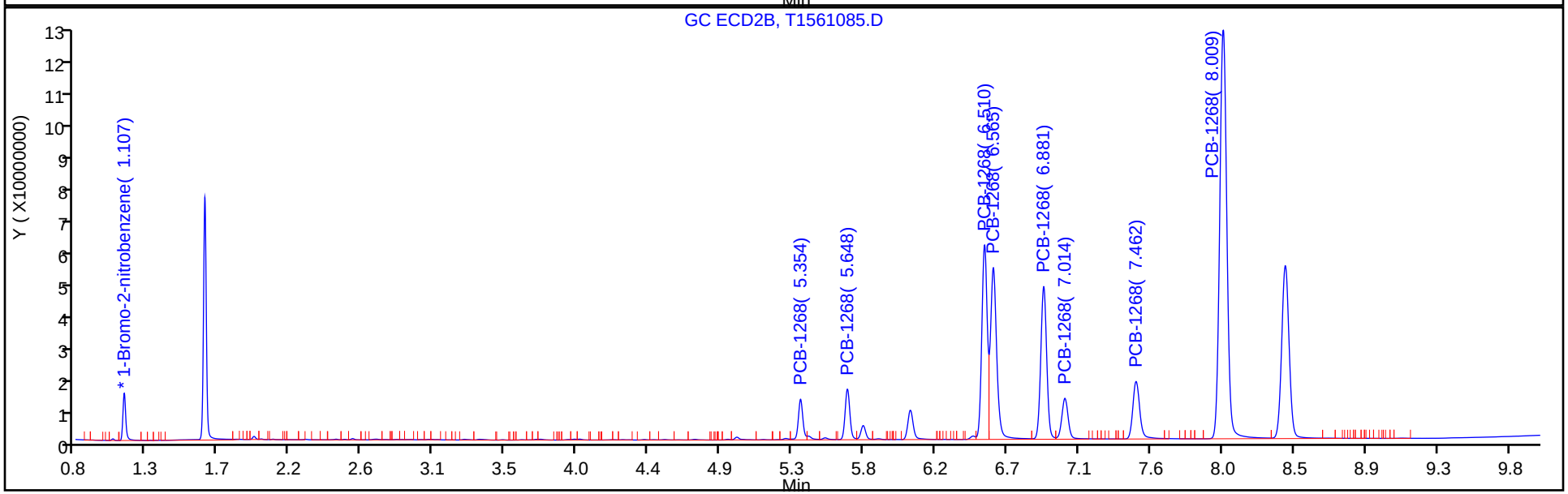
Lims ID: IC 1268 Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 14

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 10:39 Calibration End Date: 07/08/2019 12:14 Calibration ID: 75587

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/3	7R005866.D
Level 2	IC 460-622994/4	7R005867.D
Level 3	IC 460-622994/2	7R005865.D
Level 4	IC 460-622994/5	7R005868.D
Level 5	IC 460-622994/6	7R005869.D

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								
PCB-1016 Peak 1	0.0102	0.0126	0.0114	0.0116	0.0127	Ave		0.0117				8.6		20.0			0.9900
PCB-1016 Peak 2	0.0176	0.0203	0.0184	0.0187	0.0195	Ave		0.0189				5.4		20.0			0.9900
PCB-1016 Peak 3	0.0470	0.0516	0.0455	0.0454	0.0473	Ave		0.0474				5.3		20.0			0.9900
PCB-1016 Peak 4	0.0218	0.0237	0.0212	0.0216	0.0228	Ave		0.0222				4.6		20.0			0.9900
PCB-1016 Peak 5	0.0183	0.0204	0.0183	0.0190	0.0202	Ave		0.0192				5.1		20.0			0.9900
PCB-1016 Peak 6	0.0208	0.0239	0.0211	0.0217	0.0228	Ave		0.0221				5.9		20.0			0.9900
PCB-1016 Peak 7	0.0187	0.0237	0.0210	0.0215	0.0230	Ave		0.0216				9.1		20.0			0.9900
PCB-1016 Peak 8	0.0253	0.0347	0.0322	0.0329	0.0352	Ave		0.0321				12.3		20.0			0.9900
PCB-1260 Peak 1	0.0401	0.0491	0.0441	0.0453	0.0498	Ave		0.0457				8.6		20.0			0.9900
PCB-1260 Peak 2	0.0743	0.0875	0.0770	0.0784	0.0839	Ave		0.0802				6.7		20.0			0.9900
PCB-1260 Peak 3	0.0746	0.1084	0.1152	0.1036	0.1196	Ave		0.1043				17.0		20.0			0.9900
PCB-1260 Peak 4	0.0637	0.0785	0.0711	0.0726	0.0789	Ave		0.0729				8.5		20.0			0.9900
PCB-1260 Peak 5	0.0598	0.0678	0.0613	0.0626	0.0681	Ave		0.0639				6.0		20.0			0.9900
PCB-1260 Peak 6	0.1255	0.1485	0.1353	0.1395	0.1518	Ave		0.1401				7.5		20.0			0.9900
PCB-1260 Peak 7	0.0809	0.0972	0.0890	0.0924	0.0997	Ave		0.0918				8.0		20.0			0.9900
PCB-1260 Peak 8	0.0220	0.0277	0.0257	0.0265	0.0292	Ave		0.0262				10.2		20.0			0.9900
Tetrachloro-m-xylene	0.5146	0.6825	0.6238	0.5701	0.6391	Ave		0.6060				10.7		20.0			0.9900
DCB Decachlorobiphenyl	0.7119	0.9374	0.8135	0.7811	0.8828	Ave		0.8254				10.6		20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 10:39 Calibration End Date: 07/08/2019 12:14 Calibration ID: 75587

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/3	7R005866.D
Level 2	IC 460-622994/4	7R005867.D
Level 3	IC 460-622994/2	7R005865.D
Level 4	IC 460-622994/5	7R005868.D
Level 5	IC 460-622994/6	7R005869.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	1831	21132	35779	55873	96992	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	3151	33936	57657	89593	149233	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	8415	86371	142331	218194	361206	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	3891	39637	66287	103706	174232	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	3275	34099	57295	91190	153944	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	3713	40055	66067	104138	174474	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	3338	39722	65711	103018	175928	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	4530	58080	100778	158182	268572	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	7167	82161	137959	217403	379884	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	13283	146423	240975	376570	640958	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	13342	181451	360289	497530	913360	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	11387	131423	222373	348495	602156	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	10688	113534	191860	300660	519662	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	22439	248595	423341	669550	1158940	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	14473	162699	278417	443732	761321	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	3943	46308	80295	127364	222682	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	23009	114266	195161	273713	390424	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	31833	156945	254489	375046	539291	12.5	50.0	100	150	200

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005865.D
Lims ID: IC PCB 3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 08-Jul-2019 10:39:41 ALS Bottle#: 20 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:11 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:39:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	62567	20.0	20.0	M
2	2.947	2.947	0.000	33937	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.260	5.260	0.000	195161	100.0	102.9	
2	4.353	4.353	0.000	194495	100.0	103.7	
						RPD = 0.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.283	6.283	0.000	35779	1000.0	975.3	
1	7.067	7.067	0.000	57657	1000.0	974.9	M
1	7.887	7.887	0.000	142331	1000.0	960.3	M
1	8.127	8.127	0.000	66287	1000.0	954.2	M
1	8.303	8.303	0.000	57295	1000.0	952.4	M
1	9.163	9.163	0.000	66067	1000.0	957.0	M
1	9.677	9.677	0.000	65711	1000.0	973.5	M
1	10.013	10.013	0.000	100778	1000.0	1004.5	M
		Average of Peak Amounts =				969.0	
2	5.080	5.080	0.000	45036	1000.0	933.8	
2	5.733	5.733	0.000	87187	1000.0	926.5	M
2	6.080	6.080	0.000	56036	1000.0	943.6	M
2	6.547	6.547	0.000	159139	1000.0	947.7	M
2	6.777	6.777	0.000	71340	1000.0	942.7	M
2	6.880	6.880	0.000	43134	1000.0	941.9	M
2	7.483	7.483	0.000	75119	1000.0	945.4	M
2	8.127	8.127	0.000	45961	1000.0	931.0	M
		Average of Peak Amounts =				939.1	
						RPD = 3.14	
8 PCB-1260							Ma
1	10.930	10.930	0.000	137959	1000.0	965.9	M
1	11.277	11.277	0.000	240975	1000.0	960.2	M
1	11.803	11.803	0.000	360289	1000.0	1104.5	M
1	13.067	13.067	0.000	222373	1000.0	974.6	M
1	13.843	13.843	0.000	191860	1000.0	959.5	
1	14.500	14.500	0.000	423341	1000.0	965.9	
1	15.323	15.323	0.000	278417	1000.0	969.0	
1	16.390	16.390	0.000	80295	1000.0	979.2	
		Average of Peak Amounts =				984.9	
2	9.513	9.513	0.000	109566	1000.0	924.9	M
2	10.430	10.430	0.000	189971	1000.0	936.7	M
2	10.653	10.653	0.000	86769	1000.0	974.7	M
2	11.133	11.133	0.000	91499	1000.0	932.8	M
2	11.867	11.867	0.000	205379	1000.0	956.1	M
2	12.613	12.613	0.000	111074	1000.0	951.5	M
2	12.877	12.877	0.000	55800	1000.0	958.8	M
2	14.293	14.293	0.000	47312	1000.0	940.0	
		Average of Peak Amounts =				946.9	
						RPD = 3.93	
$ 11 DCB Decachlorobiphenyl							
1	17.070	17.070	0.000	254489	100.0	98.6	
2	15.373	15.373	0.000	194770	100.0	96.0	
						RPD = 2.67	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

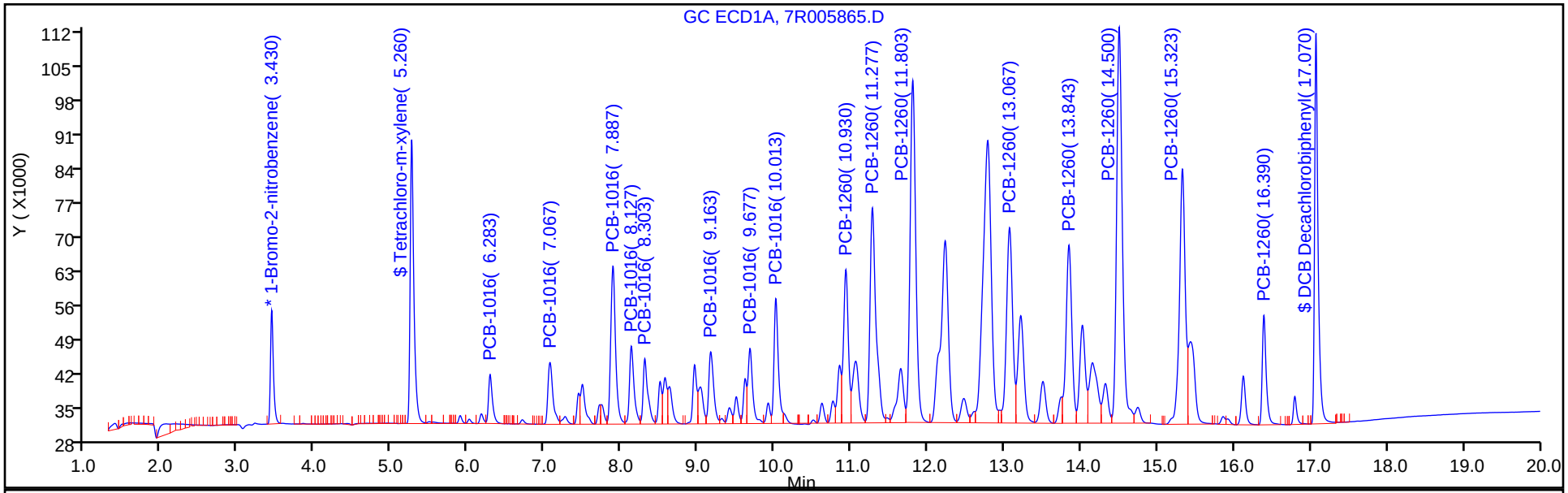
Reagents:

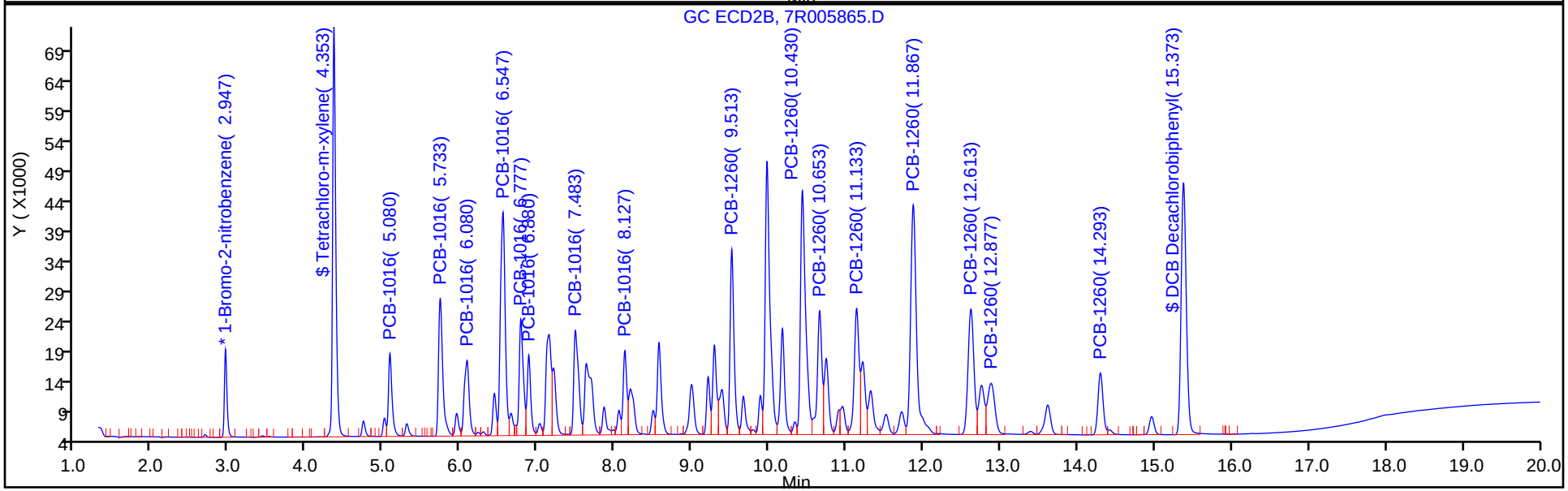
SG1660L3_00034	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:12 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005865.D				
Injection Date:	08-Jul-2019 10:39:41	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 3			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005866.D
Lims ID: IC PCB 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-Jul-2019 11:03:10 ALS Bottle#: 21 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:26 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:41:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	71543	20.0	20.0	M
2	2.947	2.947	0.000	38409	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.257	5.260	-0.003	23009	12.5	10.6	
2	4.357	4.353	0.004	20161	12.5	9.50	
						RPD = 11.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.280	6.283	-0.003	1831	50.0	43.6	
1	7.067	7.067	0.000	3151	50.0	46.6	M
1	7.887	7.887	0.000	8415	50.0	49.7	M
1	8.127	8.127	0.000	3891	50.0	49.0	M
1	8.303	8.303	0.000	3275	50.0	47.6	M
1	9.163	9.163	0.000	3713	50.0	47.0	M
1	9.677	9.677	0.000	3338	50.0	43.2	M
1	10.013	10.013	0.000	4530	50.0	39.5	M
		Average of Peak Amounts =				45.8	
2	5.083	5.080	0.003	2974	50.0	54.5	
2	5.733	5.733	0.000	6021	50.0	56.5	
2	6.083	6.080	0.003	3431	50.0	51.0	
2	6.547	6.547	0.000	9359	50.0	49.2	
2	6.780	6.777	0.003	4400	50.0	51.4	
2	6.880	6.880	0.000	2441	50.0	47.1	
2	7.487	7.483	0.004	4507	50.0	50.1	
2	8.127	8.127	0.000	2997	50.0	53.6	
		Average of Peak Amounts =				51.7	
						RPD = 12.13	
8 PCB-1260							Ma
1	10.927	10.930	-0.003	7167	50.0	43.9	M
1	11.273	11.277	-0.004	13283	50.0	46.3	M
1	11.790	11.803	-0.013	13342	50.0	35.8	M
1	13.063	13.067	-0.004	11387	50.0	43.6	
1	13.840	13.843	-0.003	10688	50.0	46.7	
1	14.497	14.500	-0.003	22439	50.0	44.8	
1	15.320	15.323	-0.003	14473	50.0	44.1	
1	16.387	16.390	-0.003	3943	50.0	42.1	
		Average of Peak Amounts =				43.4	
2	9.517	9.513	0.004	7365	50.0	54.9	M
2	10.430	10.430	0.000	11604	50.0	50.6	M
2	10.650	10.653	-0.003	4931	50.0	48.9	M
2	11.133	11.133	0.000	5795	50.0	52.2	M
2	11.867	11.867	0.000	11298	50.0	46.5	M
2	12.617	12.613	0.004	6099	50.0	46.2	
2	12.877	12.877	0.000	2988	50.0	45.4	
2	14.293	14.293	0.000	2701	50.0	47.4	
		Average of Peak Amounts =				49.0	
						RPD = 12.13	
$ 11 DCB Decachlorobiphenyl							
1	17.067	17.070	-0.003	31833	12.5	10.8	
2	15.373	15.373	0.000	26926	12.5	11.7	
						RPD = 8.35	
S 12 Polychlorinated biphenyls, Total							
1						89.2	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

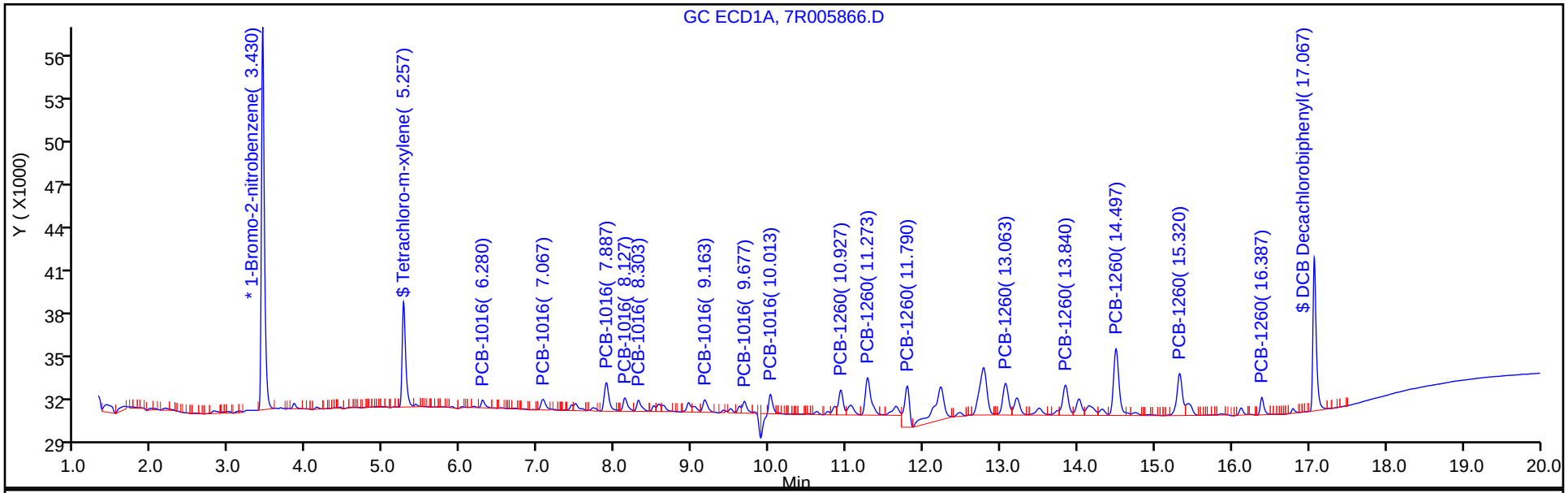
Reagents:

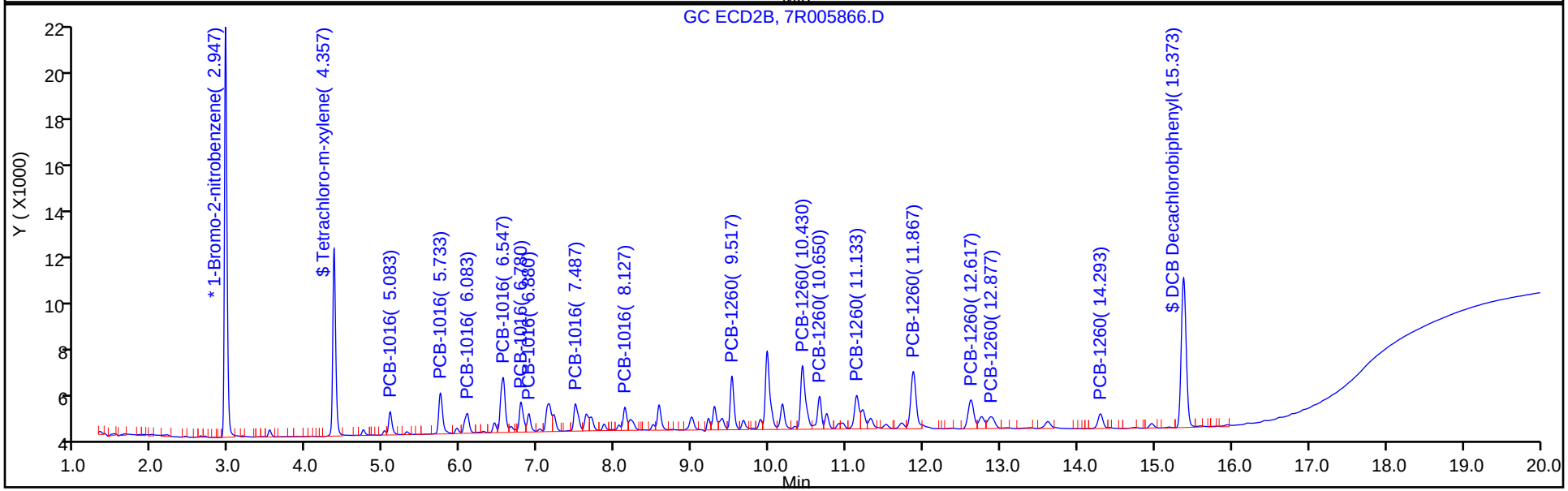
SG1660L1_00019	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:27 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005866.D				
Injection Date:	08-Jul-2019 11:03:10	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005867.D
Lims ID: IC PCB 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-Jul-2019 11:26:55 ALS Bottle#: 22 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-004
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:34 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:41:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	66971	20.0	20.0	
2	2.947	2.947	0.000	35210	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.260	5.260	0.000	114266	50.0	56.3	
2	4.353	4.353	0.000	110365	50.0	56.7	
						RPD = 0.74	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.283	6.283	0.000	21132	500.0	538.1	
1	7.067	7.067	0.000	33936	500.0	536.1	
1	7.887	7.887	0.000	86371	500.0	544.4	M
1	8.127	8.127	0.000	39637	500.0	533.0	M
1	8.303	8.303	0.000	34099	500.0	529.6	M
1	9.163	9.163	0.000	40055	500.0	542.0	M
1	9.677	9.677	0.000	39722	500.0	549.8	M
1	10.013	10.013	0.000	58080	500.0	540.8	M
		Average of Peak Amounts =				539.2	
2	5.080	5.080	0.000	27347	500.0	546.5	
2	5.733	5.733	0.000	53283	500.0	545.7	
2	6.080	6.080	0.000	33344	500.0	541.2	
2	6.547	6.547	0.000	94132	500.0	540.3	
2	6.780	6.777	0.003	42383	500.0	539.8	
2	6.880	6.880	0.000	25079	500.0	527.9	
2	7.487	7.483	0.004	44591	500.0	540.9	M
2	8.127	8.127	0.000	27774	500.0	542.3	M
		Average of Peak Amounts =				540.6	
						RPD = 0.25	
8 PCB-1260							Ma
1	10.930	10.930	0.000	82161	500.0	537.4	M
1	11.277	11.277	0.000	146423	500.0	545.1	M
1	11.800	11.803	-0.003	181451	500.0	519.7	M
1	13.067	13.067	0.000	131423	500.0	538.1	
1	13.840	13.843	-0.003	113534	500.0	530.5	
1	14.500	14.500	0.000	248595	500.0	529.9	
1	15.323	15.323	0.000	162699	500.0	529.0	
1	16.387	16.390	-0.003	46308	500.0	527.6	
		Average of Peak Amounts =				532.2	
2	9.513	9.513	0.000	66701	500.0	542.7	M
2	10.430	10.430	0.000	113445	500.0	539.2	M
2	10.653	10.653	0.000	49956	500.0	540.9	M
2	11.133	11.133	0.000	54355	500.0	534.1	M
2	11.870	11.867	0.003	120164	500.0	539.2	M
2	12.617	12.613	0.004	63960	500.0	528.1	
2	12.877	12.877	0.000	32241	500.0	533.9	
2	14.297	14.293	0.004	27732	500.0	531.0	
		Average of Peak Amounts =				536.1	
						RPD = 0.74	
$ 11 DCB Decachlorobiphenyl							
1	17.067	17.070	-0.003	156945	50.0	56.8	
2	15.373	15.373	0.000	121989	50.0	57.9	
						RPD = 1.99	
S 12 Polychlorinated biphenyls, Total							
1						1071.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

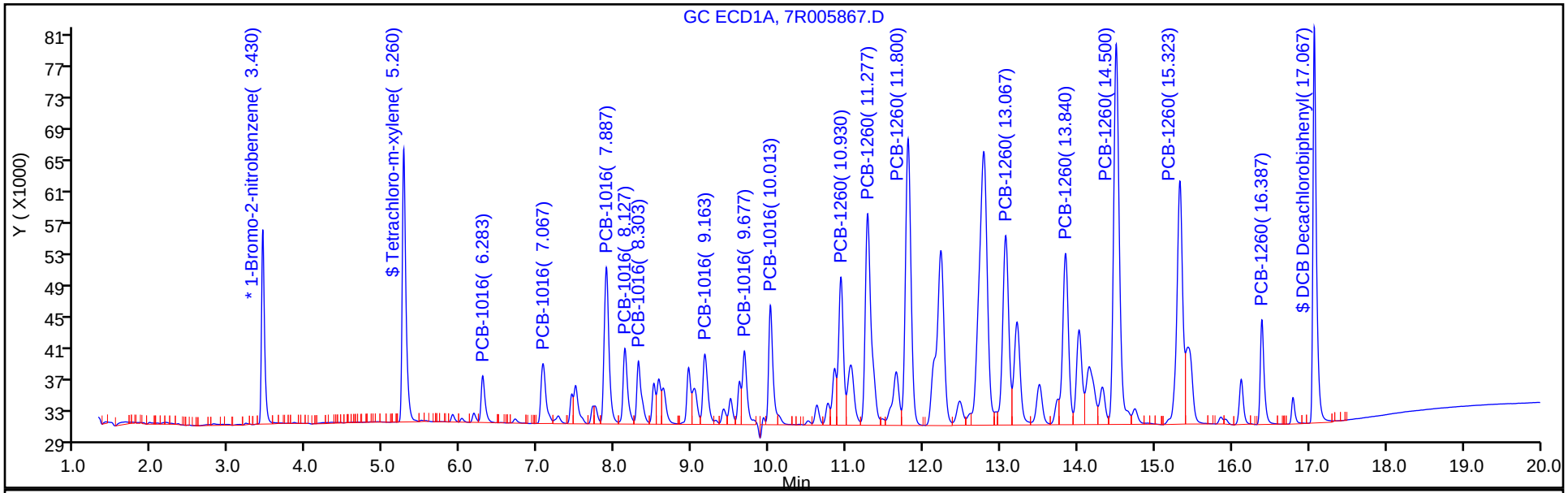
Reagents:

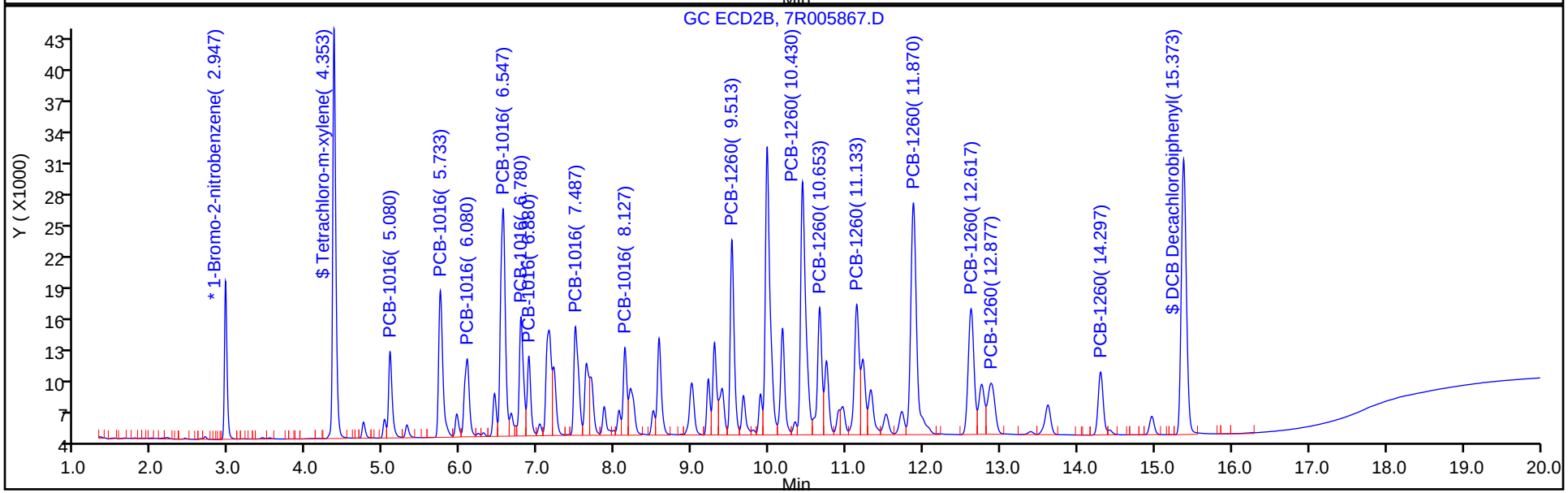
SG1660L2_00028	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:35 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005867.D				
Injection Date:	08-Jul-2019 11:26:55	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 2			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005868.D
Lims ID: IC PCB 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-Jul-2019 11:50:37 ALS Bottle#: 23 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-005
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:45 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:42:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	64017	20.0	20.0	
2	2.947	2.947	0.000	33600	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.257	5.260	-0.003	273713	150.0	141.1	
2	4.353	4.353	0.000	272731	150.0	146.9	
						RPD = 4.02	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.283	6.283	0.000	55873	1500.0	1488.5	
1	7.063	7.067	-0.004	89593	1500.0	1480.6	M
1	7.887	7.887	0.000	218194	1500.0	1438.8	M
1	8.127	8.127	0.000	103706	1500.0	1459.0	M
1	8.303	8.303	0.000	91190	1500.0	1481.6	M
1	9.163	9.163	0.000	104138	1500.0	1474.3	M
1	9.677	9.677	0.000	103018	1500.0	1491.6	M
1	10.013	10.013	0.000	158182	1500.0	1541.0	M
		Average of Peak Amounts =				1481.9	
2	5.080	5.080	0.000	66896	1500.0	1400.9	
2	5.733	5.733	0.000	129072	1500.0	1385.3	
2	6.080	6.080	0.000	84699	1500.0	1440.5	
2	6.547	6.547	0.000	243162	1500.0	1462.6	
2	6.777	6.777	0.000	107928	1500.0	1440.4	
2	6.880	6.880	0.000	67702	1500.0	1493.2	
2	7.483	7.483	0.000	114144	1500.0	1451.0	
2	8.127	8.127	0.000	69091	1500.0	1413.6	
		Average of Peak Amounts =				1436.0	
						RPD = 3.15	
8 PCB-1260							Ma
1	10.927	10.930	-0.003	217403	1500.0	1487.7	M
1	11.273	11.277	-0.004	376570	1500.0	1466.5	M
1	11.800	11.803	-0.003	497530	1500.0	1490.6	M
1	13.067	13.067	0.000	348495	1500.0	1492.7	M
1	13.843	13.843	0.000	300660	1500.0	1469.6	
1	14.500	14.500	0.000	669550	1500.0	1493.1	
1	15.323	15.323	0.000	443732	1500.0	1509.4	
1	16.390	16.390	0.000	127364	1500.0	1518.0	
		Average of Peak Amounts =				1491.0	
2	9.513	9.513	0.000	164137	1500.0	1399.5	M
2	10.430	10.430	0.000	290473	1500.0	1446.7	M
2	10.650	10.653	-0.003	127210	1500.0	1443.2	M
2	11.133	11.133	0.000	139700	1500.0	1438.4	M
2	11.867	11.867	0.000	316295	1500.0	1487.3	M
2	12.617	12.613	0.004	172492	1500.0	1492.4	
2	12.877	12.877	0.000	85342	1500.0	1481.1	
2	14.293	14.293	0.000	73915	1500.0	1483.2	
		Average of Peak Amounts =				1459.0	
						RPD = 2.17	
$ 11 DCB Decachlorobiphenyl							
1	17.070	17.070	0.000	375046	150.0	142.0	
2	15.373	15.373	0.000	280063	150.0	139.4	
						RPD = 1.84	
S 12 Polychlorinated biphenyls, Total							
1						2972.9	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

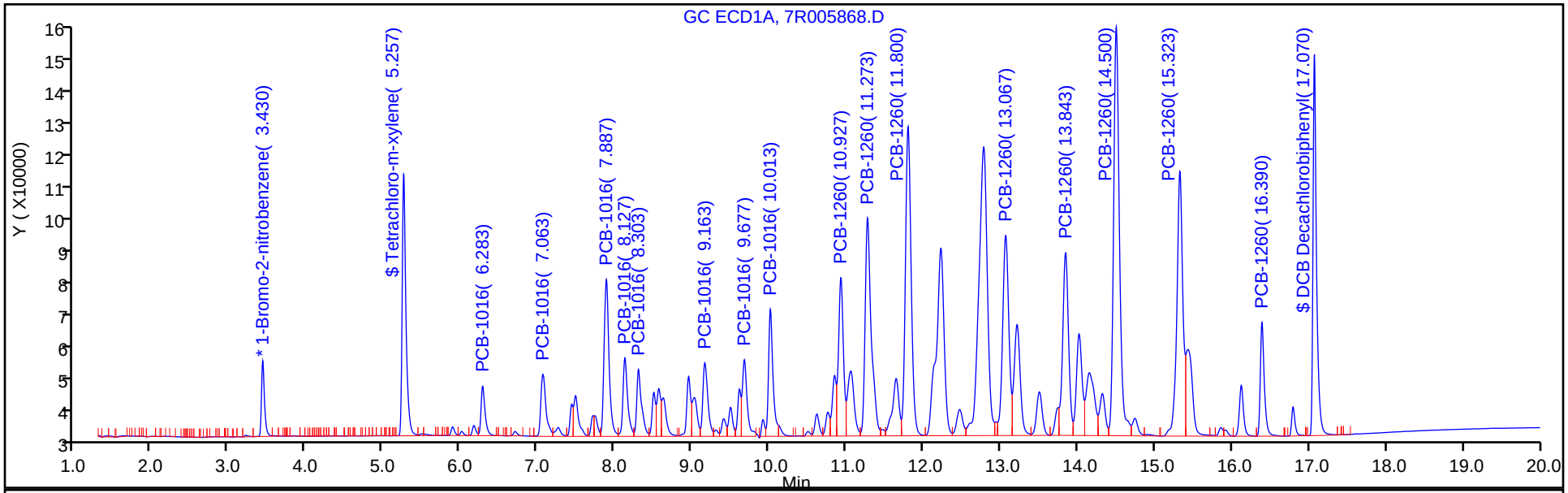
Reagents:

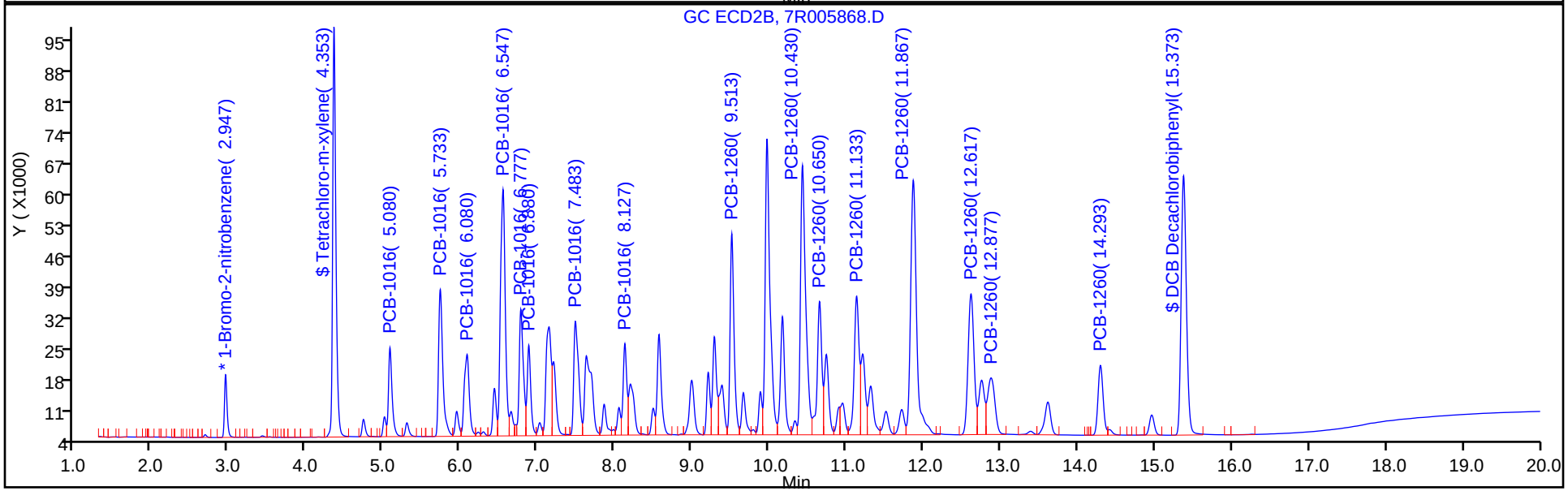
SG1660L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:46 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005868.D				
Injection Date:	08-Jul-2019 11:50:37	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005869.D
Lims ID: IC PCB 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 08-Jul-2019 12:14:18 ALS Bottle#: 24 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-006
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:52 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:43:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	61086	20.0	20.0	
2	2.947	2.947	0.000	32463	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.260	5.260	0.000	390424	200.0	210.9	
2	4.353	4.353	0.000	390772	200.0	217.8	
						RPD = 3.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.283	6.283	0.000	96992	2500.0	2707.9	M
1	7.067	7.067	0.000	149233	2500.0	2584.6	M
1	7.887	7.887	0.000	361206	2500.0	2496.2	M
1	8.127	8.127	0.000	174232	2500.0	2568.8	M
1	8.303	8.303	0.000	153944	2500.0	2621.1	M
1	9.163	9.163	0.000	174474	2500.0	2588.5	M
1	9.677	9.677	0.000	175928	2500.0	2669.4	M
1	10.013	10.013	0.000	268572	2500.0	2741.9	M
		Average of Peak Amounts =				2622.3	
2	5.080	5.080	0.000	109517	2500.0	2373.8	
2	5.733	5.733	0.000	208834	2500.0	2319.9	
2	6.080	6.080	0.000	140994	2500.0	2482.0	
2	6.547	6.547	0.000	406322	2500.0	2529.5	
2	6.777	6.777	0.000	179184	2500.0	2475.2	
2	6.880	6.880	0.000	116620	2500.0	2662.3	
2	7.483	7.483	0.000	190569	2500.0	2507.4	
2	8.127	8.127	0.000	114408	2500.0	2422.8	
		Average of Peak Amounts =				2471.6	
						RPD = 5.92	
8 PCB-1260							Ma
1	10.930	10.930	0.000	379884	2500.0	2724.3	M
1	11.277	11.277	0.000	640958	2500.0	2615.8	M
1	11.803	11.803	0.000	913360	2500.0	2867.8	M
1	13.067	13.067	0.000	602156	2500.0	2703.0	M
1	13.843	13.843	0.000	519662	2500.0	2662.0	M
1	14.500	14.500	0.000	1158940	2500.0	2708.4	M
1	15.327	15.323	0.004	761321	2500.0	2714.0	
1	16.390	16.390	0.000	222682	2500.0	2781.4	
		Average of Peak Amounts =				2722.1	
2	9.513	9.513	0.000	271370	2500.0	2394.9	
2	10.430	10.430	0.000	489511	2500.0	2523.4	
2	10.653	10.653	0.000	213470	2500.0	2506.7	
2	11.133	11.133	0.000	233671	2500.0	2490.3	a
2	11.867	11.867	0.000	536559	2500.0	2611.3	
2	12.617	12.613	0.004	299892	2500.0	2685.5	M
2	12.877	12.877	0.000	150135	2500.0	2696.8	M
2	14.293	14.293	0.000	127697	2500.0	2652.2	
		Average of Peak Amounts =				2570.1	
						RPD = 5.74	
$ 11 DCB Decachlorobiphenyl							
1	17.070	17.070	0.000	539291	200.0	213.9	
2	15.373	15.373	0.000	394088	200.0	203.0	
						RPD = 5.25	
S 12 Polychlorinated biphenyls, Total							
1						5344.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

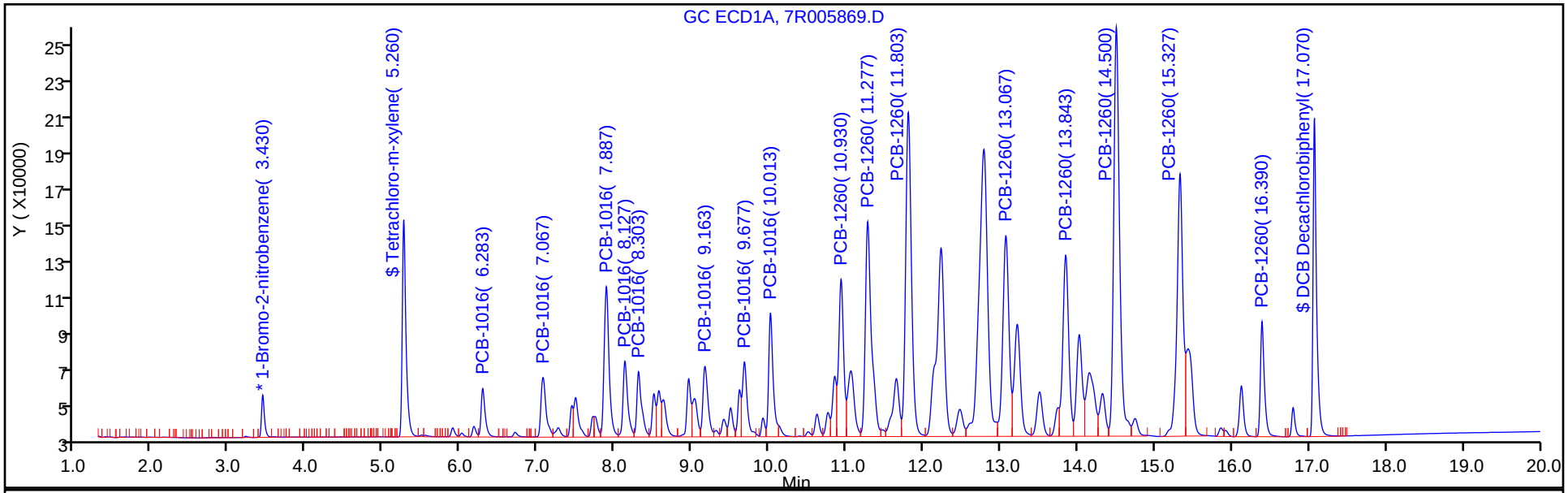
Reagents:

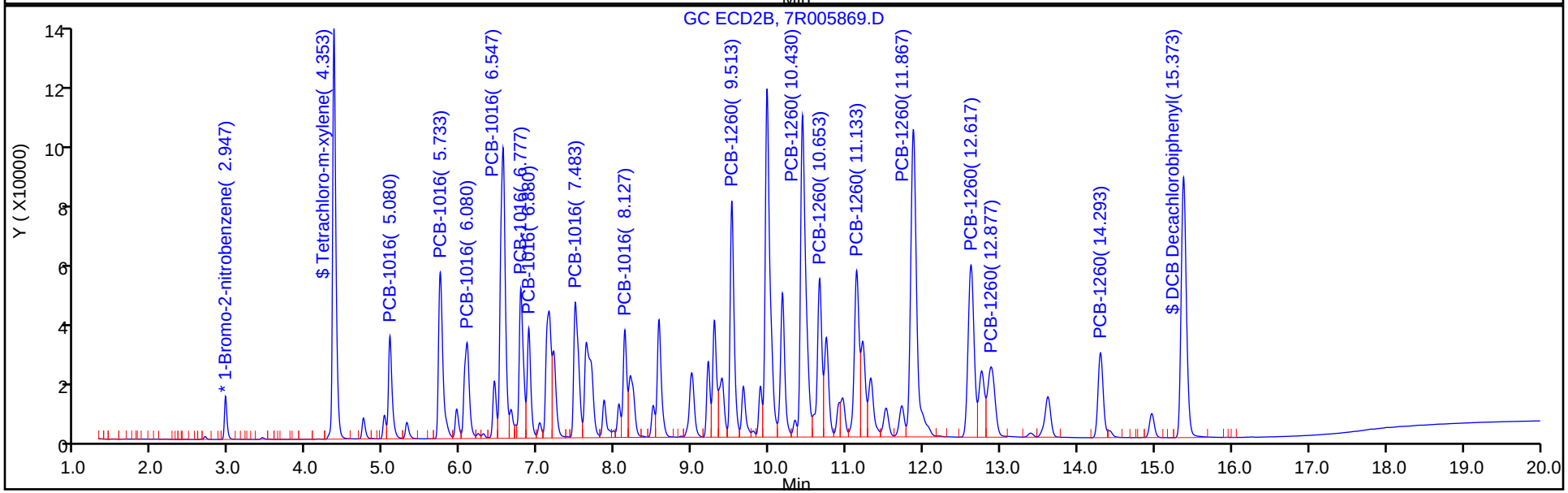
SG1660L5_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:53 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005869.D				
Injection Date:	08-Jul-2019 12:14:18	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 10:39 Calibration End Date: 07/08/2019 12:14 Calibration ID: 75588

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/3	7R005866.D
Level 2	IC 460-622994/4	7R005867.D
Level 3	IC 460-622994/2	7R005865.D
Level 4	IC 460-622994/5	7R005868.D
Level 5	IC 460-622994/6	7R005869.D

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								
PCB-1016 Peak 1	0.0310	0.0311	0.0265	0.0265	0.0270	Ave		0.0284				8.4		20.0			0.9900
PCB-1016 Peak 2	0.0627	0.0605	0.0514	0.0512	0.0515	Ave		0.0555				10.2		20.0			0.9900
PCB-1016 Peak 3	0.0357	0.0379	0.0330	0.0336	0.0347	Ave		0.0350				5.5		20.0			0.9900
PCB-1016 Peak 4	0.0975	0.1069	0.0938	0.0965	0.1001	Ave		0.0990				5.1		20.0			0.9900
PCB-1016 Peak 5	0.0458	0.0481	0.0420	0.0428	0.0442	Ave		0.0446				5.5		20.0			0.9900
PCB-1016 Peak 6	0.0254	0.0285	0.0254	0.0269	0.0287	Ave		0.0270				5.9		20.0			0.9900
PCB-1016 Peak 7	0.0469	0.0507	0.0443	0.0453	0.0470	Ave		0.0468				5.2		20.0			0.9900
PCB-1016 Peak 8	0.0312	0.0316	0.0271	0.0274	0.0282	Ave		0.0291				7.3		20.0			0.9900
PCB-1260 Peak 1	0.0767	0.0758	0.0646	0.0651	0.0669	Ave		0.0698				8.5		20.0			0.9900
PCB-1260 Peak 2	0.1208	0.1289	0.1120	0.1153	0.1206	Ave		0.1195				5.4		20.0			0.9900
PCB-1260 Peak 3	0.0514	0.0568	0.0511	0.0505	0.0526	Ave		0.0525				4.8		20.0			0.9900
PCB-1260 Peak 4	0.0604	0.0617	0.0539	0.0554	0.0576	Ave		0.0578				5.7		20.0			0.9900
PCB-1260 Peak 5	0.1177	0.1365	0.1210	0.1255	0.1322	Ave		0.1266				6.1		20.0			0.9900
PCB-1260 Peak 6	0.0635	0.0727	0.0655	0.0684	0.0739	Ave		0.0688				6.5		20.0			0.9900
PCB-1260 Peak 7	0.0311	0.0366	0.0329	0.0339	0.0370	Ave		0.0343				7.3		20.0			0.9900
PCB-1260 Peak 8	0.0281	0.0315	0.0279	0.0293	0.0315	Ave		0.0297				5.9		20.0			0.9900
Tetrachloro-m-xylene	0.8398	1.2538	1.1462	1.0823	1.2037	Ave		1.1052				14.6		20.0			0.9900
DCB Decachlorobiphenyl	1.1217	1.3858	1.1478	1.1114	1.2140	Ave		1.1961				9.5		20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 10:39 Calibration End Date: 07/08/2019 12:14 Calibration ID: 75588

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/3	7R005866.D
Level 2	IC 460-622994/4	7R005867.D
Level 3	IC 460-622994/2	7R005865.D
Level 4	IC 460-622994/5	7R005868.D
Level 5	IC 460-622994/6	7R005869.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	2974	27347	45036	66896	109517	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	6021	53283	87187	129072	208834	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	3431	33344	56036	84699	140994	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	9359	94132	159139	243162	406322	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	4400	42383	71340	107928	179184	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	2441	25079	43134	67702	116620	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	4507	44591	75119	114144	190569	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	2997	27774	45961	69091	114408	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	7365	66701	109566	164137	271370	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	11604	113445	189971	290473	489511	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	4931	49956	86769	127210	213470	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	5795	54355	91499	139700	233671	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	11298	120164	205379	316295	536559	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	6099	63960	111074	172492	299892	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	2988	32241	55800	85342	150135	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	2701	27732	47312	73915	127697	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	20161	110365	194495	272731	390772	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	26926	121989	194770	280063	394088	12.5	50.0	100	150	200

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005865.D
Lims ID: IC PCB 3
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 08-Jul-2019 10:39:41 ALS Bottle#: 20 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:11 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:39:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	62567	20.0	20.0	M
2	2.947	2.947	0.000	33937	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.260	5.260	0.000	195161	100.0	102.9	
2	4.353	4.353	0.000	194495	100.0	103.7	
						RPD = 0.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.283	6.283	0.000	35779	1000.0	975.3	
1	7.067	7.067	0.000	57657	1000.0	974.9	M
1	7.887	7.887	0.000	142331	1000.0	960.3	M
1	8.127	8.127	0.000	66287	1000.0	954.2	M
1	8.303	8.303	0.000	57295	1000.0	952.4	M
1	9.163	9.163	0.000	66067	1000.0	957.0	M
1	9.677	9.677	0.000	65711	1000.0	973.5	M
1	10.013	10.013	0.000	100778	1000.0	1004.5	M
		Average of Peak Amounts =				969.0	
2	5.080	5.080	0.000	45036	1000.0	933.8	
2	5.733	5.733	0.000	87187	1000.0	926.5	M
2	6.080	6.080	0.000	56036	1000.0	943.6	M
2	6.547	6.547	0.000	159139	1000.0	947.7	M
2	6.777	6.777	0.000	71340	1000.0	942.7	M
2	6.880	6.880	0.000	43134	1000.0	941.9	M
2	7.483	7.483	0.000	75119	1000.0	945.4	M
2	8.127	8.127	0.000	45961	1000.0	931.0	M
		Average of Peak Amounts =				939.1	
						RPD = 3.14	
8 PCB-1260							Ma
1	10.930	10.930	0.000	137959	1000.0	965.9	M
1	11.277	11.277	0.000	240975	1000.0	960.2	M
1	11.803	11.803	0.000	360289	1000.0	1104.5	M
1	13.067	13.067	0.000	222373	1000.0	974.6	M
1	13.843	13.843	0.000	191860	1000.0	959.5	
1	14.500	14.500	0.000	423341	1000.0	965.9	
1	15.323	15.323	0.000	278417	1000.0	969.0	
1	16.390	16.390	0.000	80295	1000.0	979.2	
		Average of Peak Amounts =				984.9	
2	9.513	9.513	0.000	109566	1000.0	924.9	M
2	10.430	10.430	0.000	189971	1000.0	936.7	M
2	10.653	10.653	0.000	86769	1000.0	974.7	M
2	11.133	11.133	0.000	91499	1000.0	932.8	M
2	11.867	11.867	0.000	205379	1000.0	956.1	M
2	12.613	12.613	0.000	111074	1000.0	951.5	M
2	12.877	12.877	0.000	55800	1000.0	958.8	M
2	14.293	14.293	0.000	47312	1000.0	940.0	
		Average of Peak Amounts =				946.9	
						RPD = 3.93	
$ 11 DCB Decachlorobiphenyl							
1	17.070	17.070	0.000	254489	100.0	98.6	
2	15.373	15.373	0.000	194770	100.0	96.0	
						RPD = 2.67	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SG1660L3_00034	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:13 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005865.D

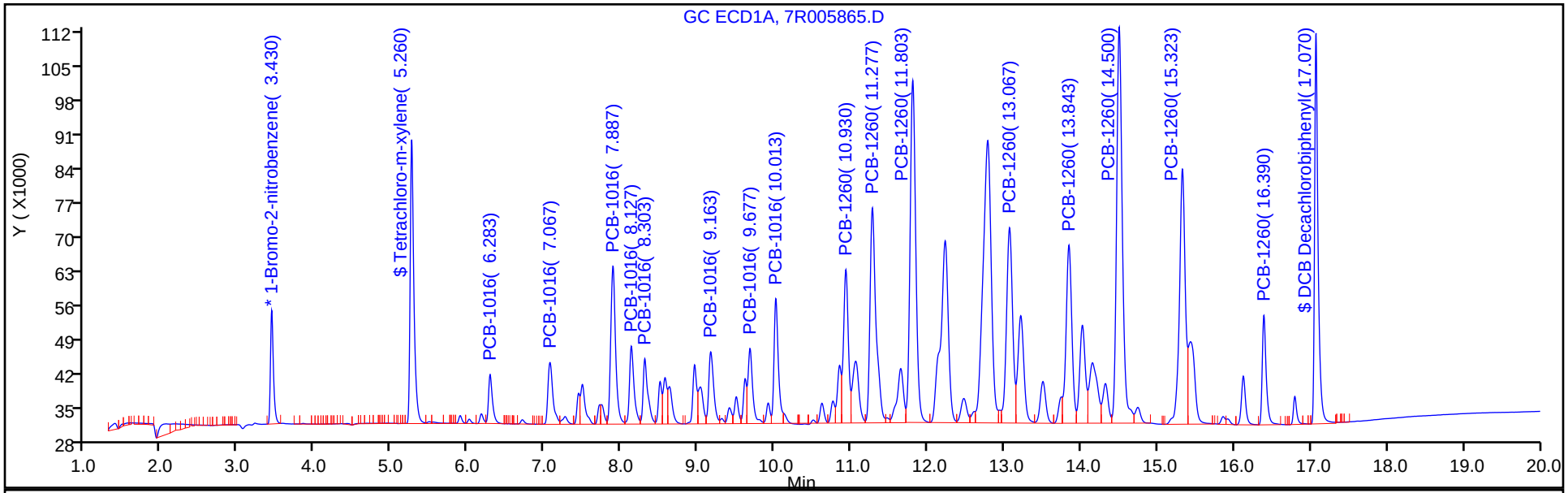
Injection Date: 08-Jul-2019 10:39:41 Instrument ID: CPESTGC7 Operator ID:

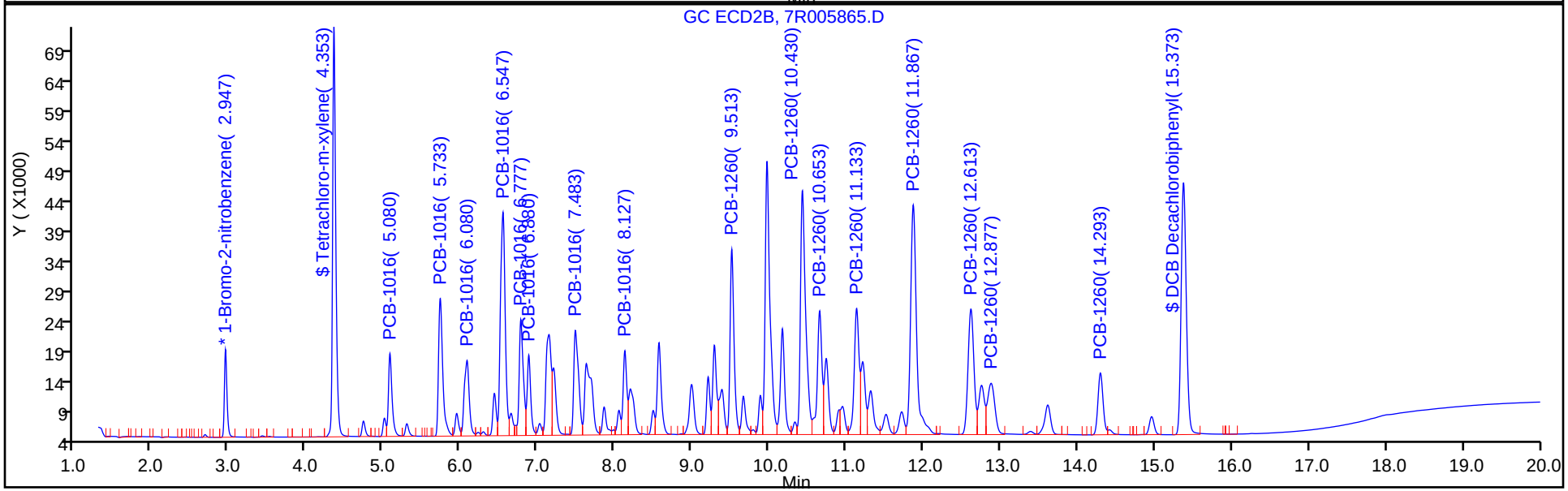
Lims ID: IC PCB 3 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 20

Method: 8082.ISTD Limit Group: GC 8082A PCB ISTD





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005866.D
Lims ID: IC PCB 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-Jul-2019 11:03:10 ALS Bottle#: 21 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:26 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:41:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	71543	20.0	20.0	M
2	2.947	2.947	0.000	38409	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.257	5.260	-0.003	23009	12.5	10.6	
2	4.357	4.353	0.004	20161	12.5	9.50	
						RPD = 11.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.280	6.283	-0.003	1831	50.0	43.6	
1	7.067	7.067	0.000	3151	50.0	46.6	M
1	7.887	7.887	0.000	8415	50.0	49.7	M
1	8.127	8.127	0.000	3891	50.0	49.0	M
1	8.303	8.303	0.000	3275	50.0	47.6	M
1	9.163	9.163	0.000	3713	50.0	47.0	M
1	9.677	9.677	0.000	3338	50.0	43.2	M
1	10.013	10.013	0.000	4530	50.0	39.5	M
		Average of Peak Amounts =				45.8	
2	5.083	5.080	0.003	2974	50.0	54.5	
2	5.733	5.733	0.000	6021	50.0	56.5	
2	6.083	6.080	0.003	3431	50.0	51.0	
2	6.547	6.547	0.000	9359	50.0	49.2	
2	6.780	6.777	0.003	4400	50.0	51.4	
2	6.880	6.880	0.000	2441	50.0	47.1	
2	7.487	7.483	0.004	4507	50.0	50.1	
2	8.127	8.127	0.000	2997	50.0	53.6	
		Average of Peak Amounts =				51.7	
						RPD = 12.13	
8 PCB-1260							Ma
1	10.927	10.930	-0.003	7167	50.0	43.9	M
1	11.273	11.277	-0.004	13283	50.0	46.3	M
1	11.790	11.803	-0.013	13342	50.0	35.8	M
1	13.063	13.067	-0.004	11387	50.0	43.6	
1	13.840	13.843	-0.003	10688	50.0	46.7	
1	14.497	14.500	-0.003	22439	50.0	44.8	
1	15.320	15.323	-0.003	14473	50.0	44.1	
1	16.387	16.390	-0.003	3943	50.0	42.1	
		Average of Peak Amounts =				43.4	
2	9.517	9.513	0.004	7365	50.0	54.9	M
2	10.430	10.430	0.000	11604	50.0	50.6	M
2	10.650	10.653	-0.003	4931	50.0	48.9	M
2	11.133	11.133	0.000	5795	50.0	52.2	M
2	11.867	11.867	0.000	11298	50.0	46.5	M
2	12.617	12.613	0.004	6099	50.0	46.2	
2	12.877	12.877	0.000	2988	50.0	45.4	
2	14.293	14.293	0.000	2701	50.0	47.4	
		Average of Peak Amounts =				49.0	
						RPD = 12.13	
$ 11 DCB Decachlorobiphenyl							
1	17.067	17.070	-0.003	31833	12.5	10.8	
2	15.373	15.373	0.000	26926	12.5	11.7	
						RPD = 8.35	
S 12 Polychlorinated biphenyls, Total							
1						89.2	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

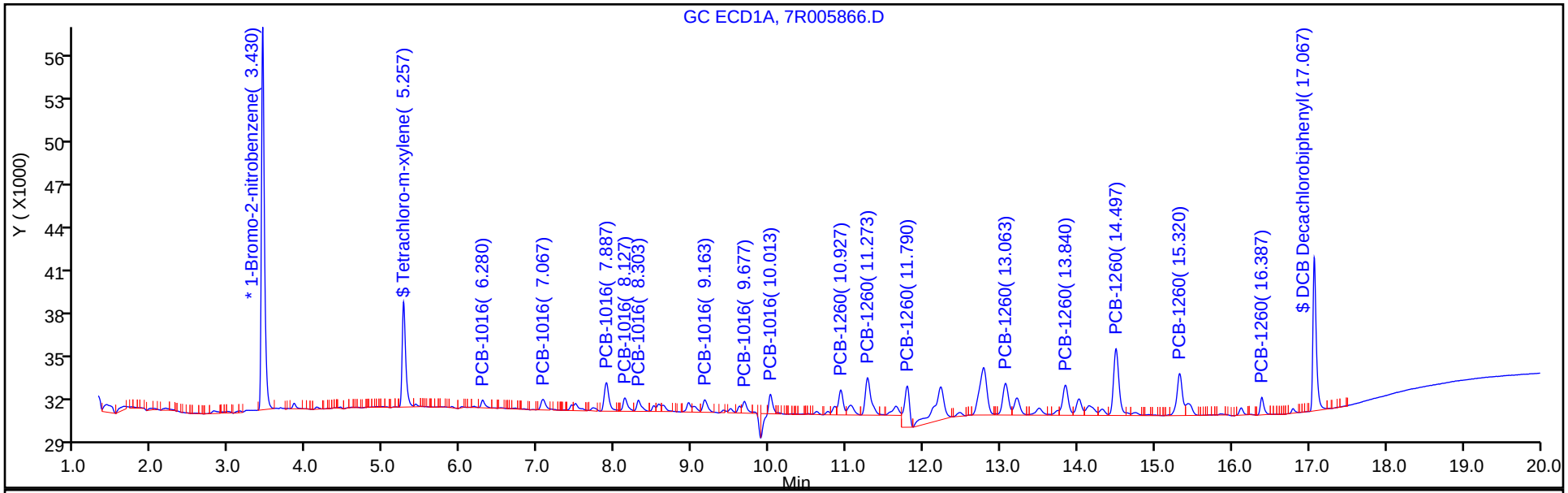
Reagents:

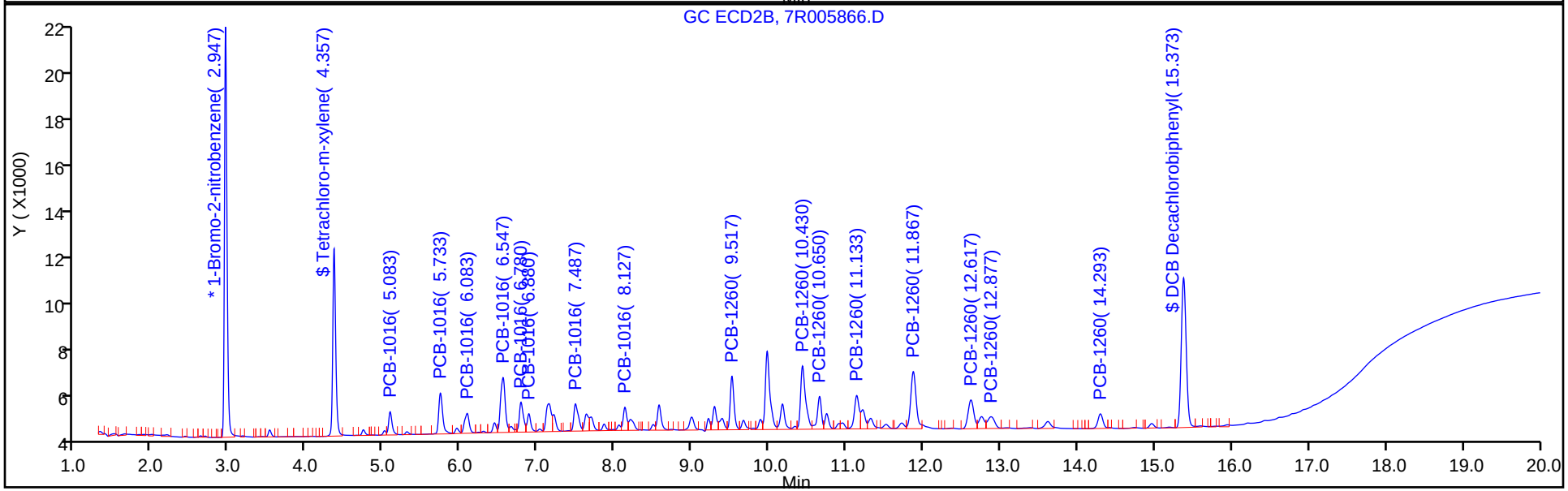
SG1660L1_00019	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:28 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005866.D				
Injection Date:	08-Jul-2019 11:03:10	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005867.D
Lims ID: IC PCB 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-Jul-2019 11:26:55 ALS Bottle#: 22 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-004
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:34 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:41:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	66971	20.0	20.0	
2	2.947	2.947	0.000	35210	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.260	5.260	0.000	114266	50.0	56.3	
2	4.353	4.353	0.000	110365	50.0	56.7	
						RPD = 0.74	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.283	6.283	0.000	21132	500.0	538.1	
1	7.067	7.067	0.000	33936	500.0	536.1	
1	7.887	7.887	0.000	86371	500.0	544.4	M
1	8.127	8.127	0.000	39637	500.0	533.0	M
1	8.303	8.303	0.000	34099	500.0	529.6	M
1	9.163	9.163	0.000	40055	500.0	542.0	M
1	9.677	9.677	0.000	39722	500.0	549.8	M
1	10.013	10.013	0.000	58080	500.0	540.8	M
		Average of Peak Amounts =				539.2	
2	5.080	5.080	0.000	27347	500.0	546.5	
2	5.733	5.733	0.000	53283	500.0	545.7	
2	6.080	6.080	0.000	33344	500.0	541.2	
2	6.547	6.547	0.000	94132	500.0	540.3	
2	6.780	6.777	0.003	42383	500.0	539.8	
2	6.880	6.880	0.000	25079	500.0	527.9	
2	7.487	7.483	0.004	44591	500.0	540.9	M
2	8.127	8.127	0.000	27774	500.0	542.3	M
		Average of Peak Amounts =				540.6	
						RPD = 0.25	
8 PCB-1260							Ma
1	10.930	10.930	0.000	82161	500.0	537.4	M
1	11.277	11.277	0.000	146423	500.0	545.1	M
1	11.800	11.803	-0.003	181451	500.0	519.7	M
1	13.067	13.067	0.000	131423	500.0	538.1	
1	13.840	13.843	-0.003	113534	500.0	530.5	
1	14.500	14.500	0.000	248595	500.0	529.9	
1	15.323	15.323	0.000	162699	500.0	529.0	
1	16.387	16.390	-0.003	46308	500.0	527.6	
		Average of Peak Amounts =				532.2	
2	9.513	9.513	0.000	66701	500.0	542.7	M
2	10.430	10.430	0.000	113445	500.0	539.2	M
2	10.653	10.653	0.000	49956	500.0	540.9	M
2	11.133	11.133	0.000	54355	500.0	534.1	M
2	11.870	11.867	0.003	120164	500.0	539.2	M
2	12.617	12.613	0.004	63960	500.0	528.1	
2	12.877	12.877	0.000	32241	500.0	533.9	
2	14.297	14.293	0.004	27732	500.0	531.0	
		Average of Peak Amounts =				536.1	
						RPD = 0.74	
$ 11 DCB Decachlorobiphenyl							
1	17.067	17.070	-0.003	156945	50.0	56.8	
2	15.373	15.373	0.000	121989	50.0	57.9	
						RPD = 1.99	
S 12 Polychlorinated biphenyls, Total							
1						1071.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

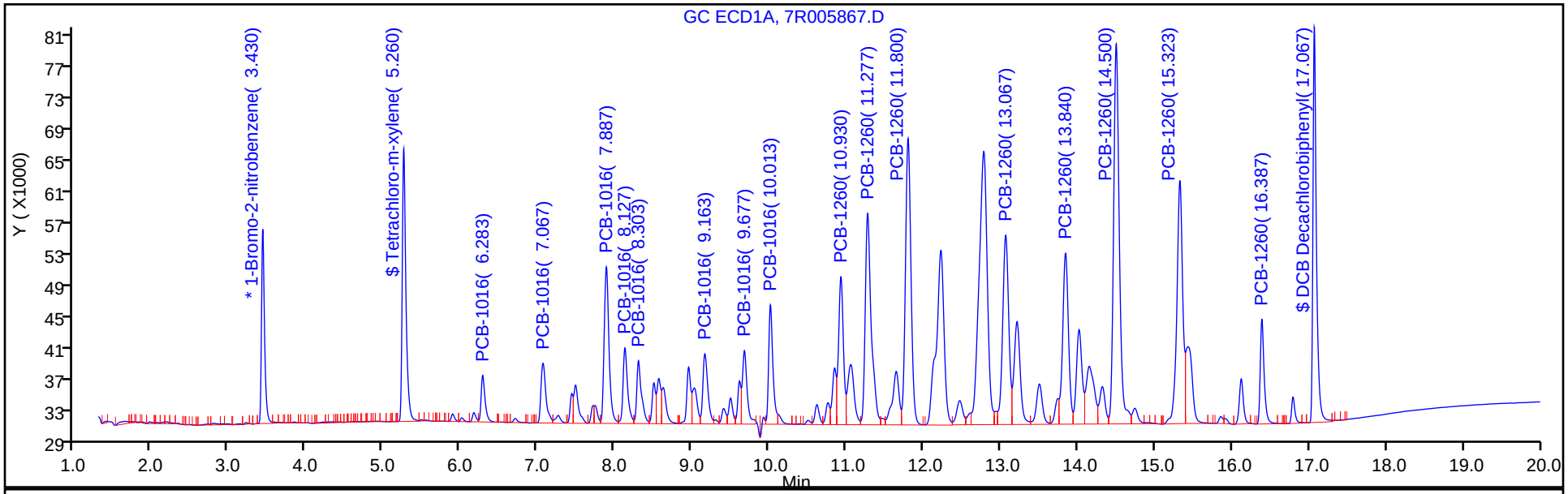
Reagents:

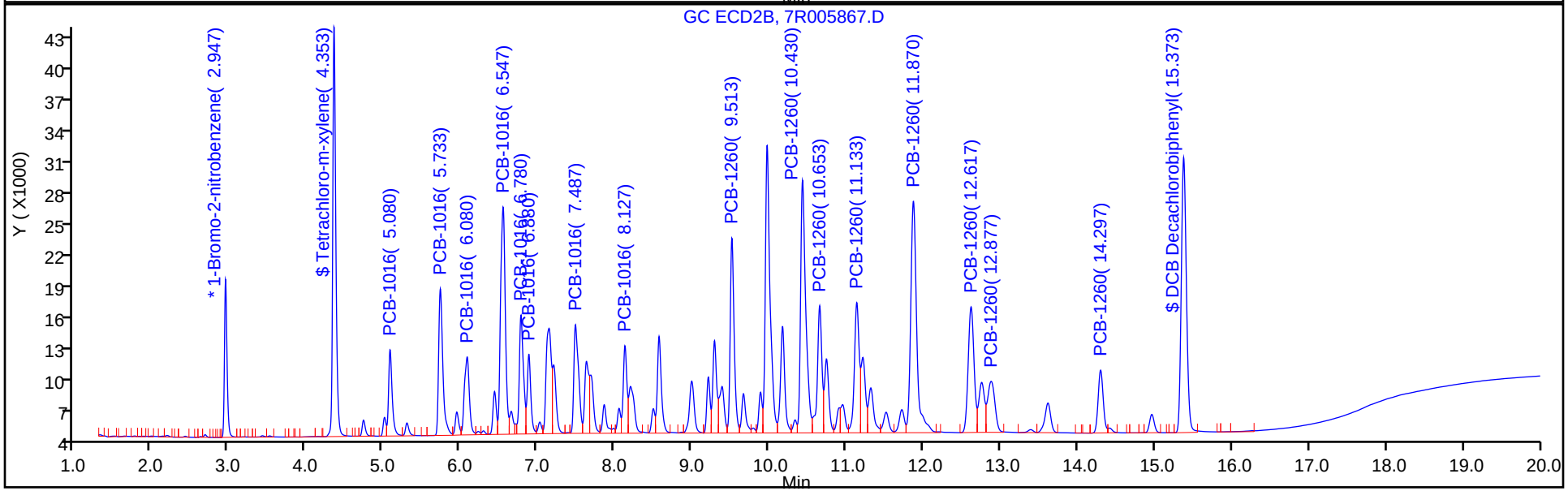
SG1660L2_00028	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:36 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005867.D				
Injection Date:	08-Jul-2019 11:26:55	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 2			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005868.D
Lims ID: IC PCB 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-Jul-2019 11:50:37 ALS Bottle#: 23 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-005
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:45 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:42:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	64017	20.0	20.0	
2	2.947	2.947	0.000	33600	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.257	5.260	-0.003	273713	150.0	141.1	
2	4.353	4.353	0.000	272731	150.0	146.9	
						RPD = 4.02	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.283	6.283	0.000	55873	1500.0	1488.5	
1	7.063	7.067	-0.004	89593	1500.0	1480.6	M
1	7.887	7.887	0.000	218194	1500.0	1438.8	M
1	8.127	8.127	0.000	103706	1500.0	1459.0	M
1	8.303	8.303	0.000	91190	1500.0	1481.6	M
1	9.163	9.163	0.000	104138	1500.0	1474.3	M
1	9.677	9.677	0.000	103018	1500.0	1491.6	M
1	10.013	10.013	0.000	158182	1500.0	1541.0	M
		Average of Peak Amounts =				1481.9	
2	5.080	5.080	0.000	66896	1500.0	1400.9	
2	5.733	5.733	0.000	129072	1500.0	1385.3	
2	6.080	6.080	0.000	84699	1500.0	1440.5	
2	6.547	6.547	0.000	243162	1500.0	1462.6	
2	6.777	6.777	0.000	107928	1500.0	1440.4	
2	6.880	6.880	0.000	67702	1500.0	1493.2	
2	7.483	7.483	0.000	114144	1500.0	1451.0	
2	8.127	8.127	0.000	69091	1500.0	1413.6	
		Average of Peak Amounts =				1436.0	
						RPD = 3.15	
8 PCB-1260							Ma
1	10.927	10.930	-0.003	217403	1500.0	1487.7	M
1	11.273	11.277	-0.004	376570	1500.0	1466.5	M
1	11.800	11.803	-0.003	497530	1500.0	1490.6	M
1	13.067	13.067	0.000	348495	1500.0	1492.7	M
1	13.843	13.843	0.000	300660	1500.0	1469.6	
1	14.500	14.500	0.000	669550	1500.0	1493.1	
1	15.323	15.323	0.000	443732	1500.0	1509.4	
1	16.390	16.390	0.000	127364	1500.0	1518.0	
		Average of Peak Amounts =				1491.0	
2	9.513	9.513	0.000	164137	1500.0	1399.5	M
2	10.430	10.430	0.000	290473	1500.0	1446.7	M
2	10.650	10.653	-0.003	127210	1500.0	1443.2	M
2	11.133	11.133	0.000	139700	1500.0	1438.4	M
2	11.867	11.867	0.000	316295	1500.0	1487.3	M
2	12.617	12.613	0.004	172492	1500.0	1492.4	
2	12.877	12.877	0.000	85342	1500.0	1481.1	
2	14.293	14.293	0.000	73915	1500.0	1483.2	
		Average of Peak Amounts =				1459.0	
						RPD = 2.17	
$ 11 DCB Decachlorobiphenyl							
1	17.070	17.070	0.000	375046	150.0	142.0	
2	15.373	15.373	0.000	280063	150.0	139.4	
						RPD = 1.84	
S 12 Polychlorinated biphenyls, Total							
1						2972.9	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

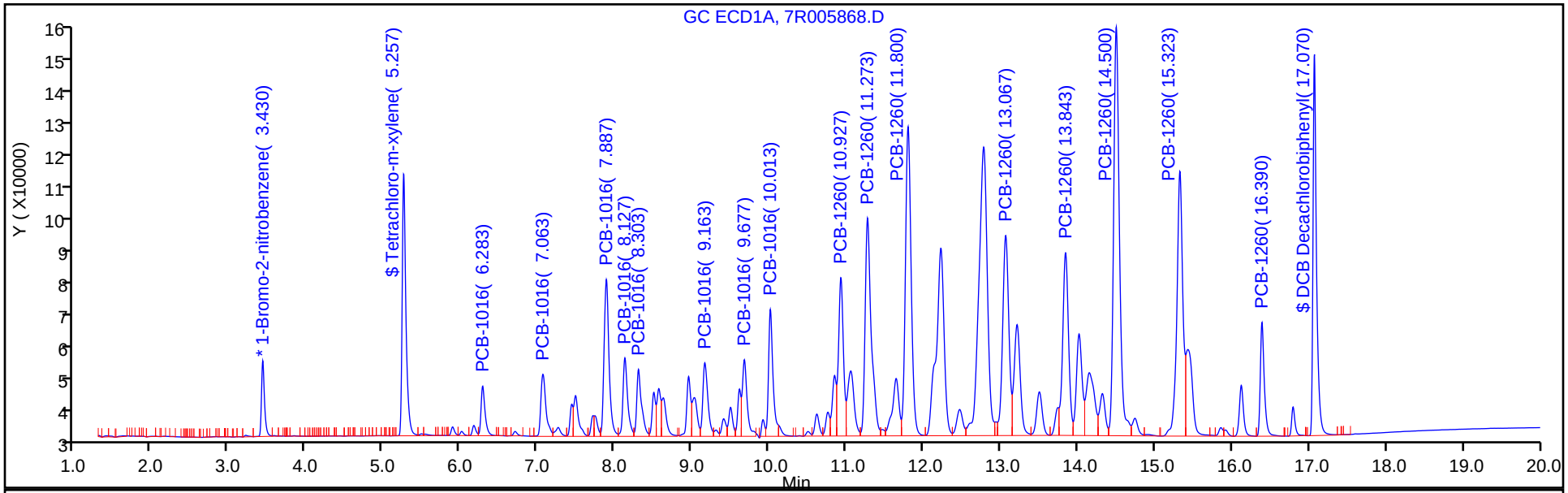
Reagents:

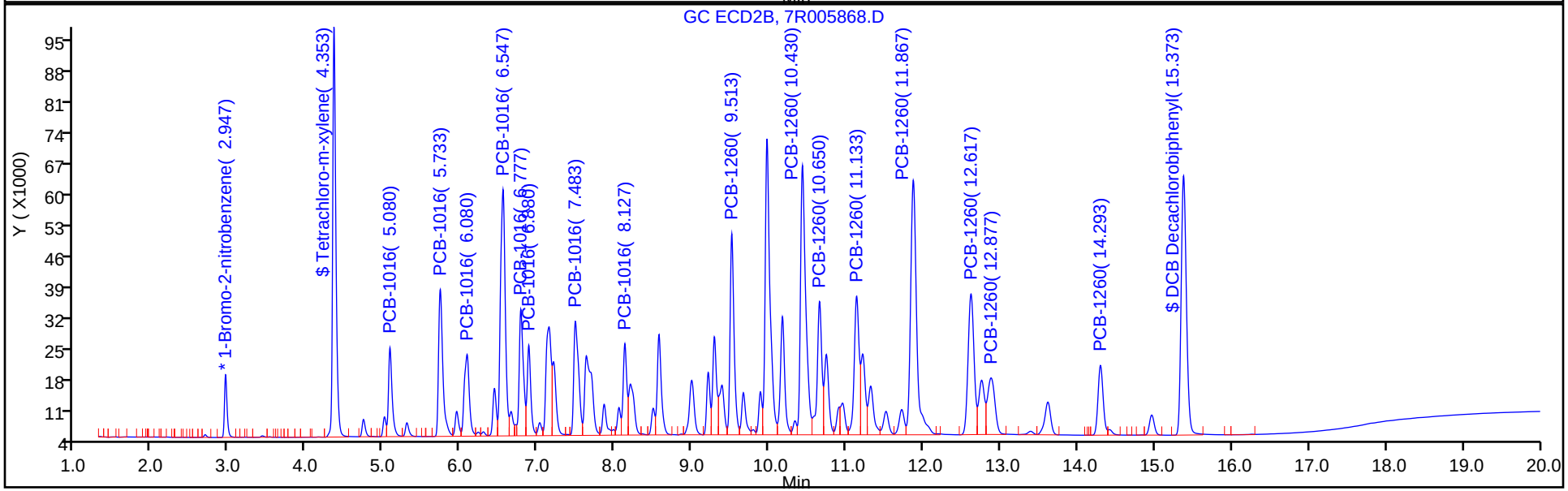
SG1660L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:47 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005868.D				
Injection Date:	08-Jul-2019 11:50:37	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005869.D
Lims ID: IC PCB 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 08-Jul-2019 12:14:18 ALS Bottle#: 24 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-006
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:51:52 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 12:43:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	61086	20.0	20.0	
2	2.947	2.947	0.000	32463	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.260	5.260	0.000	390424	200.0	210.9	
2	4.353	4.353	0.000	390772	200.0	217.8	
						RPD = 3.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.283	6.283	0.000	96992	2500.0	2707.9	M
1	7.067	7.067	0.000	149233	2500.0	2584.6	M
1	7.887	7.887	0.000	361206	2500.0	2496.2	M
1	8.127	8.127	0.000	174232	2500.0	2568.8	M
1	8.303	8.303	0.000	153944	2500.0	2621.1	M
1	9.163	9.163	0.000	174474	2500.0	2588.5	M
1	9.677	9.677	0.000	175928	2500.0	2669.4	M
1	10.013	10.013	0.000	268572	2500.0	2741.9	M
		Average of Peak Amounts =				2622.3	
2	5.080	5.080	0.000	109517	2500.0	2373.8	
2	5.733	5.733	0.000	208834	2500.0	2319.9	
2	6.080	6.080	0.000	140994	2500.0	2482.0	
2	6.547	6.547	0.000	406322	2500.0	2529.5	
2	6.777	6.777	0.000	179184	2500.0	2475.2	
2	6.880	6.880	0.000	116620	2500.0	2662.3	
2	7.483	7.483	0.000	190569	2500.0	2507.4	
2	8.127	8.127	0.000	114408	2500.0	2422.8	
		Average of Peak Amounts =				2471.6	
						RPD = 5.92	
8 PCB-1260							Ma
1	10.930	10.930	0.000	379884	2500.0	2724.3	M
1	11.277	11.277	0.000	640958	2500.0	2615.8	M
1	11.803	11.803	0.000	913360	2500.0	2867.8	M
1	13.067	13.067	0.000	602156	2500.0	2703.0	M
1	13.843	13.843	0.000	519662	2500.0	2662.0	M
1	14.500	14.500	0.000	1158940	2500.0	2708.4	M
1	15.327	15.323	0.004	761321	2500.0	2714.0	
1	16.390	16.390	0.000	222682	2500.0	2781.4	
		Average of Peak Amounts =				2722.1	
2	9.513	9.513	0.000	271370	2500.0	2394.9	
2	10.430	10.430	0.000	489511	2500.0	2523.4	
2	10.653	10.653	0.000	213470	2500.0	2506.7	
2	11.133	11.133	0.000	233671	2500.0	2490.3	a
2	11.867	11.867	0.000	536559	2500.0	2611.3	
2	12.617	12.613	0.004	299892	2500.0	2685.5	M
2	12.877	12.877	0.000	150135	2500.0	2696.8	M
2	14.293	14.293	0.000	127697	2500.0	2652.2	
		Average of Peak Amounts =				2570.1	
						RPD = 5.74	
$ 11 DCB Decachlorobiphenyl							
1	17.070	17.070	0.000	539291	200.0	213.9	
2	15.373	15.373	0.000	394088	200.0	203.0	
						RPD = 5.25	
S 12 Polychlorinated biphenyls, Total							
1						5344.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

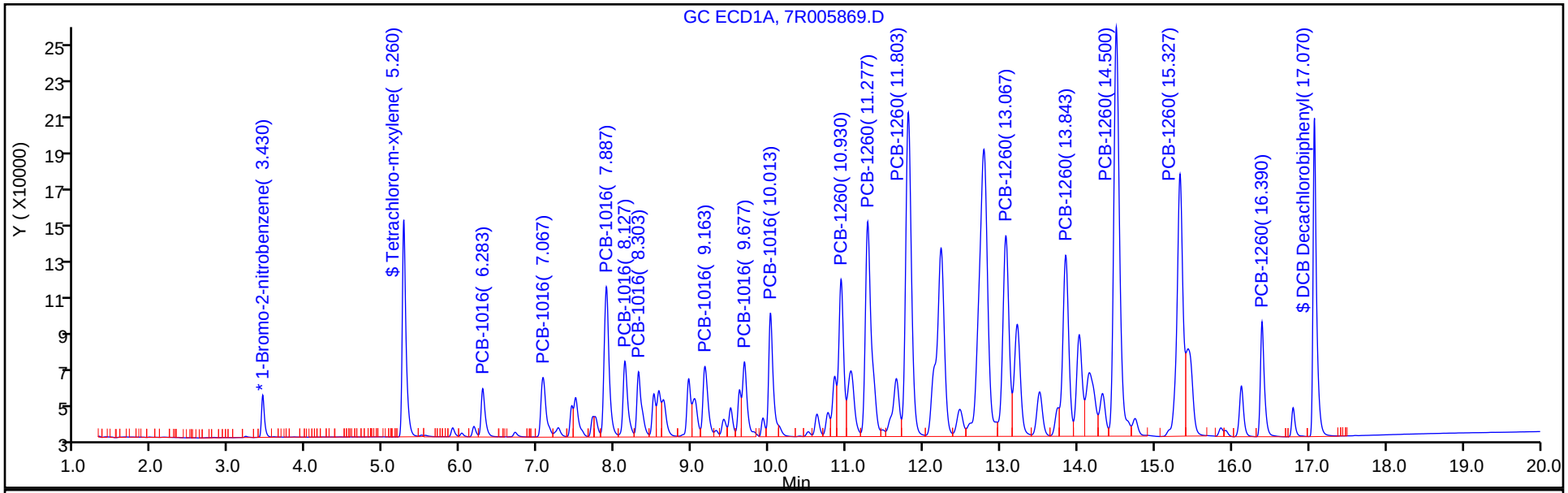
Reagents:

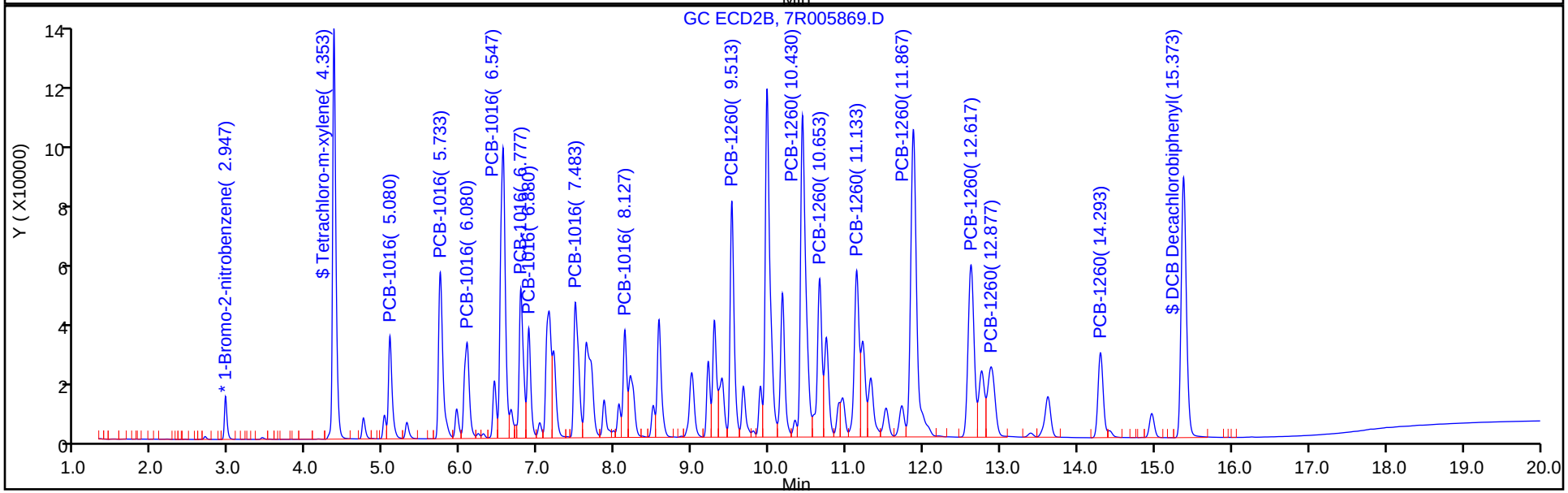
SG1660L5_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:51:54 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005869.D				
Injection Date:	08-Jul-2019 12:14:18	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC PCB 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:01 Calibration End Date: 07/08/2019 13:01 Calibration ID: 75593

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/8	7R005871.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0002					Ave		0.0002						20.0			0.9900
PCB-1221 Peak 2	0.0063					Ave		0.0063						20.0			0.9900
PCB-1221 Peak 3	0.0042					Ave		0.0042						20.0			0.9900
PCB-1221 Peak 4	0.0172					Ave		0.0172						20.0			0.9900
PCB-1221 Peak 5	0.0018					Ave		0.0018						20.0			0.9900
PCB-1221 Peak 6	0.0034					Ave		0.0034						20.0			0.9900
PCB-1221 Peak 7	0.0018					Ave		0.0018						20.0			0.9900
PCB-1221 Peak 8	0.0013					Ave		0.0013						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:01 Calibration End Date: 07/08/2019 13:01 Calibration ID: 75593

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/8	7R005871.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	841					1000				
PCB-1221 Peak 2	BNB	Ave	21550					1000				
PCB-1221 Peak 3	BNB	Ave	14427					1000				
PCB-1221 Peak 4	BNB	Ave	58575					1000				
PCB-1221 Peak 5	BNB	Ave	6232					1000				
PCB-1221 Peak 6	BNB	Ave	11764					1000				
PCB-1221 Peak 7	BNB	Ave	6105					1000				
PCB-1221 Peak 8	BNB	Ave	4330					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005871.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 13:01:53 ALS Bottle#: 26 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-008
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:10 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:34:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	68283	20.0	20.0	M
2	2.947	2.947	0.000	36399	20.0	20.0	M
						RPD = 0.00	
1 PCB-1221							M
1	4.363	4.363	0.000	841	1000.0	1000.0	
1	5.893	5.893	0.000	21550	1000.0	1000.0	M
1	6.170	6.170	0.000	14427	1000.0	1000.0	M
1	6.283	6.283	0.000	58575	1000.0	1000.0	M
1	7.150	7.150	0.000	6232	1000.0	1000.0	M
1	7.890	7.890	0.000	11764	1000.0	1000.0	
1	8.130	8.130	0.000	6105	1000.0	1000.0	
1	8.303	8.303	0.000	4330	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	3.423	3.423	0.000	19621	1000.0	1000.0	M
2	4.737	4.737	0.000	25795	1000.0	1000.0	M
2	5.007	5.007	0.000	15680	1000.0	1000.0	M
2	5.080	5.080	0.000	67431	1000.0	1000.0	M
2	5.737	5.737	0.000	9404	1000.0	1000.0	
2	5.947	5.947	0.000	11321	1000.0	1000.0	
2	6.550	6.550	0.000	13135	1000.0	1000.0	
2	6.780	6.780	0.000	6245	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

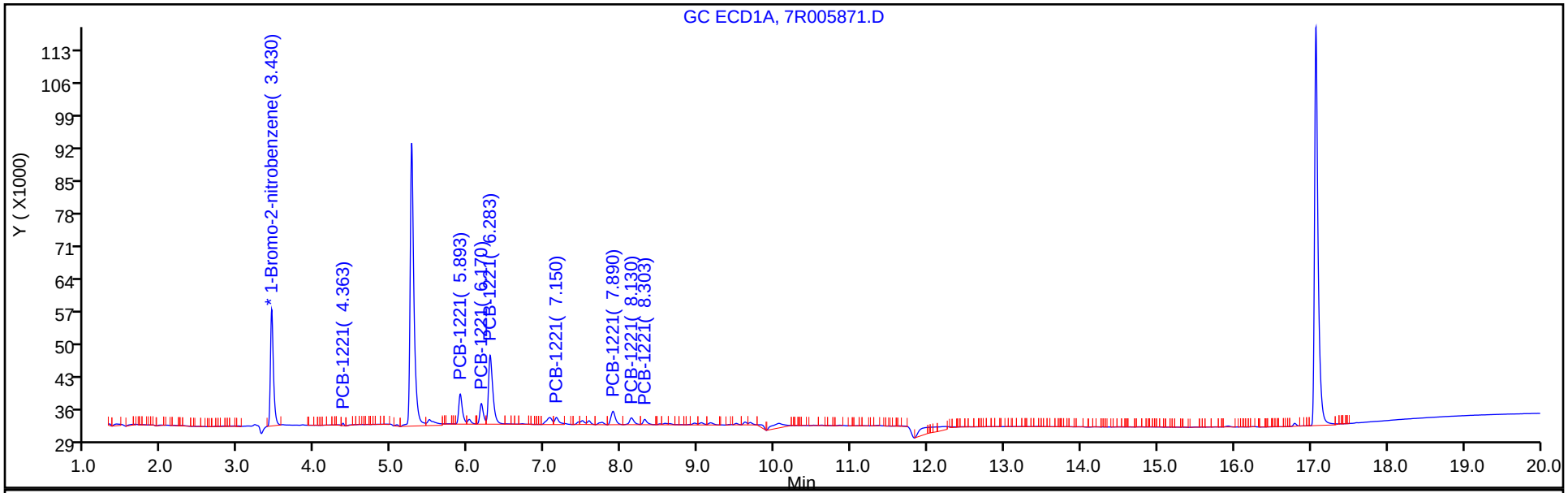
Reagents:

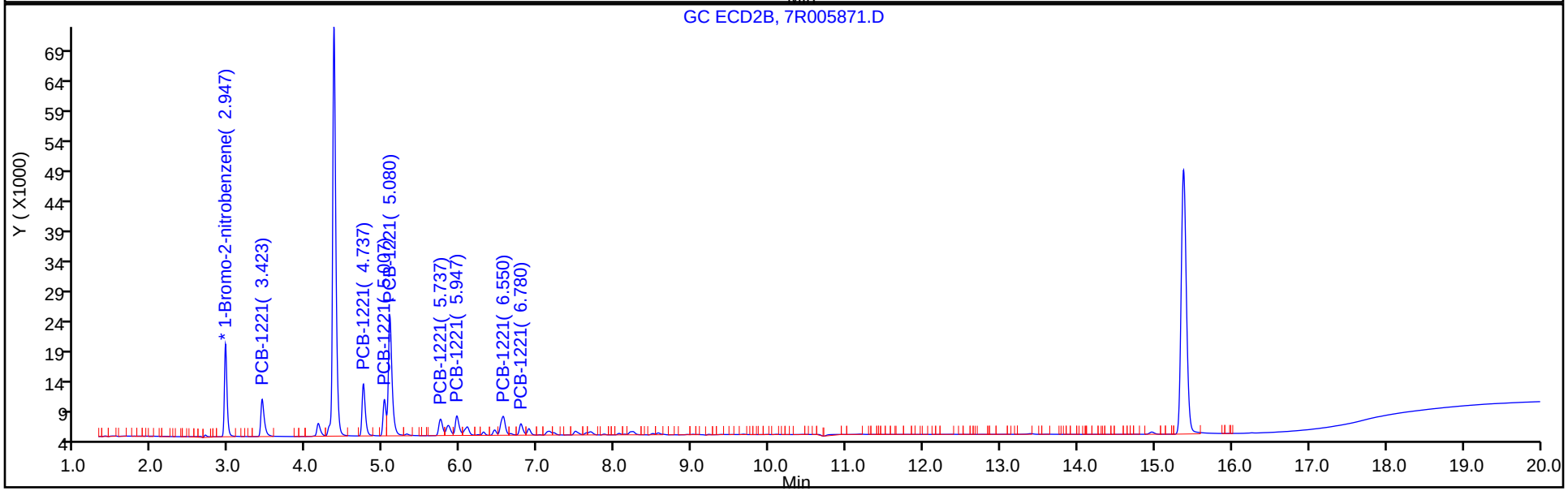
SG1221L4_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:12 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005871.D				
Injection Date:	08-Jul-2019 13:01:53	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:01 Calibration End Date: 07/08/2019 13:01 Calibration ID: 75594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/8	7R005871.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0108					Ave		0.0108						20.0			0.9900
PCB-1221 Peak 2	0.0142					Ave		0.0142						20.0			0.9900
PCB-1221 Peak 3	0.0086					Ave		0.0086						20.0			0.9900
PCB-1221 Peak 4	0.0371					Ave		0.0371						20.0			0.9900
PCB-1221 Peak 5	0.0052					Ave		0.0052						20.0			0.9900
PCB-1221 Peak 6	0.0062					Ave		0.0062						20.0			0.9900
PCB-1221 Peak 7	0.0072					Ave		0.0072						20.0			0.9900
PCB-1221 Peak 8	0.0034					Ave		0.0034						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:01 Calibration End Date: 07/08/2019 13:01 Calibration ID: 75594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/8	7R005871.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	19621					1000				
PCB-1221 Peak 2	BNB	Ave	25795					1000				
PCB-1221 Peak 3	BNB	Ave	15680					1000				
PCB-1221 Peak 4	BNB	Ave	67431					1000				
PCB-1221 Peak 5	BNB	Ave	9404					1000				
PCB-1221 Peak 6	BNB	Ave	11321					1000				
PCB-1221 Peak 7	BNB	Ave	13135					1000				
PCB-1221 Peak 8	BNB	Ave	6245					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005871.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 13:01:53 ALS Bottle#: 26 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-008
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:10 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:34:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	68283	20.0	20.0	M
2	2.947	2.947	0.000	36399	20.0	20.0	M
						RPD = 0.00	
1 PCB-1221							M
1	4.363	4.363	0.000	841	1000.0	1000.0	
1	5.893	5.893	0.000	21550	1000.0	1000.0	M
1	6.170	6.170	0.000	14427	1000.0	1000.0	M
1	6.283	6.283	0.000	58575	1000.0	1000.0	M
1	7.150	7.150	0.000	6232	1000.0	1000.0	M
1	7.890	7.890	0.000	11764	1000.0	1000.0	
1	8.130	8.130	0.000	6105	1000.0	1000.0	
1	8.303	8.303	0.000	4330	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	3.423	3.423	0.000	19621	1000.0	1000.0	M
2	4.737	4.737	0.000	25795	1000.0	1000.0	M
2	5.007	5.007	0.000	15680	1000.0	1000.0	M
2	5.080	5.080	0.000	67431	1000.0	1000.0	M
2	5.737	5.737	0.000	9404	1000.0	1000.0	
2	5.947	5.947	0.000	11321	1000.0	1000.0	
2	6.550	6.550	0.000	13135	1000.0	1000.0	
2	6.780	6.780	0.000	6245	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

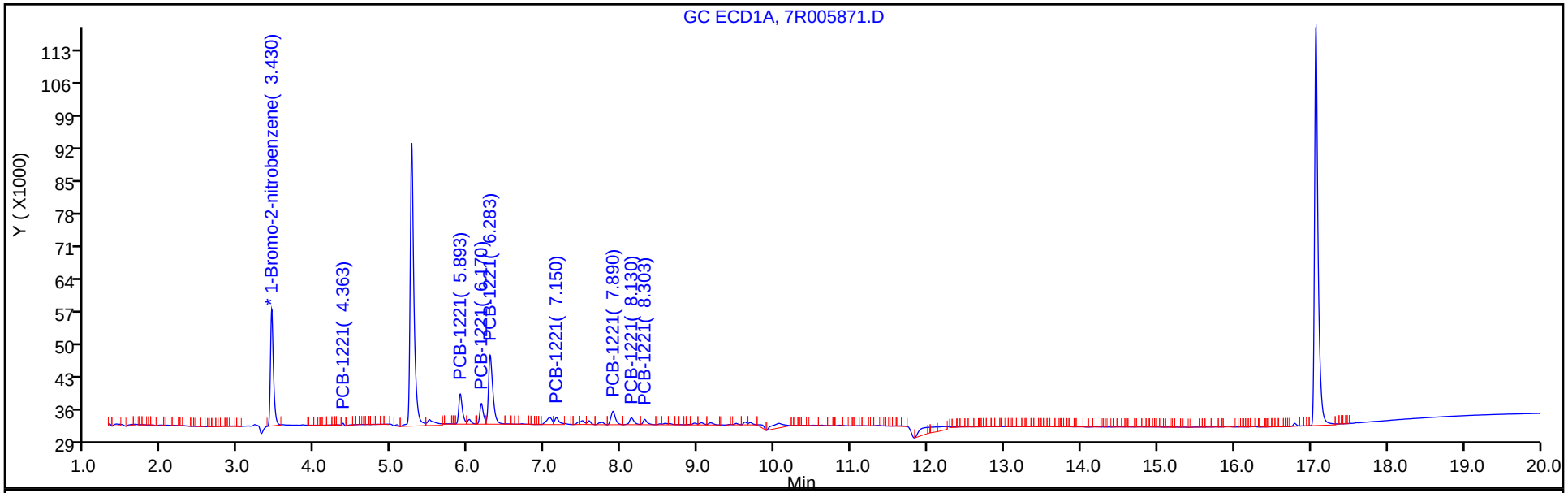
Reagents:

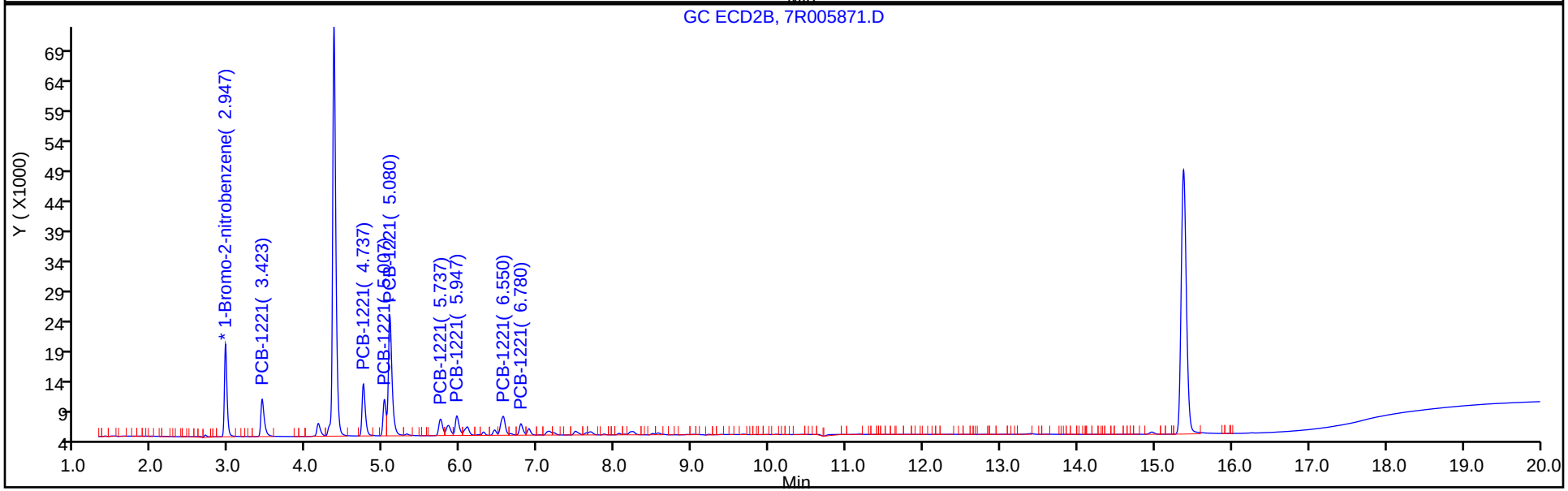
SG1221L4_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:12 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005871.D				
Injection Date:	08-Jul-2019 13:01:53	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:25 Calibration End Date: 07/08/2019 13:25 Calibration ID: 75599

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/9	7R005872.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0135					Ave		0.0135						20.0			0.9900
PCB-1232 Peak 2	0.0085					Ave		0.0085						20.0			0.9900
PCB-1232 Peak 3	0.0207					Ave		0.0207						20.0			0.9900
PCB-1232 Peak 4	0.0095					Ave		0.0095						20.0			0.9900
PCB-1232 Peak 5	0.0078					Ave		0.0078						20.0			0.9900
PCB-1232 Peak 6	0.0082					Ave		0.0082						20.0			0.9900
PCB-1232 Peak 7	0.0103					Ave		0.0103						20.0			0.9900
PCB-1232 Peak 8	0.0109					Ave		0.0109						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:25 Calibration End Date: 07/08/2019 13:25 Calibration ID: 75599

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/9	7R005872.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	44598					1000				
PCB-1232 Peak 2	BNB	Ave	28076					1000				
PCB-1232 Peak 3	BNB	Ave	68551					1000				
PCB-1232 Peak 4	BNB	Ave	31287					1000				
PCB-1232 Peak 5	BNB	Ave	25712					1000				
PCB-1232 Peak 6	BNB	Ave	27100					1000				
PCB-1232 Peak 7	BNB	Ave	33906					1000				
PCB-1232 Peak 8	BNB	Ave	36185					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005872.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 13:25:43 ALS Bottle#: 27 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-009
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub3

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:17 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:34:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	66111	20.0	20.0	M
2	2.947	2.947	0.000	34479	20.0	20.0	
						RPD = 0.00	
3 PCB-1232							M
1	6.283	6.283	0.000	44598	1000.0	1000.0	
1	7.067	7.067	0.000	28076	1000.0	1000.0	M
1	7.887	7.887	0.000	68551	1000.0	1000.0	M
1	8.130	8.130	0.000	31287	1000.0	1000.0	M
1	8.303	8.303	0.000	25712	1000.0	1000.0	M
1	9.167	9.167	0.000	27100	1000.0	1000.0	M
1	9.613	9.613	0.000	33906	1000.0	1000.0	M
1	9.683	9.683	0.000	36185	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	5.080	5.080	0.000	52928	1000.0	1000.0	
2	5.733	5.733	0.000	45326	1000.0	1000.0	
2	6.080	6.080	0.000	26722	1000.0	1000.0	
2	6.547	6.547	0.000	72996	1000.0	1000.0	
2	6.780	6.780	0.000	32723	1000.0	1000.0	
2	7.143	7.143	0.000	32298	1000.0	1000.0	
2	7.487	7.487	0.000	31458	1000.0	1000.0	
2	8.230	8.230	0.000	45882	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

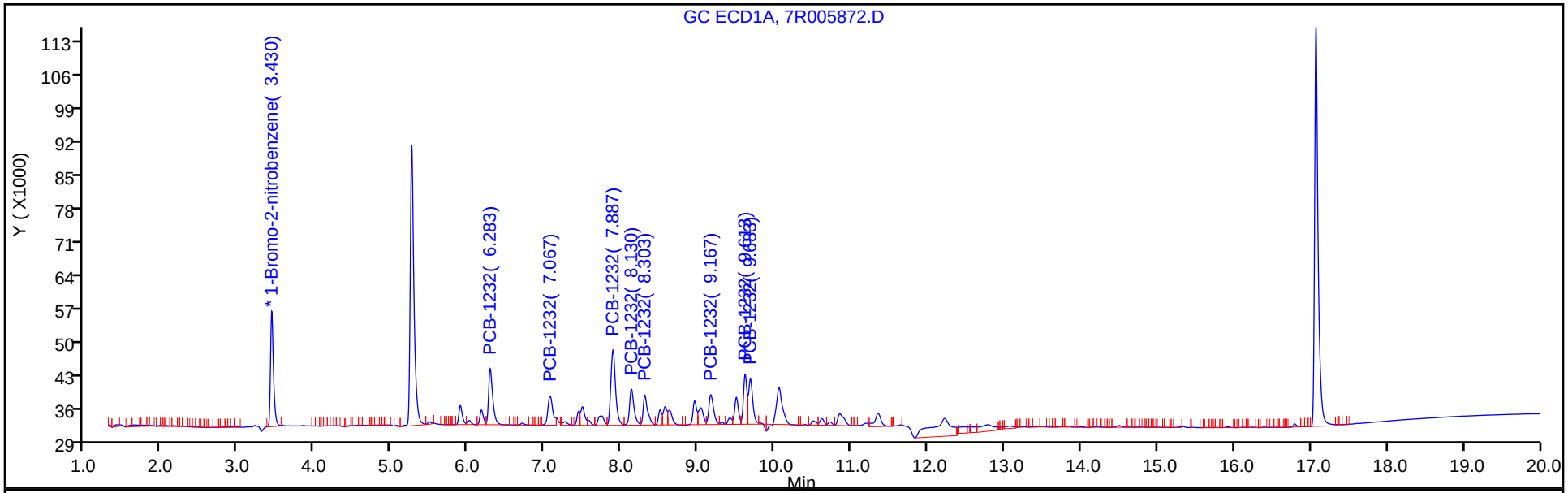
Reagents:

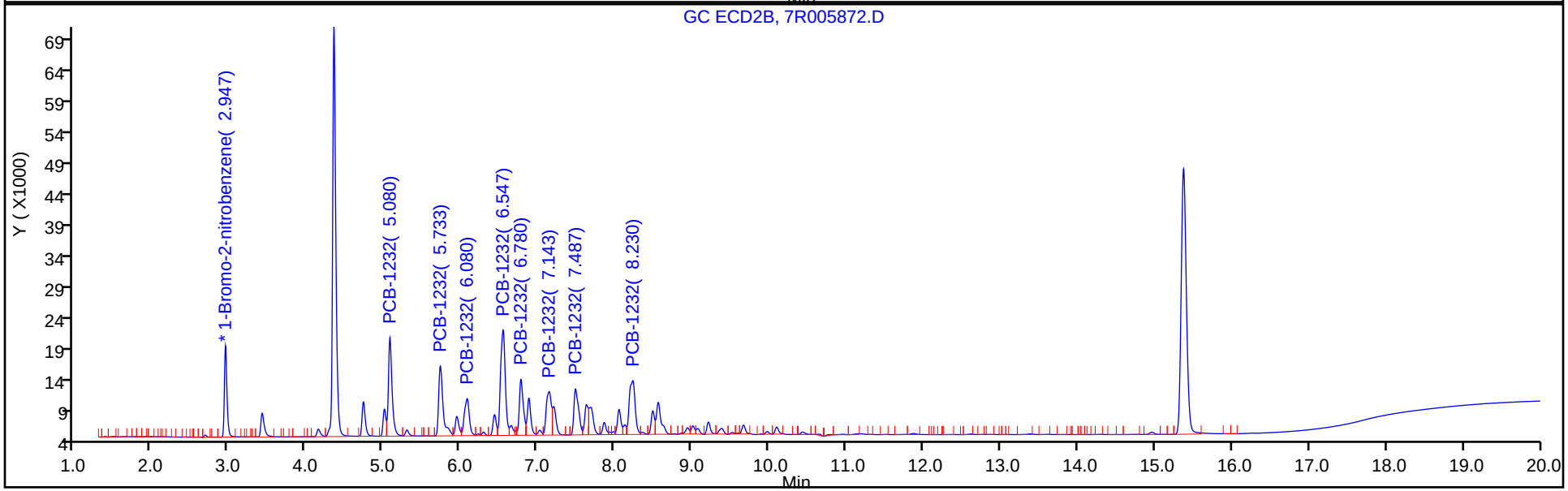
SG1232L4_00028	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:18 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005872.D				
Injection Date:	08-Jul-2019 13:25:43	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:25 Calibration End Date: 07/08/2019 13:25 Calibration ID: 75600

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/9	7R005872.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0307					Ave		0.0307						20.0			0.9900
PCB-1232 Peak 2	0.0263					Ave		0.0263						20.0			0.9900
PCB-1232 Peak 3	0.0155					Ave		0.0155						20.0			0.9900
PCB-1232 Peak 4	0.0423					Ave		0.0423						20.0			0.9900
PCB-1232 Peak 5	0.0190					Ave		0.0190						20.0			0.9900
PCB-1232 Peak 6	0.0187					Ave		0.0187						20.0			0.9900
PCB-1232 Peak 7	0.0182					Ave		0.0182						20.0			0.9900
PCB-1232 Peak 8	0.0266					Ave		0.0266						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:25 Calibration End Date: 07/08/2019 13:25 Calibration ID: 75600

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/9	7R005872.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	52928					1000				
PCB-1232 Peak 2	BNB	Ave	45326					1000				
PCB-1232 Peak 3	BNB	Ave	26722					1000				
PCB-1232 Peak 4	BNB	Ave	72996					1000				
PCB-1232 Peak 5	BNB	Ave	32723					1000				
PCB-1232 Peak 6	BNB	Ave	32298					1000				
PCB-1232 Peak 7	BNB	Ave	31458					1000				
PCB-1232 Peak 8	BNB	Ave	45882					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005872.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 13:25:43 ALS Bottle#: 27 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-009
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub3

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:17 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:34:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	66111	20.0	20.0	M
2	2.947	2.947	0.000	34479	20.0	20.0	
						RPD = 0.00	
3 PCB-1232							M
1	6.283	6.283	0.000	44598	1000.0	1000.0	
1	7.067	7.067	0.000	28076	1000.0	1000.0	M
1	7.887	7.887	0.000	68551	1000.0	1000.0	M
1	8.130	8.130	0.000	31287	1000.0	1000.0	M
1	8.303	8.303	0.000	25712	1000.0	1000.0	M
1	9.167	9.167	0.000	27100	1000.0	1000.0	M
1	9.613	9.613	0.000	33906	1000.0	1000.0	M
1	9.683	9.683	0.000	36185	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	5.080	5.080	0.000	52928	1000.0	1000.0	
2	5.733	5.733	0.000	45326	1000.0	1000.0	
2	6.080	6.080	0.000	26722	1000.0	1000.0	
2	6.547	6.547	0.000	72996	1000.0	1000.0	
2	6.780	6.780	0.000	32723	1000.0	1000.0	
2	7.143	7.143	0.000	32298	1000.0	1000.0	
2	7.487	7.487	0.000	31458	1000.0	1000.0	
2	8.230	8.230	0.000	45882	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

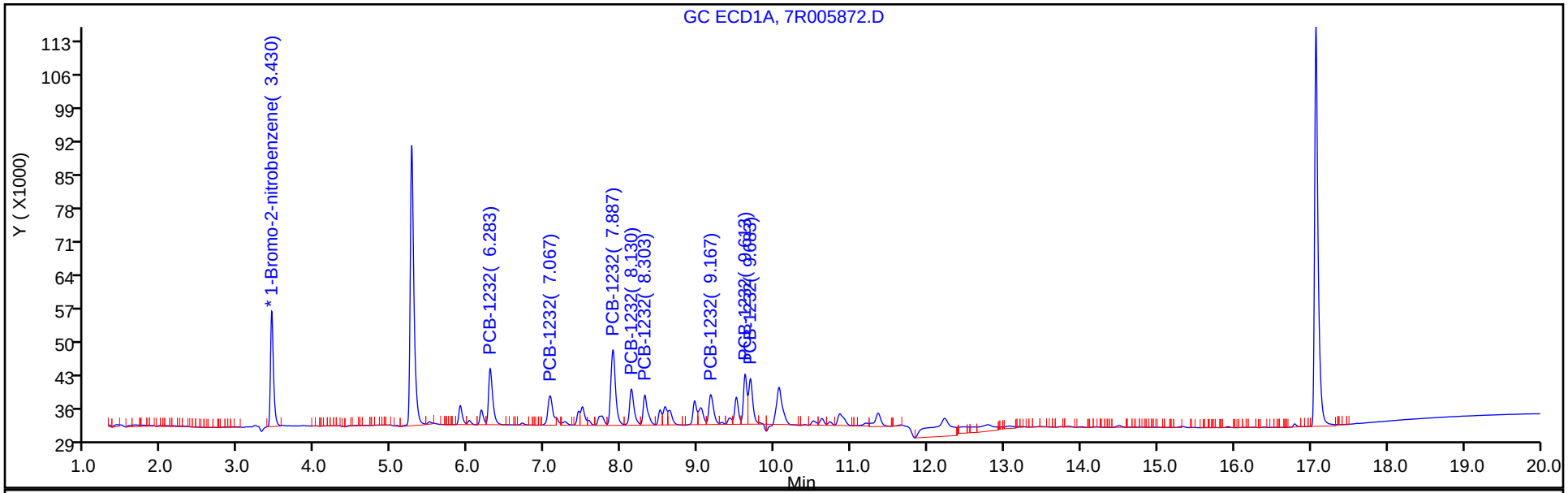
Reagents:

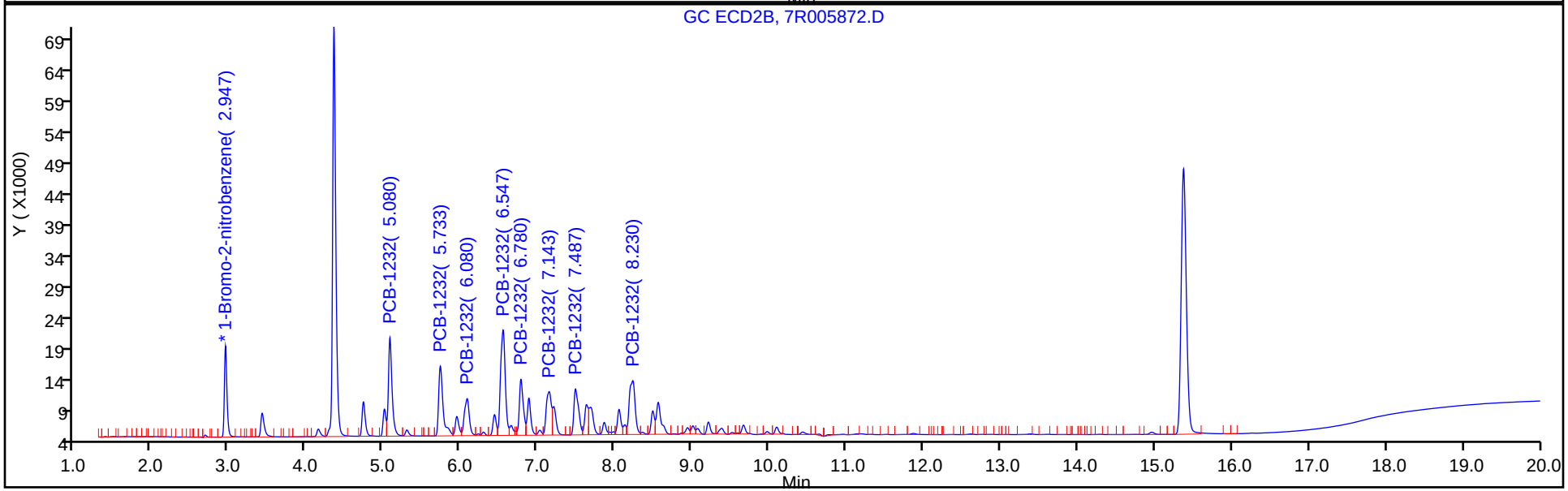
SG1232L4_00028	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:19 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005872.D				
Injection Date:	08-Jul-2019 13:25:43	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:49 Calibration End Date: 07/08/2019 13:49 Calibration ID: 75605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/10	7R005873.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0094					Ave		0.0094						20.0			0.9900
PCB-1242 Peak 2	0.0141					Ave		0.0141						20.0			0.9900
PCB-1242 Peak 3	0.0351					Ave		0.0351						20.0			0.9900
PCB-1242 Peak 4	0.0162					Ave		0.0162						20.0			0.9900
PCB-1242 Peak 5	0.0140					Ave		0.0140						20.0			0.9900
PCB-1242 Peak 6	0.0165					Ave		0.0165						20.0			0.9900
PCB-1242 Peak 7	0.0206					Ave		0.0206						20.0			0.9900
PCB-1242 Peak 8	0.0224					Ave		0.0224						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:49 Calibration End Date: 07/08/2019 13:49 Calibration ID: 75605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/10	7R005873.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	33740					1000				
PCB-1242 Peak 2	BNB	Ave	50903					1000				
PCB-1242 Peak 3	BNB	Ave	126177					1000				
PCB-1242 Peak 4	BNB	Ave	58388					1000				
PCB-1242 Peak 5	BNB	Ave	50212					1000				
PCB-1242 Peak 6	BNB	Ave	59441					1000				
PCB-1242 Peak 7	BNB	Ave	74181					1000				
PCB-1242 Peak 8	BNB	Ave	80727					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005873.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 13:49:38 ALS Bottle#: 28 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-010
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub4

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:26 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:35:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.433	3.433	0.000	71950	20.0	20.0	
2	2.947	2.947	0.000	37058	20.0	20.0	
						RPD = 0.00	
4 PCB-1242							M
1	6.283	6.283	0.000	33740	1000.0	1000.0	
1	7.067	7.067	0.000	50903	1000.0	1000.0	
1	7.890	7.890	0.000	126177	1000.0	1000.0	M
1	8.127	8.127	0.000	58388	1000.0	1000.0	M
1	8.303	8.303	0.000	50212	1000.0	1000.0	M
1	9.163	9.163	0.000	59441	1000.0	1000.0	M
1	9.613	9.613	0.000	74181	1000.0	1000.0	M
1	9.683	9.683	0.000	80727	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	5.080	5.080	0.000	39749	1000.0	1000.0	
2	5.733	5.733	0.000	76000	1000.0	1000.0	M
2	6.080	6.080	0.000	48393	1000.0	1000.0	M
2	6.547	6.547	0.000	136357	1000.0	1000.0	M
2	6.777	6.777	0.000	60792	1000.0	1000.0	M
2	7.487	7.487	0.000	65100	1000.0	1000.0	M
2	8.230	8.230	0.000	96185	1000.0	1000.0	M
2	8.557	8.557	0.000	50713	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

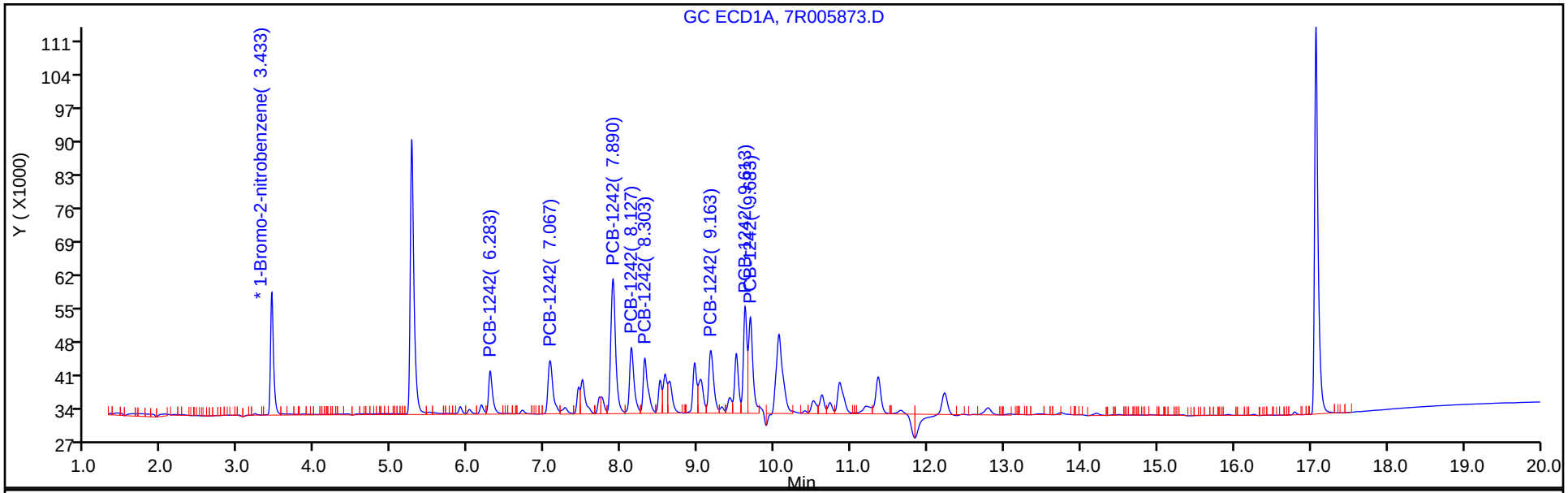
Reagents:

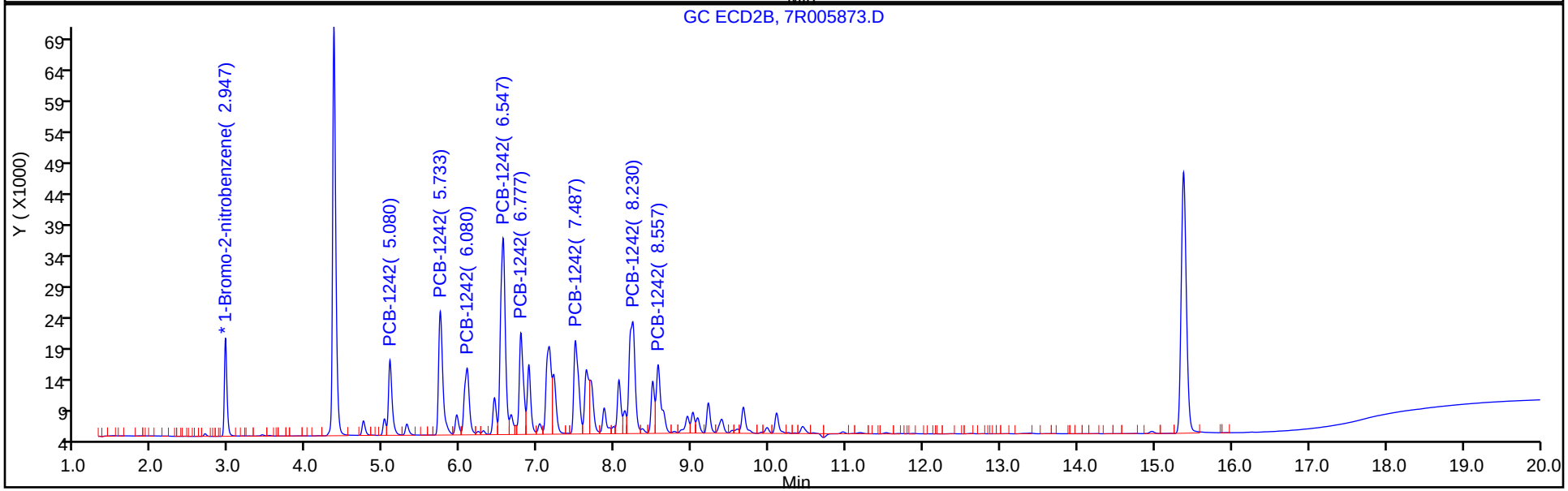
SG1242L4_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:27 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005873.D				
Injection Date:	08-Jul-2019 13:49:38	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:49 Calibration End Date: 07/08/2019 13:49 Calibration ID: 75606

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/10	7R005873.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0215					Ave		0.0215						20.0			0.9900
PCB-1242 Peak 2	0.0410					Ave		0.0410						20.0			0.9900
PCB-1242 Peak 3	0.0261					Ave		0.0261						20.0			0.9900
PCB-1242 Peak 4	0.0736					Ave		0.0736						20.0			0.9900
PCB-1242 Peak 5	0.0328					Ave		0.0328						20.0			0.9900
PCB-1242 Peak 6	0.0351					Ave		0.0351						20.0			0.9900
PCB-1242 Peak 7	0.0519					Ave		0.0519						20.0			0.9900
PCB-1242 Peak 8	0.0274					Ave		0.0274						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 13:49 Calibration End Date: 07/08/2019 13:49 Calibration ID: 75606

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/10	7R005873.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	39749					1000				
PCB-1242 Peak 2	BNB	Ave	76000					1000				
PCB-1242 Peak 3	BNB	Ave	48393					1000				
PCB-1242 Peak 4	BNB	Ave	136357					1000				
PCB-1242 Peak 5	BNB	Ave	60792					1000				
PCB-1242 Peak 6	BNB	Ave	65100					1000				
PCB-1242 Peak 7	BNB	Ave	96185					1000				
PCB-1242 Peak 8	BNB	Ave	50713					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005873.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 13:49:38 ALS Bottle#: 28 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-010
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub4

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:26 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:35:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.433	3.433	0.000	71950	20.0	20.0	
2	2.947	2.947	0.000	37058	20.0	20.0	
						RPD = 0.00	
4 PCB-1242							M
1	6.283	6.283	0.000	33740	1000.0	1000.0	
1	7.067	7.067	0.000	50903	1000.0	1000.0	
1	7.890	7.890	0.000	126177	1000.0	1000.0	M
1	8.127	8.127	0.000	58388	1000.0	1000.0	M
1	8.303	8.303	0.000	50212	1000.0	1000.0	M
1	9.163	9.163	0.000	59441	1000.0	1000.0	M
1	9.613	9.613	0.000	74181	1000.0	1000.0	M
1	9.683	9.683	0.000	80727	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	5.080	5.080	0.000	39749	1000.0	1000.0	
2	5.733	5.733	0.000	76000	1000.0	1000.0	M
2	6.080	6.080	0.000	48393	1000.0	1000.0	M
2	6.547	6.547	0.000	136357	1000.0	1000.0	M
2	6.777	6.777	0.000	60792	1000.0	1000.0	M
2	7.487	7.487	0.000	65100	1000.0	1000.0	M
2	8.230	8.230	0.000	96185	1000.0	1000.0	M
2	8.557	8.557	0.000	50713	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

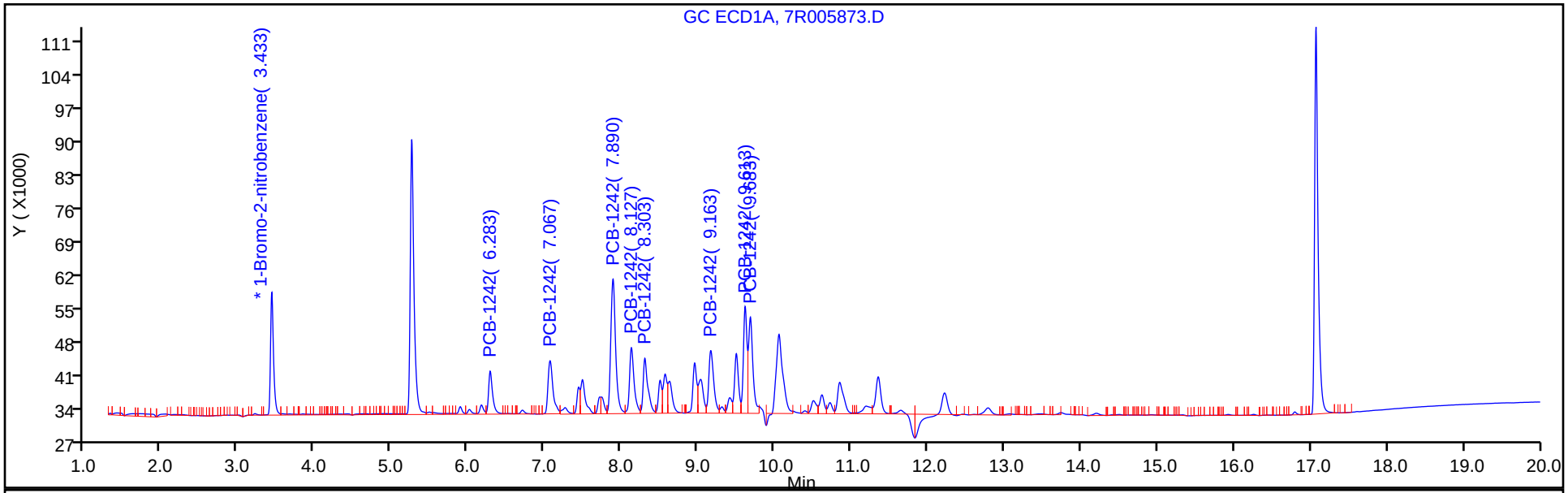
Reagents:

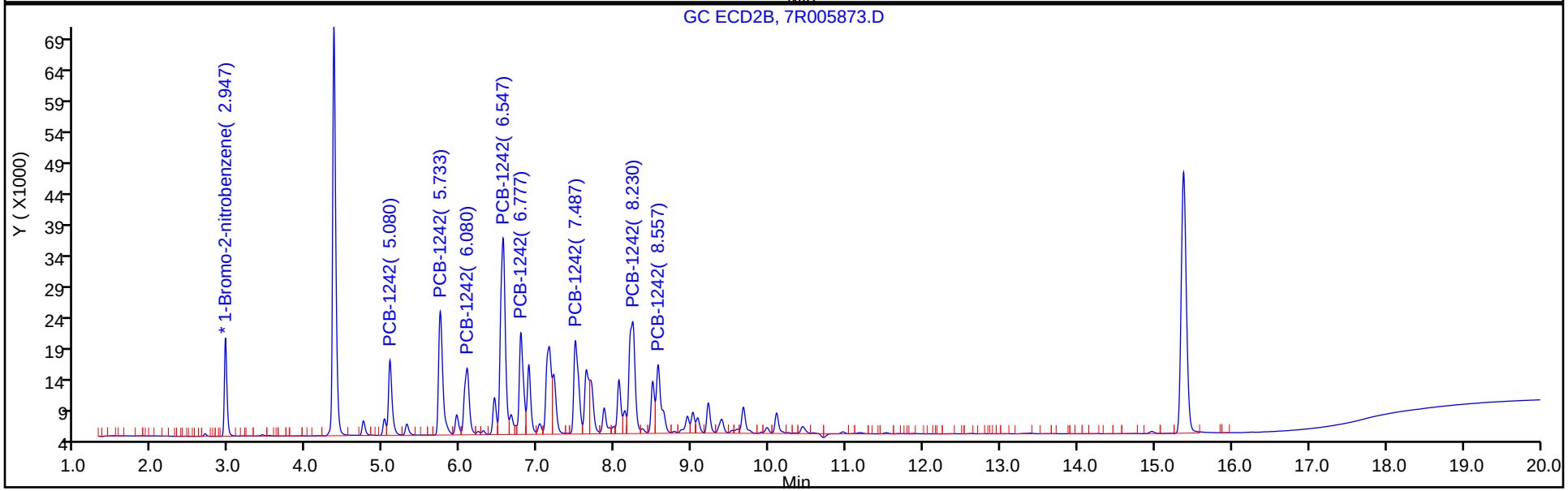
SG1242L4_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:29 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005873.D				
Injection Date:	08-Jul-2019 13:49:38	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 14:13 Calibration End Date: 07/08/2019 14:13 Calibration ID: 75611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/11	7R005874.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0078					Ave		0.0078						20.0			0.9900
PCB-1248 Peak 2	0.0248					Ave		0.0248						20.0			0.9900
PCB-1248 Peak 3	0.0120					Ave		0.0120						20.0			0.9900
PCB-1248 Peak 4	0.0124					Ave		0.0124						20.0			0.9900
PCB-1248 Peak 5	0.0252					Ave		0.0252						20.0			0.9900
PCB-1248 Peak 6	0.0376					Ave		0.0376						20.0			0.9900
PCB-1248 Peak 7	0.0386					Ave		0.0386						20.0			0.9900
PCB-1248 Peak 8	0.0257					Ave		0.0257						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 14:13 Calibration End Date: 07/08/2019 14:13 Calibration ID: 75611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/11	7R005874.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	25689					1000				
PCB-1248 Peak 2	BNB	Ave	81558					1000				
PCB-1248 Peak 3	BNB	Ave	39460					1000				
PCB-1248 Peak 4	BNB	Ave	40937					1000				
PCB-1248 Peak 5	BNB	Ave	82890					1000				
PCB-1248 Peak 6	BNB	Ave	123786					1000				
PCB-1248 Peak 7	BNB	Ave	126959					1000				
PCB-1248 Peak 8	BNB	Ave	84483					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005874.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 14:13:26 ALS Bottle#: 29 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-011
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub5

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:35 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:36:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	65812	20.0	20.0	
2	2.947	2.947	0.000	34465	20.0	20.0	
						RPD = 0.00	
6 PCB-1248							M
1	7.063	7.063	0.000	25689	1000.0	1000.0	M
1	7.887	7.887	0.000	81558	1000.0	1000.0	M
1	8.503	8.503	0.000	39460	1000.0	1000.0	M
1	8.567	8.567	0.000	40937	1000.0	1000.0	M
1	9.163	9.163	0.000	82890	1000.0	1000.0	M
1	9.613	9.613	0.000	123786	1000.0	1000.0	M
1	9.680	9.680	0.000	126959	1000.0	1000.0	M
1	10.847	10.847	0.000	84483	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	5.733	5.733	0.000	40569	1000.0	1000.0	
2	6.543	6.543	0.000	87820	1000.0	1000.0	
2	7.140	7.140	0.000	100944	1000.0	1000.0	
2	7.483	7.483	0.000	93891	1000.0	1000.0	M
2	8.223	8.223	0.000	156487	1000.0	1000.0	M
2	8.560	8.560	0.000	72581	1000.0	1000.0	M
2	9.207	9.207	0.000	43622	1000.0	1000.0	M
2	9.663	9.663	0.000	35412	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

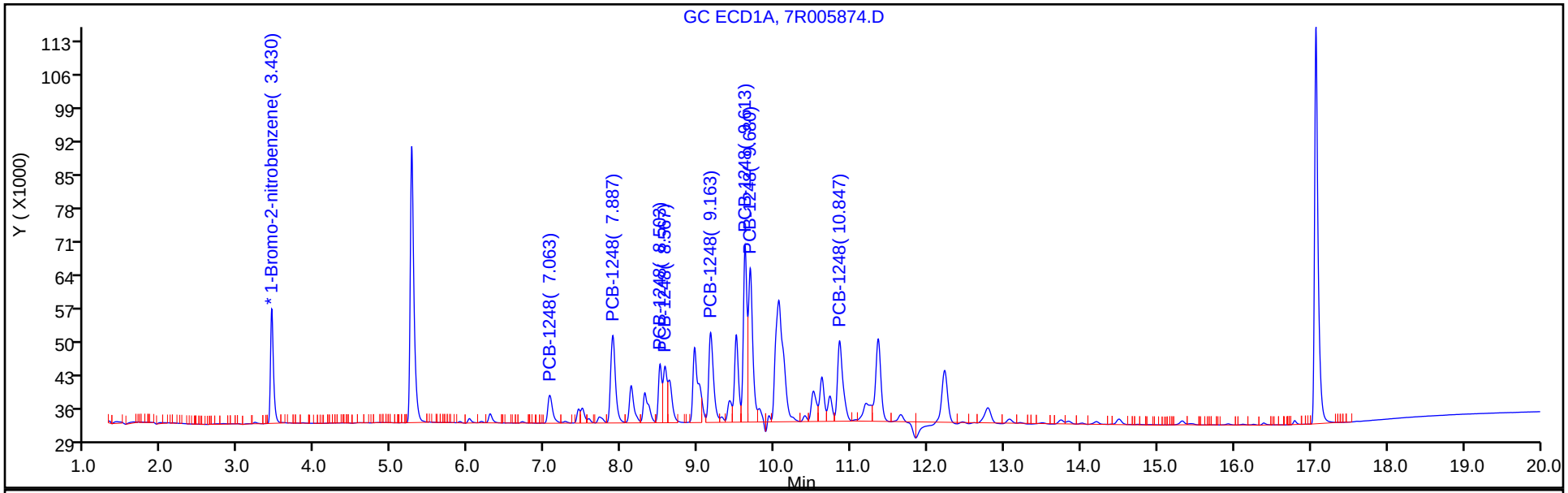
Reagents:

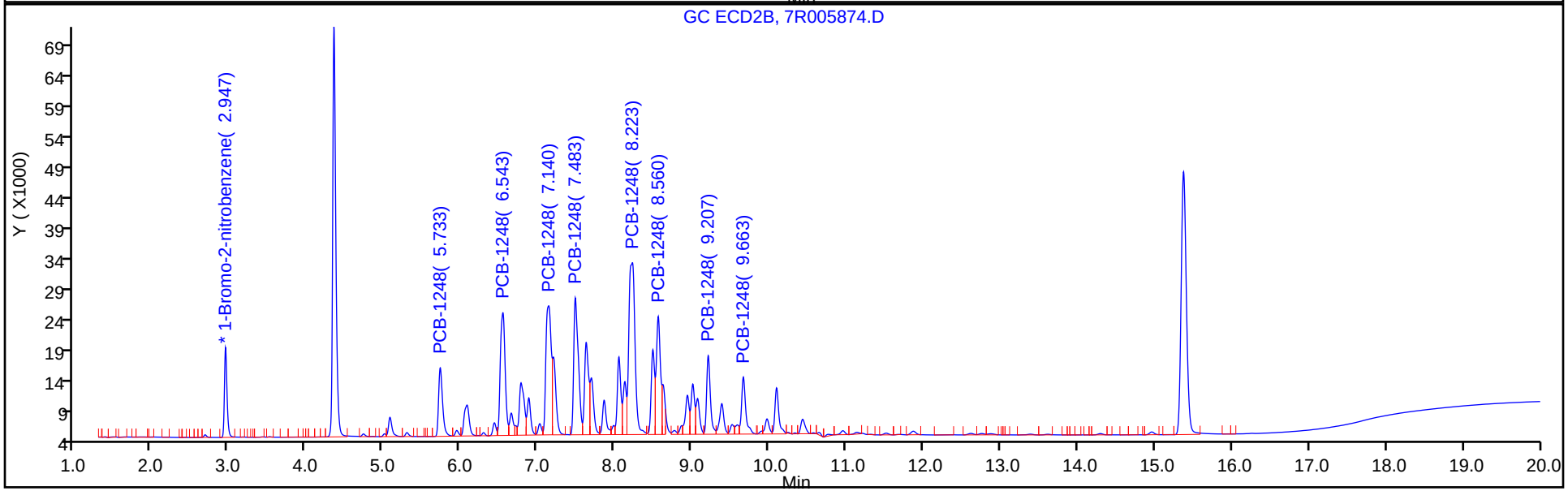
SG1248L4_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:36 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005874.D				
Injection Date:	08-Jul-2019 14:13:26	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 14:13 Calibration End Date: 07/08/2019 14:13 Calibration ID: 75612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/11	7R005874.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0235					Ave		0.0235						20.0			0.9900
PCB-1248 Peak 2	0.0510					Ave		0.0510						20.0			0.9900
PCB-1248 Peak 3	0.0586					Ave		0.0586						20.0			0.9900
PCB-1248 Peak 4	0.0545					Ave		0.0545						20.0			0.9900
PCB-1248 Peak 5	0.0908					Ave		0.0908						20.0			0.9900
PCB-1248 Peak 6	0.0421					Ave		0.0421						20.0			0.9900
PCB-1248 Peak 7	0.0253					Ave		0.0253						20.0			0.9900
PCB-1248 Peak 8	0.0205					Ave		0.0205						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 14:13 Calibration End Date: 07/08/2019 14:13 Calibration ID: 75612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/11	7R005874.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	40569					1000				
PCB-1248 Peak 2	BNB	Ave	87820					1000				
PCB-1248 Peak 3	BNB	Ave	100944					1000				
PCB-1248 Peak 4	BNB	Ave	93891					1000				
PCB-1248 Peak 5	BNB	Ave	156487					1000				
PCB-1248 Peak 6	BNB	Ave	72581					1000				
PCB-1248 Peak 7	BNB	Ave	43622					1000				
PCB-1248 Peak 8	BNB	Ave	35412					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005874.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 14:13:26 ALS Bottle#: 29 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-011
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub5

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:35 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:36:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	65812	20.0	20.0	
2	2.947	2.947	0.000	34465	20.0	20.0	
						RPD = 0.00	
6 PCB-1248							M
1	7.063	7.063	0.000	25689	1000.0	1000.0	M
1	7.887	7.887	0.000	81558	1000.0	1000.0	M
1	8.503	8.503	0.000	39460	1000.0	1000.0	M
1	8.567	8.567	0.000	40937	1000.0	1000.0	M
1	9.163	9.163	0.000	82890	1000.0	1000.0	M
1	9.613	9.613	0.000	123786	1000.0	1000.0	M
1	9.680	9.680	0.000	126959	1000.0	1000.0	M
1	10.847	10.847	0.000	84483	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	5.733	5.733	0.000	40569	1000.0	1000.0	
2	6.543	6.543	0.000	87820	1000.0	1000.0	
2	7.140	7.140	0.000	100944	1000.0	1000.0	
2	7.483	7.483	0.000	93891	1000.0	1000.0	M
2	8.223	8.223	0.000	156487	1000.0	1000.0	M
2	8.560	8.560	0.000	72581	1000.0	1000.0	M
2	9.207	9.207	0.000	43622	1000.0	1000.0	M
2	9.663	9.663	0.000	35412	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

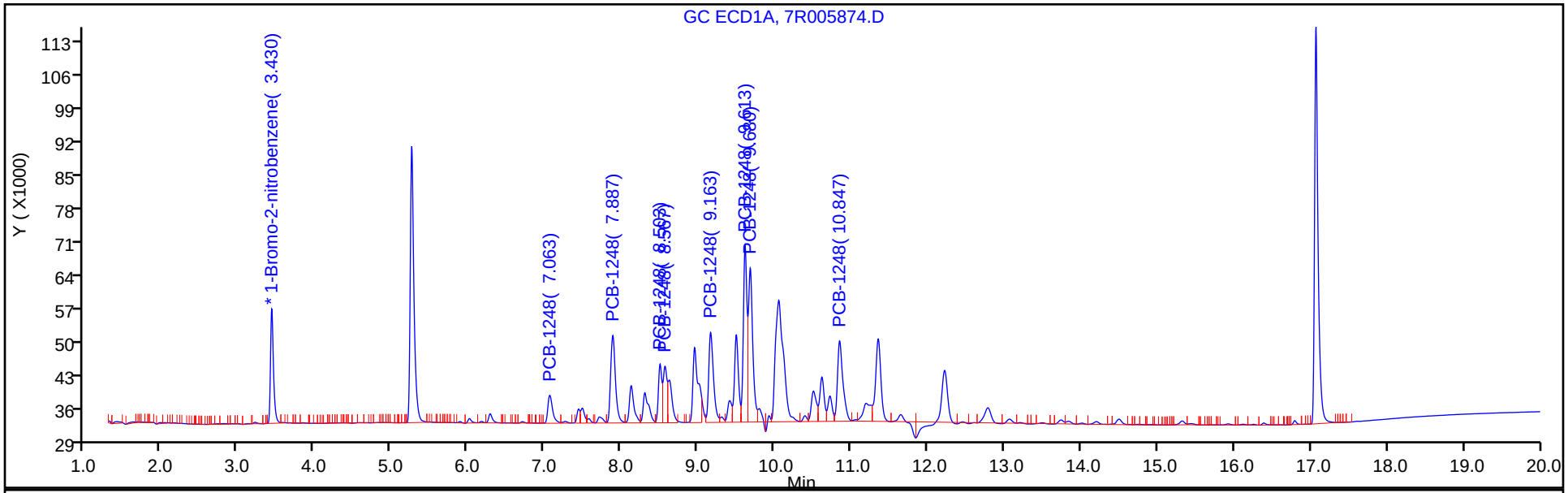
Reagents:

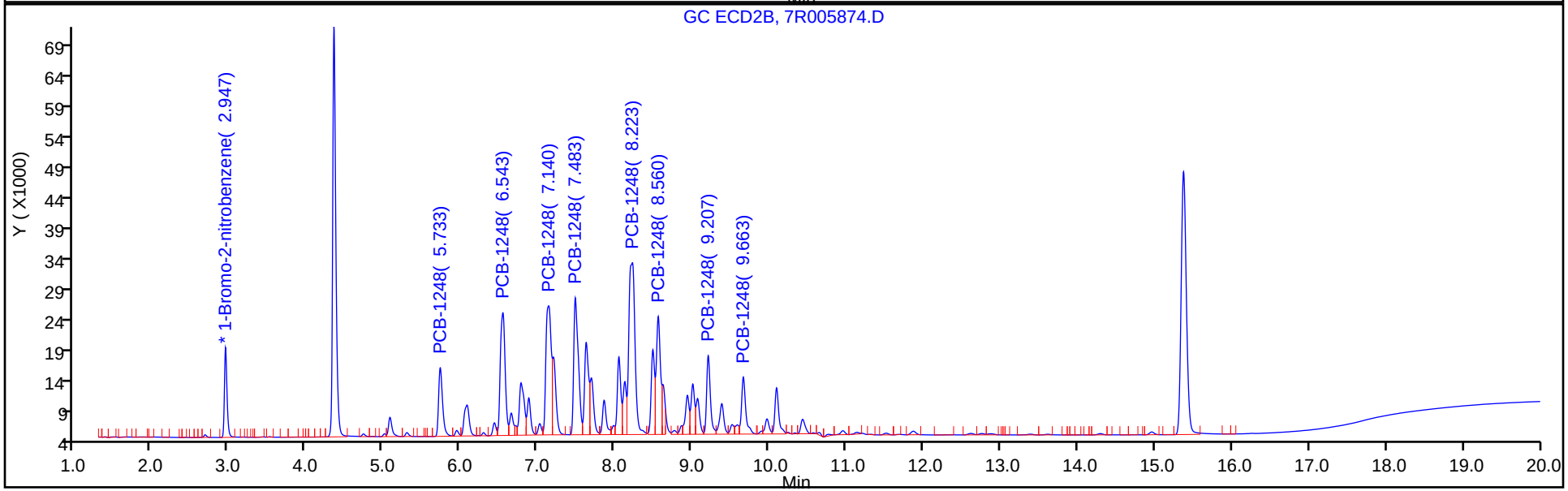
SG1248L4_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:36 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005874.D				
Injection Date:	08-Jul-2019 14:13:26	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 14:37 Calibration End Date: 07/08/2019 14:37 Calibration ID: 75617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/12	7R005875.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0087					Ave		0.0087						20.0			0.9900
PCB-1254 Peak 2	0.0326					Ave		0.0326						20.0			0.9900
PCB-1254 Peak 3	0.0629					Ave		0.0629				1.0		20.0			0.9900
PCB-1254 Peak 4	0.0355					Ave		0.0355						20.0			0.9900
PCB-1254 Peak 5	0.0850					Ave		0.0850						20.0			0.9900
PCB-1254 Peak 6	0.0962					Ave		0.0962						20.0			0.9900
PCB-1254 Peak 7	0.0747					Ave		0.0747						20.0			0.9900
PCB-1254 Peak 8	0.1037					Ave		0.1037						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 14:37 Calibration End Date: 07/08/2019 14:37 Calibration ID: 75617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/12	7R005875.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	29139					1000				
PCB-1254 Peak 2	BNB	Ave	109373					1000				
PCB-1254 Peak 3	BNB	Ave	210847					1000				
PCB-1254 Peak 4	BNB	Ave	118912					1000				
PCB-1254 Peak 5	BNB	Ave	284963					1000				
PCB-1254 Peak 6	BNB	Ave	322592					1000				
PCB-1254 Peak 7	BNB	Ave	250655					1000				
PCB-1254 Peak 8	BNB	Ave	347752					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005875.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 14:37:07 ALS Bottle#: 30 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-012
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub6

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:42 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:36:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	67084	20.0	20.0	M
2	2.947	2.947	0.000	35199	20.0	20.0	
						RPD = 0.00	
7 PCB-1254							M
1	8.957	8.957	0.000	29139	1000.0	1000.0	
1	9.677	9.677	0.000	109373	1000.0	1000.0	
1	10.013	10.013	0.000	210847	1000.0	1000.0	
1	10.617	10.617	0.000	118912	1000.0	1000.0	
1	10.847	10.847	0.000	284963	1000.0	1000.0	
1	11.353	11.353	0.000	322592	1000.0	1000.0	
1	12.220	12.220	0.000	250655	1000.0	1000.0	
1	12.787	12.787	0.000	347752	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	7.483	7.483	0.000	32920	1000.0	1000.0	M
2	8.127	8.127	0.000	77973	1000.0	1000.0	M
2	8.570	8.570	0.000	120194	1000.0	1000.0	M
2	9.007	9.007	0.000	89835	1000.0	1000.0	M
2	9.207	9.207	0.000	155777	1000.0	1000.0	M
2	9.663	9.663	0.000	125010	1000.0	1000.0	M
2	9.970	9.970	0.000	107543	1000.0	1000.0	M
2	10.430	10.430	0.000	148615	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

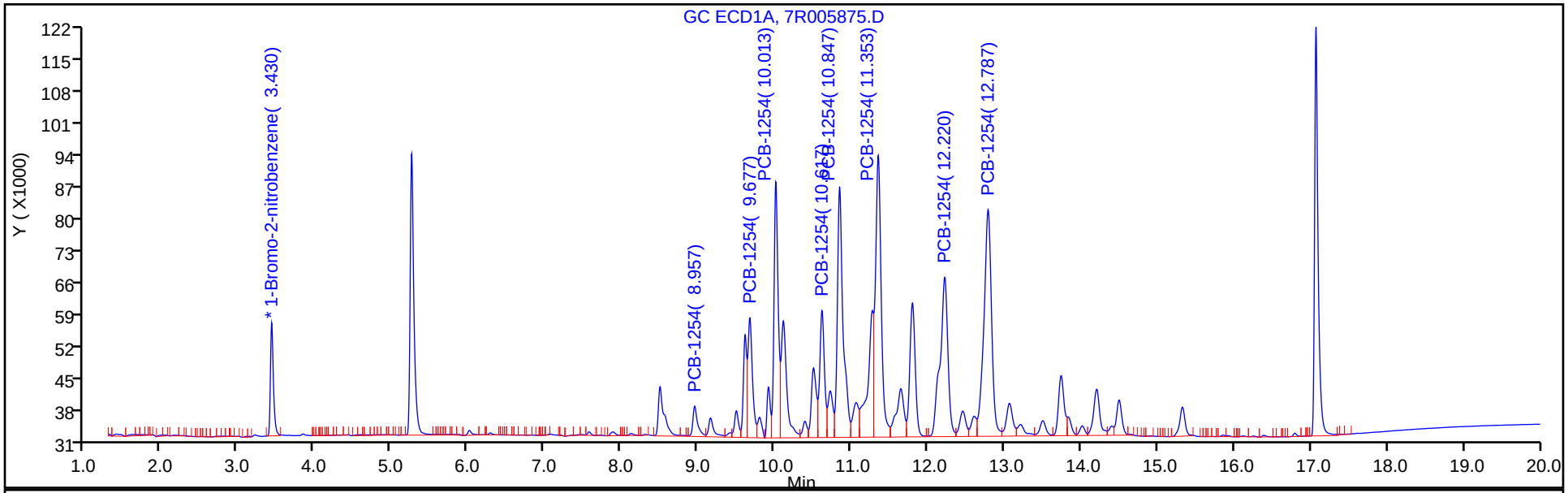
Reagents:

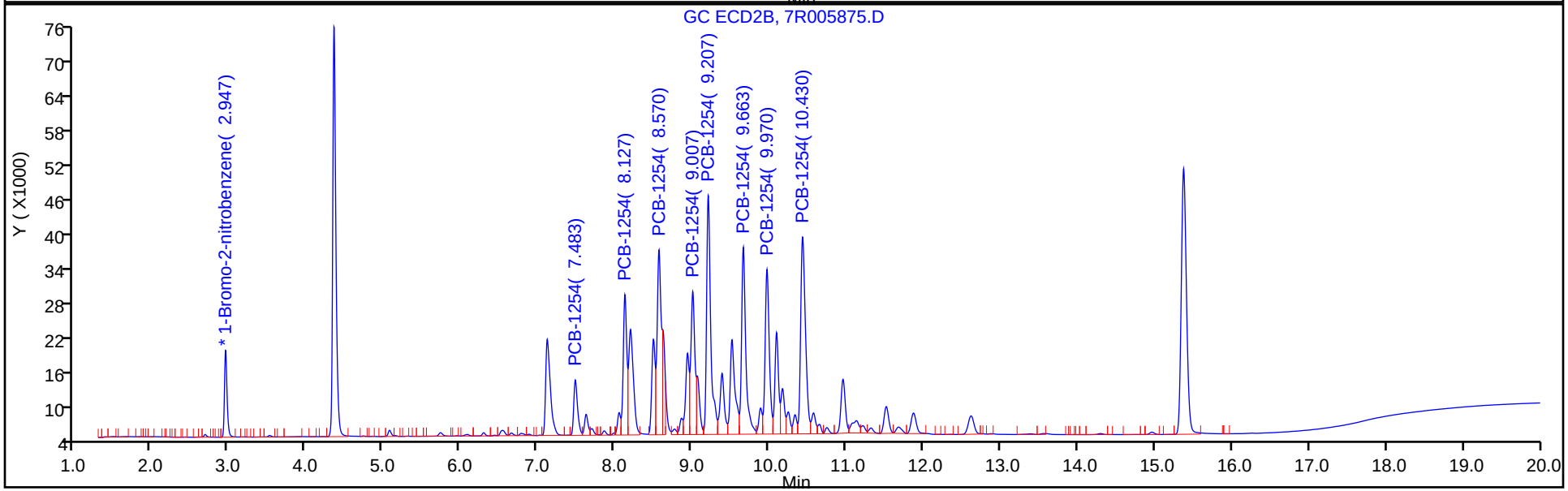
SG1254L4_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:43 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005875.D				
Injection Date:	08-Jul-2019 14:37:07	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 14:37 Calibration End Date: 07/08/2019 14:37 Calibration ID: 75618

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/12	7R005875.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0187					Ave		0.0187						20.0			0.9900
PCB-1254 Peak 2	0.0443					Ave		0.0443						20.0			0.9900
PCB-1254 Peak 3	0.0683					Ave		0.0683						20.0			0.9900
PCB-1254 Peak 4	0.0510					Ave		0.0510						20.0			0.9900
PCB-1254 Peak 5	0.0885					Ave		0.0885						20.0			0.9900
PCB-1254 Peak 6	0.0710					Ave		0.0710						20.0			0.9900
PCB-1254 Peak 7	0.0611					Ave		0.0611						20.0			0.9900
PCB-1254 Peak 8	0.0844					Ave		0.0844						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 14:37 Calibration End Date: 07/08/2019 14:37 Calibration ID: 75618

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/12	7R005875.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	32920					1000				
PCB-1254 Peak 2	BNB	Ave	77973					1000				
PCB-1254 Peak 3	BNB	Ave	120194					1000				
PCB-1254 Peak 4	BNB	Ave	89835					1000				
PCB-1254 Peak 5	BNB	Ave	155777					1000				
PCB-1254 Peak 6	BNB	Ave	125010					1000				
PCB-1254 Peak 7	BNB	Ave	107543					1000				
PCB-1254 Peak 8	BNB	Ave	148615					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005875.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 14:37:07 ALS Bottle#: 30 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-012
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub6

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:42 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:36:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.430	3.430	0.000	67084	20.0	20.0	M
2	2.947	2.947	0.000	35199	20.0	20.0	
						RPD = 0.00	
7 PCB-1254							M
1	8.957	8.957	0.000	29139	1000.0	1000.0	
1	9.677	9.677	0.000	109373	1000.0	1000.0	
1	10.013	10.013	0.000	210847	1000.0	1000.0	
1	10.617	10.617	0.000	118912	1000.0	1000.0	
1	10.847	10.847	0.000	284963	1000.0	1000.0	
1	11.353	11.353	0.000	322592	1000.0	1000.0	
1	12.220	12.220	0.000	250655	1000.0	1000.0	
1	12.787	12.787	0.000	347752	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	7.483	7.483	0.000	32920	1000.0	1000.0	M
2	8.127	8.127	0.000	77973	1000.0	1000.0	M
2	8.570	8.570	0.000	120194	1000.0	1000.0	M
2	9.007	9.007	0.000	89835	1000.0	1000.0	M
2	9.207	9.207	0.000	155777	1000.0	1000.0	M
2	9.663	9.663	0.000	125010	1000.0	1000.0	M
2	9.970	9.970	0.000	107543	1000.0	1000.0	M
2	10.430	10.430	0.000	148615	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

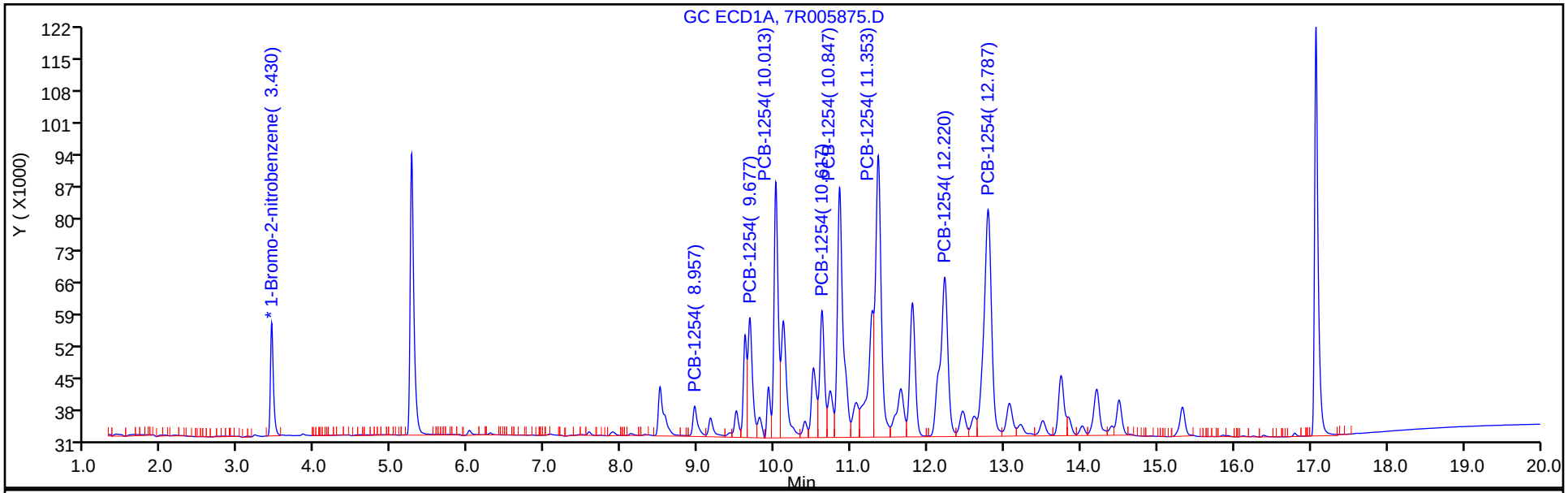
Reagents:

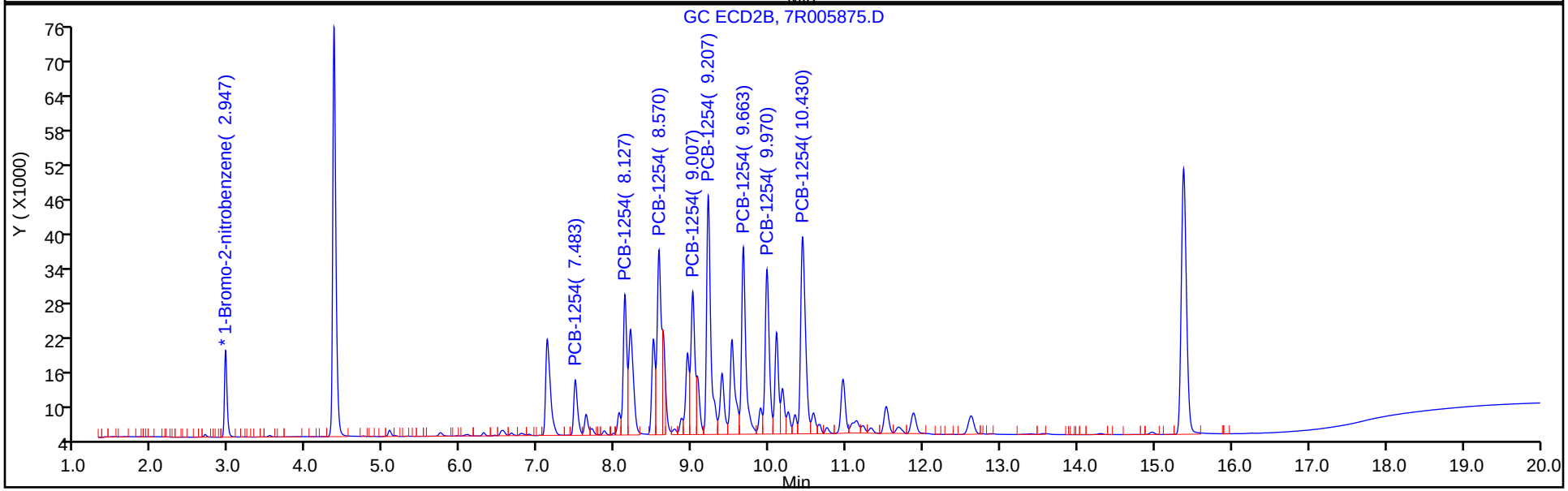
SG1254L4_00026	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:45 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005875.D				
Injection Date:	08-Jul-2019 14:37:07	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 15:01 Calibration End Date: 07/08/2019 15:01 Calibration ID: 75623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/13	7R005876.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0655					Ave		0.0655						20.0			0.9900
PCB-1262 Peak 2	0.0989					Ave		0.0989						20.0			0.9900
PCB-1262 Peak 3	0.1419					Ave		0.1419						20.0			0.9900
PCB-1262 Peak 4	0.1046					Ave		0.1046						20.0			0.9900
PCB-1262 Peak 5	0.2014					Ave		0.2014						20.0			0.9900
PCB-1262 Peak 6	0.0262					Ave		0.0262						20.0			0.9900
PCB-1262 Peak 7	0.0587					Ave		0.0587						20.0			0.9900
PCB-1262 Peak 8	0.0188					Ave		0.0188						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 15:01 Calibration End Date: 07/08/2019 15:01 Calibration ID: 75623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/13	7R005876.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	222814					1000				
PCB-1262 Peak 2	BNB	Ave	336264					1000				
PCB-1262 Peak 3	BNB	Ave	482433					1000				
PCB-1262 Peak 4	BNB	Ave	355767					1000				
PCB-1262 Peak 5	BNB	Ave	684874					1000				
PCB-1262 Peak 6	BNB	Ave	89122					1000				
PCB-1262 Peak 7	BNB	Ave	199698					1000				
PCB-1262 Peak 8	BNB	Ave	64028					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005876.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 15:01:12 ALS Bottle#: 31 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-013
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:50 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:37:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.433	3.433	0.000	68013	20.0	20.0	
2	2.947	2.947	0.000	35702	20.0	20.0	
						RPD = 0.00	
9 PCB-1262							
1	11.273	11.273	0.000	222814	1000.0	1000.0	
1	11.803	11.803	0.000	336264	1000.0	1000.0	
1	13.067	13.067	0.000	482433	1000.0	1000.0	
1	13.843	13.843	0.000	355767	1000.0	1000.0	
1	14.497	14.497	0.000	684874	1000.0	1000.0	
1	16.120	16.120	0.000	89122	1000.0	1000.0	
1	16.390	16.390	0.000	199698	1000.0	1000.0	
1	16.793	16.793	0.000	64028	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	9.513	9.513	0.000	107835	1000.0	1000.0	
2	11.130	11.130	0.000	159186	1000.0	1000.0	
2	11.867	11.867	0.000	329620	1000.0	1000.0	
2	12.613	12.613	0.000	114211	1000.0	1000.0	
2	12.873	12.873	0.000	146650	1000.0	1000.0	
2	13.610	13.610	0.000	53702	1000.0	1000.0	
2	14.293	14.293	0.000	114169	1000.0	1000.0	
2	14.960	14.960	0.000	44774	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

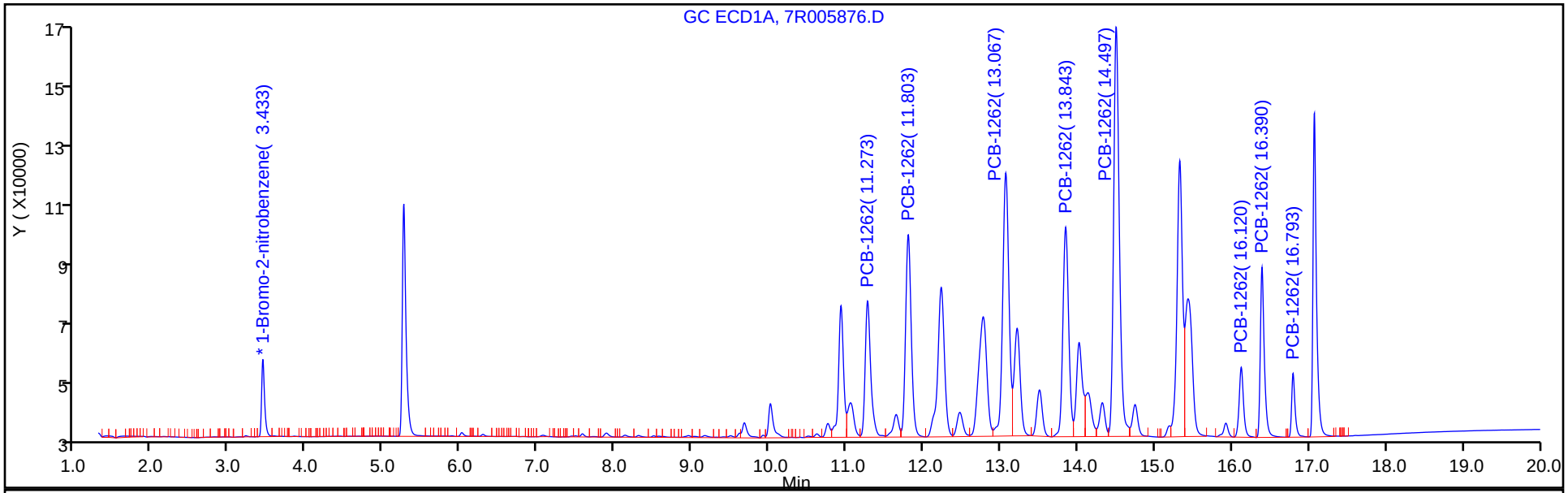
Reagents:

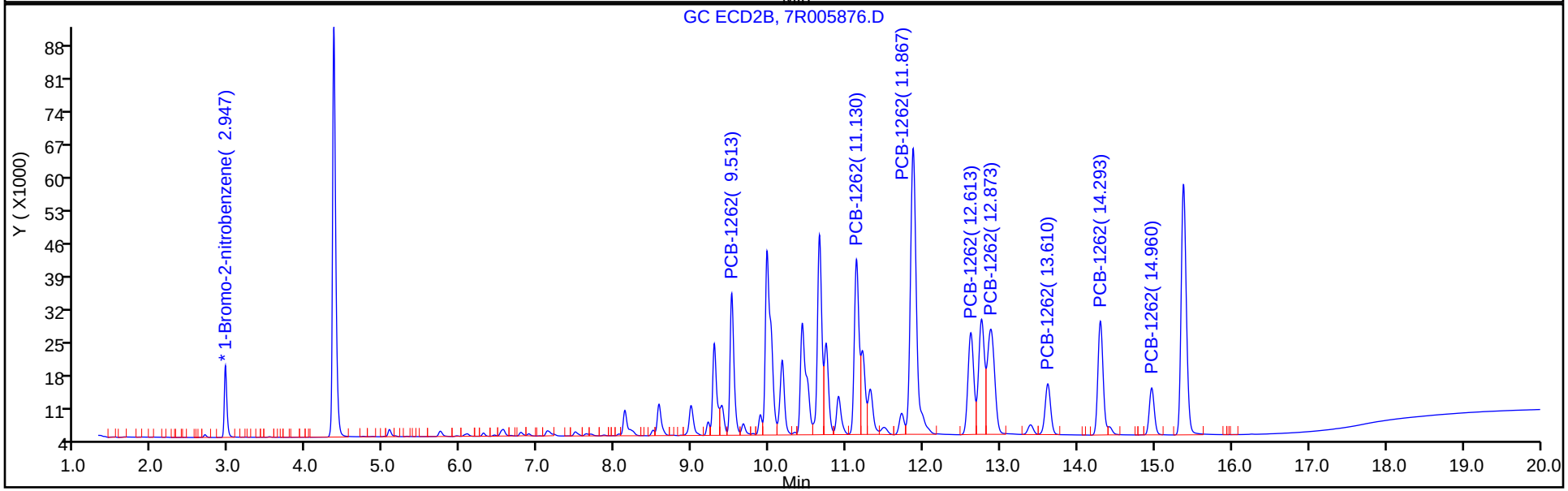
SG1262L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:51 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005876.D				
Injection Date:	08-Jul-2019 15:01:12	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 15:01 Calibration End Date: 07/08/2019 15:01 Calibration ID: 75624

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/13	7R005876.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0604					Ave		0.0604						20.0			0.9900
PCB-1262 Peak 2	0.0892					Ave		0.0892						20.0			0.9900
PCB-1262 Peak 3	0.1847					Ave		0.1847						20.0			0.9900
PCB-1262 Peak 4	0.0640					Ave		0.0640						20.0			0.9900
PCB-1262 Peak 5	0.0822					Ave		0.0822						20.0			0.9900
PCB-1262 Peak 6	0.0301					Ave		0.0301						20.0			0.9900
PCB-1262 Peak 7	0.0640					Ave		0.0640						20.0			0.9900
PCB-1262 Peak 8	0.0251					Ave		0.0251						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 15:01 Calibration End Date: 07/08/2019 15:01 Calibration ID: 75624

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/13	7R005876.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	107835					1000				
PCB-1262 Peak 2	BNB	Ave	159186					1000				
PCB-1262 Peak 3	BNB	Ave	329620					1000				
PCB-1262 Peak 4	BNB	Ave	114211					1000				
PCB-1262 Peak 5	BNB	Ave	146650					1000				
PCB-1262 Peak 6	BNB	Ave	53702					1000				
PCB-1262 Peak 7	BNB	Ave	114169					1000				
PCB-1262 Peak 8	BNB	Ave	44774					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005876.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 15:01:12 ALS Bottle#: 31 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-013
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:50 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:37:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.433	3.433	0.000	68013	20.0	20.0	
2	2.947	2.947	0.000	35702	20.0	20.0	
						RPD = 0.00	
9 PCB-1262							
1	11.273	11.273	0.000	222814	1000.0	1000.0	
1	11.803	11.803	0.000	336264	1000.0	1000.0	
1	13.067	13.067	0.000	482433	1000.0	1000.0	
1	13.843	13.843	0.000	355767	1000.0	1000.0	
1	14.497	14.497	0.000	684874	1000.0	1000.0	
1	16.120	16.120	0.000	89122	1000.0	1000.0	
1	16.390	16.390	0.000	199698	1000.0	1000.0	
1	16.793	16.793	0.000	64028	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	9.513	9.513	0.000	107835	1000.0	1000.0	
2	11.130	11.130	0.000	159186	1000.0	1000.0	
2	11.867	11.867	0.000	329620	1000.0	1000.0	
2	12.613	12.613	0.000	114211	1000.0	1000.0	
2	12.873	12.873	0.000	146650	1000.0	1000.0	
2	13.610	13.610	0.000	53702	1000.0	1000.0	
2	14.293	14.293	0.000	114169	1000.0	1000.0	
2	14.960	14.960	0.000	44774	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

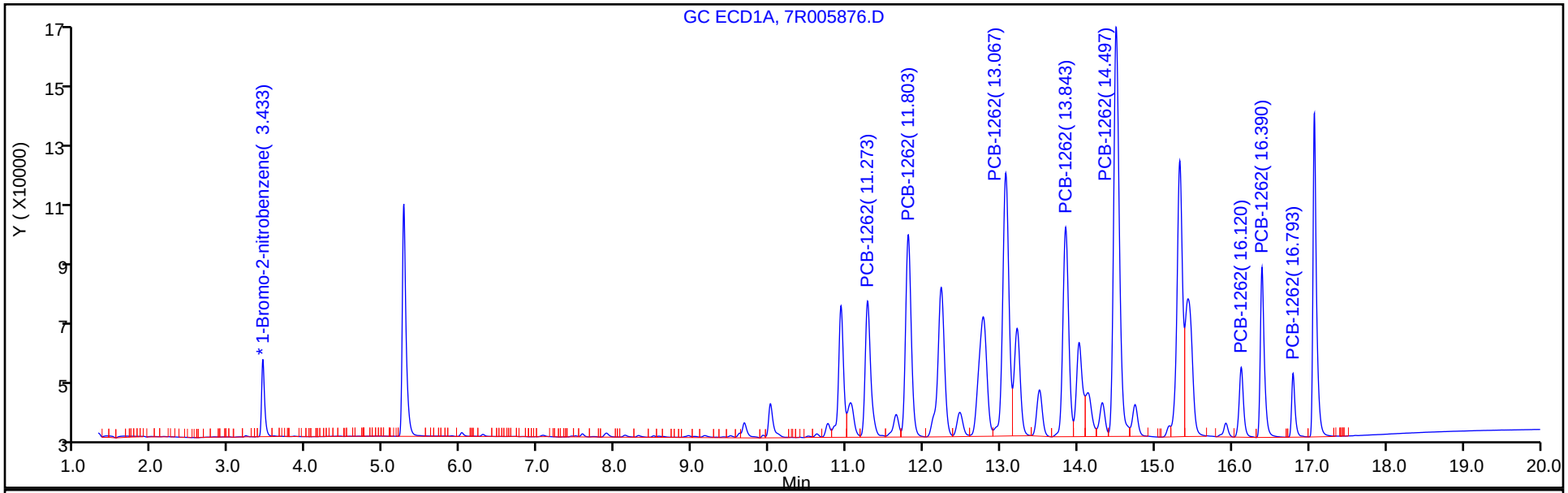
Reagents:

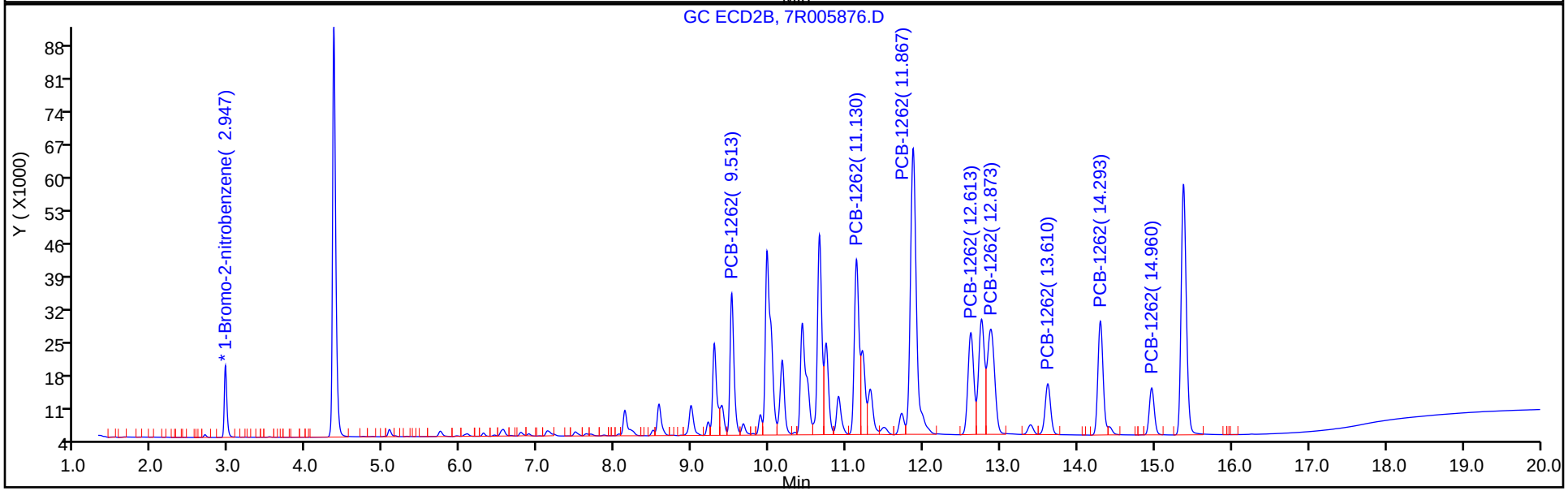
SG1262L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:51 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005876.D				
Injection Date:	08-Jul-2019 15:01:12	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 15:24 Calibration End Date: 07/08/2019 15:24 Calibration ID: 75629

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/14	7R005877.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0511					Ave		0.0511						20.0			0.9900
PCB-1268 Peak 2	0.0616					Ave		0.0616						20.0			0.9900
PCB-1268 Peak 3	0.1918					Ave		0.1918						20.0			0.9900
PCB-1268 Peak 4	0.1860					Ave		0.1860						20.0			0.9900
PCB-1268 Peak 5	0.1465					Ave		0.1465						20.0			0.9900
PCB-1268 Peak 6	0.0421					Ave		0.0421						20.0			0.9900
PCB-1268 Peak 7	0.0575					Ave		0.0575						20.0			0.9900
PCB-1268 Peak 8	0.3375					Ave		0.3375						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 15:24 Calibration End Date: 07/08/2019 15:24 Calibration ID: 75629

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/14	7R005877.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	173088					1000				
PCB-1268 Peak 2	BNB	Ave	208536					1000				
PCB-1268 Peak 3	BNB	Ave	649249					1000				
PCB-1268 Peak 4	BNB	Ave	629805					1000				
PCB-1268 Peak 5	BNB	Ave	495860					1000				
PCB-1268 Peak 6	BNB	Ave	142383					1000				
PCB-1268 Peak 7	BNB	Ave	194565					1000				
PCB-1268 Peak 8	BNB	Ave	1142492					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 15:24:59 ALS Bottle#: 32 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-014
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub8

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:56 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:48:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	67707	20.0	20.0	
2	2.947	2.947	0.000	34872	20.0	20.0	
						RPD = 0.00	
10 PCB-1268							
1	13.067	13.067	0.000	173088	1000.0	1000.0	
1	13.850	13.850	0.000	208536	1000.0	1000.0	
1	15.320	15.320	0.000	649249	1000.0	1000.0	
1	15.417	15.417	0.000	629805	1000.0	1000.0	
1	15.923	15.923	0.000	495860	1000.0	1000.0	
1	16.090	16.090	0.000	142383	1000.0	1000.0	
1	16.390	16.390	0.000	194565	1000.0	1000.0	
1	16.793	16.793	0.000	1142492	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	10.653	10.653	0.000	66683	1000.0	1000.0	
2	11.127	11.127	0.000	88753	1000.0	1000.0	
2	12.753	12.753	0.000	321099	1000.0	1000.0	
2	12.857	12.857	0.000	322282	1000.0	1000.0	
2	13.387	13.387	0.000	265870	1000.0	1000.0	
2	13.607	13.607	0.000	80662	1000.0	1000.0	
2	14.293	14.293	0.000	116278	1000.0	1000.0	
2	14.957	14.957	0.000	733734	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

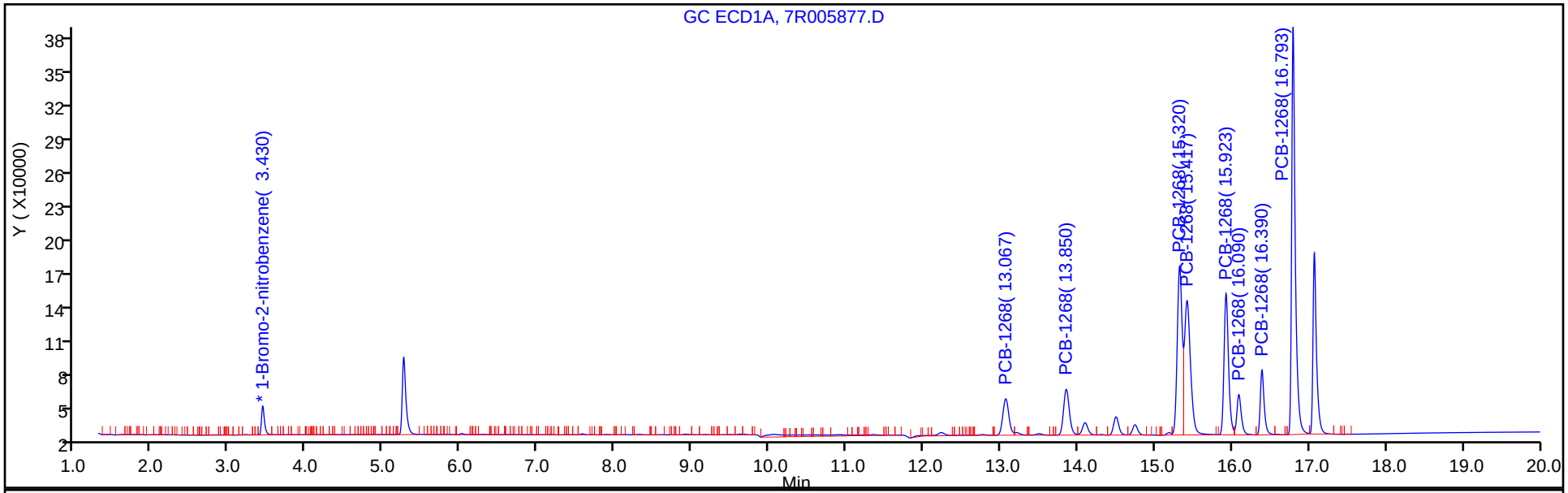
Reagents:

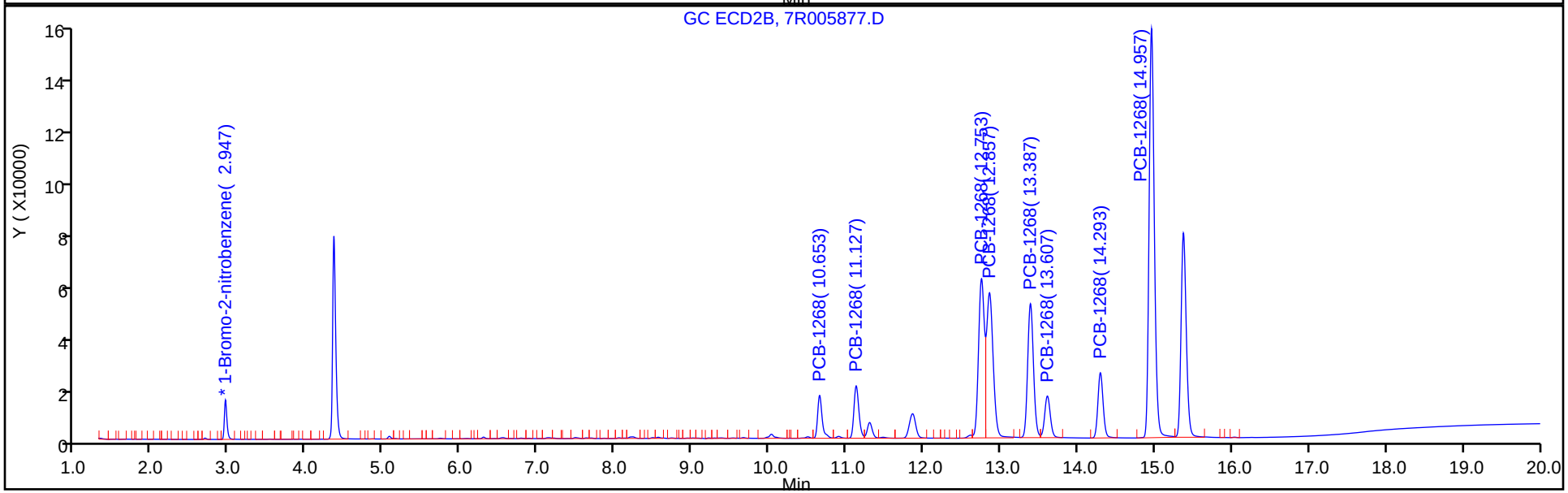
SG1268L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:57 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D				
Injection Date:	08-Jul-2019 15:24:59	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 15:24 Calibration End Date: 07/08/2019 15:24 Calibration ID: 75630

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/14	7R005877.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0382					Ave		0.0382						20.0			0.9900
PCB-1268 Peak 2	0.0509					Ave		0.0509						20.0			0.9900
PCB-1268 Peak 3	0.1842					Ave		0.1842						20.0			0.9900
PCB-1268 Peak 4	0.1848					Ave		0.1848						20.0			0.9900
PCB-1268 Peak 5	0.1525					Ave		0.1525						20.0			0.9900
PCB-1268 Peak 6	0.0463					Ave		0.0463						20.0			0.9900
PCB-1268 Peak 7	0.0667					Ave		0.0667						20.0			0.9900
PCB-1268 Peak 8	0.4208					Ave		0.4208						20.0			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1 Analy Batch No.: 622994

SDG No.:

Instrument ID: CPESTGC7 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2019 15:24 Calibration End Date: 07/08/2019 15:24 Calibration ID: 75630

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-622994/14	7R005877.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	66683					1000				
PCB-1268 Peak 2	BNB	Ave	88753					1000				
PCB-1268 Peak 3	BNB	Ave	321099					1000				
PCB-1268 Peak 4	BNB	Ave	322282					1000				
PCB-1268 Peak 5	BNB	Ave	265870					1000				
PCB-1268 Peak 6	BNB	Ave	80662					1000				
PCB-1268 Peak 7	BNB	Ave	116278					1000				
PCB-1268 Peak 8	BNB	Ave	733734					1000				

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2019 15:24:59 ALS Bottle#: 32 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0094063-014
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub8

Method: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 08-Jul-2019 15:52:56 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0328

First Level Reviewer: patelji Date: 08-Jul-2019 15:48:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.430	3.430	0.000	67707	20.0	20.0	
2	2.947	2.947	0.000	34872	20.0	20.0	
						RPD = 0.00	
10 PCB-1268							
1	13.067	13.067	0.000	173088	1000.0	1000.0	
1	13.850	13.850	0.000	208536	1000.0	1000.0	
1	15.320	15.320	0.000	649249	1000.0	1000.0	
1	15.417	15.417	0.000	629805	1000.0	1000.0	
1	15.923	15.923	0.000	495860	1000.0	1000.0	
1	16.090	16.090	0.000	142383	1000.0	1000.0	
1	16.390	16.390	0.000	194565	1000.0	1000.0	
1	16.793	16.793	0.000	1142492	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	10.653	10.653	0.000	66683	1000.0	1000.0	
2	11.127	11.127	0.000	88753	1000.0	1000.0	
2	12.753	12.753	0.000	321099	1000.0	1000.0	
2	12.857	12.857	0.000	322282	1000.0	1000.0	
2	13.387	13.387	0.000	265870	1000.0	1000.0	
2	13.607	13.607	0.000	80662	1000.0	1000.0	
2	14.293	14.293	0.000	116278	1000.0	1000.0	
2	14.957	14.957	0.000	733734	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

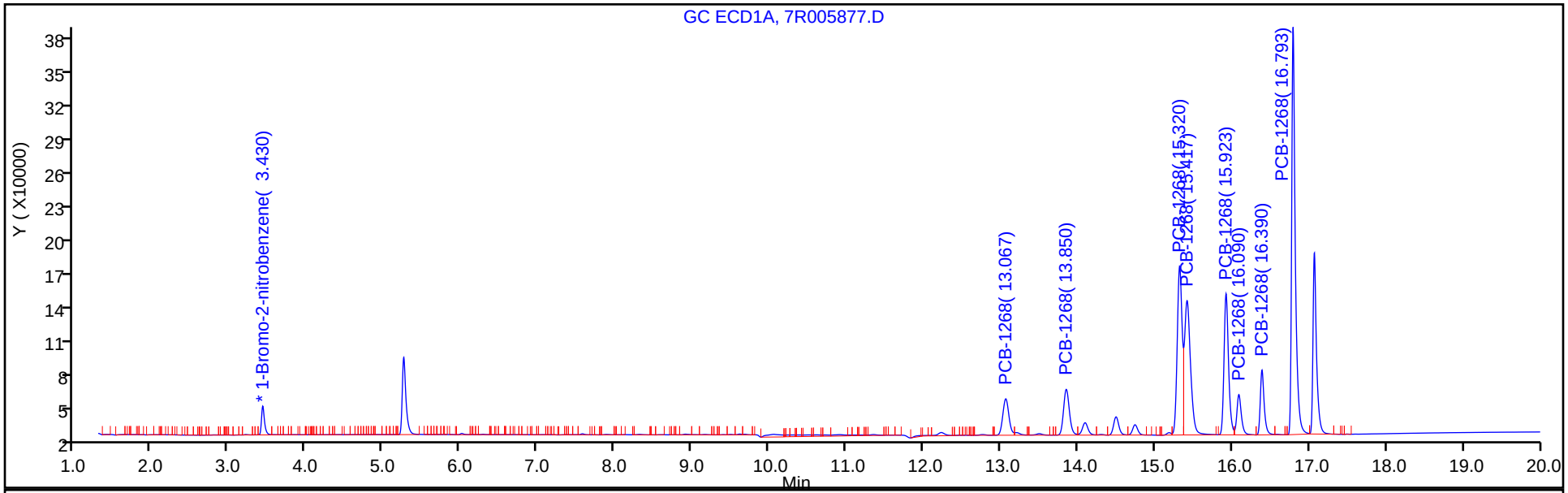
Reagents:

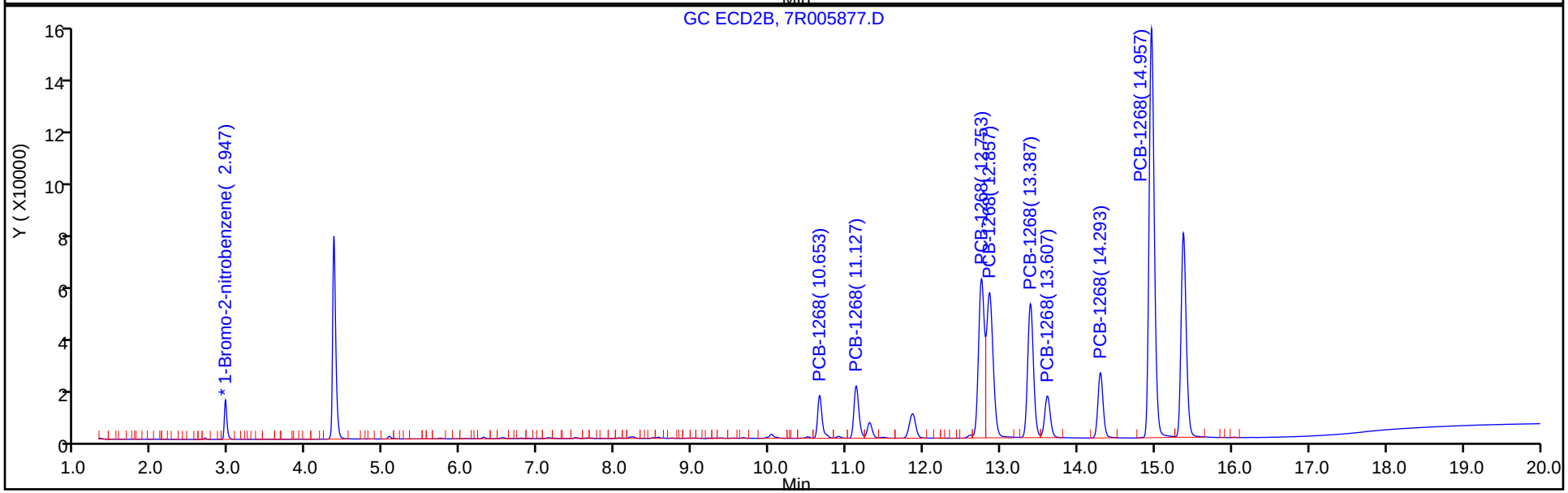
SG1268L4_00027	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 08-Jul-2019 15:52:57 Chrom Revision: 2.3 20-Jun-2019 20:50:56

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D				
Injection Date:	08-Jul-2019 15:24:59	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635460/2 Calibration Date: 08/28/2019 06:43

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2019 16:44

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2019 17:53

Lab File ID: T1563441.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0179	0.0178		993	1000	-0.7	20.0
PCB-1016 Peak 2	Ave	0.0363	0.0356		981	1000	-1.9	20.0
PCB-1016 Peak 3	Ave	0.0771	0.0759		984	1000	-1.6	20.0
PCB-1016 Peak 4	Ave	0.0321	0.0310		965	1000	-3.5	20.0
PCB-1016 Peak 5	Ave	0.0193	0.0185		957	1000	-4.3	20.0
PCB-1016 Peak 6	Ave	0.0251	0.0248		990	1000	-1.0	20.0
PCB-1016 Peak 7	Ave	0.0294	0.0302		1030	1000	2.6	20.0
PCB-1016 Peak 8	Ave	0.0242	0.0254		1050	1000	4.9	20.0
PCB-1260 Peak 1	Ave	0.0215	0.0220		1020	1000	2.0	20.0
PCB-1260 Peak 2	Ave	0.0524	0.0525		1000	1000	0.2	20.0
PCB-1260 Peak 3	Ave	0.0586	0.0580		991	1000	-0.9	20.0
PCB-1260 Peak 4	Ave	0.0378	0.0387		1020	1000	2.3	20.0
PCB-1260 Peak 5	Ave	0.0400	0.0413		1030	1000	3.2	20.0
PCB-1260 Peak 6	Ave	0.0948	0.0979		1030	1000	3.2	20.0
PCB-1260 Peak 7	Ave	0.0706	0.0740		1050	1000	4.7	20.0
PCB-1260 Peak 8	Ave	0.0258	0.0282		1090	1000	9.3	20.0
Tetrachloro-m-xylene	Ave	0.9582	1.024		107	100	6.8	20.0
DCB Decachlorobiphenyl	Ave	0.8500	0.9696		114	100	14.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635460/2 Calibration Date: 08/28/2019 06:43

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2019 16:44

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 06/17/2019 17:53

Lab File ID: T1563441.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.52	2.49	2.55
PCB-1016 Peak 3	2.99	2.96	3.02
PCB-1016 Peak 4	3.13	3.10	3.16
PCB-1016 Peak 5	3.24	3.21	3.27
PCB-1016 Peak 6	3.65	3.62	3.68
PCB-1016 Peak 7	3.78	3.75	3.81
PCB-1016 Peak 8	4.12	4.09	4.15
PCB-1260 Peak 1	4.91	4.88	4.94
PCB-1260 Peak 2	5.10	5.07	5.13
PCB-1260 Peak 3	5.35	5.32	5.38
PCB-1260 Peak 4	5.91	5.88	5.94
PCB-1260 Peak 5	6.32	6.29	6.35
PCB-1260 Peak 6	6.73	6.70	6.76
PCB-1260 Peak 7	7.33	7.30	7.36
PCB-1260 Peak 8	8.48	8.45	8.51
Tetrachloro-m-xylene	1.68	1.65	1.71
DCB Decachlorobiphenyl	9.66	9.63	9.69

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563441.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Aug-2019 06:43:26 ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 07:03:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.069	1.069	0.000	18670928	20.0	20.0	
2	1.067	1.067	0.000	17635752	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.678	1.678	0.000	95569242	100.0	106.8	
2	1.553	1.553	0.000	85630509	100.0	105.5	
						RPD = 1.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.126	2.126	0.000	16605030	1000.0	993.3	
1	2.523	2.523	0.000	33222431	1000.0	981.1	
1	2.990	2.990	0.000	70834692	1000.0	983.9	
1	3.131	3.131	0.000	28895866	1000.0	964.8	
1	3.240	3.240	0.000	17275784	1000.0	957.5	M
1	3.647	3.647	0.000	23193369	1000.0	989.5	
1	3.780	3.780	0.000	28183995	1000.0	1025.6	
1	4.121	4.121	0.000	23663401	1000.0	1048.9	
		Average of Peak Amounts =				993.1	
2	1.854	1.854	0.000	15147716	1000.0	940.4	
2	2.163	2.163	0.000	30079283	1000.0	1037.8	M
2	2.346	2.346	0.000	20383600	1000.0	995.9	M
2	2.595	2.595	0.000	56027823	1000.0	935.2	M
2	2.723	2.723	0.000	26123800	1000.0	977.3	M
2	2.785	2.785	0.000	17073893	1000.0	967.4	M
2	3.142	3.142	0.000	27136489	1000.0	987.6	
2	3.550	3.550	0.000	17748545	1000.0	1019.8	
		Average of Peak Amounts =				982.7	
						RPD = 1.05	
8 PCB-1260							
1	4.914	4.914	0.000	20500964	1000.0	1020.0	
1	5.096	5.096	0.000	49010353	1000.0	1001.7	
1	5.351	5.351	0.000	54185642	1000.0	990.8	
1	5.910	5.910	0.000	36111930	1000.0	1022.9	
1	6.317	6.317	0.000	38513012	1000.0	1031.6	
1	6.725	6.725	0.000	91388625	1000.0	1032.3	
1	7.329	7.329	0.000	69051358	1000.0	1047.4	
1	8.476	8.476	0.000	26315843	1000.0	1093.1	
		Average of Peak Amounts =				1030.0	
2	4.472	4.472	0.000	40694783	1000.0	989.5	
2	5.091	5.091	0.000	78791014	1000.0	1022.1	
2	5.235	5.235	0.000	32987142	1000.0	984.3	
2	5.518	5.518	0.000	37148372	1000.0	1061.7	
2	5.900	5.900	0.000	95238520	1000.0	1166.0	
2	6.280	6.280	0.000	46848934	1000.0	1017.5	
2	6.416	6.416	0.000	26900318	1000.0	1079.7	
2	7.273	7.273	0.000	22828696	1000.0	1064.4	
		Average of Peak Amounts =				1048.2	
						RPD = 1.75	
$ 11 DCB Decachlorobiphenyl							
1	9.659	9.659	0.000	90518663	100.0	114.1	
2	8.185	8.185	0.000	95470418	100.0	107.4	
						RPD = 6.05	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L3_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00014	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 11:06:39 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563441.D

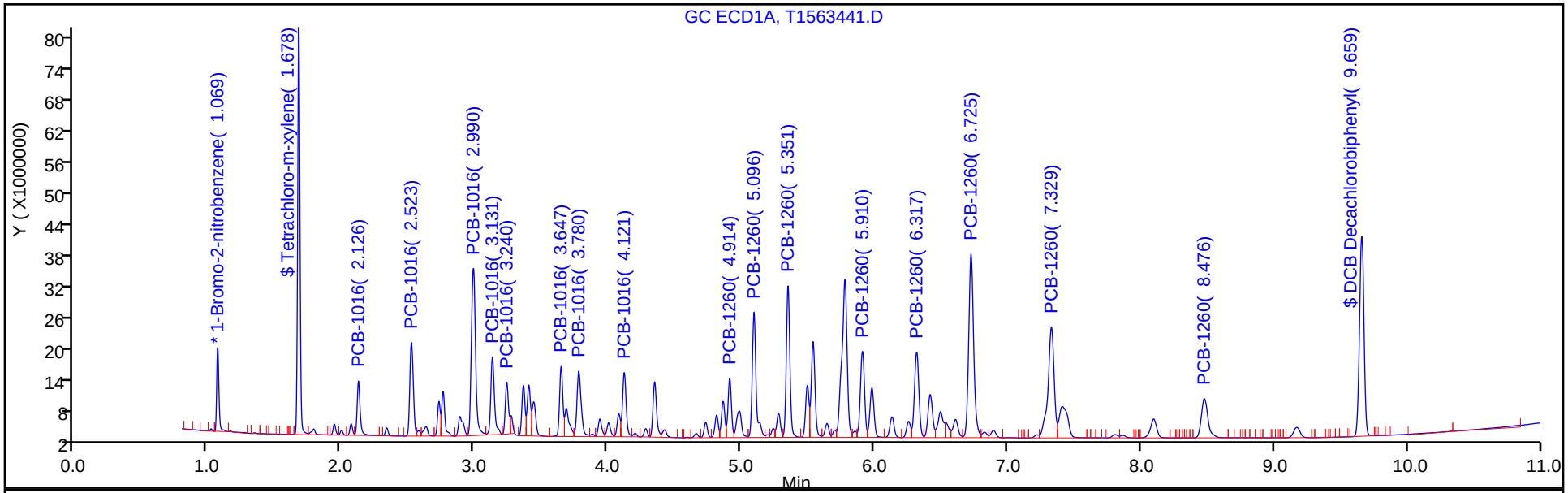
Injection Date: 28-Aug-2019 06:43:26 Instrument ID: CPESTGC11 Operator ID:

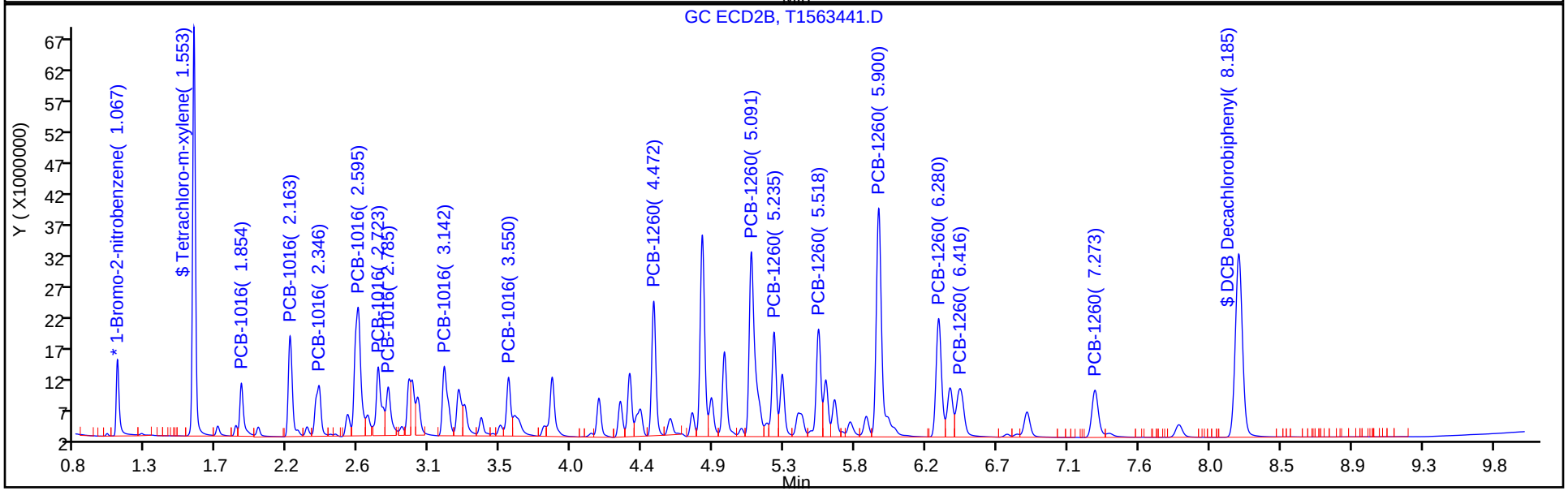
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635460/2 Calibration Date: 08/28/2019 06:43

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2019 16:44

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/17/2019 17:53

Lab File ID: T1563441.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0183	0.0172		940	1000	-6.0	20.0
PCB-1016 Peak 2	Ave	0.0329	0.0341		1040	1000	3.8	20.0
PCB-1016 Peak 3	Ave	0.0232	0.0231		996	1000	-0.4	20.0
PCB-1016 Peak 4	Ave	0.0679	0.0635		935	1000	-6.5	20.0
PCB-1016 Peak 5	Ave	0.0303	0.0296		977	1000	-2.3	20.0
PCB-1016 Peak 6	Ave	0.0200	0.0194		967	1000	-3.3	20.0
PCB-1016 Peak 7	Ave	0.0312	0.0308		988	1000	-1.2	20.0
PCB-1016 Peak 8	Ave	0.0197	0.0201		1020	1000	2.0	20.0
PCB-1260 Peak 1	Ave	0.0466	0.0462		990	1000	-1.0	20.0
PCB-1260 Peak 2	Ave	0.0874	0.0894		1020	1000	2.2	20.0
PCB-1260 Peak 3	Ave	0.0380	0.0374		984	1000	-1.6	20.0
PCB-1260 Peak 4	Ave	0.0397	0.0421		1060	1000	6.2	20.0
PCB-1260 Peak 5	Ave	0.0926	0.1080		1170	1000	16.6	20.0
PCB-1260 Peak 6	Ave	0.0522	0.0531		1020	1000	1.8	20.0
PCB-1260 Peak 7	Ave	0.0283	0.0305		1080	1000	8.0	20.0
PCB-1260 Peak 8	Ave	0.0243	0.0259		1060	1000	6.4	20.0
Tetrachloro-m-xylene	Ave	0.9204	0.9711		106	100	5.5	20.0
DCB Decachlorobiphenyl	Ave	1.008	1.083		107	100	7.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635460/2 Calibration Date: 08/28/2019 06:43

Instrument ID: CPESTGC11 Calib Start Date: 06/17/2019 16:44

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 06/17/2019 17:53

Lab File ID: T1563441.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.85	1.82	1.88
PCB-1016 Peak 2	2.16	2.13	2.19
PCB-1016 Peak 3	2.35	2.32	2.38
PCB-1016 Peak 4	2.60	2.57	2.63
PCB-1016 Peak 5	2.72	2.69	2.75
PCB-1016 Peak 6	2.79	2.76	2.82
PCB-1016 Peak 7	3.14	3.11	3.17
PCB-1016 Peak 8	3.55	3.52	3.58
PCB-1260 Peak 1	4.47	4.44	4.50
PCB-1260 Peak 2	5.09	5.06	5.12
PCB-1260 Peak 3	5.24	5.21	5.27
PCB-1260 Peak 4	5.52	5.49	5.55
PCB-1260 Peak 5	5.90	5.87	5.93
PCB-1260 Peak 6	6.28	6.25	6.31
PCB-1260 Peak 7	6.42	6.39	6.45
PCB-1260 Peak 8	7.27	7.24	7.30
Tetrachloro-m-xylene	1.55	1.52	1.58
DCB Decachlorobiphenyl	8.19	8.09	8.29

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563441.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Aug-2019 06:43:26 ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 07:03:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.069	1.069	0.000	18670928	20.0	20.0	
2	1.067	1.067	0.000	17635752	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.678	1.678	0.000	95569242	100.0	106.8	
2	1.553	1.553	0.000	85630509	100.0	105.5	
						RPD = 1.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.126	2.126	0.000	16605030	1000.0	993.3	
1	2.523	2.523	0.000	33222431	1000.0	981.1	
1	2.990	2.990	0.000	70834692	1000.0	983.9	
1	3.131	3.131	0.000	28895866	1000.0	964.8	
1	3.240	3.240	0.000	17275784	1000.0	957.5	M
1	3.647	3.647	0.000	23193369	1000.0	989.5	
1	3.780	3.780	0.000	28183995	1000.0	1025.6	
1	4.121	4.121	0.000	23663401	1000.0	1048.9	
		Average of Peak Amounts =				993.1	
2	1.854	1.854	0.000	15147716	1000.0	940.4	
2	2.163	2.163	0.000	30079283	1000.0	1037.8	M
2	2.346	2.346	0.000	20383600	1000.0	995.9	M
2	2.595	2.595	0.000	56027823	1000.0	935.2	M
2	2.723	2.723	0.000	26123800	1000.0	977.3	M
2	2.785	2.785	0.000	17073893	1000.0	967.4	M
2	3.142	3.142	0.000	27136489	1000.0	987.6	
2	3.550	3.550	0.000	17748545	1000.0	1019.8	
		Average of Peak Amounts =				982.7	
						RPD = 1.05	
8 PCB-1260							
1	4.914	4.914	0.000	20500964	1000.0	1020.0	
1	5.096	5.096	0.000	49010353	1000.0	1001.7	
1	5.351	5.351	0.000	54185642	1000.0	990.8	
1	5.910	5.910	0.000	36111930	1000.0	1022.9	
1	6.317	6.317	0.000	38513012	1000.0	1031.6	
1	6.725	6.725	0.000	91388625	1000.0	1032.3	
1	7.329	7.329	0.000	69051358	1000.0	1047.4	
1	8.476	8.476	0.000	26315843	1000.0	1093.1	
		Average of Peak Amounts =				1030.0	
2	4.472	4.472	0.000	40694783	1000.0	989.5	
2	5.091	5.091	0.000	78791014	1000.0	1022.1	
2	5.235	5.235	0.000	32987142	1000.0	984.3	
2	5.518	5.518	0.000	37148372	1000.0	1061.7	
2	5.900	5.900	0.000	95238520	1000.0	1166.0	
2	6.280	6.280	0.000	46848934	1000.0	1017.5	
2	6.416	6.416	0.000	26900318	1000.0	1079.7	
2	7.273	7.273	0.000	22828696	1000.0	1064.4	
		Average of Peak Amounts =				1048.2	
						RPD = 1.75	
$ 11 DCB Decachlorobiphenyl							
1	9.659	9.659	0.000	90518663	100.0	114.1	
2	8.185	8.185	0.000	95470418	100.0	107.4	
						RPD = 6.05	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L3_00035	Amount Added: 1.00	Units: mL	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 11:06:43 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563441.D

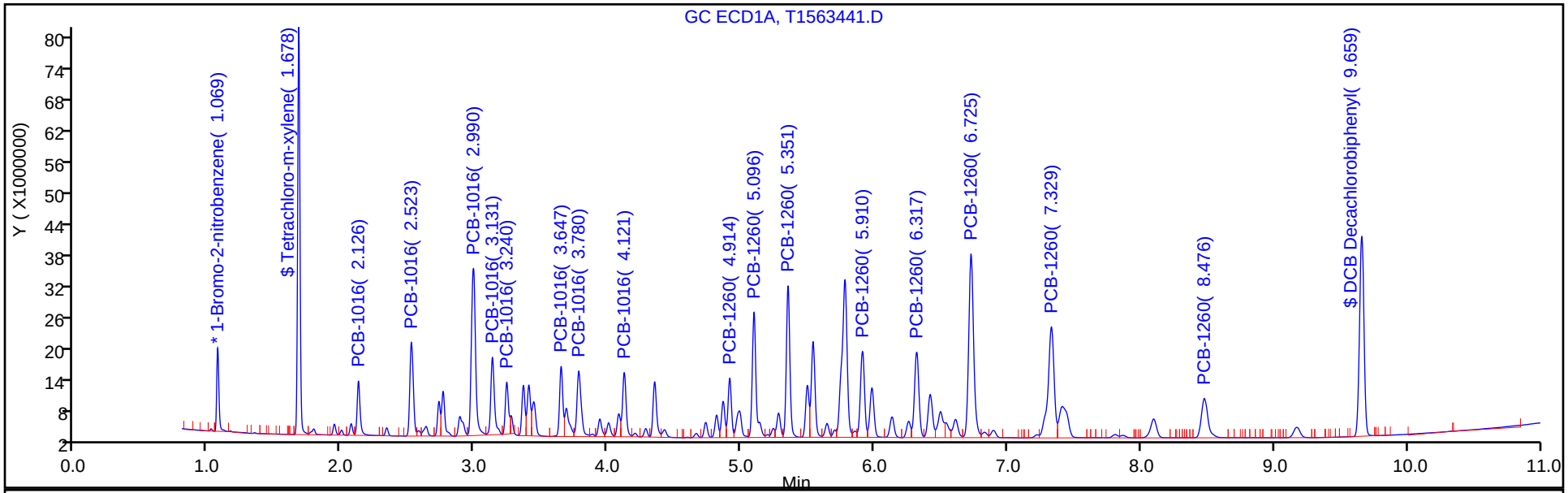
Injection Date: 28-Aug-2019 06:43:26 Instrument ID: CPESTGC11 Operator ID:

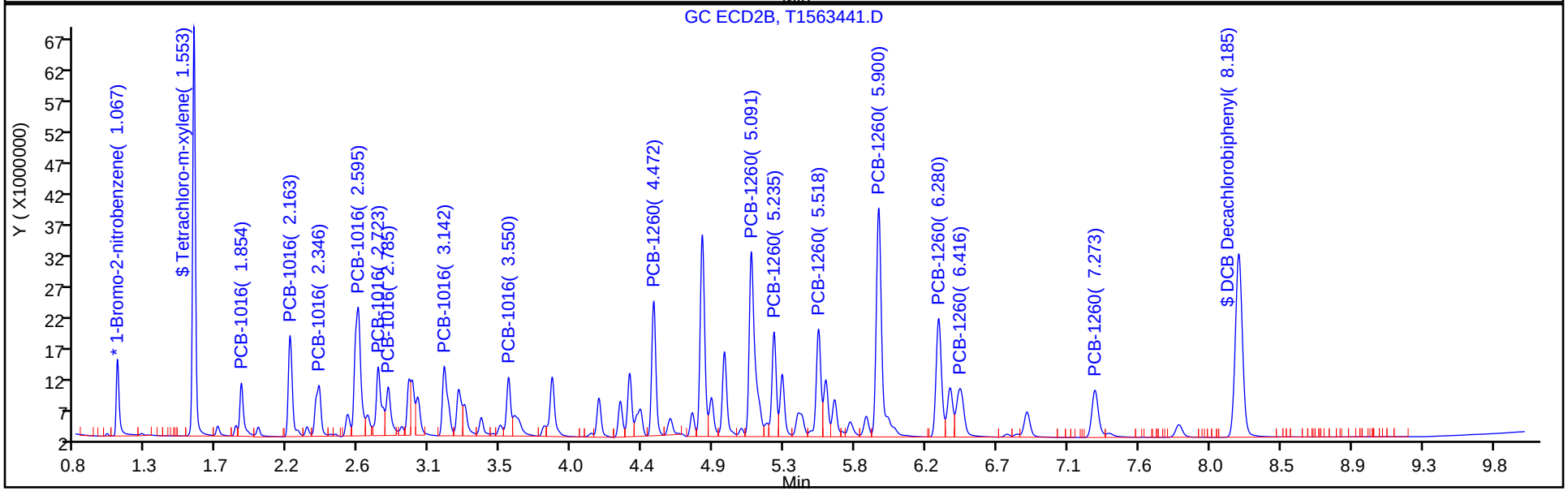
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635463/2 Calibration Date: 08/28/2019 06:48

Instrument ID: CPESTGC7 Calib Start Date: 07/08/2019 10:39

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 07/08/2019 12:14

Lab File ID: 7R007574.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0117	0.0112		959	1000	-4.1	20.0
PCB-1016 Peak 2	Ave	0.0189	0.0163		859	1000	-14.1	20.0
PCB-1016 Peak 3	Ave	0.0474	0.0430		908	1000	-9.2	20.0
PCB-1016 Peak 4	Ave	0.0222	0.0200		901	1000	-9.9	20.0
PCB-1016 Peak 5	Ave	0.0192	0.0178		925	1000	-7.5	20.0
PCB-1016 Peak 6	Ave	0.0221	0.0212		961	1000	-3.9	20.0
PCB-1016 Peak 7	Ave	0.0216	0.0218		1010	1000	1.0	20.0
PCB-1016 Peak 8	Ave	0.0321	0.0376		1170	1000	17.2	20.0
PCB-1260 Peak 1	Ave	0.0457	0.0490		1070	1000	7.3	20.0
PCB-1260 Peak 2	Ave	0.0802	0.0892		1110	1000	11.2	20.0
PCB-1260 Peak 3	Ave	0.1043	0.1005		964	1000	-3.6	20.0
PCB-1260 Peak 4	Ave	0.0729	0.0762		1040	1000	4.4	20.0
PCB-1260 Peak 5	Ave	0.0639	0.0665		1040	1000	4.1	20.0
PCB-1260 Peak 6	Ave	0.1401	0.1444		1030	1000	3.1	20.0
PCB-1260 Peak 7	Ave	0.0918	0.0953		1040	1000	3.8	20.0
PCB-1260 Peak 8	Ave	0.0262	0.0271		1030	1000	3.2	20.0
Tetrachloro-m-xylene	Ave	0.6060	0.5956		98.3	100	-1.7	20.0
DCB Decachlorobiphenyl	Ave	0.8254	0.8600		104	100	4.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635463/2 Calibration Date: 08/28/2019 06:48

Instrument ID: CPESTGC7 Calib Start Date: 07/08/2019 10:39

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 07/08/2019 12:14

Lab File ID: 7R007574.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	6.24	6.17	6.31
PCB-1016 Peak 2	7.02	6.95	7.09
PCB-1016 Peak 3	7.84	7.77	7.91
PCB-1016 Peak 4	8.08	8.01	8.15
PCB-1016 Peak 5	8.26	8.19	8.33
PCB-1016 Peak 6	9.12	9.05	9.19
PCB-1016 Peak 7	9.63	9.56	9.70
PCB-1016 Peak 8	9.97	9.90	10.04
PCB-1260 Peak 1	10.87	10.80	10.94
PCB-1260 Peak 2	11.21	11.14	11.28
PCB-1260 Peak 3	11.72	11.65	11.79
PCB-1260 Peak 4	12.98	12.91	13.05
PCB-1260 Peak 5	13.77	13.70	13.84
PCB-1260 Peak 6	14.43	14.36	14.50
PCB-1260 Peak 7	15.26	15.19	15.33
PCB-1260 Peak 8	16.35	16.28	16.42
Tetrachloro-m-xylene	5.22	5.17	5.27
DCB Decachlorobiphenyl	17.04	16.94	17.14

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007574.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Aug-2019 06:48:04 ALS Bottle#: 52 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:23:39 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 07:10:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.400	3.400	0.000	66033	20.0	20.0	M
2	2.920	2.920	0.000	36999	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	5.220	5.220	0.000	196659	100.0	98.3	M
2	4.313	4.313	0.000	217019	100.0	106.1	
						RPD = 7.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.240	6.240	0.000	37127	1000.0	958.9	M
1	7.020	7.020	0.000	53636	1000.0	859.3	M
1	7.840	7.840	0.000	141993	1000.0	907.8	M
1	8.080	8.080	0.000	66081	1000.0	901.3	M
1	8.257	8.257	0.000	58709	1000.0	924.7	M
1	9.117	9.117	0.000	70036	1000.0	961.2	M
1	9.627	9.627	0.000	71981	1000.0	1010.4	M
1	9.967	9.967	0.000	124072	1000.0	1171.8	M
		Average of Peak Amounts =				961.9	
2	5.037	5.037	0.000	51158	1000.0	972.9	
2	5.687	5.687	0.000	97842	1000.0	953.6	
2	6.033	6.033	0.000	63306	1000.0	977.8	
2	6.500	6.500	0.000	177329	1000.0	968.6	
2	6.730	6.730	0.000	79598	1000.0	964.7	
2	6.830	6.830	0.000	50070	1000.0	1002.9	
2	7.433	7.433	0.000	84258	1000.0	972.7	
2	8.073	8.073	0.000	52198	1000.0	969.9	
		Average of Peak Amounts =				972.9	
						RPD = 1.13	
8 PCB-1260							
1	10.867	10.867	0.000	161791	1000.0	1073.3	
1	11.207	11.207	0.000	294600	1000.0	1112.2	
1	11.720	11.720	0.000	331773	1000.0	963.7	
1	12.980	12.980	0.000	251409	1000.0	1044.0	
1	13.767	13.767	0.000	219684	1000.0	1041.0	
1	14.430	14.430	0.000	476680	1000.0	1030.5	
1	15.260	15.260	0.000	314623	1000.0	1037.6	
1	16.350	16.350	0.000	89310	1000.0	1032.0	
		Average of Peak Amounts =				1041.8	
2	9.457	9.457	0.000	123945	1000.0	959.7	
2	10.367	10.367	0.000	214672	1000.0	970.9	
2	10.587	10.587	0.000	94235	1000.0	970.9	
2	11.060	11.060	0.000	100538	1000.0	940.1	
2	11.777	11.777	0.000	230471	1000.0	984.1	
2	12.510	12.510	0.000	124161	1000.0	975.6	
2	12.773	12.773	0.000	65384	1000.0	1030.5	
2	14.210	14.210	0.000	54654	1000.0	996.0	
		Average of Peak Amounts =				978.5	
						RPD = 6.27	
$ 11 DCB Decachlorobiphenyl							
1	17.040	17.040	0.000	283948	100.0	104.2	
2	15.293	15.293	0.000	229986	100.0	103.9	
						RPD = 0.25	

QC Flag Legend

Review Flags

M - Manually Integrated

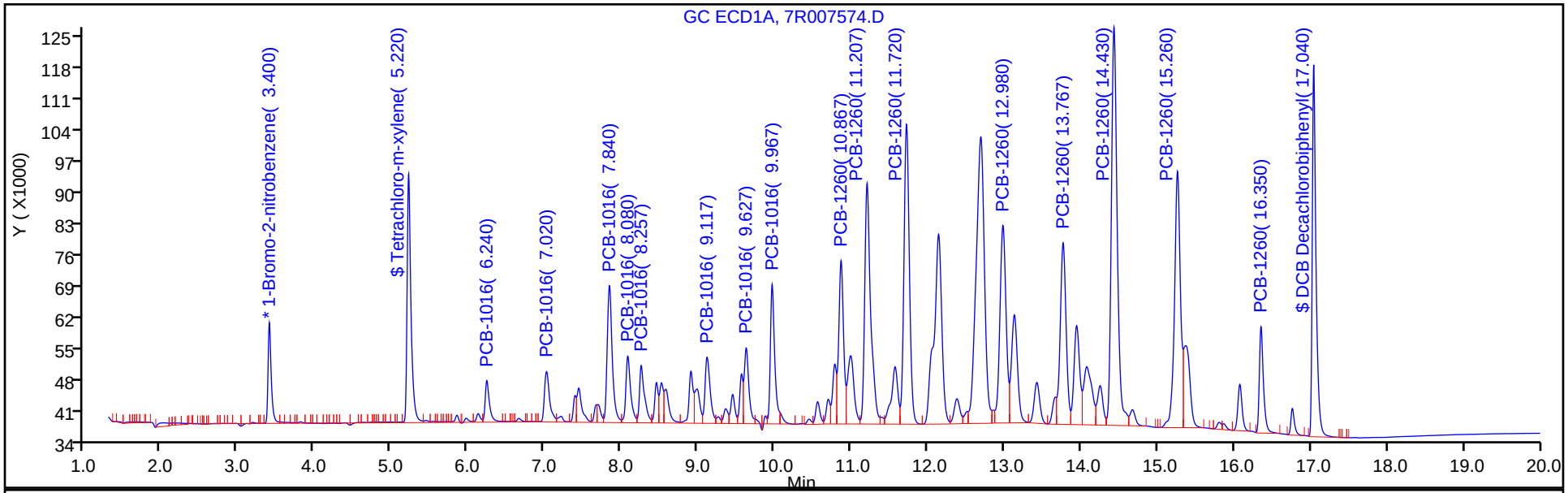
Reagents:

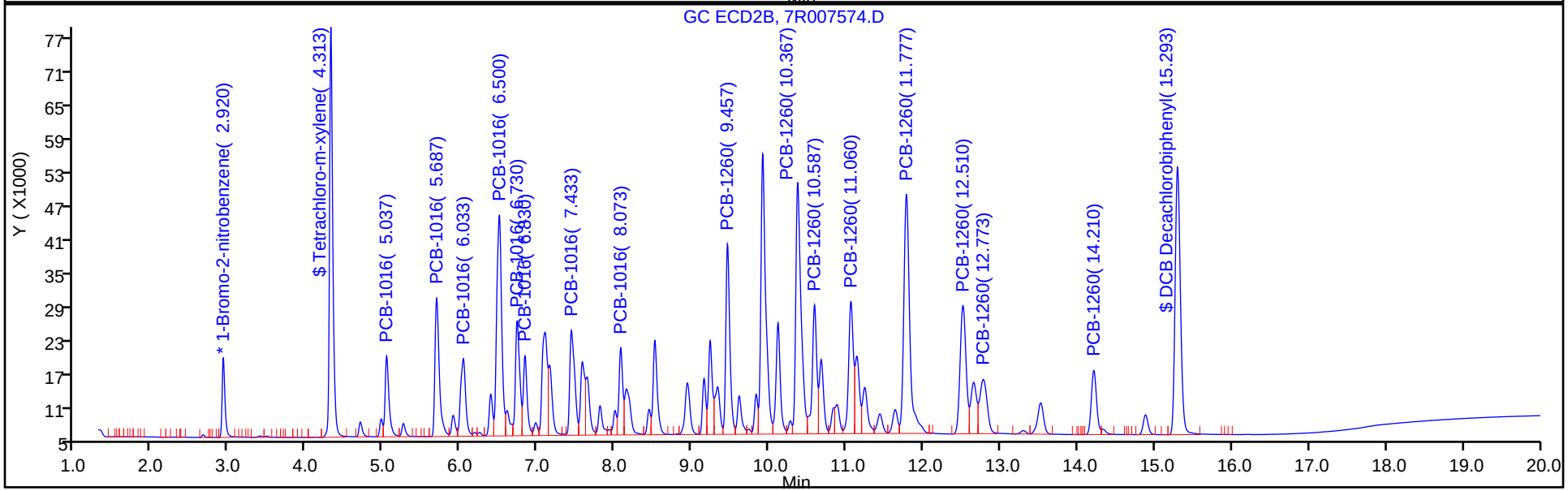
SG1660L3_00035	Amount Added: 1.00	Units: ml	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 12:23:40 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007574.D				
Injection Date:	28-Aug-2019 06:48:04	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	52
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635463/2 Calibration Date: 08/28/2019 06:48

Instrument ID: CPESTGC7 Calib Start Date: 07/08/2019 10:39

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 07/08/2019 12:14

Lab File ID: 7R007574.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0284	0.0277		973	1000	-2.7	20.0
PCB-1016 Peak 2	Ave	0.0555	0.0529		954	1000	-4.6	20.0
PCB-1016 Peak 3	Ave	0.0350	0.0342		978	1000	-2.2	20.0
PCB-1016 Peak 4	Ave	0.0990	0.0959		969	1000	-3.1	20.0
PCB-1016 Peak 5	Ave	0.0446	0.0430		965	1000	-3.5	20.0
PCB-1016 Peak 6	Ave	0.0270	0.0271		1000	1000	0.3	20.0
PCB-1016 Peak 7	Ave	0.0468	0.0456		973	1000	-2.7	20.0
PCB-1016 Peak 8	Ave	0.0291	0.0282		970	1000	-3.0	20.0
PCB-1260 Peak 1	Ave	0.0698	0.0670		960	1000	-4.0	20.0
PCB-1260 Peak 2	Ave	0.1195	0.1160		971	1000	-2.9	20.0
PCB-1260 Peak 3	Ave	0.0525	0.0509		971	1000	-2.9	20.0
PCB-1260 Peak 4	Ave	0.0578	0.0544		940	1000	-6.0	20.0
PCB-1260 Peak 5	Ave	0.1266	0.1246		984	1000	-1.6	20.0
PCB-1260 Peak 6	Ave	0.0688	0.0671		976	1000	-2.4	20.0
PCB-1260 Peak 7	Ave	0.0343	0.0353		1030	1000	3.0	20.0
PCB-1260 Peak 8	Ave	0.0297	0.0295		996	1000	-0.4	20.0
Tetrachloro-m-xylene	Ave	1.105	1.173		106	100	6.1	20.0
DCB Decachlorobiphenyl	Ave	1.196	1.243		104	100	3.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Lab Sample ID: CCVIS 460-635463/2 Calibration Date: 08/28/2019 06:48

Instrument ID: CPESTGC7 Calib Start Date: 07/08/2019 10:39

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 07/08/2019 12:14

Lab File ID: 7R007574.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.04	4.97	5.11
PCB-1016 Peak 2	5.69	5.62	5.76
PCB-1016 Peak 3	6.03	5.96	6.10
PCB-1016 Peak 4	6.50	6.43	6.57
PCB-1016 Peak 5	6.73	6.66	6.80
PCB-1016 Peak 6	6.83	6.76	6.90
PCB-1016 Peak 7	7.43	7.36	7.50
PCB-1016 Peak 8	8.07	8.00	8.14
PCB-1260 Peak 1	9.46	9.39	9.53
PCB-1260 Peak 2	10.37	10.30	10.44
PCB-1260 Peak 3	10.59	10.52	10.66
PCB-1260 Peak 4	11.06	10.99	11.13
PCB-1260 Peak 5	11.78	11.71	11.85
PCB-1260 Peak 6	12.51	12.44	12.58
PCB-1260 Peak 7	12.77	12.70	12.84
PCB-1260 Peak 8	14.21	14.14	14.28
Tetrachloro-m-xylene	4.31	4.26	4.36
DCB Decachlorobiphenyl	15.29	15.19	15.39

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007574.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Aug-2019 06:48:04 ALS Bottle#: 52 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7
Sublist: chrom-8082.ISTD*sub1

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:23:39 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 07:10:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	3.400	3.400	0.000	66033	20.0	20.0	M
2	2.920	2.920	0.000	36999	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	5.220	5.220	0.000	196659	100.0	98.3	M
2	4.313	4.313	0.000	217019	100.0	106.1	
						RPD = 7.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	6.240	6.240	0.000	37127	1000.0	958.9	M
1	7.020	7.020	0.000	53636	1000.0	859.3	M
1	7.840	7.840	0.000	141993	1000.0	907.8	M
1	8.080	8.080	0.000	66081	1000.0	901.3	M
1	8.257	8.257	0.000	58709	1000.0	924.7	M
1	9.117	9.117	0.000	70036	1000.0	961.2	M
1	9.627	9.627	0.000	71981	1000.0	1010.4	M
1	9.967	9.967	0.000	124072	1000.0	1171.8	M
		Average of Peak Amounts =				961.9	
2	5.037	5.037	0.000	51158	1000.0	972.9	
2	5.687	5.687	0.000	97842	1000.0	953.6	
2	6.033	6.033	0.000	63306	1000.0	977.8	
2	6.500	6.500	0.000	177329	1000.0	968.6	
2	6.730	6.730	0.000	79598	1000.0	964.7	
2	6.830	6.830	0.000	50070	1000.0	1002.9	
2	7.433	7.433	0.000	84258	1000.0	972.7	
2	8.073	8.073	0.000	52198	1000.0	969.9	
		Average of Peak Amounts =				972.9	
						RPD = 1.13	
8 PCB-1260							
1	10.867	10.867	0.000	161791	1000.0	1073.3	
1	11.207	11.207	0.000	294600	1000.0	1112.2	
1	11.720	11.720	0.000	331773	1000.0	963.7	
1	12.980	12.980	0.000	251409	1000.0	1044.0	
1	13.767	13.767	0.000	219684	1000.0	1041.0	
1	14.430	14.430	0.000	476680	1000.0	1030.5	
1	15.260	15.260	0.000	314623	1000.0	1037.6	
1	16.350	16.350	0.000	89310	1000.0	1032.0	
		Average of Peak Amounts =				1041.8	
2	9.457	9.457	0.000	123945	1000.0	959.7	
2	10.367	10.367	0.000	214672	1000.0	970.9	
2	10.587	10.587	0.000	94235	1000.0	970.9	
2	11.060	11.060	0.000	100538	1000.0	940.1	
2	11.777	11.777	0.000	230471	1000.0	984.1	
2	12.510	12.510	0.000	124161	1000.0	975.6	
2	12.773	12.773	0.000	65384	1000.0	1030.5	
2	14.210	14.210	0.000	54654	1000.0	996.0	
		Average of Peak Amounts =				978.5	
						RPD = 6.27	
$ 11 DCB Decachlorobiphenyl							
1	17.040	17.040	0.000	283948	100.0	104.2	
2	15.293	15.293	0.000	229986	100.0	103.9	
						RPD = 0.25	

QC Flag Legend

Review Flags

M - Manually Integrated

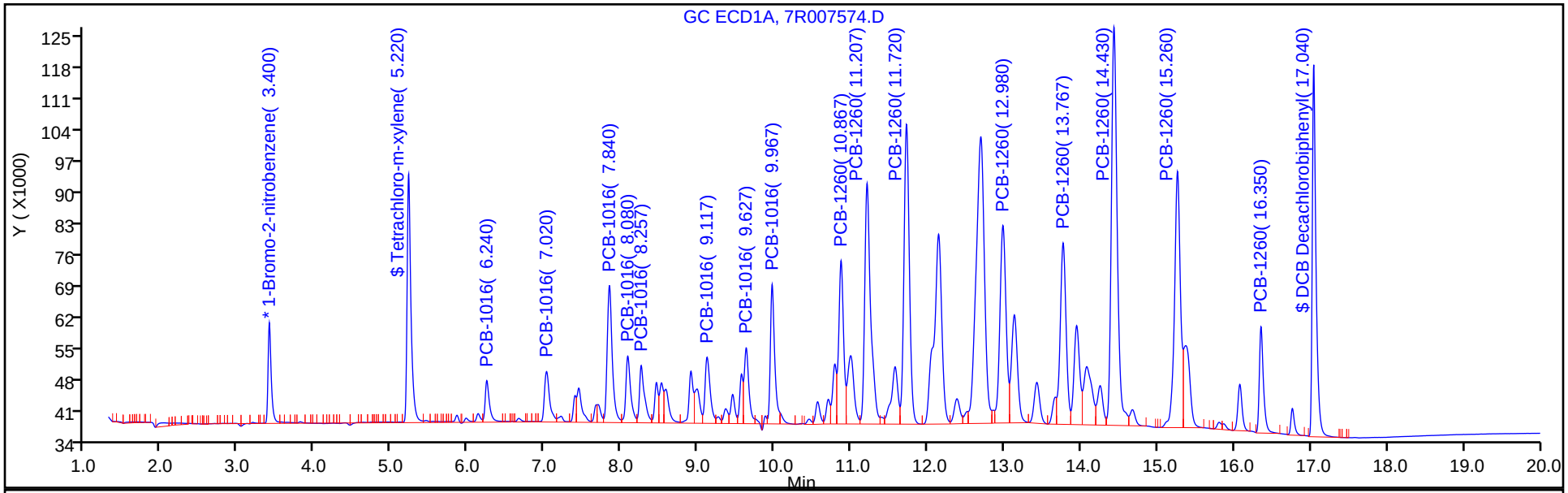
Reagents:

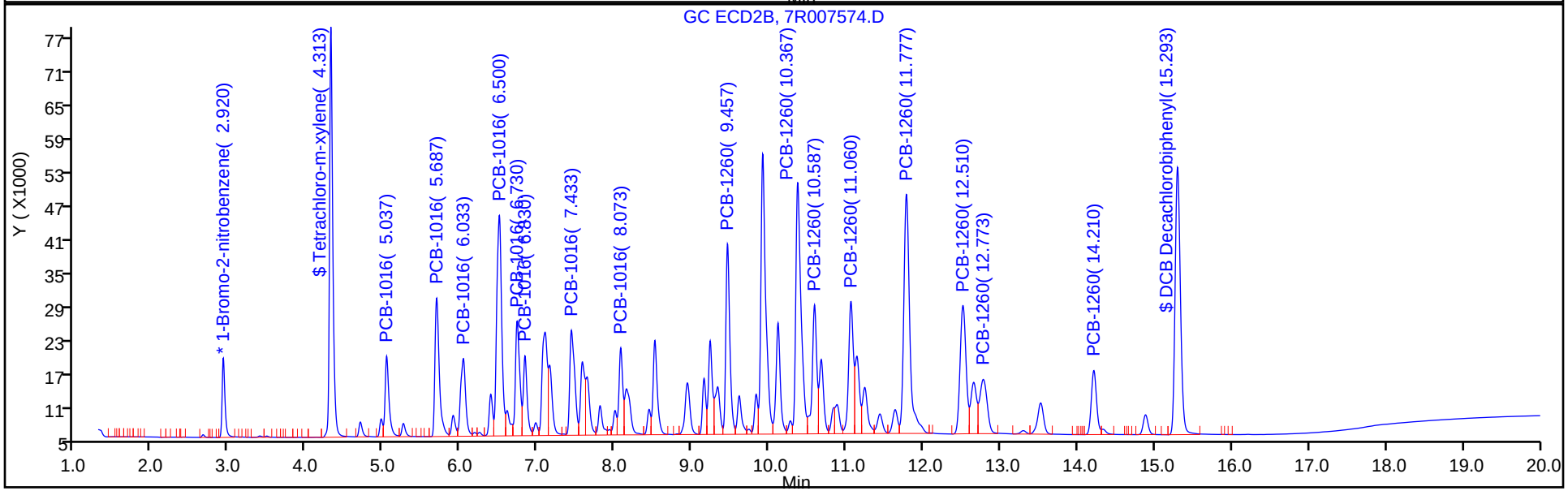
SG1660L3_00035	Amount Added: 1.00	Units: ml	
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 12:23:40 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007574.D				
Injection Date:	28-Aug-2019 06:48:04	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	52
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-635331/1-A
Matrix: Water
Lab File ID: 7R007578.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/27/2019 17:11
Sample wt/vol: 250(mL)
Date Analyzed: 08/28/2019 08:21
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635463
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007578.D
Lims ID: MB 460-635331/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Aug-2019 08:21:48 ALS Bottle#: 56 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:21:57 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 09:06:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.400	3.400	0.000	55386	20.0	20.0	
2	2.920	2.920	0.000	27993	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.220	5.220	0.000	141008	100.0	84.0	
2	4.317	4.313	0.004	149947	100.0	96.9	
						RPD = 14.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	17.040	17.040	0.000	220072	100.0	96.3	
2	15.297	15.293	0.004	180718	100.0	107.9	
						RPD = 11.42	

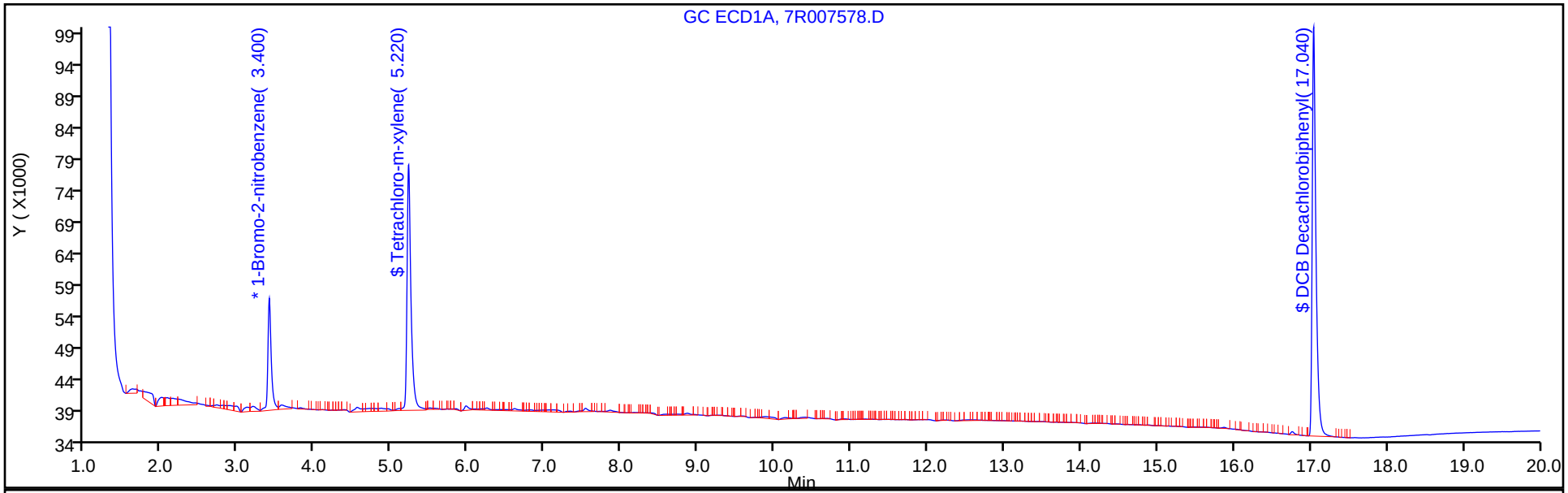
Reagents:

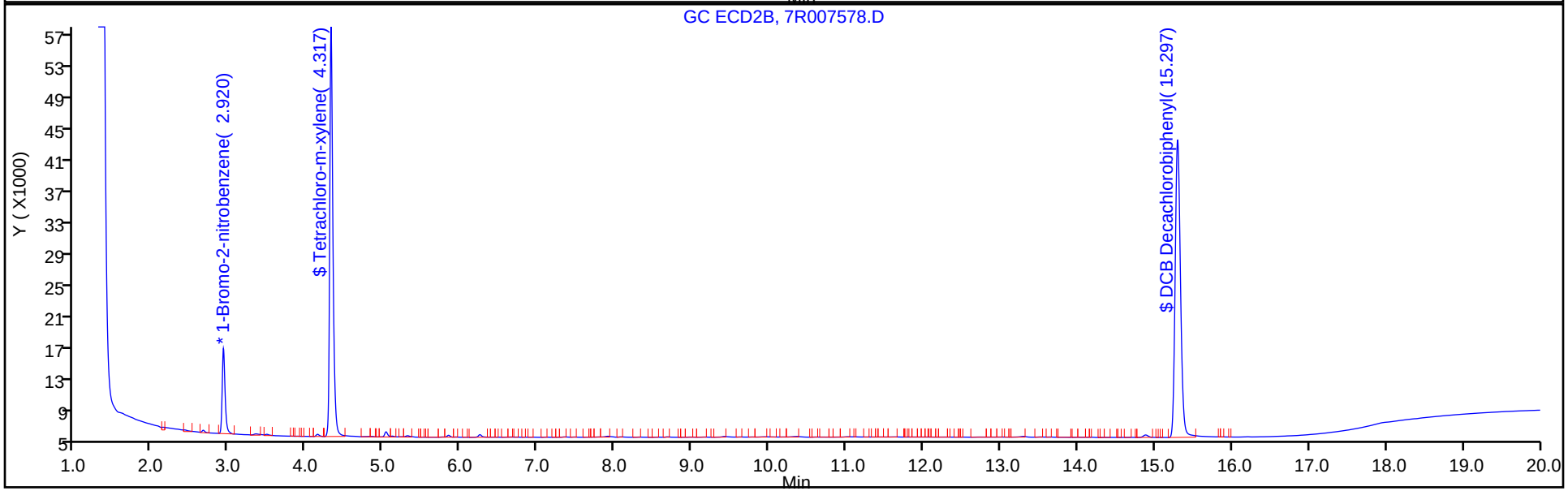
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:22:05 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007578.D				
Injection Date:	28-Aug-2019 08:21:48	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	MB 460-635331/1-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	56
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-635331/1-A
Matrix: Water
Lab File ID: 7R007578.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/27/2019 17:11
Sample wt/vol: 250(mL)
Date Analyzed: 08/28/2019 08:21
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635463
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.12	U	0.40	0.12
11104-28-2	Aroclor 1221	0.12	U	0.40	0.12
11141-16-5	Aroclor 1232	0.12	U	0.40	0.12
53469-21-9	Aroclor 1242	0.12	U	0.40	0.12
12672-29-6	Aroclor 1248	0.12	U	0.40	0.12
11097-69-1	Aroclor 1254	0.11	U	0.40	0.11
11096-82-5	Aroclor 1260	0.11	U	0.40	0.11
37324-23-5	Aroclor-1262	0.11	U	0.40	0.11
11100-14-4	Aroclor 1268	0.11	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.12	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007578.D
Lims ID: MB 460-635331/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Aug-2019 08:21:48 ALS Bottle#: 56 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:21:57 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 09:06:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.400	3.400	0.000	55386	20.0	20.0	
2	2.920	2.920	0.000	27993	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.220	5.220	0.000	141008	100.0	84.0	
2	4.317	4.313	0.004	149947	100.0	96.9	
						RPD = 14.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	17.040	17.040	0.000	220072	100.0	96.3	
2	15.297	15.293	0.004	180718	100.0	107.9	
						RPD = 11.42	

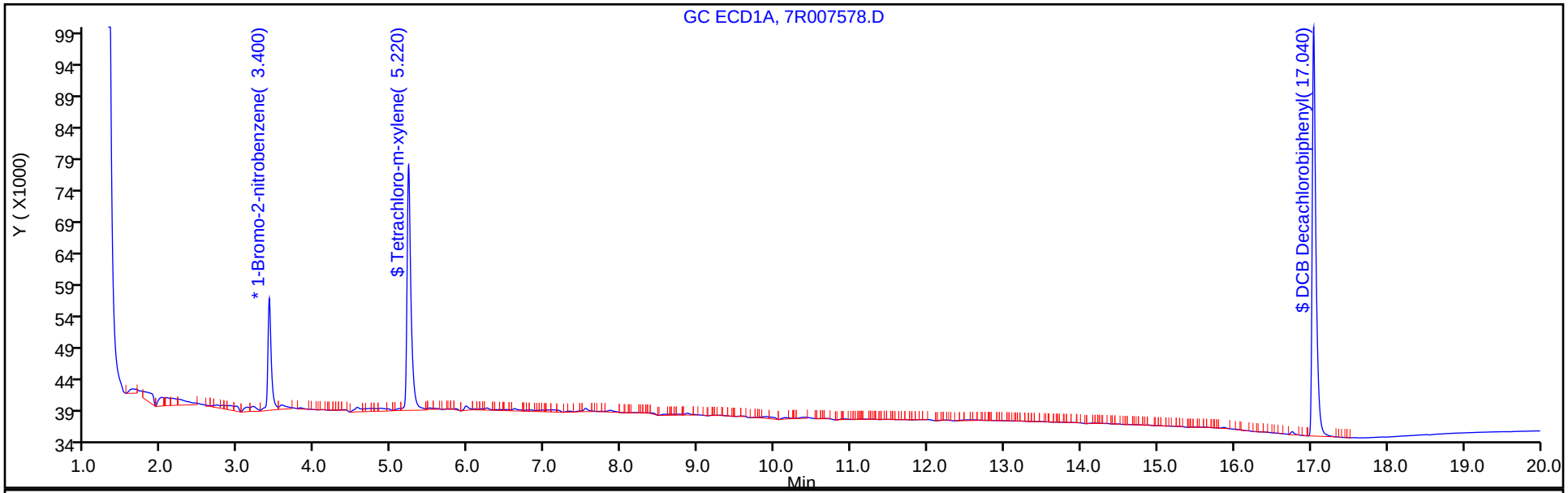
Reagents:

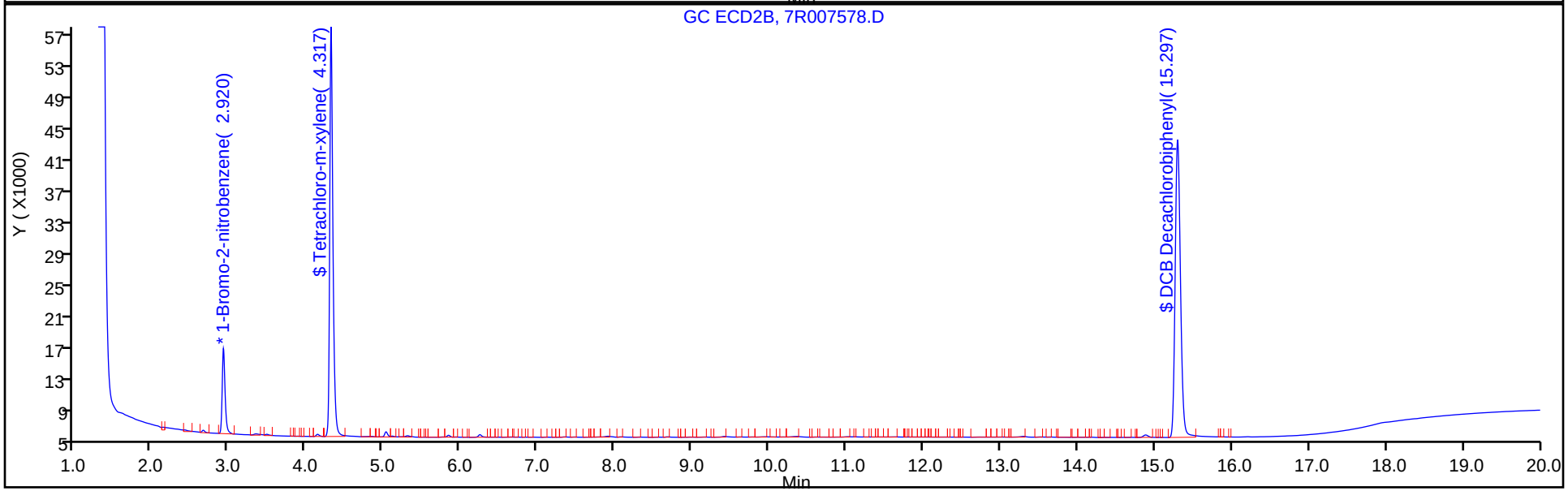
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:22:06 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007578.D				
Injection Date:	28-Aug-2019 08:21:48	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	MB 460-635331/1-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	56
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-635383/1-A
Matrix: Solid
Lab File ID: T1563446.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 08:11
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	94		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563446.D
Lims ID: MB 460-635383/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Aug-2019 08:11:07 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 13:06:58 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: guhas Date: 28-Aug-2019 08:49:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.067	1.069	-0.002	23664152	20.0	20.0	
2	1.065	1.067	-0.002	20564381	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.676	1.678	-0.002	47132608	50.0	41.6	
2	1.550	1.553	-0.003	44712330	50.0	47.2	
						RPD = 12.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	9.662	9.659	0.003	47397145	50.0	47.1	
2	8.189	8.185	0.004	48961395	50.0	47.2	
						RPD = 0.20	

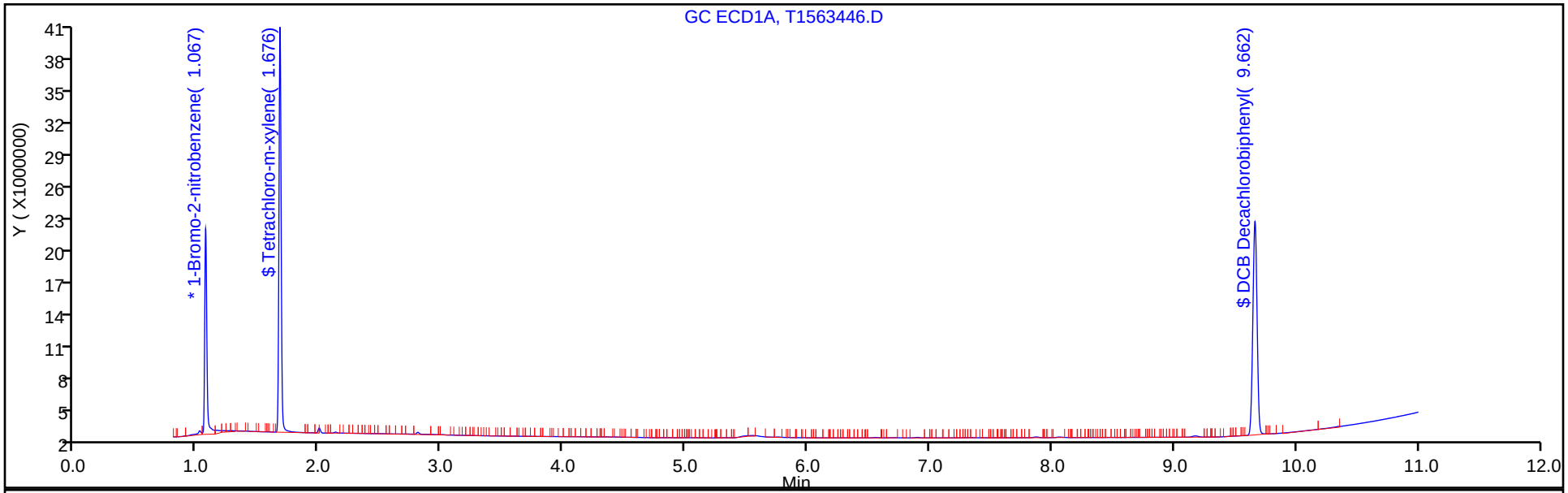
Reagents:

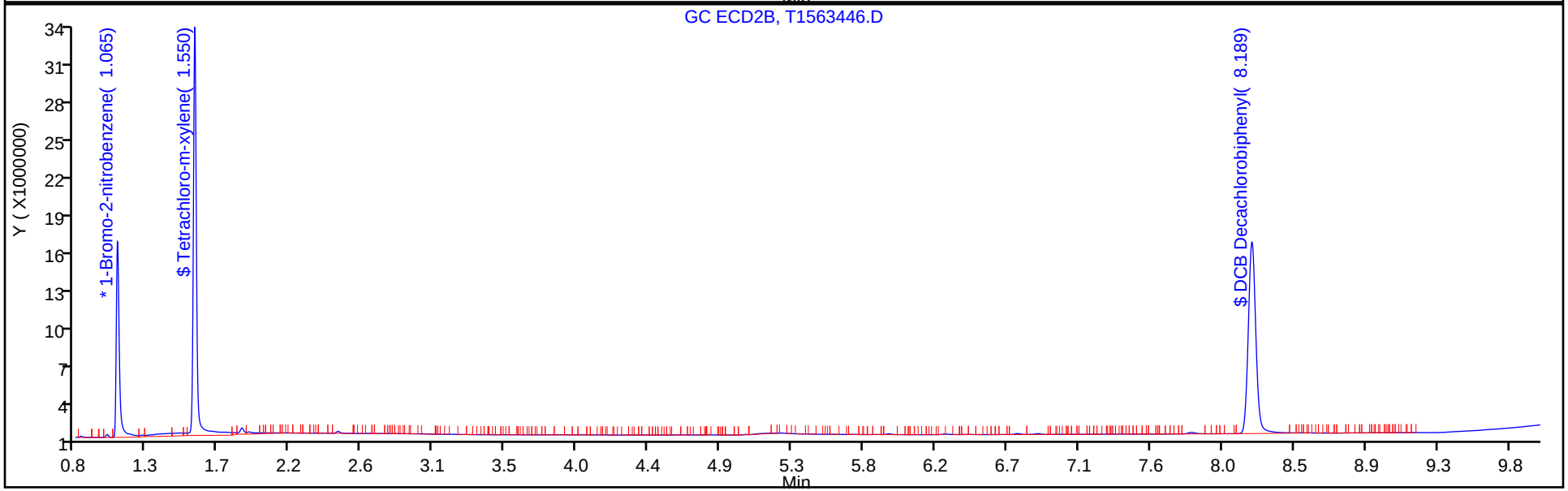
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 13:07:12 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563446.D				
Injection Date:	28-Aug-2019 08:11:07	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	MB 460-635383/1-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 460-635383/1-A
Matrix: Solid
Lab File ID: T1563446.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 08:11
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0089	U	0.067	0.0089
11104-28-2	Aroclor 1221	0.0089	U	0.067	0.0089
11141-16-5	Aroclor 1232	0.0089	U	0.067	0.0089
53469-21-9	Aroclor 1242	0.0089	U	0.067	0.0089
12672-29-6	Aroclor 1248	0.0089	U	0.067	0.0089
11097-69-1	Aroclor 1254	0.0092	U	0.067	0.0092
11096-82-5	Aroclor 1260	0.0092	U	0.067	0.0092
37324-23-5	Aroclor-1262	0.0092	U	0.067	0.0092
11100-14-4	Aroclor 1268	0.0092	U	0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	94		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563446.D
Lims ID: MB 460-635383/1-A
Client ID:
Sample Type: MB
Inject. Date: 28-Aug-2019 08:11:07 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 13:06:58 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0330

First Level Reviewer: guhas Date: 28-Aug-2019 08:49:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.067	1.069	-0.002	23664152	20.0	20.0	
2	1.065	1.067	-0.002	20564381	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.676	1.678	-0.002	47132608	50.0	41.6	
2	1.550	1.553	-0.003	44712330	50.0	47.2	
						RPD = 12.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	9.662	9.659	0.003	47397145	50.0	47.1	
2	8.189	8.185	0.004	48961395	50.0	47.2	
						RPD = 0.20	

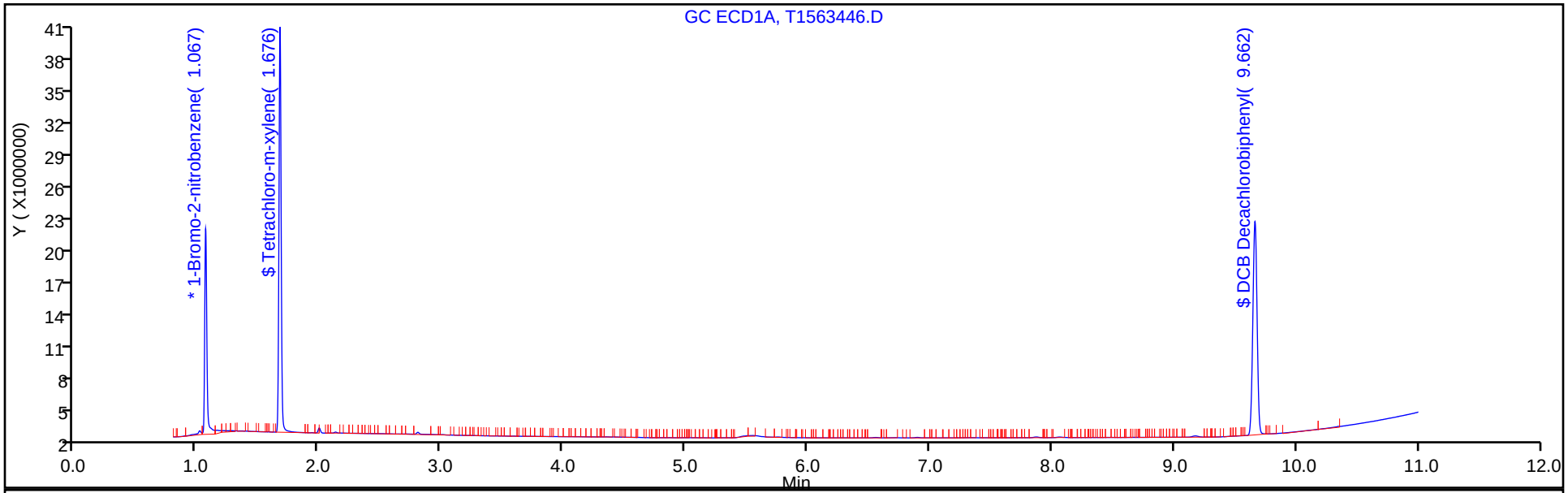
Reagents:

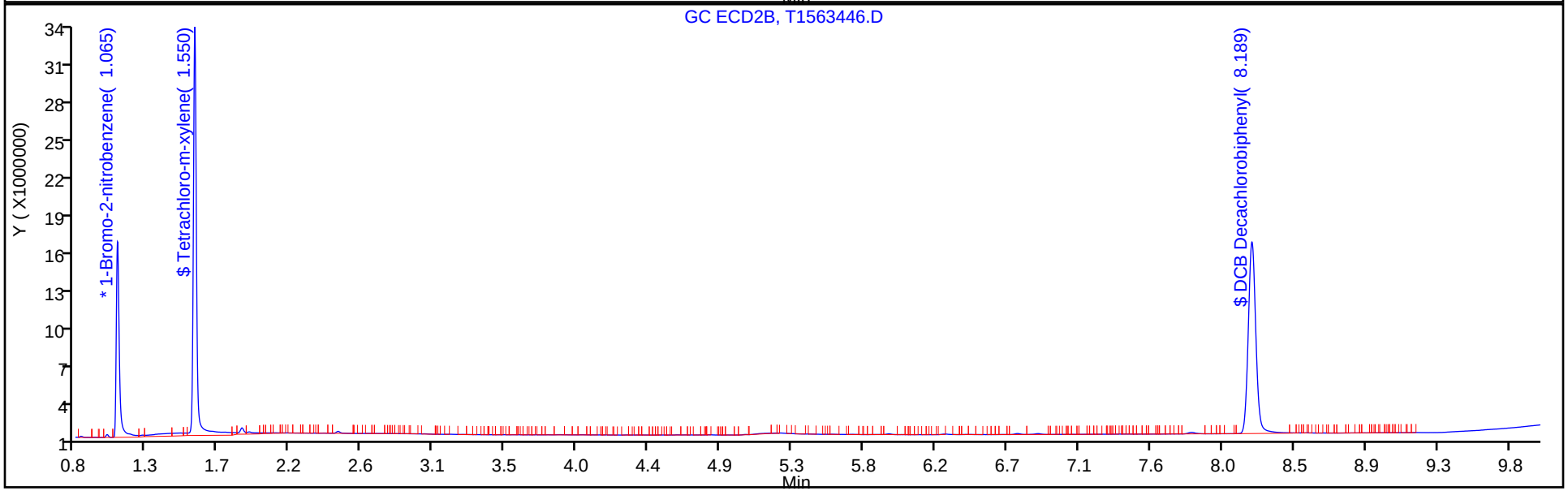
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 13:07:14 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563446.D				
Injection Date:	28-Aug-2019 08:11:07	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	MB 460-635383/1-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-635331/2-A
Matrix: Water
Lab File ID: 7R007579.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/27/2019 17:11
Sample wt/vol: 250(mL)
Date Analyzed: 08/28/2019 08:45
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635463
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*3.59*		*0.40*	*0.12*
11096-82-5	*Aroclor 1260*	*4.73*		*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*8.32*		*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007579.D
Lims ID: LCS 460-635331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 28-Aug-2019 08:45:12 ALS Bottle#: 57 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:21:57 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.400	3.400	0.000	58702	20.0	20.0	
2	2.920	2.920	0.000	29681	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.220	5.220	0.000	152610	100.0	85.8	
2	4.317	4.313	0.004	163870	100.0	99.9	
						RPD = 15.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	6.240	6.240	0.000	30954	1000.0	899.3	
1	7.020	7.020	0.000	48315	1000.0	870.8	
1	7.840	7.840	0.000	132882	1000.0	955.6	
1	8.080	8.080	0.000	60212	1000.0	923.8	
1	8.257	8.257	0.000	53503	1000.0	948.0	
1	9.117	9.117	0.000	55783	1000.0	861.2	
1	9.627	9.627	0.000	45665	1000.0	721.0	
1	9.967	9.967	0.000	94080	1000.0	999.5	
		Average of Peak Amounts =				897.4	
2	5.040	5.037	0.003	44509	1000.0	1055.2	
2	5.687	5.687	0.000	90229	1000.0	1096.3	
2	6.033	6.033	0.000	58772	1000.0	1131.6	
2	6.500	6.500	0.000	164952	1000.0	1123.1	
2	6.730	6.730	0.000	74346	1000.0	1123.2	
2	6.833	6.830	0.003	45434	1000.0	1134.4	
2	7.433	7.433	0.000	78402	1000.0	1128.3	
2	8.073	8.073	0.000	36712	1000.0	850.3	
		Average of Peak Amounts =				1080.3	
						RPD = 18.50	
8 PCB-1260							
1	10.867	10.867	0.000	144730	1000.0	1080.1	
1	11.207	11.207	0.000	242668	1000.0	1030.6	
1	11.723	11.720	0.003	346346	1000.0	1131.6	
1	12.980	12.980	0.000	247513	1000.0	1156.2	
1	13.767	13.767	0.000	237532	1000.0	1266.2	
1	14.430	14.430	0.000	485082	1000.0	1179.7	
1	15.260	15.260	0.000	314557	1000.0	1166.9	
1	16.350	16.350	0.000	111324	1000.0	1447.0	
		Average of Peak Amounts =				1182.3	
2	9.460	9.457	0.003	106511	1000.0	1028.1	
2	10.370	10.367	0.003	169034	1000.0	953.0	
2	10.590	10.587	0.003	101274	1000.0	1300.7	
2	11.060	11.060	0.000	102297	1000.0	1192.4	
2	11.780	11.777	0.003	233676	1000.0	1243.9	
2	12.513	12.510	0.003	114012	1000.0	1116.7	
2	12.777	12.773	0.004	76223	1000.0	1497.5	
2	14.210	14.210	0.000	67369	1000.0	1530.4	
		Average of Peak Amounts =				1232.8	
						RPD = 4.19	
$ 11 DCB Decachlorobiphenyl							
1	17.040	17.040	0.000	238778	100.0	98.6	
2	15.297	15.293	0.004	194069	100.0	109.3	
						RPD = 10.35	

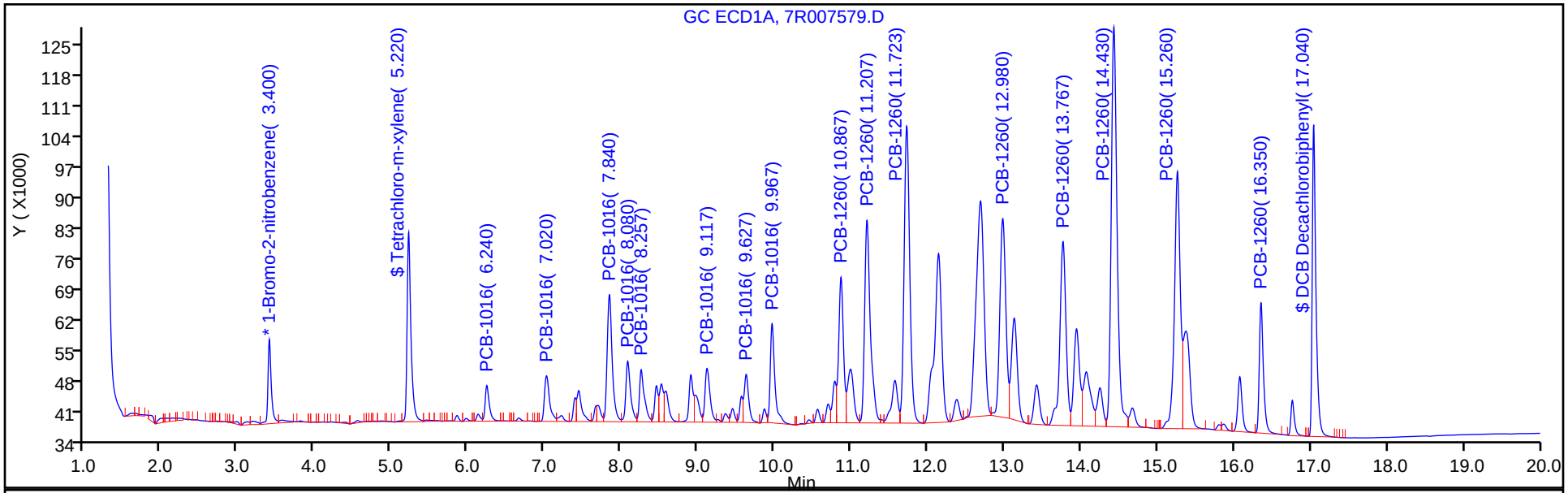
Reagents:

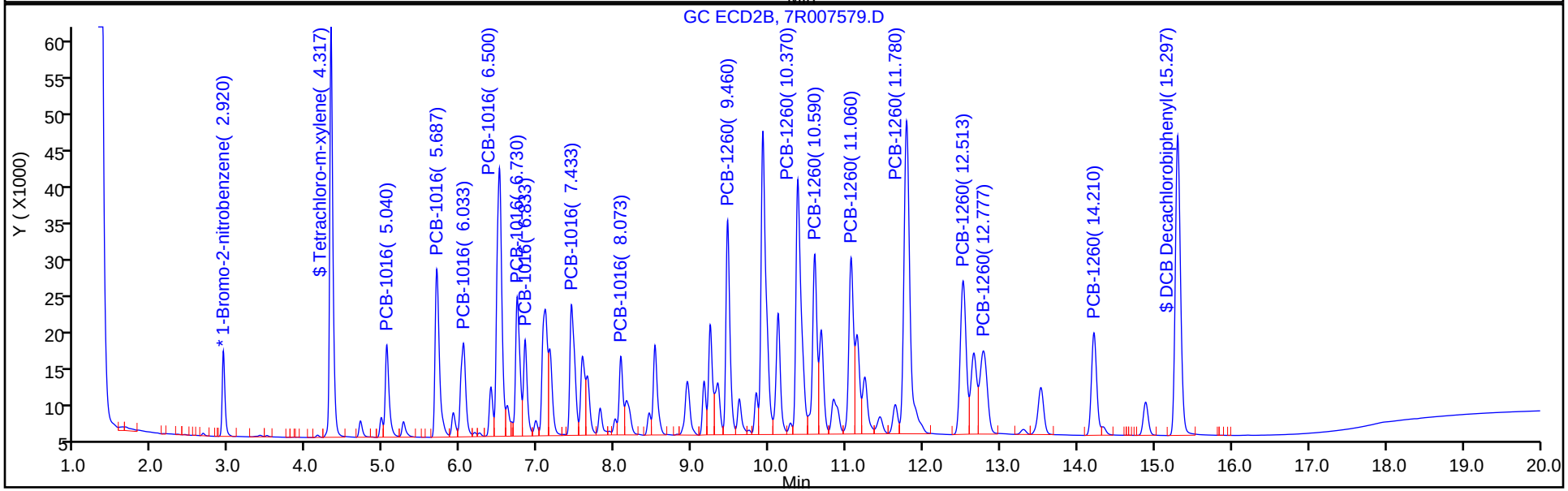
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:22:08 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007579.D				
Injection Date:	28-Aug-2019 08:45:12	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	LCS 460-635331/2-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-635331/2-A
Matrix: Water
Lab File ID: 7R007579.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/27/2019 17:11
Sample wt/vol: 250(mL)
Date Analyzed: 08/28/2019 08:45
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635463
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	4.32		0.40	0.12
11096-82-5	Aroclor 1260	4.93		0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	9.25		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007579.D
Lims ID: LCS 460-635331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 28-Aug-2019 08:45:12 ALS Bottle#: 57 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:21:57 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.400	3.400	0.000	58702	20.0	20.0	
2	2.920	2.920	0.000	29681	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.220	5.220	0.000	152610	100.0	85.8	
2	4.317	4.313	0.004	163870	100.0	99.9	
						RPD = 15.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	6.240	6.240	0.000	30954	1000.0	899.3	
1	7.020	7.020	0.000	48315	1000.0	870.8	
1	7.840	7.840	0.000	132882	1000.0	955.6	
1	8.080	8.080	0.000	60212	1000.0	923.8	
1	8.257	8.257	0.000	53503	1000.0	948.0	
1	9.117	9.117	0.000	55783	1000.0	861.2	
1	9.627	9.627	0.000	45665	1000.0	721.0	
1	9.967	9.967	0.000	94080	1000.0	999.5	
		Average of Peak Amounts =				897.4	
2	5.040	5.037	0.003	44509	1000.0	1055.2	
2	5.687	5.687	0.000	90229	1000.0	1096.3	
2	6.033	6.033	0.000	58772	1000.0	1131.6	
2	6.500	6.500	0.000	164952	1000.0	1123.1	
2	6.730	6.730	0.000	74346	1000.0	1123.2	
2	6.833	6.830	0.003	45434	1000.0	1134.4	
2	7.433	7.433	0.000	78402	1000.0	1128.3	
2	8.073	8.073	0.000	36712	1000.0	850.3	
		Average of Peak Amounts =				1080.3	
						RPD = 18.50	
8 PCB-1260							
1	10.867	10.867	0.000	144730	1000.0	1080.1	
1	11.207	11.207	0.000	242668	1000.0	1030.6	
1	11.723	11.720	0.003	346346	1000.0	1131.6	
1	12.980	12.980	0.000	247513	1000.0	1156.2	
1	13.767	13.767	0.000	237532	1000.0	1266.2	
1	14.430	14.430	0.000	485082	1000.0	1179.7	
1	15.260	15.260	0.000	314557	1000.0	1166.9	
1	16.350	16.350	0.000	111324	1000.0	1447.0	
		Average of Peak Amounts =				1182.3	
2	9.460	9.457	0.003	106511	1000.0	1028.1	
2	10.370	10.367	0.003	169034	1000.0	953.0	
2	10.590	10.587	0.003	101274	1000.0	1300.7	
2	11.060	11.060	0.000	102297	1000.0	1192.4	
2	11.780	11.777	0.003	233676	1000.0	1243.9	
2	12.513	12.510	0.003	114012	1000.0	1116.7	
2	12.777	12.773	0.004	76223	1000.0	1497.5	
2	14.210	14.210	0.000	67369	1000.0	1530.4	
		Average of Peak Amounts =				1232.8	
						RPD = 4.19	
$ 11 DCB Decachlorobiphenyl							
1	17.040	17.040	0.000	238778	100.0	98.6	
2	15.297	15.293	0.004	194069	100.0	109.3	
						RPD = 10.35	

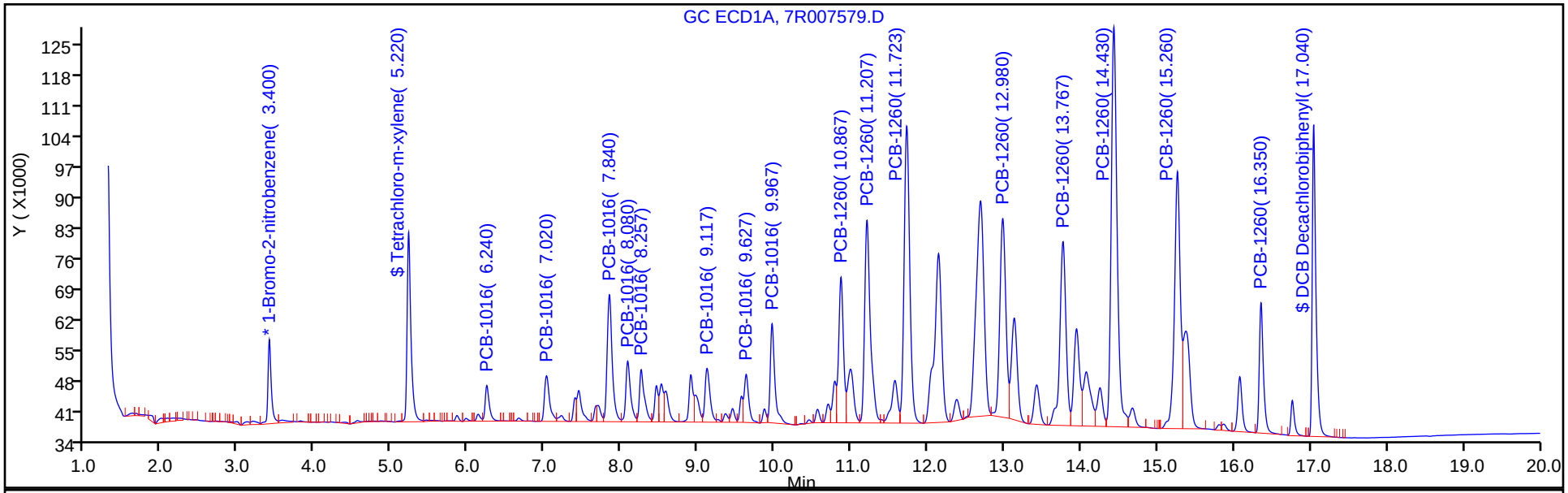
Reagents:

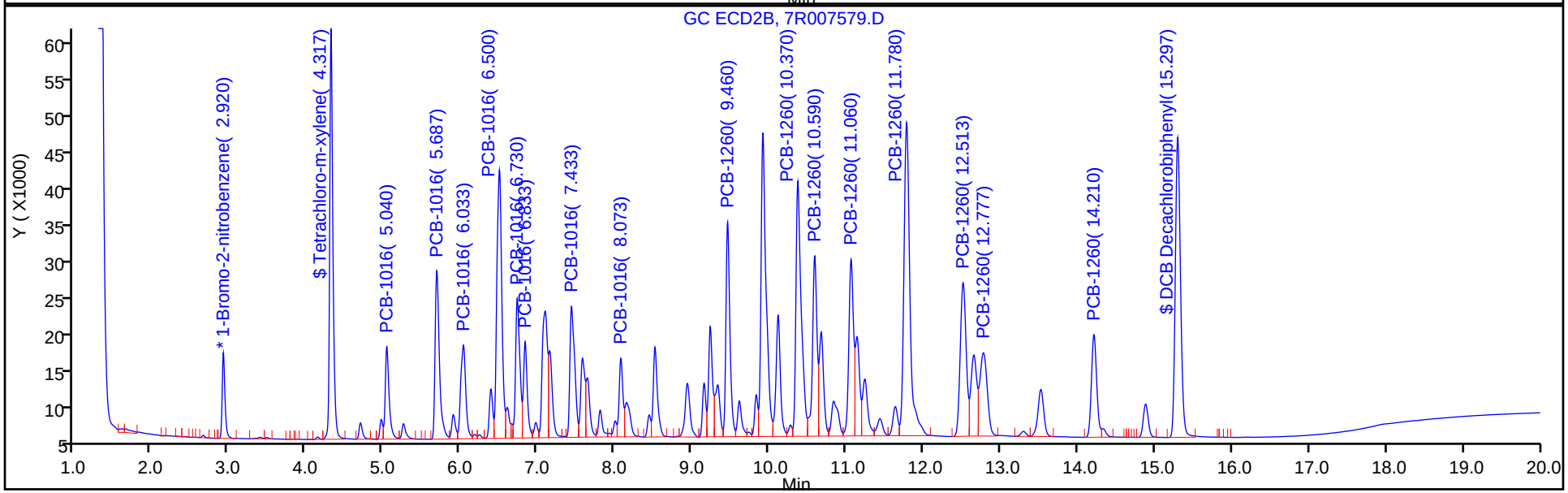
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:22:08 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007579.D				
Injection Date:	28-Aug-2019 08:45:12	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	LCS 460-635331/2-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-635383/2-A
Matrix: Solid
Lab File ID: T1563445.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 07:52
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.282*		*0.067*	*0.0089*
11096-82-5	*Aroclor 1260*	*0.321*		*0.067*	*0.0092*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.603*		*0.067*	*0.0092*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563445.D
Lims ID: LCS 460-635383/2-A
Client ID:
Sample Type: LCS
Inject. Date: 28-Aug-2019 07:52:09 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 08:28:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.068	1.069	-0.001	24111901	20.0	20.0	
2	1.067	1.067	0.000	18825091	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.677	1.678	-0.001	48656919	50.0	42.1	
2	1.554	1.553	0.001	41431320	50.0	47.8	
						RPD = 12.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.125	2.126	-0.001	10793314	500.0	500.0	
1	2.522	2.523	-0.001	18237568	500.0	417.1	
1	2.988	2.990	-0.002	37031748	500.0	398.3	
1	3.130	3.131	-0.001	15257503	500.0	394.5	
1	3.239	3.240	-0.001	11166698	500.0	479.2	
1	3.646	3.647	-0.001	12325757	500.0	407.2	
1	3.778	3.780	-0.002	14640859	500.0	412.6	
1	4.120	4.121	-0.001	11072931	500.0	380.0	
		Average of Peak Amounts =				423.6	
2	1.855	1.854	0.001	8455420	500.0	491.8	M
2	2.164	2.163	0.001	16672339	500.0	538.9	M
2	2.347	2.346	0.001	11399560	500.0	521.8	M
2	2.596	2.595	0.001	29801546	500.0	466.0	M
2	2.724	2.723	0.001	14935438	500.0	523.5	M
2	2.787	2.785	0.002	9913797	500.0	526.2	M
2	3.143	3.142	0.001	15428298	500.0	526.0	M
2	3.550	3.550	0.000	8437553	500.0	454.2	M
		Average of Peak Amounts =				506.0	
						RPD = 17.73	
8 PCB-1260							M
1	4.911	4.914	-0.003	11616235	500.0	447.5	
1	5.094	5.096	-0.002	25022848	500.0	396.0	
1	5.350	5.351	-0.001	28954995	500.0	410.0	
1	5.906	5.910	-0.004	23167506	500.0	508.2	
1	6.315	6.317	-0.002	24300333	500.0	504.0	
1	6.724	6.725	-0.001	56393152	500.0	493.3	
1	7.325	7.329	-0.004	41925592	500.0	492.5	
1	8.475	8.476	-0.001	18815051	500.0	605.2	
		Average of Peak Amounts =				482.1	
2	4.472	4.472	0.000	23266848	500.0	530.0	M
2	5.092	5.091	0.001	38339571	500.0	465.9	
2	5.236	5.235	0.001	21851441	500.0	610.9	
2	5.518	5.518	0.000	22690065	500.0	607.5	
2	5.900	5.900	0.000	57417532	500.0	658.5	
2	6.281	6.280	0.001	25289935	500.0	514.6	
2	6.415	6.416	-0.001	18490006	500.0	695.3	
2	7.272	7.273	-0.001	15800615	500.0	690.1	
		Average of Peak Amounts =				596.6	
						RPD = 21.24	
$ 11 DCB Decachlorobiphenyl							
1	9.657	9.659	-0.002	47890488	50.0	46.7	
2	8.185	8.185	0.000	49505142	50.0	52.2	
						RPD = 10.97	

QC Flag Legend

Review Flags

M - Manually Integrated

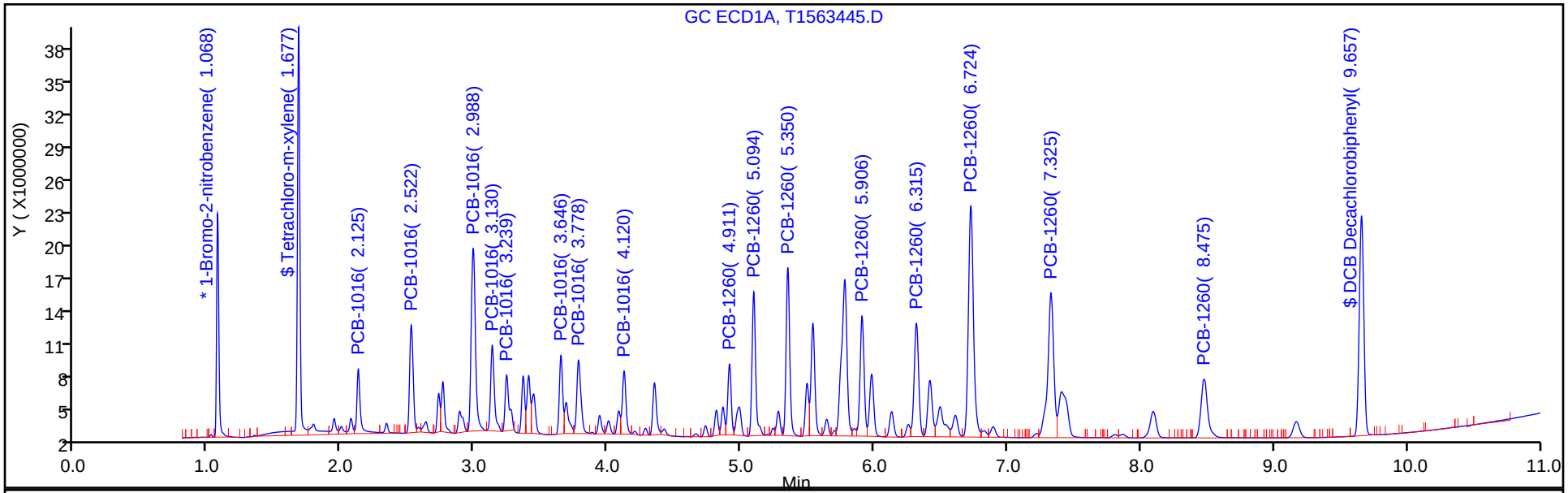
Reagents:

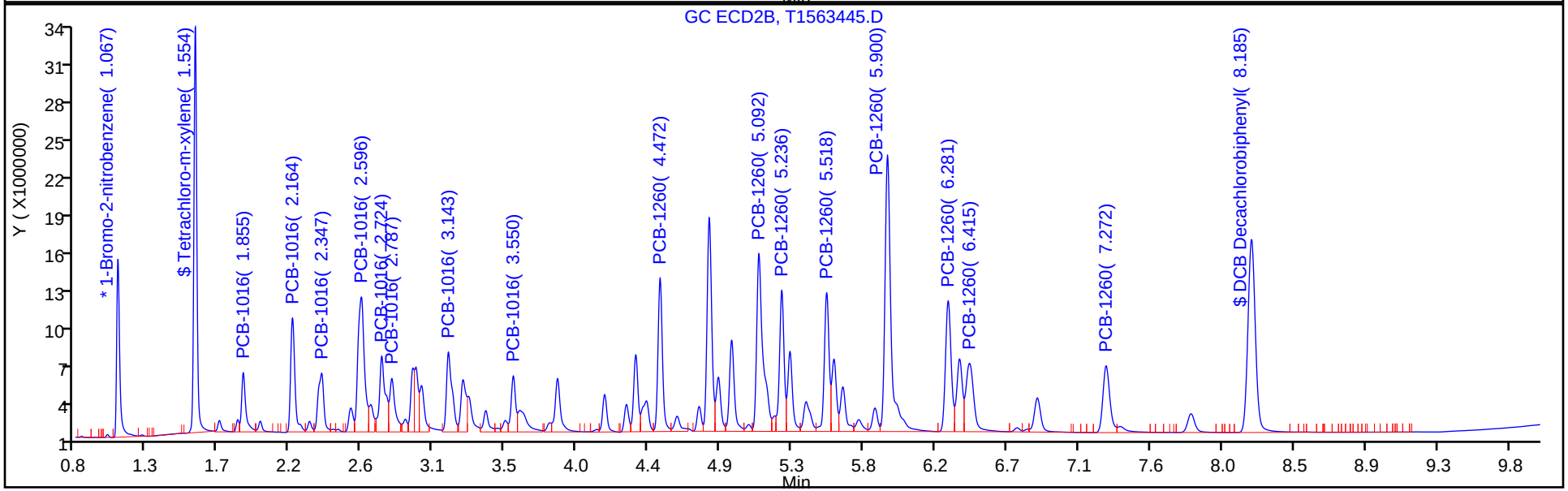
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 11:07:22 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563445.D				
Injection Date:	28-Aug-2019 07:52:09	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCS 460-635383/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 460-635383/2-A
Matrix: Solid
Lab File ID: T1563445.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 07:52
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP
ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.337		0.067	0.0089
11096-82-5	Aroclor 1260	0.398		0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.735		0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563445.D
Lims ID: LCS 460-635383/2-A
Client ID:
Sample Type: LCS
Inject. Date: 28-Aug-2019 07:52:09 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 08:28:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.068	1.069	-0.001	24111901	20.0	20.0	
2	1.067	1.067	0.000	18825091	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	1.677	1.678	-0.001	48656919	50.0	42.1	
2	1.554	1.553	0.001	41431320	50.0	47.8	
						RPD = 12.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.125	2.126	-0.001	10793314	500.0	500.0	
1	2.522	2.523	-0.001	18237568	500.0	417.1	
1	2.988	2.990	-0.002	37031748	500.0	398.3	
1	3.130	3.131	-0.001	15257503	500.0	394.5	
1	3.239	3.240	-0.001	11166698	500.0	479.2	
1	3.646	3.647	-0.001	12325757	500.0	407.2	
1	3.778	3.780	-0.002	14640859	500.0	412.6	
1	4.120	4.121	-0.001	11072931	500.0	380.0	
		Average of Peak Amounts =				423.6	
2	1.855	1.854	0.001	8455420	500.0	491.8	M
2	2.164	2.163	0.001	16672339	500.0	538.9	M
2	2.347	2.346	0.001	11399560	500.0	521.8	M
2	2.596	2.595	0.001	29801546	500.0	466.0	M
2	2.724	2.723	0.001	14935438	500.0	523.5	M
2	2.787	2.785	0.002	9913797	500.0	526.2	M
2	3.143	3.142	0.001	15428298	500.0	526.0	M
2	3.550	3.550	0.000	8437553	500.0	454.2	M
		Average of Peak Amounts =				506.0	
						RPD = 17.73	
8 PCB-1260							M
1	4.911	4.914	-0.003	11616235	500.0	447.5	
1	5.094	5.096	-0.002	25022848	500.0	396.0	
1	5.350	5.351	-0.001	28954995	500.0	410.0	
1	5.906	5.910	-0.004	23167506	500.0	508.2	
1	6.315	6.317	-0.002	24300333	500.0	504.0	
1	6.724	6.725	-0.001	56393152	500.0	493.3	
1	7.325	7.329	-0.004	41925592	500.0	492.5	
1	8.475	8.476	-0.001	18815051	500.0	605.2	
		Average of Peak Amounts =				482.1	
2	4.472	4.472	0.000	23266848	500.0	530.0	M
2	5.092	5.091	0.001	38339571	500.0	465.9	
2	5.236	5.235	0.001	21851441	500.0	610.9	
2	5.518	5.518	0.000	22690065	500.0	607.5	
2	5.900	5.900	0.000	57417532	500.0	658.5	
2	6.281	6.280	0.001	25289935	500.0	514.6	
2	6.415	6.416	-0.001	18490006	500.0	695.3	
2	7.272	7.273	-0.001	15800615	500.0	690.1	
		Average of Peak Amounts =				596.6	
						RPD = 21.24	
$ 11 DCB Decachlorobiphenyl							
1	9.657	9.659	-0.002	47890488	50.0	46.7	
2	8.185	8.185	0.000	49505142	50.0	52.2	
						RPD = 10.97	

QC Flag Legend

Review Flags

M - Manually Integrated

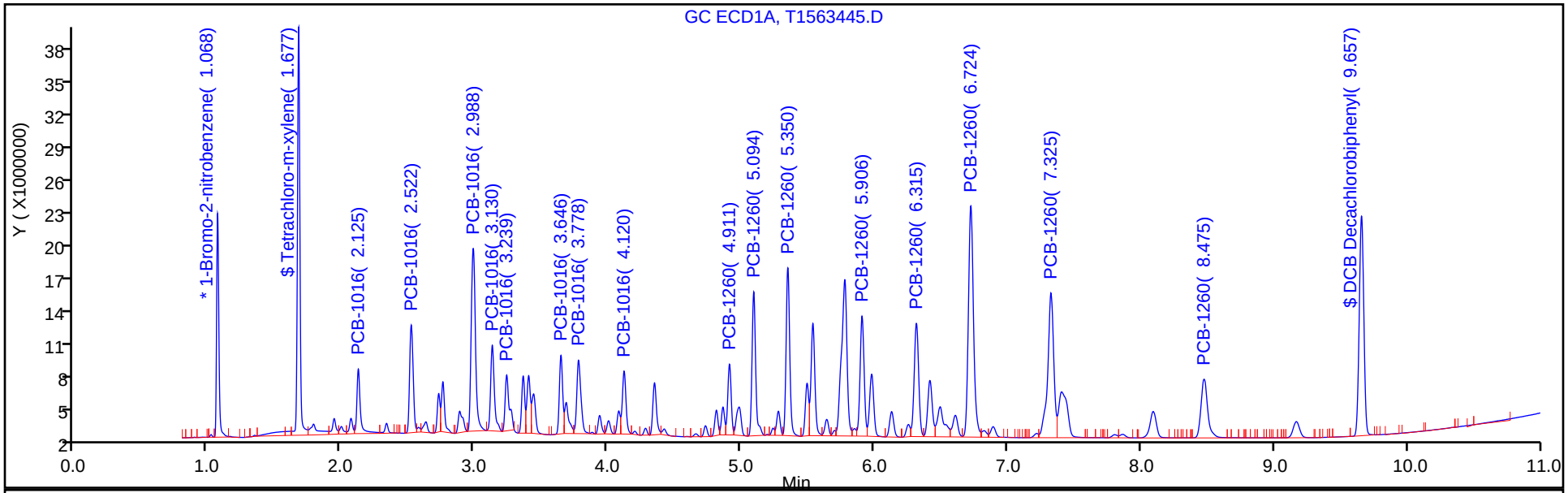
Reagents:

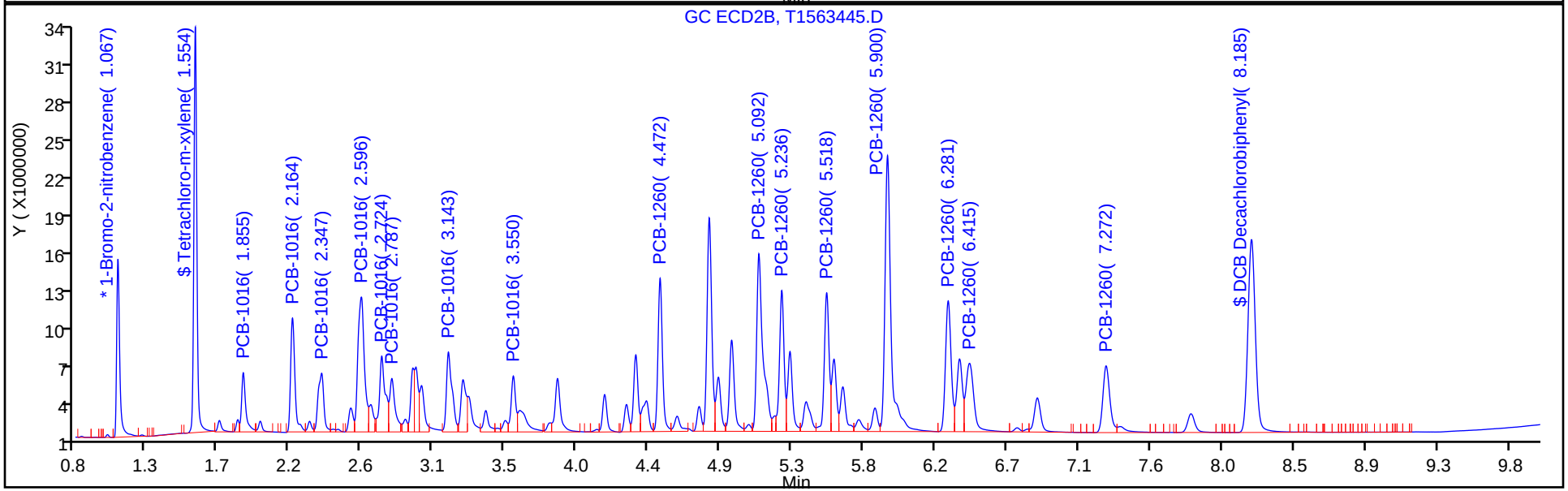
SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 11:07:23 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563445.D				
Injection Date:	28-Aug-2019 07:52:09	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCS 460-635383/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



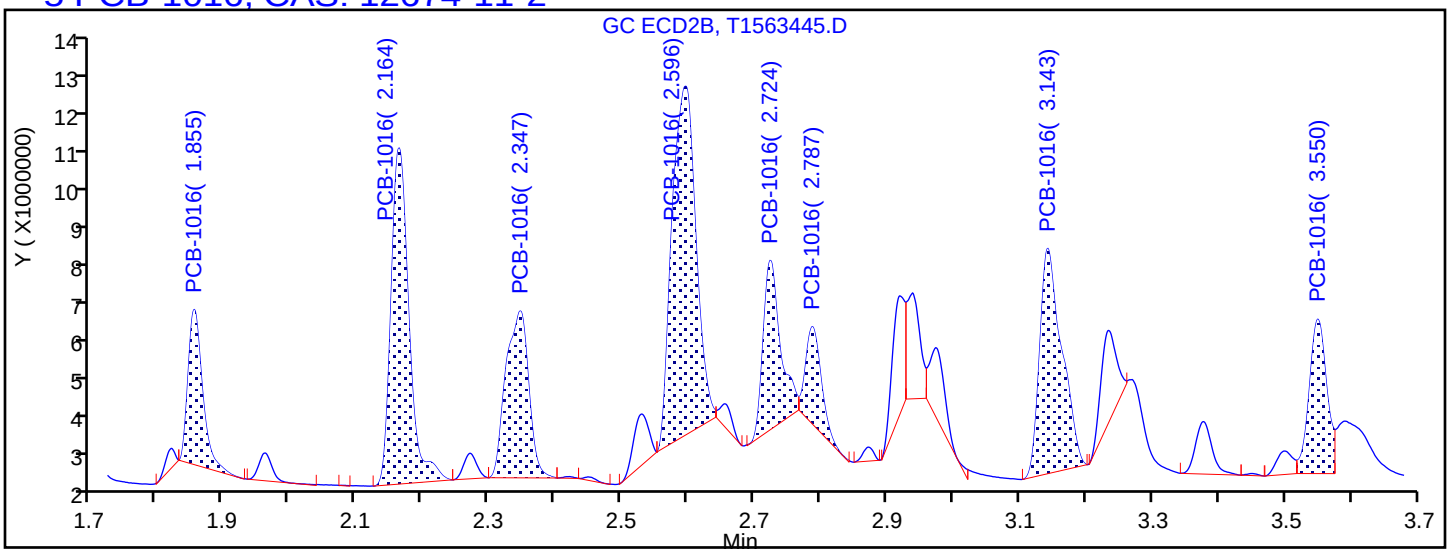


Report Date: 28-Aug-2019 11:07:23 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

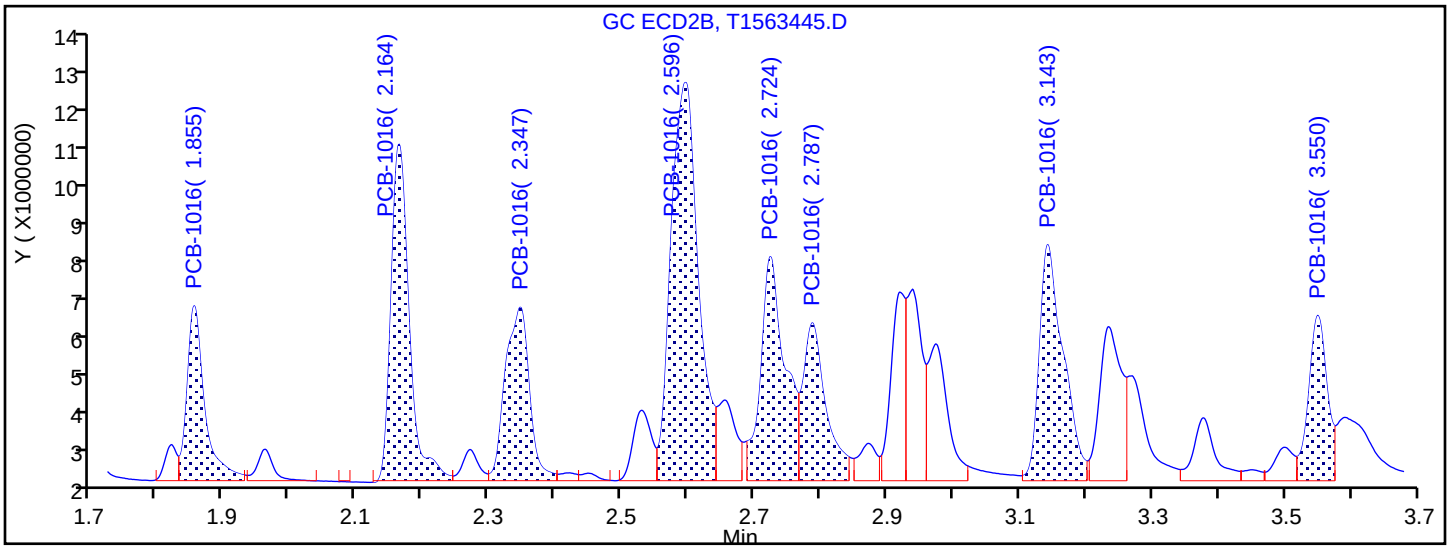
Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563445.D
Injection Date: 28-Aug-2019 07:52:09 Instrument ID: CPESTGC11
Lims ID: LCS 460-635383/2-A
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

1.855	Response = 6156182
2.164	Response = 16402828
2.347	Response = 10332372
2.596	Response = 22803155
2.724	Response = 7973791
2.787	Response = 4144711
3.143	Response = 13528280
3.550	Response = 7449063



Manual Integration Results

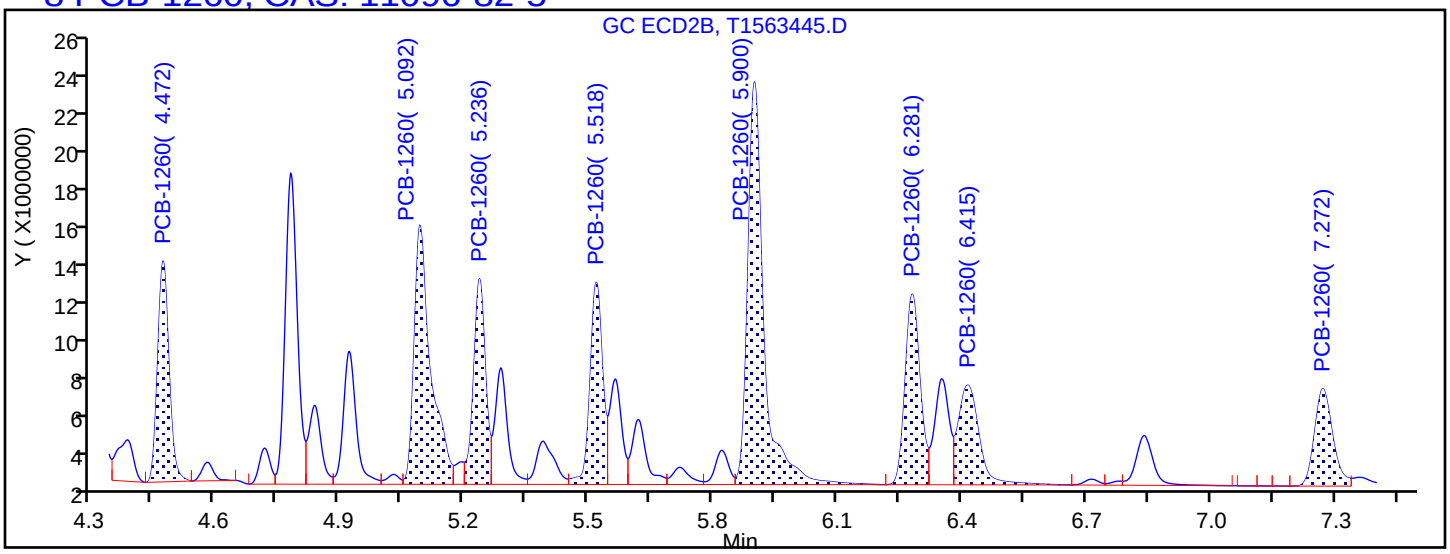
1.855	Response = 8455420	M
2.164	Response = 16672339	M
2.347	Response = 11399560	M
2.596	Response = 29801546	M
2.724	Response = 14935438	M
2.787	Response = 9913797	M

Report Date: 28-Aug-2019 11:07:23 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

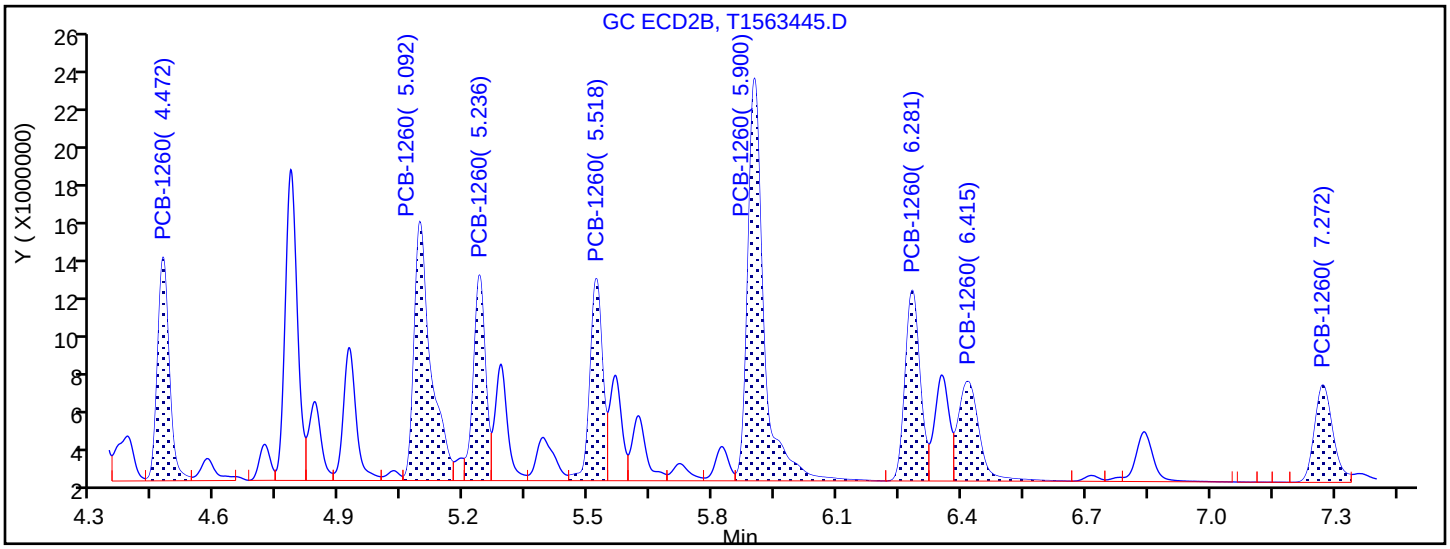
Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563445.D
Injection Date: 28-Aug-2019 07:52:09 Instrument ID: CPESTGC11
Lims ID: LCS 460-635383/2-A
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.472	Response = 22276584
5.092	Response = 38339571
5.236	Response = 21851441
5.518	Response = 22690065
5.900	Response = 57417532
6.281	Response = 25289935
6.415	Response = 18490006
7.272	Response = 15800615



Manual Integration Results

4.472	Response = 23266848	M
5.092	Response = 38339571	
5.236	Response = 21851441	
5.518	Response = 22690065	
5.900	Response = 57417532	
6.281	Response = 25289935	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 460-635331/3-A
Matrix: Water
Lab File ID: 7R007580.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/27/2019 17:11
Sample wt/vol: 250(mL)
Date Analyzed: 08/28/2019 09:08
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635463
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*3.58*		*0.40*	*0.12*
11096-82-5	*Aroclor 1260*	*4.65*		*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*8.23*		*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007580.D
Lims ID: LCSD 460-635331/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Aug-2019 09:08:32 ALS Bottle#: 58 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:21:57 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.400	3.400	0.000	60201	20.0	20.0	
2	2.920	2.920	0.000	30725	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.220	5.220	0.000	156571	100.0	85.8	
2	4.317	4.313	0.004	170577	100.0	100.5	
						RPD = 15.71	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	6.240	6.240	0.000	32146	1000.0	910.7	
1	7.020	7.020	0.000	50530	1000.0	888.0	
1	7.843	7.840	0.003	134431	1000.0	942.7	
1	8.080	8.080	0.000	61265	1000.0	916.5	
1	8.257	8.257	0.000	54356	1000.0	939.1	
1	9.117	9.117	0.000	56920	1000.0	856.9	
1	9.627	9.627	0.000	46322	1000.0	713.2	
1	9.967	9.967	0.000	96739	1000.0	1002.1	
		Average of Peak Amounts =				896.2	
2	5.040	5.037	0.003	45397	1000.0	1039.7	
2	5.687	5.687	0.000	90727	1000.0	1064.9	
2	6.033	6.033	0.000	58856	1000.0	1094.7	
2	6.500	6.500	0.000	164937	1000.0	1084.9	
2	6.730	6.730	0.000	73769	1000.0	1076.7	
2	6.833	6.830	0.003	45212	1000.0	1090.5	
2	7.437	7.433	0.004	77650	1000.0	1079.5	
2	8.077	8.073	0.004	36518	1000.0	817.1	
		Average of Peak Amounts =				1043.5	
						RPD = 15.19	
8 PCB-1260							
1	10.867	10.867	0.000	145415	1000.0	1058.2	
1	11.207	11.207	0.000	242596	1000.0	1004.6	
1	11.723	11.720	0.003	346421	1000.0	1103.7	
1	12.980	12.980	0.000	263061	1000.0	1198.2	
1	13.763	13.767	-0.004	237052	1000.0	1232.2	
1	14.430	14.430	0.000	484580	1000.0	1149.1	
1	15.260	15.260	0.000	314590	1000.0	1137.9	
1	16.350	16.350	0.000	111226	1000.0	1409.7	
		Average of Peak Amounts =				1161.7	
2	9.460	9.457	0.003	105830	1000.0	986.8	
2	10.370	10.367	0.003	168181	1000.0	916.0	
2	10.590	10.587	0.003	100711	1000.0	1249.5	
2	11.060	11.060	0.000	101627	1000.0	1144.3	
2	11.780	11.777	0.003	232087	1000.0	1193.4	
2	12.513	12.510	0.003	113439	1000.0	1073.3	
2	12.777	12.773	0.004	75660	1000.0	1435.9	
2	14.210	14.210	0.000	67028	1000.0	1470.9	
		Average of Peak Amounts =				1183.8	
						RPD = 1.88	
$ 11 DCB Decachlorobiphenyl							
1	17.040	17.040	0.000	247517	100.0	99.6	
2	15.297	15.293	0.004	199898	100.0	108.8	
						RPD = 8.79	

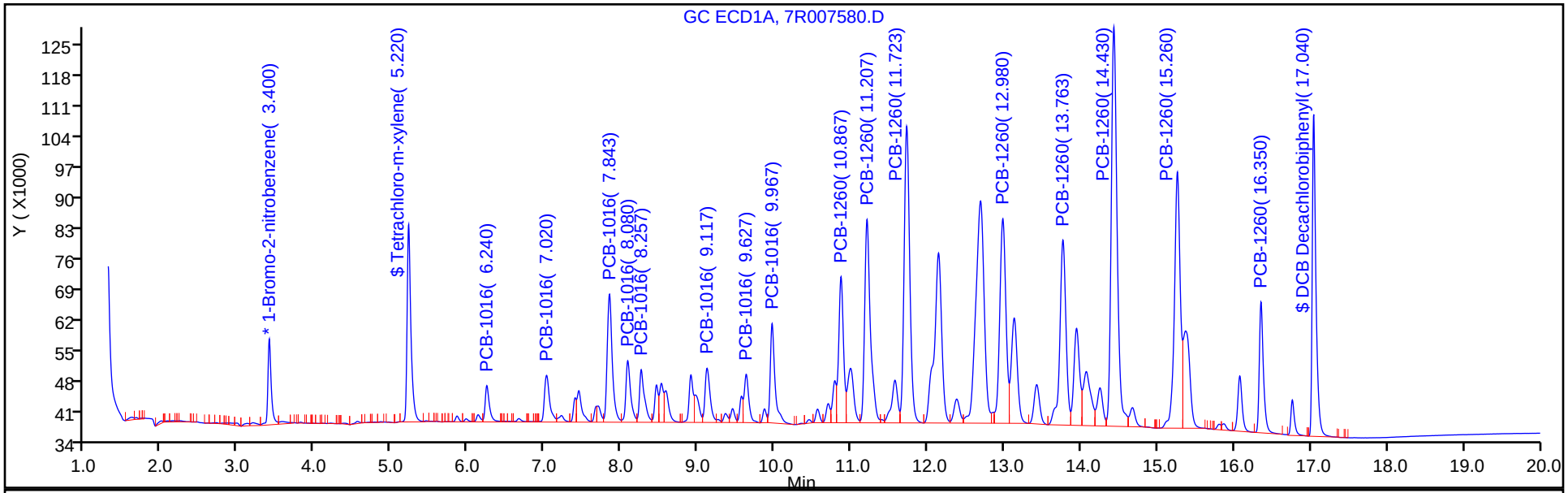
Reagents:

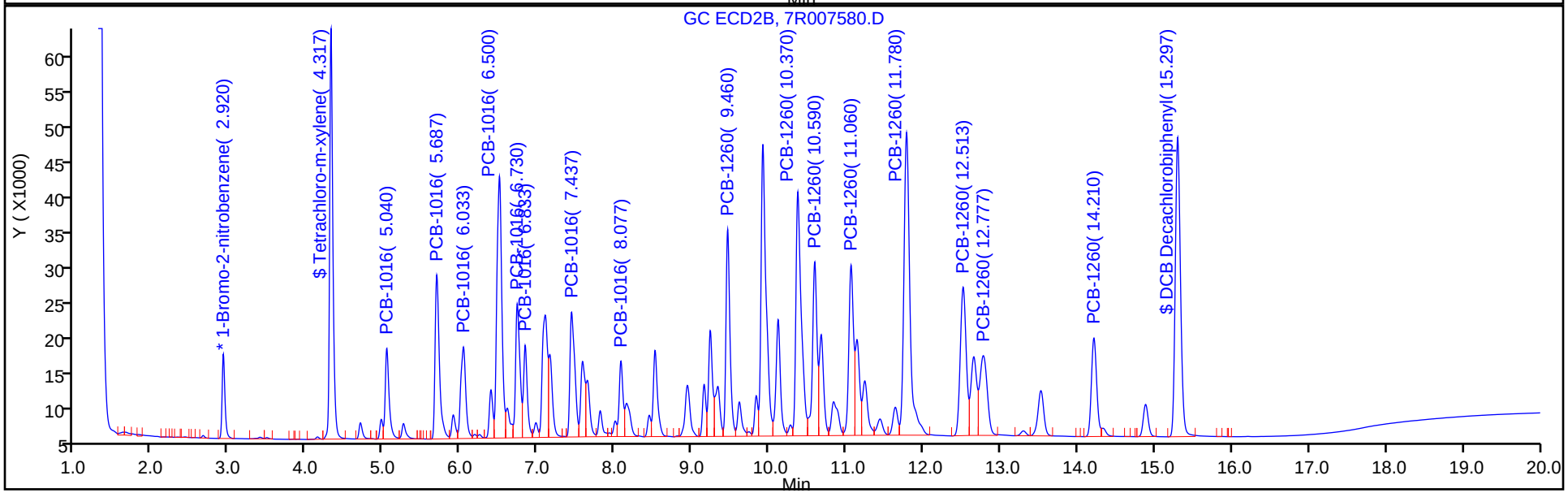
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:22:10 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007580.D				
Injection Date:	28-Aug-2019 09:08:32	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	LCSD 460-635331/3-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 460-635331/3-A
Matrix: Water
Lab File ID: 7R007580.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/27/2019 17:11
Sample wt/vol: 250(mL)
Date Analyzed: 08/28/2019 09:08
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635463
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	4.17		0.40	0.12
11096-82-5	Aroclor 1260	4.74		0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	8.91		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007580.D
Lims ID: LCSD 460-635331/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Aug-2019 09:08:32 ALS Bottle#: 58 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC7

Method: \\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\8082.ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 12:21:57 Calib Date: 08-Jul-2019 15:24:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC7\20190708-94063.b\7R005877.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	3.400	3.400	0.000	60201	20.0	20.0	
2	2.920	2.920	0.000	30725	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	5.220	5.220	0.000	156571	100.0	85.8	
2	4.317	4.313	0.004	170577	100.0	100.5	
						RPD = 15.71	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	6.240	6.240	0.000	32146	1000.0	910.7	
1	7.020	7.020	0.000	50530	1000.0	888.0	
1	7.843	7.840	0.003	134431	1000.0	942.7	
1	8.080	8.080	0.000	61265	1000.0	916.5	
1	8.257	8.257	0.000	54356	1000.0	939.1	
1	9.117	9.117	0.000	56920	1000.0	856.9	
1	9.627	9.627	0.000	46322	1000.0	713.2	
1	9.967	9.967	0.000	96739	1000.0	1002.1	
		Average of Peak Amounts =				896.2	
2	5.040	5.037	0.003	45397	1000.0	1039.7	
2	5.687	5.687	0.000	90727	1000.0	1064.9	
2	6.033	6.033	0.000	58856	1000.0	1094.7	
2	6.500	6.500	0.000	164937	1000.0	1084.9	
2	6.730	6.730	0.000	73769	1000.0	1076.7	
2	6.833	6.830	0.003	45212	1000.0	1090.5	
2	7.437	7.433	0.004	77650	1000.0	1079.5	
2	8.077	8.073	0.004	36518	1000.0	817.1	
		Average of Peak Amounts =				1043.5	
						RPD = 15.19	
8 PCB-1260							
1	10.867	10.867	0.000	145415	1000.0	1058.2	
1	11.207	11.207	0.000	242596	1000.0	1004.6	
1	11.723	11.720	0.003	346421	1000.0	1103.7	
1	12.980	12.980	0.000	263061	1000.0	1198.2	
1	13.763	13.767	-0.004	237052	1000.0	1232.2	
1	14.430	14.430	0.000	484580	1000.0	1149.1	
1	15.260	15.260	0.000	314590	1000.0	1137.9	
1	16.350	16.350	0.000	111226	1000.0	1409.7	
		Average of Peak Amounts =				1161.7	
2	9.460	9.457	0.003	105830	1000.0	986.8	
2	10.370	10.367	0.003	168181	1000.0	916.0	
2	10.590	10.587	0.003	100711	1000.0	1249.5	
2	11.060	11.060	0.000	101627	1000.0	1144.3	
2	11.780	11.777	0.003	232087	1000.0	1193.4	
2	12.513	12.510	0.003	113439	1000.0	1073.3	
2	12.777	12.773	0.004	75660	1000.0	1435.9	
2	14.210	14.210	0.000	67028	1000.0	1470.9	
		Average of Peak Amounts =				1183.8	
						RPD = 1.88	
$ 11 DCB Decachlorobiphenyl							
1	17.040	17.040	0.000	247517	100.0	99.6	
2	15.297	15.293	0.004	199898	100.0	108.8	
						RPD = 8.79	

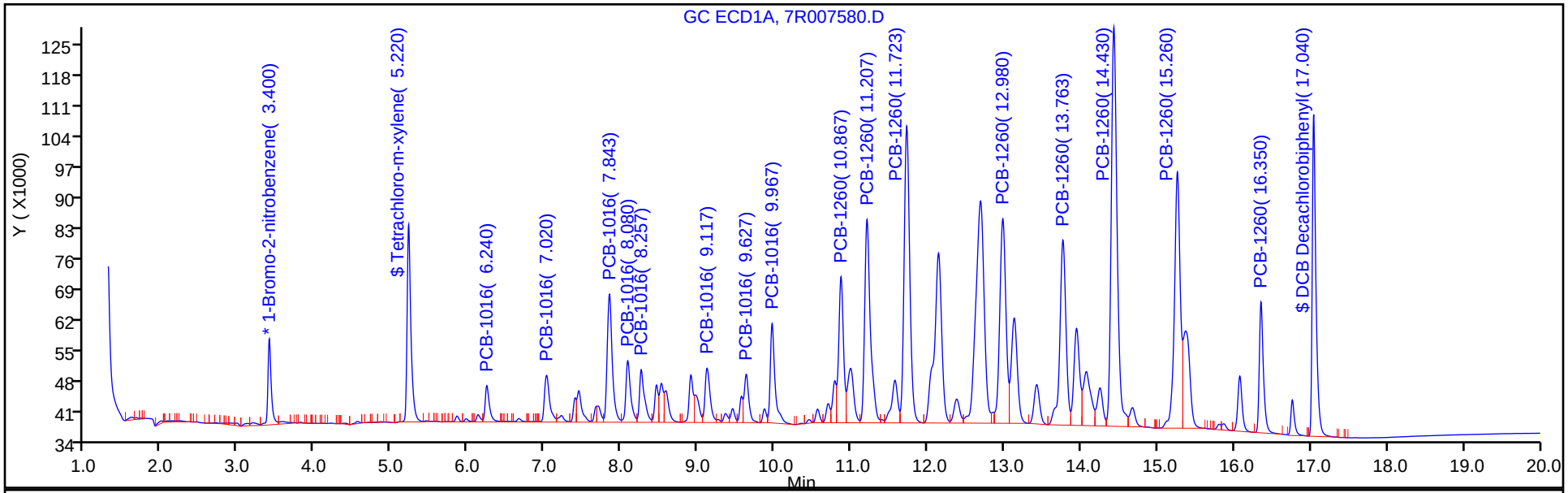
Reagents:

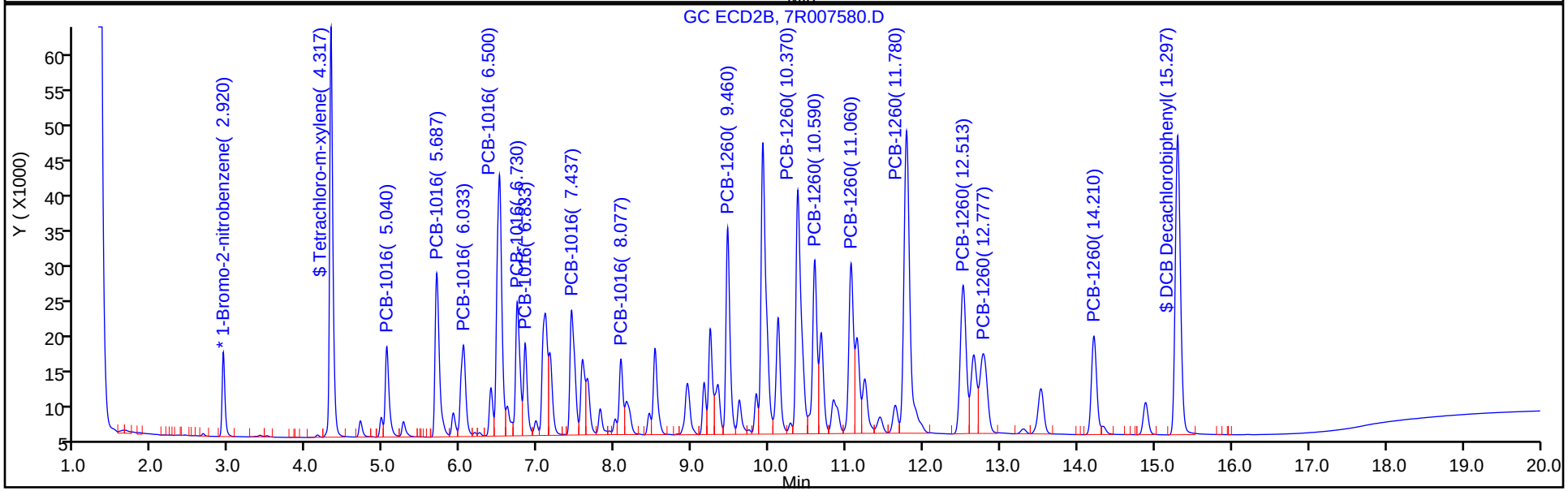
SGPCBISTD_00014 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 28-Aug-2019 12:22:10 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CPESTGC7\20190828-96758.b\7R007580.D				
Injection Date:	28-Aug-2019 09:08:32	Instrument ID:	CPESTGC7	Operator ID:	
Lims ID:	LCSD 460-635331/3-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	8082.ISTD	Limit Group:	GC 8082A PCB ISTD		





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 460-635383/3-A
Matrix: Solid
Lab File ID: T1563447.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 08:28
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.309*		*0.067*	*0.0089*
11096-82-5	*Aroclor 1260*	*0.356*		*0.067*	*0.0092*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.665*		*0.067*	*0.0092*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563447.D
Lims ID: LCSD 460-635383/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Aug-2019 08:28:29 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 09:06:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.068	1.069	-0.001	22256493	20.0	20.0	
2	1.068	1.067	0.001	18230049	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	1.677	1.678	-0.001	46260841	50.0	43.4	
2	1.554	1.553	0.001	41983986	50.0	50.0	M
						RPD = 14.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.125	2.126	-0.001	9043313	500.0	453.8	
1	2.523	2.523	0.000	18213082	500.0	451.2	
1	2.990	2.990	0.000	37661592	500.0	438.8	
1	3.131	3.131	0.000	15539772	500.0	435.3	
1	3.240	3.240	0.000	11534688	500.0	536.3	
1	3.648	3.647	0.001	13051875	500.0	467.1	
1	3.780	3.780	0.000	15764375	500.0	481.3	
1	4.121	4.121	0.000	11809688	500.0	439.1	
		Average of Peak Amounts =				462.9	
2	1.855	1.854	0.001	8806269	500.0	528.9	M
2	2.164	2.163	0.001	16917877	500.0	564.7	M
2	2.347	2.346	0.001	11579335	500.0	547.3	M
2	2.596	2.595	0.001	30091829	500.0	485.9	M
2	2.725	2.723	0.002	14888311	500.0	538.8	M
2	2.788	2.785	0.003	9992674	500.0	547.7	M
2	3.144	3.142	0.002	15436244	500.0	543.5	M
2	3.551	3.550	0.001	8370683	500.0	465.3	M
		Average of Peak Amounts =				527.8	
						RPD = 13.10	
8 PCB-1260							M
1	4.912	4.914	-0.002	12400452	500.0	517.6	
1	5.095	5.096	-0.001	26074395	500.0	447.0	
1	5.350	5.351	-0.001	29844484	500.0	457.8	
1	5.909	5.910	-0.001	23758546	500.0	564.6	
1	6.316	6.317	-0.001	24939423	500.0	560.4	
1	6.725	6.725	0.000	57196167	500.0	542.0	
1	7.328	7.329	-0.001	42221086	500.0	537.3	
1	8.475	8.476	-0.001	18615611	500.0	648.7	
		Average of Peak Amounts =				534.4	
2	4.473	4.472	0.001	23024791	500.0	541.6	M
2	5.093	5.091	0.002	37626360	500.0	472.2	M
2	5.237	5.235	0.002	21645519	500.0	624.8	
2	5.520	5.518	0.002	22228629	500.0	614.6	
2	5.902	5.900	0.002	57106468	500.0	676.3	
2	6.283	6.280	0.003	25335037	500.0	532.3	
2	6.416	6.416	0.000	18370136	500.0	713.3	
2	7.275	7.273	0.002	15760718	500.0	710.9	
		Average of Peak Amounts =				610.8	
						RPD = 13.33	
$ 11 DCB Decachlorobiphenyl							
1	9.660	9.659	0.001	47959094	50.0	50.7	
2	8.187	8.185	0.002	49668092	50.0	54.0	
						RPD = 6.37	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 11:07:34 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563447.D

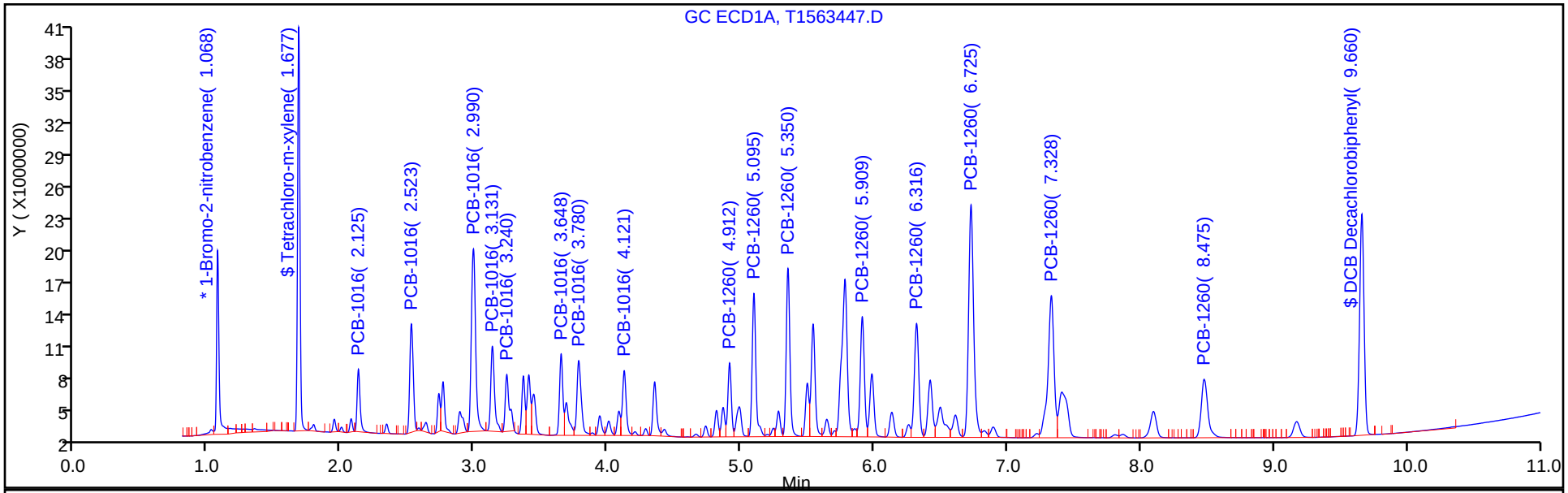
Injection Date: 28-Aug-2019 08:28:29 Instrument ID: CPESTGC11 Operator ID:

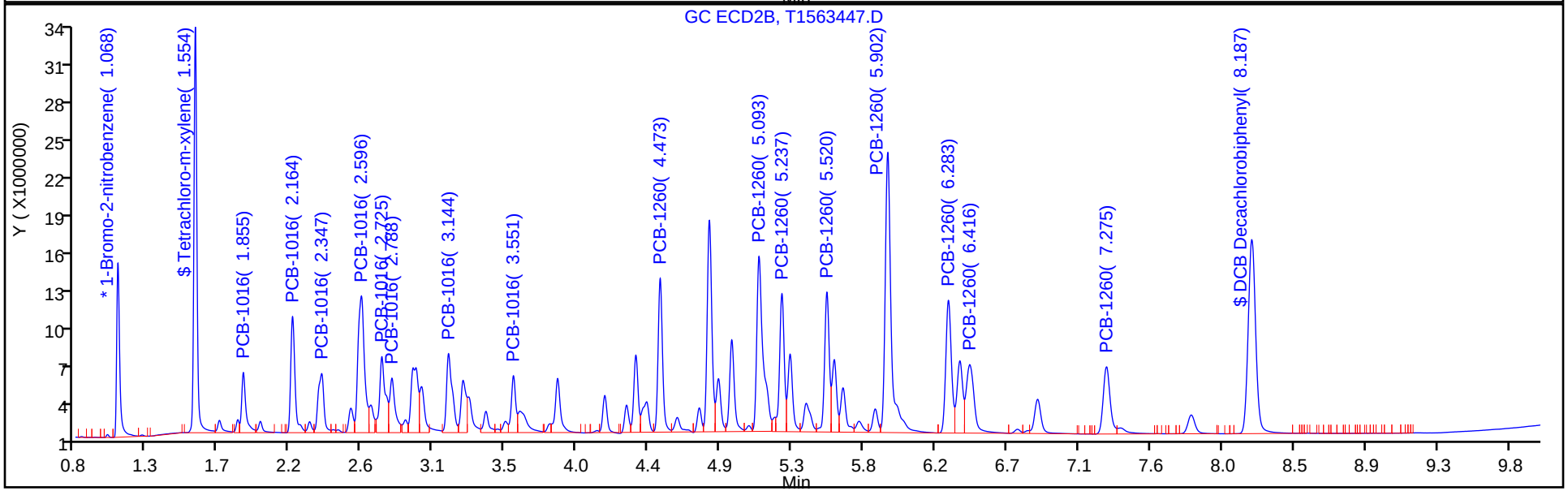
Lims ID: LCSD 460-635383/3-A Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD





FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 460-635383/3-A
Matrix: Solid
Lab File ID: T1563447.D
Analysis Method: 8082A
Date Collected:
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 08:28
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP
ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.352		0.067	0.0089
11096-82-5	Aroclor 1260	0.407		0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.759		0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		53-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563447.D
Lims ID: LCSD 460-635383/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 28-Aug-2019 08:28:29 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11

Method: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 28-Aug-2019 11:06:39 Calib Date: 17-Jun-2019 20:10:39
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CPESTGC11\20190617-92977.b\T1561085.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX0305

First Level Reviewer: guhas Date: 28-Aug-2019 09:06:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.068	1.069	-0.001	22256493	20.0	20.0	
2	1.068	1.067	0.001	18230049	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	1.677	1.678	-0.001	46260841	50.0	43.4	
2	1.554	1.553	0.001	41983986	50.0	50.0	M
						RPD = 14.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.125	2.126	-0.001	9043313	500.0	453.8	
1	2.523	2.523	0.000	18213082	500.0	451.2	
1	2.990	2.990	0.000	37661592	500.0	438.8	
1	3.131	3.131	0.000	15539772	500.0	435.3	
1	3.240	3.240	0.000	11534688	500.0	536.3	
1	3.648	3.647	0.001	13051875	500.0	467.1	
1	3.780	3.780	0.000	15764375	500.0	481.3	
1	4.121	4.121	0.000	11809688	500.0	439.1	
		Average of Peak Amounts =				462.9	
2	1.855	1.854	0.001	8806269	500.0	528.9	M
2	2.164	2.163	0.001	16917877	500.0	564.7	M
2	2.347	2.346	0.001	11579335	500.0	547.3	M
2	2.596	2.595	0.001	30091829	500.0	485.9	M
2	2.725	2.723	0.002	14888311	500.0	538.8	M
2	2.788	2.785	0.003	9992674	500.0	547.7	M
2	3.144	3.142	0.002	15436244	500.0	543.5	M
2	3.551	3.550	0.001	8370683	500.0	465.3	M
		Average of Peak Amounts =				527.8	
						RPD = 13.10	
8 PCB-1260							M
1	4.912	4.914	-0.002	12400452	500.0	517.6	
1	5.095	5.096	-0.001	26074395	500.0	447.0	
1	5.350	5.351	-0.001	29844484	500.0	457.8	
1	5.909	5.910	-0.001	23758546	500.0	564.6	
1	6.316	6.317	-0.001	24939423	500.0	560.4	
1	6.725	6.725	0.000	57196167	500.0	542.0	
1	7.328	7.329	-0.001	42221086	500.0	537.3	
1	8.475	8.476	-0.001	18615611	500.0	648.7	
		Average of Peak Amounts =				534.4	
2	4.473	4.472	0.001	23024791	500.0	541.6	M
2	5.093	5.091	0.002	37626360	500.0	472.2	M
2	5.237	5.235	0.002	21645519	500.0	624.8	
2	5.520	5.518	0.002	22228629	500.0	614.6	
2	5.902	5.900	0.002	57106468	500.0	676.3	
2	6.283	6.280	0.003	25335037	500.0	532.3	
2	6.416	6.416	0.000	18370136	500.0	713.3	
2	7.275	7.273	0.002	15760718	500.0	710.9	
		Average of Peak Amounts =				610.8	
						RPD = 13.33	
$ 11 DCB Decachlorobiphenyl							
1	9.660	9.659	0.001	47959094	50.0	50.7	
2	8.187	8.185	0.002	49668092	50.0	54.0	
						RPD = 6.37	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00014	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 28-Aug-2019 11:07:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563447.D

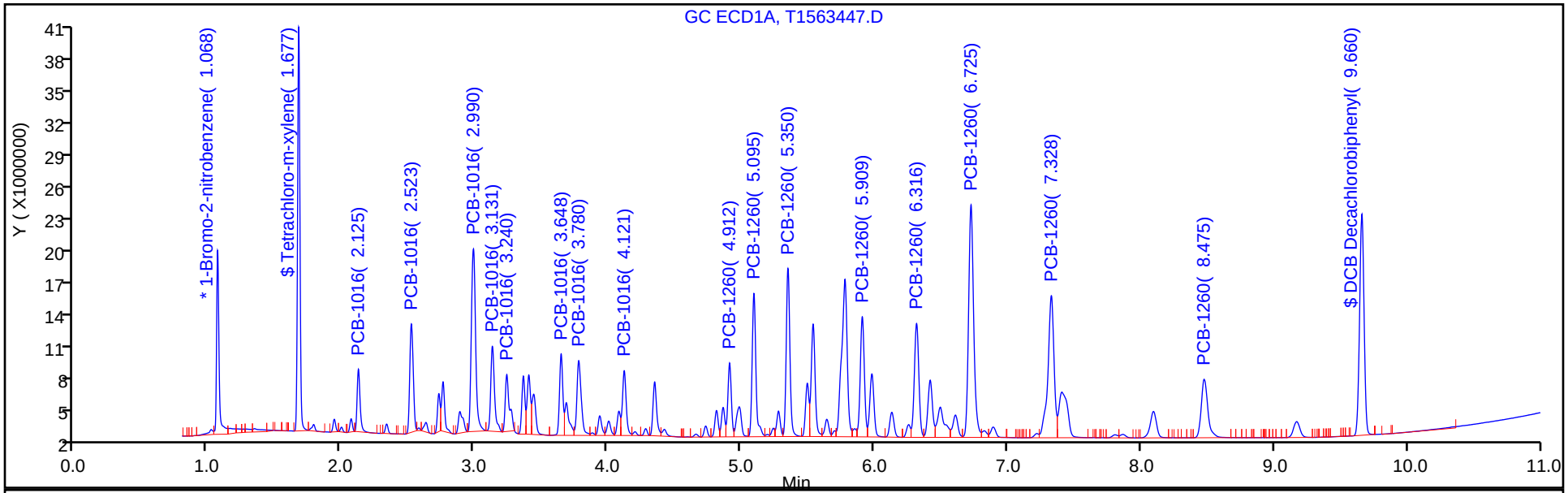
Injection Date: 28-Aug-2019 08:28:29 Instrument ID: CPESTGC11 Operator ID:

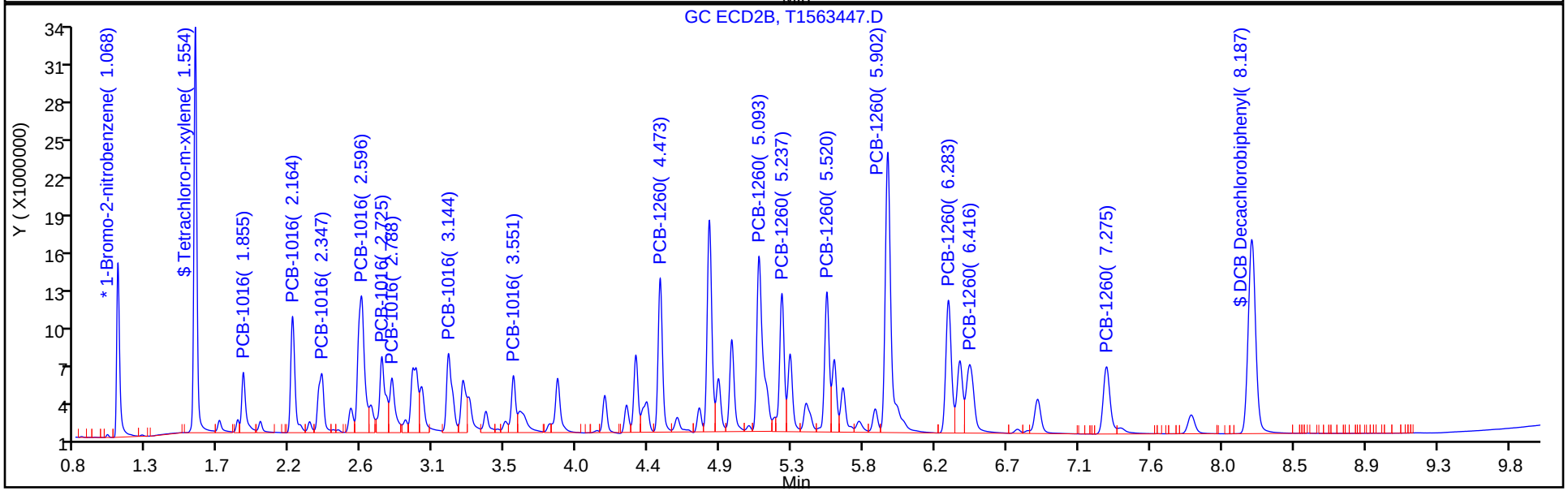
Lims ID: LCSD 460-635383/3-A Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD



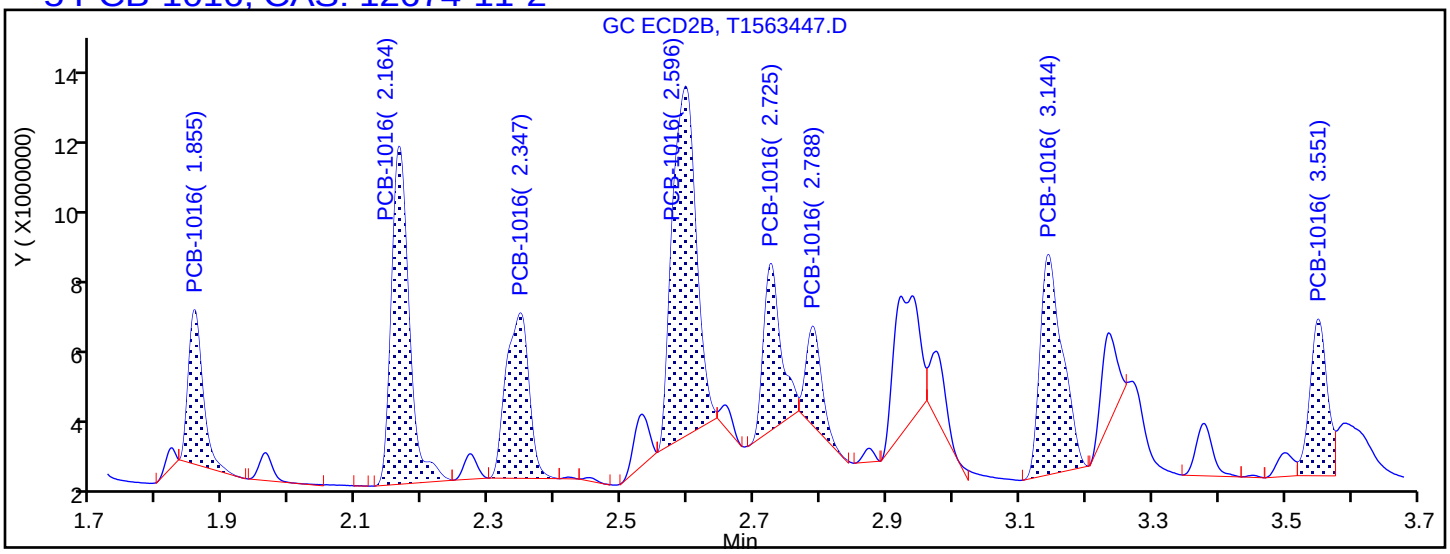


Report Date: 28-Aug-2019 11:07:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

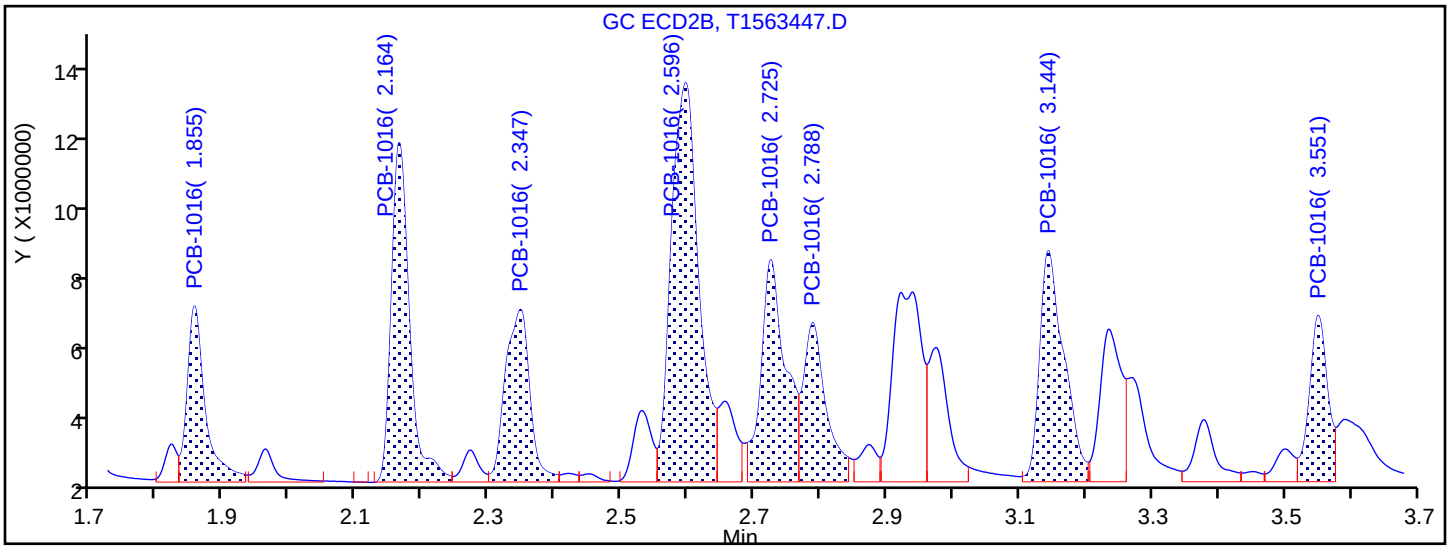
Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563447.D
Injection Date: 28-Aug-2019 08:28:29 Instrument ID: CPESTGC11
Lims ID: LCSD 460-635383/3-A
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

1.855	Response = 6173929
2.164	Response = 16448714
2.347	Response = 10341626
2.596	Response = 22910172
2.725	Response = 7947179
2.788	Response = 4240283
3.144	Response = 13519690
3.551	Response = 7491819



Manual Integration Results

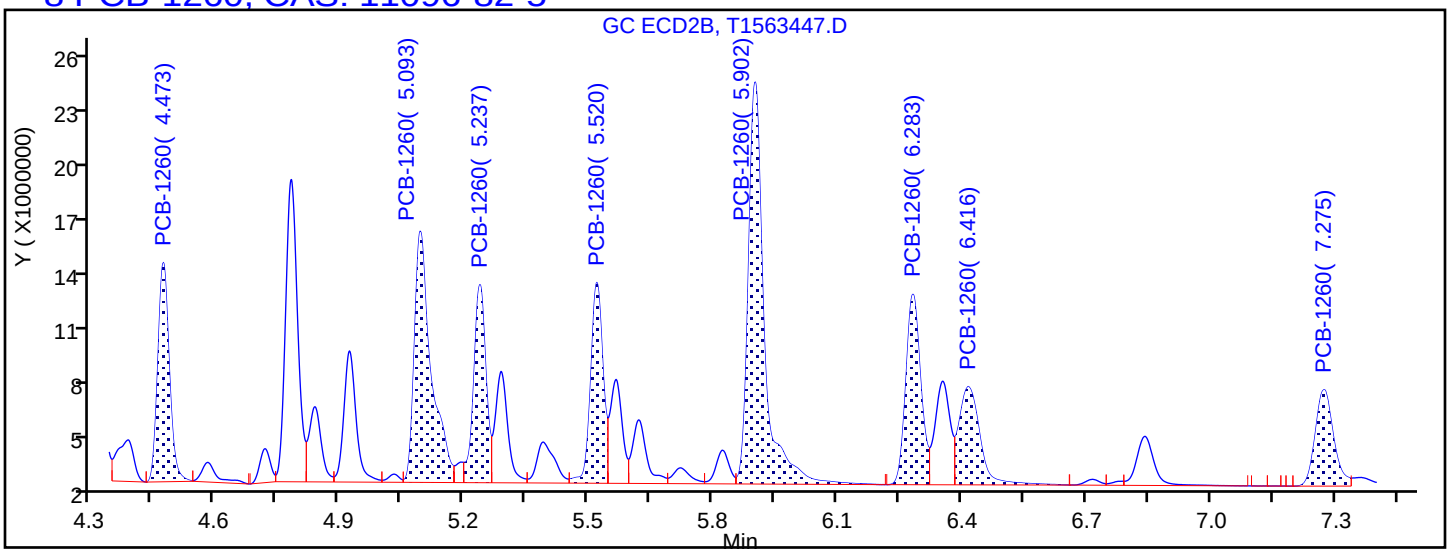
1.855	Response = 8806269	M
2.164	Response = 16917877	M
2.347	Response = 11579335	M
2.596	Response = 30091829	M
2.725	Response = 14888311	M
2.788	Response = 9992674	M

Report Date: 28-Aug-2019 11:07:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

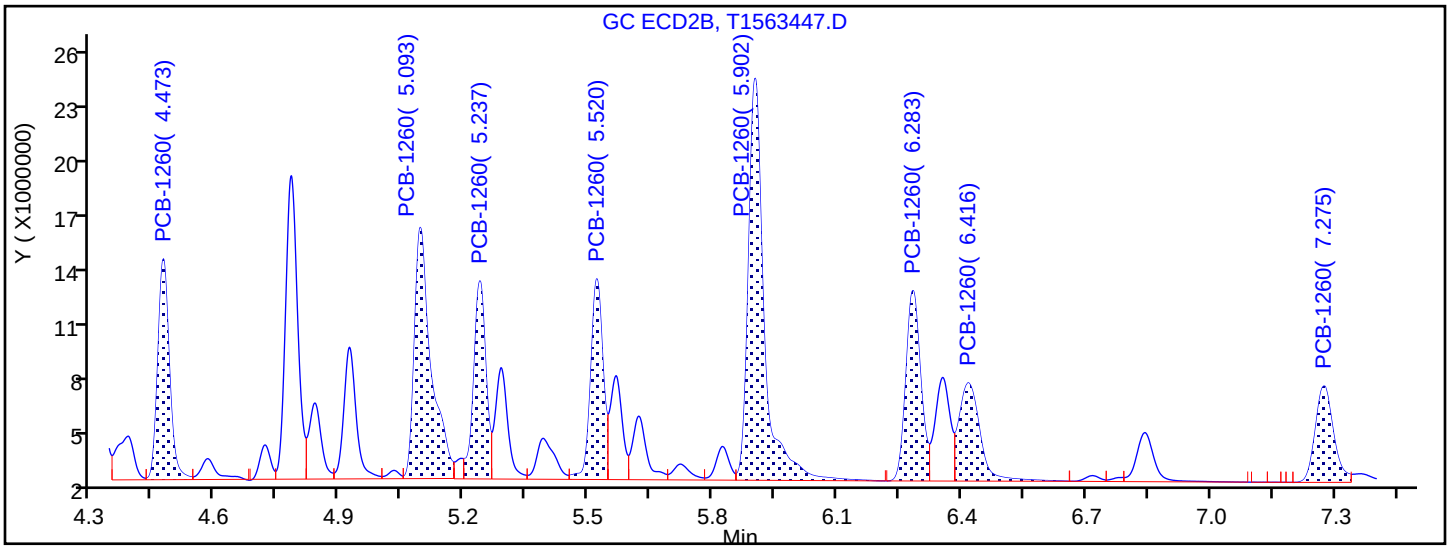
Data File: \\chromna\Edison\ChromData\CPESTGC11\20190828-96755.b\T1563447.D
Injection Date: 28-Aug-2019 08:28:29 Instrument ID: CPESTGC11
Lims ID: LCSD 460-635383/3-A
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.473	Response = 22400126
5.093	Response = 37672812
5.237	Response = 21645519
5.520	Response = 22228629
5.902	Response = 57106468
6.283	Response = 25335037
6.416	Response = 18370136
7.275	Response = 15760718



Manual Integration Results

4.473	Response = 23024791	M
5.093	Response = 37626360	M
5.237	Response = 21645519	
5.520	Response = 22228629	
5.902	Response = 57106468	
6.283	Response = 25335037	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD01-08272019 MS
Lab Sample ID: 460-189937-1 MS
Matrix: Solid
Lab File ID: T1563455.D
Analysis Method: 8082A
Date Collected: 08/27/2019 12:50
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 11:05
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 3.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.312*		*0.070*	*0.0092*
11104-28-2	*Aroclor 1221*	*0.0092*	*U*	*0.070*	*0.0092*
11141-16-5	*Aroclor 1232*	*0.0092*	*U*	*0.070*	*0.0092*
53469-21-9	*Aroclor 1242*	*0.0092*	*U*	*0.070*	*0.0092*
12672-29-6	*Aroclor 1248*	*0.0092*	*U*	*0.070*	*0.0092*
11097-69-1	*Aroclor 1254*	*0.0095*	*U*	*0.070*	*0.0095*
11096-82-5	*Aroclor 1260*	*0.324*		*0.070*	*0.0095*
37324-23-5	*Aroclor-1262*	*0.0095*	*U*	*0.070*	*0.0095*
11100-14-4	*Aroclor 1268*	*0.0095*	*U*	*0.070*	*0.0095*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.636*		*0.070*	*0.0095*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90		53-150

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD01-08272019 MS
Lab Sample ID: 460-189937-1 MS
Matrix: Solid
Lab File ID: T1563455.D
Analysis Method: 8082A
Date Collected: 08/27/2019 12:50
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 11:05
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 3.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.349		0.070	0.0092
11104-28-2	Aroclor 1221	0.0092	U	0.070	0.0092
11141-16-5	Aroclor 1232	0.0092	U	0.070	0.0092
53469-21-9	Aroclor 1242	0.0092	U	0.070	0.0092
12672-29-6	Aroclor 1248	0.0092	U	0.070	0.0092
11097-69-1	Aroclor 1254	0.0095	U	0.070	0.0095
11096-82-5	Aroclor 1260	0.416		0.070	0.0095
37324-23-5	Aroclor-1262	0.0095	U	0.070	0.0095
11100-14-4	Aroclor 1268	0.0095	U	0.070	0.0095
1336-36-3	Polychlorinated biphenyls, Total	0.765		0.070	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		53-150

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD01-08272019 MSD
Lab Sample ID: 460-189937-1 MSD
Matrix: Solid
Lab File ID: T1563456.D
Analysis Method: 8082A
Date Collected: 08/27/2019 12:50
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 11:23
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 3.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.318*		*0.070*	*0.0092*
11104-28-2	*Aroclor 1221*	*0.0092*	*U*	*0.070*	*0.0092*
11141-16-5	*Aroclor 1232*	*0.0092*	*U*	*0.070*	*0.0092*
53469-21-9	*Aroclor 1242*	*0.0092*	*U*	*0.070*	*0.0092*
12672-29-6	*Aroclor 1248*	*0.0092*	*U*	*0.070*	*0.0092*
11097-69-1	*Aroclor 1254*	*0.0095*	*U*	*0.070*	*0.0095*
11096-82-5	*Aroclor 1260*	*0.335*		*0.070*	*0.0095*
37324-23-5	*Aroclor-1262*	*0.0095*	*U*	*0.070*	*0.0095*
11100-14-4	*Aroclor 1268*	*0.0095*	*U*	*0.070*	*0.0095*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.653*		*0.070*	*0.0095*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		53-150

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-189937-1
SDG No.:
Client Sample ID: WP-PAD01-08272019 MSD
Lab Sample ID: 460-189937-1 MSD
Matrix: Solid
Lab File ID: T1563456.D
Analysis Method: 8082A
Date Collected: 08/27/2019 12:50
Extraction Method: 3546
Date Extracted: 08/27/2019 21:39
Sample wt/vol: 15.00(g)
Date Analyzed: 08/28/2019 11:23
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: Rtx-CLP ID: 0.53(mm)
% Moisture: 3.6
GPC Cleanup:(Y/N) N
Analysis Batch No.: 635460
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.374		0.070	0.0092
11104-28-2	Aroclor 1221	0.0092	U	0.070	0.0092
11141-16-5	Aroclor 1232	0.0092	U	0.070	0.0092
53469-21-9	Aroclor 1242	0.0092	U	0.070	0.0092
12672-29-6	Aroclor 1248	0.0092	U	0.070	0.0092
11097-69-1	Aroclor 1254	0.0095	U	0.070	0.0095
11096-82-5	Aroclor 1260	0.424		0.070	0.0095
37324-23-5	Aroclor-1262	0.0095	U	0.070	0.0095
11100-14-4	Aroclor 1268	0.0095	U	0.070	0.0095
1336-36-3	Polychlorinated biphenyls, Total	0.798		0.070	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		53-150

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 06/17/2019 16:26

Analysis Batch Number: 618192 End Date: 06/17/2019 20:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/17/2019 16:26	1		CLP-2 0.53(mm)
ZZZZZ		06/17/2019 16:26	1		Rtx-CLP 0.53(mm)
IC 460-618192/2 ICIS		06/17/2019 16:44	1	T1561073.D	CLP-2 0.53(mm)
IC 460-618192/2 ICIS		06/17/2019 16:44	1	T1561073.D	Rtx-CLP 0.53(mm)
IC 460-618192/3		06/17/2019 17:01	1	T1561074.D	CLP-2 0.53(mm)
IC 460-618192/3		06/17/2019 17:01	1	T1561074.D	Rtx-CLP 0.53(mm)
IC 460-618192/4		06/17/2019 17:18	1	T1561075.D	CLP-2 0.53(mm)
IC 460-618192/4		06/17/2019 17:18	1	T1561075.D	Rtx-CLP 0.53(mm)
IC 460-618192/5		06/17/2019 17:35	1	T1561076.D	CLP-2 0.53(mm)
IC 460-618192/5		06/17/2019 17:35	1	T1561076.D	Rtx-CLP 0.53(mm)
IC 460-618192/6		06/17/2019 17:53	1	T1561077.D	CLP-2 0.53(mm)
IC 460-618192/6		06/17/2019 17:53	1	T1561077.D	Rtx-CLP 0.53(mm)
ICV 460-618192/7		06/17/2019 18:10	1		CLP-2 0.53(mm)
ICV 460-618192/7		06/17/2019 18:10	1		Rtx-CLP 0.53(mm)
IC 460-618192/8		06/17/2019 18:27	1	T1561079.D	CLP-2 0.53(mm)
IC 460-618192/8		06/17/2019 18:27	1	T1561079.D	Rtx-CLP 0.53(mm)
IC 460-618192/9		06/17/2019 18:44	1	T1561080.D	CLP-2 0.53(mm)
IC 460-618192/9		06/17/2019 18:44	1	T1561080.D	Rtx-CLP 0.53(mm)
IC 460-618192/10		06/17/2019 19:01	1	T1561081.D	CLP-2 0.53(mm)
IC 460-618192/10		06/17/2019 19:01	1	T1561081.D	Rtx-CLP 0.53(mm)
IC 460-618192/11		06/17/2019 19:19	1	T1561082.D	CLP-2 0.53(mm)
IC 460-618192/11		06/17/2019 19:19	1	T1561082.D	Rtx-CLP 0.53(mm)
IC 460-618192/12		06/17/2019 19:36	1	T1561083.D	CLP-2 0.53(mm)
IC 460-618192/12		06/17/2019 19:36	1	T1561083.D	Rtx-CLP 0.53(mm)
IC 460-618192/13		06/17/2019 19:53	1	T1561084.D	CLP-2 0.53(mm)
IC 460-618192/13		06/17/2019 19:53	1	T1561084.D	Rtx-CLP 0.53(mm)
IC 460-618192/14		06/17/2019 20:10	1	T1561085.D	CLP-2 0.53(mm)
IC 460-618192/14		06/17/2019 20:10	1	T1561085.D	Rtx-CLP 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 08/28/2019 06:26

Analysis Batch Number: 635460 End Date: 08/28/2019 13:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/28/2019 06:26	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 06:26	1		Rtx-CLP 0.53(mm)
CCVIS 460-635460/2		08/28/2019 06:43	1	T1563441.D	CLP-2 0.53(mm)
CCVIS 460-635460/2		08/28/2019 06:43	1	T1563441.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 07:00	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 07:00	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 07:17	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 07:17	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 07:34	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 07:34	1		Rtx-CLP 0.53(mm)
LCS 460-635383/2-A		08/28/2019 07:52	1	T1563445.D	CLP-2 0.53(mm)
LCS 460-635383/2-A		08/28/2019 07:52	1	T1563445.D	Rtx-CLP 0.53(mm)
MB 460-635383/1-A		08/28/2019 08:11	1	T1563446.D	CLP-2 0.53(mm)
MB 460-635383/1-A		08/28/2019 08:11	1	T1563446.D	Rtx-CLP 0.53(mm)
LCSD 460-635383/3-A		08/28/2019 08:28	1	T1563447.D	CLP-2 0.53(mm)
LCSD 460-635383/3-A		08/28/2019 08:28	1	T1563447.D	Rtx-CLP 0.53(mm)
460-189937-1		08/28/2019 08:45	1	T1563448.D	CLP-2 0.53(mm)
460-189937-1		08/28/2019 08:45	1	T1563448.D	Rtx-CLP 0.53(mm)
460-189937-2		08/28/2019 09:02	1	T1563449.D	CLP-2 0.53(mm)
460-189937-2		08/28/2019 09:02	1	T1563449.D	Rtx-CLP 0.53(mm)
460-189937-3		08/28/2019 09:20	1	T1563450.D	CLP-2 0.53(mm)
460-189937-3		08/28/2019 09:20	1	T1563450.D	Rtx-CLP 0.53(mm)
460-189937-4		08/28/2019 09:37	1	T1563451.D	CLP-2 0.53(mm)
460-189937-4		08/28/2019 09:37	1	T1563451.D	Rtx-CLP 0.53(mm)
460-189937-5		08/28/2019 09:54	1	T1563452.D	CLP-2 0.53(mm)
460-189937-5		08/28/2019 09:54	1	T1563452.D	Rtx-CLP 0.53(mm)
460-189937-6		08/28/2019 10:31	1	T1563453.D	CLP-2 0.53(mm)
460-189937-6		08/28/2019 10:31	1	T1563453.D	Rtx-CLP 0.53(mm)
460-189937-7		08/28/2019 10:48	1	T1563454.D	CLP-2 0.53(mm)
460-189937-7		08/28/2019 10:48	1	T1563454.D	Rtx-CLP 0.53(mm)
460-189937-1 MS		08/28/2019 11:05	1	T1563455.D	CLP-2 0.53(mm)
460-189937-1 MS		08/28/2019 11:05	1	T1563455.D	Rtx-CLP 0.53(mm)
460-189937-1 MSD		08/28/2019 11:23	1	T1563456.D	CLP-2 0.53(mm)
460-189937-1 MSD		08/28/2019 11:23	1	T1563456.D	Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 11:40	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 11:40	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 11:57	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 11:57	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 12:14	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 12:14	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 12:31	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 12:31	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 12:48	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 12:48	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 13:06	1		CLP-2 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 08/28/2019 06:26

Analysis Batch Number: 635460 End Date: 08/28/2019 13:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/28/2019 13:06	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 13:23	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 13:23	1		Rtx-CLP 0.53(mm)
ZZZZZ		08/28/2019 13:40	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 13:40	1		Rtx-CLP 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CPESTGC7 Start Date: 07/08/2019 10:15

Analysis Batch Number: 622994 End Date: 07/08/2019 15:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/08/2019 10:15	1		CLP-2 0.53(mm)
ZZZZZ		07/08/2019 10:15	1		CLP-1 0.53(mm)
IC 460-622994/2 ICIS		07/08/2019 10:39	1	7R005865.D	CLP-2 0.53(mm)
IC 460-622994/2 ICIS		07/08/2019 10:39	1	7R005865.D	CLP-1 0.53(mm)
IC 460-622994/3		07/08/2019 11:03	1	7R005866.D	CLP-2 0.53(mm)
IC 460-622994/3		07/08/2019 11:03	1	7R005866.D	CLP-1 0.53(mm)
IC 460-622994/4		07/08/2019 11:26	1	7R005867.D	CLP-2 0.53(mm)
IC 460-622994/4		07/08/2019 11:26	1	7R005867.D	CLP-1 0.53(mm)
IC 460-622994/5		07/08/2019 11:50	1	7R005868.D	CLP-2 0.53(mm)
IC 460-622994/5		07/08/2019 11:50	1	7R005868.D	CLP-1 0.53(mm)
IC 460-622994/6		07/08/2019 12:14	1	7R005869.D	CLP-2 0.53(mm)
IC 460-622994/6		07/08/2019 12:14	1	7R005869.D	CLP-1 0.53(mm)
ICV 460-622994/7		07/08/2019 12:38	1		CLP-2 0.53(mm)
ICV 460-622994/7		07/08/2019 12:38	1		CLP-1 0.53(mm)
IC 460-622994/8		07/08/2019 13:01	1	7R005871.D	CLP-2 0.53(mm)
IC 460-622994/8		07/08/2019 13:01	1	7R005871.D	CLP-1 0.53(mm)
IC 460-622994/9		07/08/2019 13:25	1	7R005872.D	CLP-2 0.53(mm)
IC 460-622994/9		07/08/2019 13:25	1	7R005872.D	CLP-1 0.53(mm)
IC 460-622994/10		07/08/2019 13:49	1	7R005873.D	CLP-2 0.53(mm)
IC 460-622994/10		07/08/2019 13:49	1	7R005873.D	CLP-1 0.53(mm)
IC 460-622994/11		07/08/2019 14:13	1	7R005874.D	CLP-2 0.53(mm)
IC 460-622994/11		07/08/2019 14:13	1	7R005874.D	CLP-1 0.53(mm)
IC 460-622994/12		07/08/2019 14:37	1	7R005875.D	CLP-2 0.53(mm)
IC 460-622994/12		07/08/2019 14:37	1	7R005875.D	CLP-1 0.53(mm)
IC 460-622994/13		07/08/2019 15:01	1	7R005876.D	CLP-2 0.53(mm)
IC 460-622994/13		07/08/2019 15:01	1	7R005876.D	CLP-1 0.53(mm)
IC 460-622994/14		07/08/2019 15:24	1	7R005877.D	CLP-2 0.53(mm)
IC 460-622994/14		07/08/2019 15:24	1	7R005877.D	CLP-1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: CPESTGC7 Start Date: 08/28/2019 06:24

Analysis Batch Number: 635463 End Date: 08/28/2019 13:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/28/2019 06:24	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 06:24	1		CLP-1 0.53(mm)
CCVIS 460-635463/2		08/28/2019 06:48	1	7R007574.D	CLP-2 0.53(mm)
CCVIS 460-635463/2		08/28/2019 06:48	1	7R007574.D	CLP-1 0.53(mm)
ZZZZZ		08/28/2019 07:11	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 07:11	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 07:34	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 07:34	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 07:58	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 07:58	1		CLP-1 0.53(mm)
MB 460-635331/1-A		08/28/2019 08:21	1	7R007578.D	CLP-2 0.53(mm)
MB 460-635331/1-A		08/28/2019 08:21	1	7R007578.D	CLP-1 0.53(mm)
LCS 460-635331/2-A		08/28/2019 08:45	1	7R007579.D	CLP-2 0.53(mm)
LCS 460-635331/2-A		08/28/2019 08:45	1	7R007579.D	CLP-1 0.53(mm)
LCSD 460-635331/3-A		08/28/2019 09:08	1	7R007580.D	CLP-2 0.53(mm)
LCSD 460-635331/3-A		08/28/2019 09:08	1	7R007580.D	CLP-1 0.53(mm)
ZZZZZ		08/28/2019 09:31	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 09:31	1		CLP-1 0.53(mm)
460-189937-8		08/28/2019 09:55	1	7R007582.D	CLP-2 0.53(mm)
460-189937-8		08/28/2019 09:55	1	7R007582.D	CLP-1 0.53(mm)
ZZZZZ		08/28/2019 10:18	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 10:18	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 10:42	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 10:42	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 11:05	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 11:05	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 11:29	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 11:29	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 11:52	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 11:52	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 12:15	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 12:15	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 12:39	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 12:39	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 13:02	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 13:02	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 13:26	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 13:26	1		CLP-1 0.53(mm)
ZZZZZ		08/28/2019 13:49	1		CLP-2 0.53(mm)
ZZZZZ		08/28/2019 13:49	1		CLP-1 0.53(mm)

8082A

PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Batch Number: 635331 Batch Start Date: 08/27/19 17:11 Batch Analyst: Fernando, Ashani T

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	OP_PCB SP_LVI 00016	OPPSPCBSU_LVI 00017	
MB 460-635331/1		3510C, 8082A		250 mL	1 mL	7 SU		50 uL	
LCS 460-635331/2		3510C, 8082A		250 mL	1 mL	7 SU	50 uL	50 uL	
LCSD 460-635331/3		3510C, 8082A		250 mL	1 mL	7 SU	50 uL	50 uL	
460-189937-D-8	WP-FB-08272019	3510C, 8082A	T	250 mL	1 mL	5 SU		50 uL	

Batch Notes	
Acid Used for pH Adjustment ID	186983
Batch Comment	8082 PCB water
Concentration 1 Corrected Temperature	37 Degrees C
Exchange Solvent ID	Hexane 225832
Analyst ID - Extraction	AF
Method/Fraction	8082 PCB water
Prep Solvent ID	MeCL2 232081
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	AF
Concentration 1 Uncorrected Temperature	37 Degrees C

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.

PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Batch Number: 635383 Batch Start Date: 08/27/19 21:39 Batch Analyst: Alinea, Archilles R

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_PCBSP 00038	OPPSTPCBSURR 00015		
MB 460-635383/1		3546, 8082A		15.00 g	10 mL		50 uL		
LCS 460-635383/2		3546, 8082A		15.00 g	10 mL	50 uL	50 uL		
LCSD 460-635383/3		3546, 8082A		15.00 g	10 mL	50 uL	50 uL		
460-189937-A-1 MS	WP-PAD01-08272019	3546, 8082A	T	15.00 g	10 mL	50 uL	50 uL		
460-189937-A-1 MSD	WP-PAD01-08272019	3546, 8082A	T	15.00 g	10 mL	50 uL	50 uL		
460-189937-A-1	WP-PAD01-08272019	3546, 8082A	T	15.00 g	10 mL		50 uL		
460-189937-A-2	WP-PAD02-08272019	3546, 8082A	T	15.00 g	10 mL		50 uL		
460-189937-A-3	WP-PAD03-08272019	3546, 8082A	T	15.00 g	10 mL		50 uL		
460-189937-A-4	WP-PAD04-08272019	3546, 8082A	T	15.00 g	10 mL		50 uL		
460-189937-A-5	WP-PAD05-08272019	3546, 8082A	T	15.00 g	10 mL		50 uL		
460-189937-A-6	WP-PAD06-08272019	3546, 8082A	T	15.00 g	10 mL		50 uL		
460-189937-A-7	WP-PAD07-08272019	3546, 8082A	T	15.00 g	10 mL		50 uL		

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.

PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Batch Number: 635383 Batch Start Date: 08/27/19 21:39 Batch Analyst: Alinea, Archilles R

Batch Method: 3546 Batch End Date:

Batch Notes	
Balance ID	12
Batch Comment	PCB SOIL
Blank Matrix ID	177561
Analyst ID - Concentration	AA
Concentration 1 Corrected Temperature	37 Degrees C
Equipment ID - Concentration 1	31869
Analyst ID - Extraction	AA
Method/Fraction	3546/8082
Microwave Oven ID	MD1952
Na2SO4 ID	178434
Prep Solvent ID	Hexane: 225832 / Acetone: 216864 / MeCl2: 232547
Analyst ID - Spike Analyst	AA
Sulfur Removal Reagent ID	189631
Concentration 1 Uncorrected Temperature	37 Degrees C

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: Eurofins TestAmerica, Edison Job Number: 460-189937-1

SDG No.:

Project: Hatco - Woodbridge Pond

Client Sample ID	Lab Sample ID
WP-PAD01-08272019	460-189937-1
WP-PAD02-08272019	460-189937-2
WP-PAD03-08272019	460-189937-3
WP-PAD04-08272019	460-189937-4
WP-PAD05-08272019	460-189937-5
WP-PAD06-08272019	460-189937-6
WP-PAD07-08272019	460-189937-7

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-189937-1

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: Eurofins TestAmerica, Edison Job Number: 460-189937-1

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: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/27/2019 15:26 End Date: 08/27/2019 15:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			15:26																				
ZZZZZZ			15:26																				
460-189940-A-12 DU	1	T	15:26	X	X																		
ZZZZZZ			15:26																				
ZZZZZZ			15:26																				
ZZZZZZ			15:26																				
ZZZZZZ			15:26																				
ZZZZZZ			15:26																				
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ZZZZZZ			15:26																				
ZZZZZZ			15:26																				
ZZZZZZ			15:26																				
ZZZZZZ			15:26																				
460-189937-1	1	T	15:26	X	X																		
460-189937-2	1	T	15:26	X	X																		
460-189937-3	1	T	15:26	X	X																		
460-189937-4	1	T	15:26	X	X																		
460-189937-5	1	T	15:26	X	X																		
460-189937-6	1	T	15:26	X	X																		
460-189937-7	1	T	15:26	X	X																		
ZZZZZZ			15:26																				

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-189937-1

SDG No.:

Batch Number: 635294 Batch Start Date: 08/27/19 15:26 Batch Analyst: Crocco, Michael

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-189940-A-12 DU		Moisture	T	3	1.04 g	7.07 g	6.40 g		
460-189937-A-1	WP-PAD01-08272019	Moisture	T	15	1.04 g	6.82 g	6.61 g		
460-189937-A-2	WP-PAD02-08272019	Moisture	T	16	1.07 g	7.30 g	7.08 g		
460-189937-A-3	WP-PAD03-08272019	Moisture	T	17	1.04 g	7.97 g	7.69 g		
460-189937-A-4	WP-PAD04-08272019	Moisture	T	18	1.04 g	6.38 g	6.20 g		
460-189937-A-5	WP-PAD05-08272019	Moisture	T	19	1.10 g	6.86 g	6.68 g		
460-189937-A-6	WP-PAD06-08272019	Moisture	T	20	1.04 g	7.37 g	7.16 g		
460-189937-A-7	WP-PAD07-08272019	Moisture	T	21	1.05 g	6.58 g	6.40 g		

Batch Notes	
Balance ID	104
Date samples were placed in the oven	08/27/2019
Oven Temp In	95 Degrees C
Time samples were place in the oven	15:42
Date samples were removed from oven	08/28/2019
Oven Temp Out	97 Degrees C
Time Samples were removed from oven	06:02
Oven ID	2
Thermometer ID	181079
Temperature - Start - Uncorrected	100 Degrees C
Temperature - End - Uncorrected	97 Degrees C

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.

Shipping and Receiving Documents

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	**Sampler:** ~~Aaron Roppoli~~ Eliel Lucero	**Lab PM:** Patricia Grielo	**Carrier Tracking No(s):**	**COC No:**
Client Contact: Jason Schindler	**Phone:** 732-593-2507	**E-Mail:**		**Page:** 1 of 1
Company: Weston Solutions Inc				**Job #:** 189937
Address: 205 Campus Dr	**Due Date Requested:**			**Preservation Codes:**
City: Edison	**TAT Requested (days):** 24 hour			
State, Zip: NJ 08837				
Phone: 732-417-5804	**PO #:** 0099865			
Email: jason.schindler@westonsolutions.com	**WO #:**			
Project Name: Hatco	**Project #:** 13067.001.004.6005			
Site: Woodbridge Pond	**SSOW#:**			

Analysis Requested

- PCBs (SW-846 3510C/8082A/7663A)
- BEHP (SW-846 3550C/8270D/7606A)

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	No of containers	Matrix	PCBs (SW-846 3510C/8082A/7663A)	BEHP (SW-846 3550C/8270D/7606A)	Special Instructions/Note:
WP-PAD01-08272019	8-27-19	1250	1	Soil	X	X	-1
WP-PAD02-08272019	↓	1255	1	↓	X	X	-2
WP-PAD03-08272019		1300	1		X	X	-3
WP-PAD04-08272019		1305	1		X	X	-4
WP-PAD05-08272019		1310	1		X	X	-5
WP-PAD06-08272019		1315	1		X	X	-6
WP-PAD07-08272019		1320	1	↓	X	X	-7
WP-FB-08272019	↓	1325	4	W	X	X	-8

460-189937 Chain of Custody

Comments

Special Instructions/QC Requirements:

Relinquished by: Eliel Lucero	Date/Time: 08/27/19 1355	Company: Weston	Received by:	Date/Time: 8/27/19 1355	Company: TA Edison
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: NO 05	Cooler Temperature(s) °C and Other Remarks: 3.0°C IR#9

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 189937

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.0 °C	3.0 °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

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: AL **Date:** 8/27/19

EDS-WI-038, Rev 4, 06/09/2014

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 460-189937-1

Login Number: 189937
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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	
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 <6mm (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	