DUFFIELD ASSOCIATES
Soil, Water & the Environment

Duffield Associates, Inc.
5400 Limestone Road
Wilmington, DE 19808
Phone: 302.239.6634
Fax: 302.239.8485
duffnet.com

December 6, 2019

Via Electronic Mail

State of Delaware
Department of Natural Resources and Environmental Control
Compliance and Permitting Section
391 Lukens Drive
New Castle, DE 19720

c/o Ms. Suzanne Halter, Project Officer

RE: Project No**.** 12445.EB
UST Closure Report
Rite Aid Site – Facility ID# 3-003425
801 N. Market Street
Wilmington, Delaware

Dear Ms. Halter:

Duffield Associates, Inc. (Duffield) has prepared this Closure Report to summarize the closure-in-place of one regulated 2,000-gallon underground storage tank (UST) at the Rite Aid Site, located at 801 N. Market Street, in Wilmington, Delaware (the "Property" or the "Site"). The Property is identified by the State of Delaware, Department of Natural Resources and Environmental Control – Compliance and Permitting Section (DNREC-CPS) as Facility #3-003425.

BACKGROUND INFORMATION

During recent environmental assessments conducted at the Property, evidence of a UST was observed along the rear of the building, on North Shipley Street. The UST was not known to be present by the owner and was not registered with DNREC-CPS. Therefore, a UST Closure Notification was submitted by Duffield on November 12, 2019, for the registration and closure-in-place notification of the UST.

Based on a geophysical assessment of the rear sidewalk area and a visual inspection of the basement of the building, the UST was found to be located within a vault. Due to the location and placement of the UST, Duffield submitted a Sampling Deviation Request to DNREC-CPS on November 12, 2019. Requested deviations from DNREC's "Notification and Soil Sampling Requirements for Closure In Place of Underground Storage Tank Systems" (Closure Requirements) included:

- The installation of two soil borings through the UST bottom as opposed to four soil borings along the exterior sides of the UST;
- Collection of grab soil samples only since no overburden soils for a composite soil sample would be encountered; and
- The exclusion of piping run samples, as the product and vent piping did not appear to extend underground through soil.

DNREC-CPS approved the Sampling Deviation Request by electronic correspondence on November 19, 2019 (Appendix A).

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UST CLOSURE

On December 2nd and 3rd, 2019, Duffield oversaw the closure-in-place of one 2,000-gallon UST at the above-referenced site (Figure 1 – Site Location Map). Photographs of the UST closure are included in Appendix B. The UST was closed-in-place by Coventry Environmental, Inc. (Coventry), DE UST Certification: #B0254. On December 2, 2019, the top of the UST was opened and the residual contents of the UST were pumped out. Although the UST was thought to contain #2 heating oil, upon visual inspection of the UST interior it appeared that the residual contents were more likely #6 fuel oil. A total of 263 gallons of oil/sludge were removed by Monarch Environmental, Inc. of Woodstown, New Jersey, and transported for recycling at Monarch's facility. A copy of the disposal voucher is included in Appendix C.

Duffield then observed Coventry personnel perform confined-space entry into the vault and into the UST to complete cleaning of the UST interior and for the installation of two soil borings through the UST bottom. Coventry drilled two holes in the UST shell and utilized a hand auger to collect soil samples. Duffield personnel reviewed soils from each boring for indications of potential environmental impact, including petroleum staining or odors. A photoionization detector (PID) was used to screen the soils for indications of volatile organic compounds (VOCs). The PID recorded 0 to 0.7 deflection units during screening of soils.

On December 3, 2019, Duffield oversaw Coventry Environmental fill the UST with flowable fill provided by GFP Mobile Mix Supply of Newport, Delaware. A copy of the flowable fill voucher is included in Appendix D.

SOIL SAMPLING

Duffield collected a total of two soil samples, one from each soil boring, in accordance with the Sampling Deviation Request (Figure 2). One grab sample was collected from each soil boring from a depth of approximately 2 feet below the UST bottom.

The soil samples were submitted for laboratory analysis at Test America, Inc. in Edison, New Jersey (Test America) and were analyzed for DERBCAP Tier 0 and Tier 1 parameters including:

- Diesel range organics (DRO) by U.S. EPA SW-846 Method 8015B;
- Heavy range organics (HRO) by U.S. EPA SW-846 Method 8260; and
- Polycyclic Aromatic Hydrocarbons (PAHs) by U.S. EPA SW-846 Method 8270D.

The laboratory report is included as Appendix E. Analytical results are summarized in Table 1 (attached) and summarized below as follows:

- Soil Samples:
    - Detection of #2 Diesel Fuel was reported in one soil sample, B2-G1, at a concentration well below the DERBCAP Tier 0 Action Level of 1,000 mg/kg.
    - Detections of C10-C44 and C28-C44 were reported in one soil sample, B2-G1, however no DERBCAP Tier 0 Action Level is available for comparison.
    - PAHs were detected in one soil sample, B2-G1; however, none of the concentrations exceeded the DERBCAP Tier 1 Risk-Based Screening Levels (RBSLs) for soil partitioning/leaching to a groundwater ingestion pathway for a Point of Exposure greater than 500 feet away.

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CONCLUSIONS

In summary, no visible holes were observed in the UST shell, no visibly impacted soils were observed in soil borings installed through the UST bottom, and no visual evidence of a release was observed during the UST closure. Analytical testing of soil samples collected during the UST closure did not detect any analytes at concentrations above the DERBCAP Tier 0 Action Levels or Tier 1 RBSLs.

If you have any questions concerning this report or require further information, please do not hesitate to contact us.

Very truly yours,

DUFFIELD ASSOCIATES, INC.

Robert B. Smagala, Jr.
Project Geologist

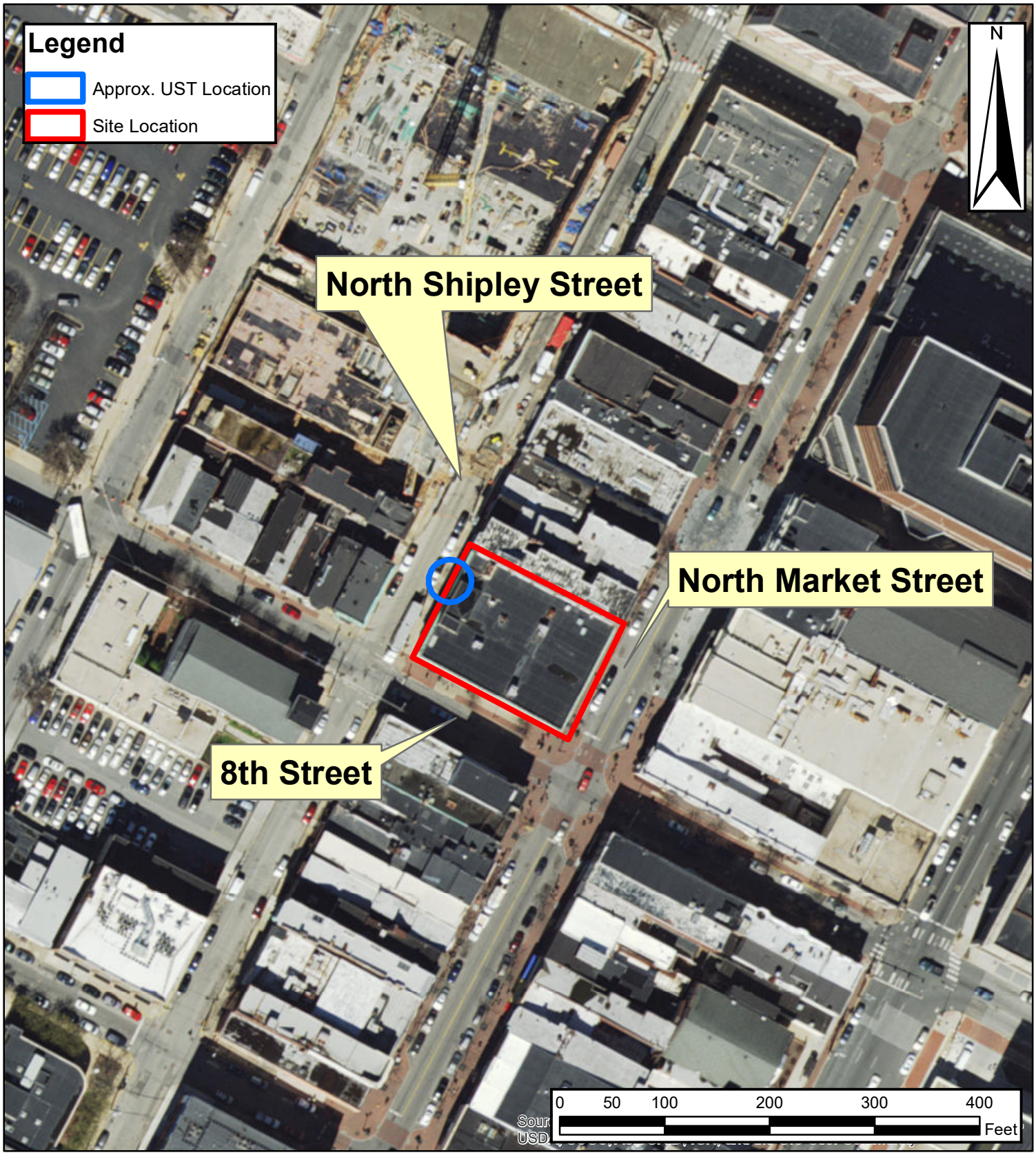
W. Andrews Jenkins, P.G.
Senior Project Manager

RBS/WAJ:acj
124445EB.1219-RITEAID_CLOSURE.RPT

cc: Robert Palmer – Rite Aid Corporation
Darryl D. Borrelli – Manko, Gold, Katcher & Fox LLP
Tony Alessandrini – Coventry Environmental, Inc.

Enclosures:
Figure 1: Site Location Map
Figure 2: Sample Locations Sketch
Table 1: Soil Sample Confirmatory Results
Appendix A: Sampling Deviation Approval Correspondence
Appendix B: Photographic Documentation
Appendix C: Oil Disposal Voucher
Appendix D: Flowable Fill Voucher
Appendix E: Laboratory Report

FIGURES



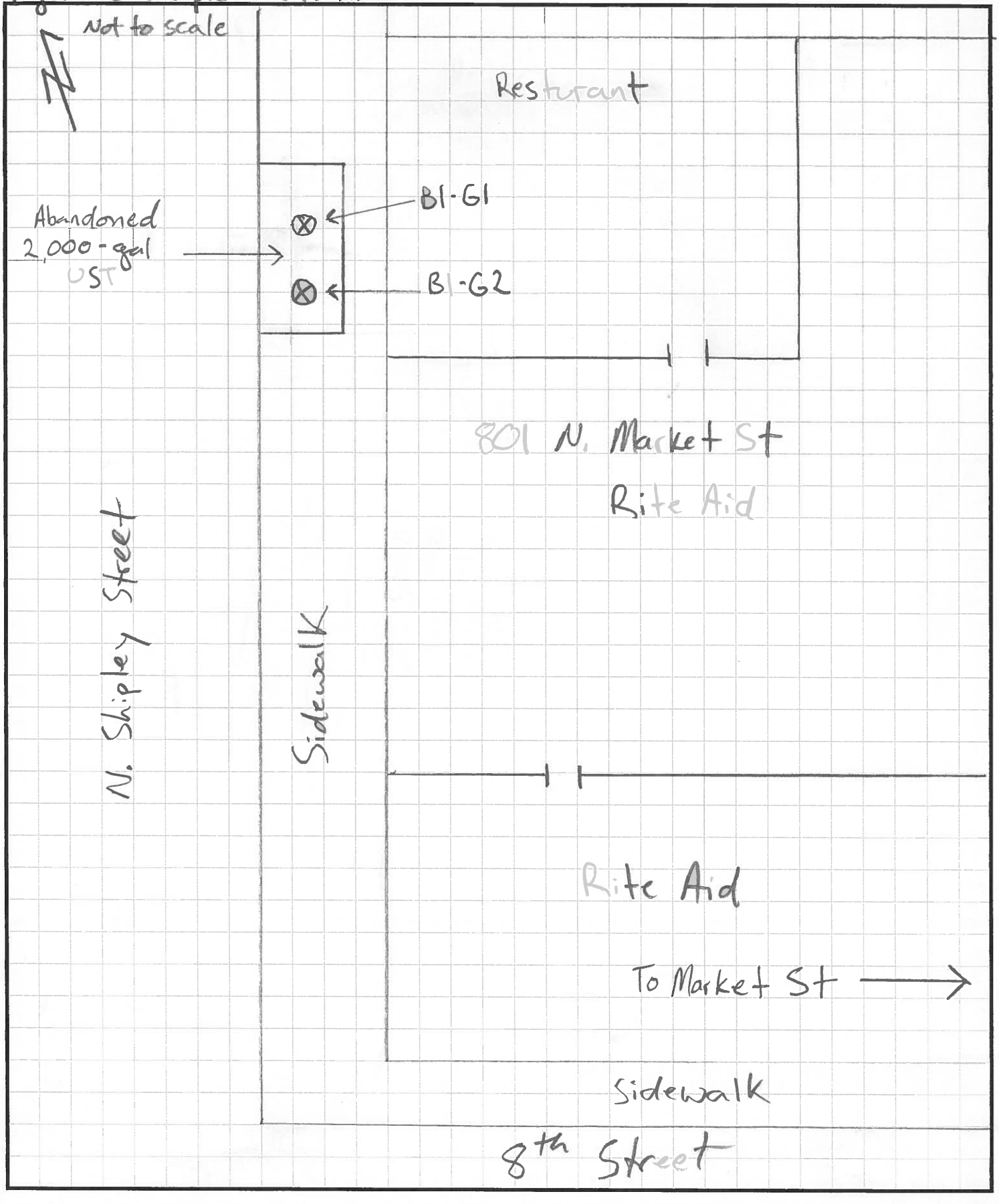
Date: 12/2019	**FIGURE 1 - SITE LOCATION MAP** **Rite Aid Site** **Facility ID # 3-003425** **801 N. Market Street** WILMINGTON~NEW CASTLE COUNTY~DELAWARE	DESIGNED BY: RBS	DUFFIELD ASSOCIATES Soil, Water & the Environment 5400 LIMESTONE ROAD WILMINGTON, DE 19808-1232 TEL. (302)239-6634 FAX (302)239-8485 OFFICES IN PENNSYLVANIA, SOUTHERN DELAWARE, MARYLAND AND NEW JERSEY EMAIL: DUFFIELD@DUFFNET.COM
SCALE: AS SHOWN		DRAWN BY: RBS	
PROJECT NO. 12445.EB		CHECKED BY: WAJ	
SHEET: Figure 1 of 2		12445.EB-Figure_1	

DUFFIELD ASSOCIATES
Soil, Water & the Environment

Offices in DE, PA, NJ and MD
Wilmington (302) 239-6634

PROJECT NO. 12445.EB
PROJECT NAME Rite Aid UST Closure
SHEET NO. 1 OF 1
CALCULATED BY RBS DATE 12/4/19
CHECKED BY _____ DATE _____

Figure 2: Sample Locations



TABLE

Table 1: Soil Sample Confirmatory Results
Rite Aid Site - Facility ID# 3-003425
801 N. Market Street
Wilmington, Delaware

Sample Identification	B1-G1		B2-G1		DERBCAP Tier 0 Action Levels	DERBCAP Tier 1 RBSLs SOILgw POE > 500 ft
Lab Sample ID	460-197843-1		460-197843-2			
Sample Date	12/2/2019		12/2/2019			
Sample Time	11:00		11:15			
Diesel Range Organics (DRO) by 8015D (mg/kg)						
#2 Diesel Fuel	0.90	U	54		**1000**	**NA**
HRO by 8015D (mg/kg)						
C10-C44	0.90	U	100		**NA**	**NA**
C28-C44	0.90	U	50		**NA**	**NA**
Polycyclic Aromatic Hydrocarbons (PAHs) by 8270D (mg/kg)						
Acenaphthene	0.026	U	0.14	J	**NA**	**>280**
Acenaphthylene	0.0037	U	0.033	J	**NA**	**NA**
Anthracene	0.011	U	0.51		**NA**	**>6.4**
Benzo[a]anthracene	0.012	U	1.5		**NA**	**>79**
Benzo[a]pyrene	0.0094	U	1.1		**NA**	**>17**
Benzo[b]fluoranthene	0.0091	U	1.6		**NA**	**>81**
Benzo[g,h,i]perylene	0.010	U	0.63		**NA**	**NA**
Benzo[k]fluoranthene	0.0069	U	0.62		**NA**	**>24**
Chrysene	0.006	U	1.4		**NA**	**>3.6**
Dibenz(a,h)anthracene	0.015	U	0.21		**NA**	**NA**
Fluoranthene	0.012	U	2.6		**NA**	**>78**
Fluorene	0.0048	U	0.15	J	**NA**	**>120**
Indeno[1,2,3-cd]pyrene	0.014	U	0.82		**NA**	**>21000**
Naphthalene	0.0061	U	0.041	J	**NA**	**>620**
Phenanthrene	0.0062	U	2.0		**NA**	**>230**
Pyrene	0.0088	U	2.7		**NA**	**>61**

Notes:
1. Action Levels and Risk Based Screening Levels (RBSLs) are taken from "Delaware's Risk-Based Corrective Action Program" (DERBCAP), January 2000.
2. Abbreviations:
J: Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
mg/kg: milligrams per kilogram
NA: Not Available
POE: Point of exposure.
U: Indicates the analyte was analyzed for but not detected

This table is part of Duffield Associates' "UST Closure Report, Rite Aid Site, Wilmington, Delaware" and should only be viewed in that context.

APPENDIX A

SAMPLING DEVIATION REQUEST APPROVAL

From:	Halter, Suzanne (DNREC)
To:	Robert Smagala
Cc:	Andy Jenkins
Subject:	3-003425 Former Rite Aid - UST Closure Notification & Sampling Deviation Request Letter
Date:	Tuesday, November 19, 2019 9:32:00 AM
Attachments:	image001.jpg image002.png

Hi Bob,

Your request to deviate from the recommended sampling plan for UST closure in place has been granted as per the request submitted Wednesday November 13, 2019. Please be advised if site conditions change or groundwater is encountered the plan may require additional modification, in the event that occurs please contact me.

Suzanne Halter, CHMM
Environmental Scientist IV
(302) 395-2519 office
(302) 547-7290 cell
Suzanne.Halter@delaware.gov

May you always have Love to Share, Health to Spare, and Friends that Care- Love Generously, Live Simply, Laugh Daily and Care Deeply-Actions do speak louder than words!
The best and most beautiful things cannot be seen or touched - they must be felt with the heart ~ Helen Keller
A foolish consistency is the hobgoblin of little minds~Ralph Waldo Emerson

---

From: Robert Smagala [mailto:rsmagala@duffnet.com]
Sent: Wednesday, November 13, 2019 7:31 AM
To: Halter, Suzanne (DNREC) <Suzanne.Halter@delaware.gov>
Cc: Andy Jenkins <ajenkins@duffnet.com>
Subject: Former Rite Aid - UST Closure Notification & Sampling Deviation Request Letter

Hi Suzanne,

As we had previously discussed, we are planning to close-in-place a 2,000-gallon heating oil UST located at 801 N. Market St, Wilmington, Delaware (a former Rite Aid). Evidence of the UST was just recently discovered and the UST does not appear to be registered. Additionally, due to the location and placement of the UST we anticipate that several deviations from DNREC's closure requirements will be needed. Please see the attached Closure Notification Form and Sampling Deviation Request Letter for your review and approval.

The abandonment is being conducted as part of due diligence for a property transaction, and therefore we have scheduled the closure date for November 25, 2019. Please feel free to contact me or Andy if you have any questions.

Thank you,

Bob

Bob Smagala
Project Geologist

Duffield_Logo_2014_lines

"Enhancing our community one project at a time."

Duffield Associates, Inc.
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Wilmington, DE 19808
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www.duffnet.com
DE - PA - MD - NJ
A Women-Owned Business Enterprise

Please consider the environment before printing this E-Mail

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION
Rite Aid UST Closure – Facility ID# 3-003425

Photograph 1: View of UST location along North Shipley Street.

Photograph 2: View of the residual oil/sludge in the UST being pumped out.

PHOTOGRAPHIC DOCUMENTATION
Rite Aid UST Closure – Facility ID# 3-003425

Photograph 3: View of the UST interior being cleaned and soil boring holes being cut.

Photograph 4: View of the UST being filled with concrete slurry.

PHOTOGRAPHIC DOCUMENTATION
Rite Aid UST Closure – Facility ID# 3-003425

Photograph 5: View inside the vault of the UST filled with concrete slurry.

APPENDIX C

OIL DISPOSAL VOUCHER

Monarch

108 East Lake Rd,
PO BOX 330
Woodstown, NJ 08098

BOL: 438513

Site Job Site

801 North Market Street

Wilmington De

Transporter 1 Company Name	US EPA ID Number	Transporter's Phone
Monarch Environmental, Inc.	NJR000040667	856-769-9022

Designated Facility name and Site Address	US EPA ID Number	Facility's Phone
Monarch Environmental Recycling 108 East Lake Rd Woodstown, NJ 08098	NJD011881174	856-769-9022

US DOT Description (Including Proper Shipping Name, Hazard Class or Division ID Number and Packaing Group	Containers No.	Type	Total Quantity	Unit Wt/Vol	
Petroleum Contaminated Liquid Non RCRA Reg Non DOT Reg		CM			P / Y
		DM			P
	001	TT	063		G

Additional Descriptions for Materials Listed Above
ERG#_____
24-Hr Emergency Phone: (856) 769-9022 HV-01

GENERATOR'S CERTIFICATION: I herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by US EPA and applicable state regulations.

Printed/Typed Name	Signature	Month / Day / Year
Acting Agent for Rite Aid		
x Tony Alessandrini	x	10/2/2019

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month / Day /Year
x Brad Fawver	x	10/2/2019

Facility Owneror Operator: Certification of Receipt of Above Listed Materials

Printed/Typed Name	Signature	Month / Day / Year
x	x	/ /

LOADING INFORMATION
Start Time:_____
Arrival Time: 800
Depart Time: 1000
Finish Time:_____

Bill To Coventry Environmental, Inc. (Kim)
PO Box 1052
Kimberton Pa 19442-105

PO #_____

Special Instructions

Pick up 8:30, Send vactor to meet customer on site to vac #6 oil (Send 2 lengths of 4" hose)
Ord by Tony 302-563-1984 ** Customer will supply labor **

APPENDIX D

FLOWABLE FILL VOUCHER

NOTES:

GFP

302-998-7687
14_HADCO_ROAD_NEWPORT_DE_19804
tony coventry enviromental
ORDER NUMBER:0
JOB NUMBER:

TICKET # 39

START DATE: 2019 12 03 TIME: 09:14:20
STOP DATE: 2019 12 03 TIME: 09:38:29

MIX DESIGN: flow_fill_higher_strength

RAW CEMENT COUNTS: 5629
RAW CONVEYOR COUNTS: 191382
CONVEYOR SPEED: 50
TOTAL YARDS 19.2

MATERIAL	RATE SETTING	TOTAL
CEMENT	1.9LBS/MIN	4799.3LB
SAND	2.2 GATE	4727.1LB
STONE	2.6 GATE	5872.7LB
WATER	23.0GAL/MIN	179.1GAL
ADMIX #1	9.3OZ/MIN	5.1OZ
ADMIX #2	104.9OZ/MIN	839.4OZ
ADMIX #3	0.0OZ/MIN	0.0OZ
COLOR	6.0LBS/MIN	0.0LBS
FIBER	0.0LBS/MIN	0.0LBS

TOTAL SAND MOISTURE: 0.0
TOTAL STONE MOISTURE: 0.0

WATER/CEMENT RATIO: 0.311
ASTM DATA AVAILABLE UPON REQ

Name

$ 152.00
Receipt # 5116312
11/13/19 15:44

APPENDIX E

LABORATORY REPORT

eurofins | Environment Testing TestAmerica

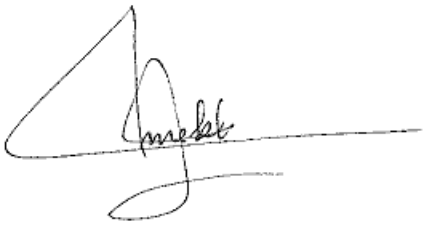
ANALYTICAL REPORT

Job Number: 460-197843-1

Job Description: Rite Aid-801 N. Market

For:
Duffield Associates
5400 Limestone Road
Wilmington, DE 19808

Attention: Mr. Robert Smagala



Approved for release.
Karima M Hamzi
Project Management Assistant I
12/5/2019 1:16 PM

Designee for
Omayra Penas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(732)593-2538
omayra.penas@testamericainc.com
12/05/2019

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.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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.

Eurofins TestAmerica, Edison
777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com

Table of Contents

Table of Contents

CASE NARRATIVE

Client: Duffield Associates

Project: Rite Aid-801 N. Market

Report Number: 460-197843-1

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

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

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

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

RECEIPT
The samples were received on 12/2/2019 7:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.9º 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.

DIESEL RANGE ORGANICS
Samples B1-G1 (460-197843-1) and B2-G1 (460-197843-2) were analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D - DRO. The samples were prepared on 12/03/2019 and analyzed on 12/03/2019 and 12/04/2019.

Surrogate (o-Terphenyl) recovery for the following sample was outside control limits (biased high): B2-G1 (460-197843-2) and B1-G1MSD (460-197843-1MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Refer to the QC report for details.

No other difficulties were encountered during the DRO analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples B1-G1 (460-197843-1) and B2-G1 (460-197843-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 12/02/2019 and analyzed on 12/03/2019.

Several analytes failed the recovery criteria low for the MS/MSD of sample 460-197566-2 in batch 460-659590.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples B1-G1 (460-197843-1) and B2-G1 (460-197843-2) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 12/02/2019.

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

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Duffield Associates
Job ID: 460-197843-1
Project/Site: Rite Aid-801 N. Market

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-197843-1	B1-G1	Solid	12/02/19 11:00	12/02/19 19:50	
460-197843-2	B2-G1	Solid	12/02/19 11:15	12/02/19 19:50	

Detection Summary

Client: Duffield Associates
Job ID: 460-197843-1
Project/Site: Rite Aid-801 N. Market

Client Sample ID: B1-G1
Lab Sample ID: 460-197843-1

No Detections.

Client Sample ID: B2-G1
Lab Sample ID: 460-197843-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	140	J	350	26	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	33	J	350	3.6	ug/Kg	1	☼	8270D	Total/NA
Anthracene	510		350	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	1500		35	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	1100		35	9.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	1600		35	9.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	630		350	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	620		35	6.9	ug/Kg	1	☼	8270D	Total/NA
Chrysene	1400		350	5.9	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	210		35	15	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	2600		350	12	ug/Kg	1	☼	8270D	Total/NA
Fluorene	150	J	350	4.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	820		35	14	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	41	J	350	6.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	2000		350	6.2	ug/Kg	1	☼	8270D	Total/NA
Pyrene	2700		350	8.7	ug/Kg	1	☼	8270D	Total/NA
#2 Diesel Fuel	54		7.1	0.89	mg/Kg	1	☼	8015D	Total/NA
C10-C44	100		9.2	0.89	mg/Kg	1	☼	8015D	Total/NA
C28-C44	50		7.1	0.89	mg/Kg	1	☼	8015D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Duffield Associates
Job ID: 460-197843-1
Project/Site: Rite Aid-801 N. Market

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	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: B1-G1
Lab Sample ID: 460-197843-1

Date Collected: 12/02/19 11:00
Matrix: Solid

Date Received: 12/02/19 19:50
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	26	U	350	26	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Acenaphthylene	3.7	U	350	3.7	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Anthracene	11	U	350	11	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Benzo[a]anthracene	12	U	35	12	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Benzo[a]pyrene	9.4	U	35	9.4	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Benzo[b]fluoranthene	9.1	U	35	9.1	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Benzo[g,h,i]perylene	10	U	350	10	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Benzo[k]fluoranthene	6.9	U	35	6.9	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Chrysene	6.0	U	350	6.0	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Dibenz(a,h)anthracene	15	U	35	15	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Fluoranthene	12	U	350	12	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Fluorene	4.8	U	350	4.8	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Indeno[1,2,3-cd]pyrene	14	U	35	14	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Naphthalene	6.1	U	350	6.1	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Phenanthrene	6.2	U	350	6.2	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1
Pyrene	8.8	U	350	8.8	ug/Kg	☼	12/02/19 22:27	12/03/19 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*29 - 107*	*12/02/19 22:27*	*12/03/19 05:22*	*1*
Nitrobenzene-d5 (Surr)	*87*		*25 - 113*	*12/02/19 22:27*	*12/03/19 05:22*	*1*
Terphenyl-d14 (Surr)	*108*		*27 - 123*	*12/02/19 22:27*	*12/03/19 05:22*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel Fuel	0.90	U	7.2	0.90	mg/Kg	☼	12/03/19 00:50	12/03/19 11:28	1
C10-C44	0.90	U	9.3	0.90	mg/Kg	☼	12/03/19 00:50	12/03/19 11:28	1
C28-C44	0.90	U	7.2	0.90	mg/Kg	☼	12/03/19 00:50	12/04/19 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*11 - 126*	*12/03/19 00:50*	*12/03/19 11:28*	*1*
o-Terphenyl	*100*		*11 - 126*	*12/03/19 00:50*	*12/04/19 14:48*	*1*

Client Sample ID: B2-G1
Lab Sample ID: 460-197843-2

Date Collected: 12/02/19 11:15
Matrix: Solid

Date Received: 12/02/19 19:50
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**140**	**J**	350	26	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Acenaphthylene	**33**	**J**	350	3.6	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Anthracene	**510**		350	11	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Benzo[a]anthracene	**1500**		35	12	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Benzo[a]pyrene	**1100**		35	9.4	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Benzo[b]fluoranthene	**1600**		35	9.1	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Benzo[g,h,i]perylene	**630**		350	10	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Benzo[k]fluoranthene	**620**		35	6.9	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Chrysene	**1400**		350	5.9	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Dibenz(a,h)anthracene	**210**		35	15	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Fluoranthene	**2600**		350	12	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Fluorene	**150**	**J**	350	4.8	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Indeno[1,2,3-cd]pyrene	**820**		35	14	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1

Client Sample ID: B2-G1
Date Collected: 12/02/19 11:15
Date Received: 12/02/19 19:50

Lab Sample ID: 460-197843-2
Matrix: Solid
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	41	J	350	6.1	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Phenanthrene	2000		350	6.2	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1
Pyrene	2700		350	8.7	ug/Kg	☼	12/02/19 22:27	12/03/19 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*29 - 107*	*12/02/19 22:27*	*12/03/19 05:44*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 113*	*12/02/19 22:27*	*12/03/19 05:44*	*1*
Terphenyl-d14 (Surr)	*100*		*27 - 123*	*12/02/19 22:27*	*12/03/19 05:44*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel Fuel	54		7.1	0.89	mg/Kg	☼	12/03/19 00:50	12/03/19 11:42	1
C10-C44	100		9.2	0.89	mg/Kg	☼	12/03/19 00:50	12/03/19 11:42	1
C28-C44	50		7.1	0.89	mg/Kg	☼	12/03/19 00:50	12/04/19 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*112*		*11 - 126*	*12/03/19 00:50*	*12/03/19 11:42*	*1*
o-Terphenyl	*147*	*X*	*11 - 126*	*12/03/19 00:50*	*12/04/19 15:00*	*1*

Surrogate Summary

Client: Duffield Associates
Job ID: 460-197843-1
Project/Site: Rite Aid-801 N. Market

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	FBP (29-107)	NBZ (25-113)	TPHL (27-123)
460-197566-A-2-C MS	Matrix Spike	51	54	61
460-197566-A-2-D MSD	Matrix Spike Duplicate	53	57	62
460-197843-1	B1-G1	82	87	108
460-197843-2	B2-G1	71	72	100
LCS 460-659546/2-A	Lab Control Sample	73	76	89
LCSD 460-659546/3-A	Lab Control Sample Dup	74	76	88
MB 460-659546/1-A	Method Blank	74	78	92

Surrogate Legend

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

Method: 8015D - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH (11-126)
460-197843-1	B1-G1	102
460-197843-1	B1-G1	100
460-197843-1 MS	B1-G1	121
460-197843-1 MS	B1-G1	126
460-197843-1 MSD	B1-G1	137 X
460-197843-1 MSD	B1-G1	124
460-197843-2	B2-G1	112
460-197843-2	B2-G1	147 X
LCS 460-659612/2-A	Lab Control Sample	123
LCS 460-659612/9-A	Lab Control Sample	98
LCSD 460-659612/10-A	Lab Control Sample Dup	103
LCSD 460-659612/3-A	Lab Control Sample Dup	111
MB 460-659612/1-A	Method Blank	106
MB 460-659612/1-A	Method Blank	91

Surrogate Legend

OTPH = o-Terphenyl

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

Lab Sample ID: MB 460-659546/1-A
Matrix: Solid
Analysis Batch: 659590

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	24	U	330	24	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Acenaphthylene	3.4	U	330	3.4	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Anthracene	10	U	330	10	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Benzo[a]anthracene	12	U	33	12	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Benzo[a]pyrene	8.8	U	33	8.8	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Benzo[b]fluoranthene	8.6	U	33	8.6	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Benzo[g,h,i]perylene	9.8	U	330	9.8	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Benzo[k]fluoranthene	6.5	U	33	6.5	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Chrysene	5.6	U	330	5.6	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Dibenz(a,h)anthracene	14	U	33	14	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Fluoranthene	12	U	330	12	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Fluorene	4.5	U	330	4.5	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Indeno[1,2,3-cd]pyrene	13	U	33	13	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Naphthalene	5.7	U	330	5.7	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Phenanthrene	5.8	U	330	5.8	ug/Kg		12/02/19 16:10	12/02/19 22:31	1
Pyrene	8.2	U	330	8.2	ug/Kg		12/02/19 16:10	12/02/19 22:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*29 - 107*	*12/02/19 16:10*	*12/02/19 22:31*	*1*
Nitrobenzene-d5 (Surr)	*78*		*25 - 113*	*12/02/19 16:10*	*12/02/19 22:31*	*1*
Terphenyl-d14 (Surr)	*92*		*27 - 123*	*12/02/19 16:10*	*12/02/19 22:31*	*1*

Lab Sample ID: LCS 460-659546/2-A
Matrix: Solid
Analysis Batch: 659590

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3330	2310		ug/Kg		69	62 - 108
Acenaphthylene	3330	2830		ug/Kg		85	67 - 107
Anthracene	3330	3030		ug/Kg		91	69 - 111
Benzo[a]anthracene	3330	2940		ug/Kg		88	68 - 110
Benzo[a]pyrene	3330	2790		ug/Kg		84	72 - 115
Benzo[b]fluoranthene	3330	3010		ug/Kg		90	69 - 119
Benzo[g,h,i]perylene	3330	2620		ug/Kg		79	54 - 128
Benzo[k]fluoranthene	3330	3170		ug/Kg		95	70 - 115
Chrysene	3330	3080		ug/Kg		92	70 - 111
Dibenz(a,h)anthracene	3330	2810		ug/Kg		84	60 - 130
Fluoranthene	3330	3000		ug/Kg		90	64 - 114
Fluorene	3330	2830		ug/Kg		85	66 - 110
Indeno[1,2,3-cd]pyrene	3330	3080		ug/Kg		92	53 - 137
Naphthalene	3330	2760		ug/Kg		83	65 - 102
Phenanthrene	3330	2940		ug/Kg		88	68 - 111
Pyrene	3330	3160		ug/Kg		95	64 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*29 - 107*
Nitrobenzene-d5 (Surr)	*76*		*25 - 113*
Terphenyl-d14 (Surr)	*89*		*27 - 123*

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

Lab Sample ID: LCSD 460-659546/3-A
Matrix: Solid
Analysis Batch: 659590

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 659546

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			3330	2310		ug/Kg		69	62 - 108	0	30
Acenaphthylene			3330	2840		ug/Kg		85	67 - 107	0	30
Anthracene			3330	2990		ug/Kg		90	69 - 111	1	30
Benzo[a]anthracene			3330	2910		ug/Kg		87	68 - 110	1	30
Benzo[a]pyrene			3330	2770		ug/Kg		83	72 - 115	1	30
Benzo[b]fluoranthene			3330	3150		ug/Kg		95	69 - 119	4	30
Benzo[g,h,i]perylene			3330	2660		ug/Kg		80	54 - 128	1	30
Benzo[k]fluoranthene			3330	2990		ug/Kg		90	70 - 115	6	30
Chrysene			3330	3090		ug/Kg		93	70 - 111	0	30
Dibenz(a,h)anthracene			3330	2820		ug/Kg		84	60 - 130	0	30
Fluoranthene			3330	2980		ug/Kg		89	64 - 114	1	30
Fluorene			3330	2850		ug/Kg		85	66 - 110	1	30
Indeno[1,2,3-cd]pyrene			3330	3050		ug/Kg		91	53 - 137	1	30
Naphthalene			3330	2700		ug/Kg		81	65 - 102	2	30
Phenanthrene			3330	2920		ug/Kg		88	68 - 111	1	30
Pyrene			3330	3170		ug/Kg		95	64 - 121	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*29 - 107*
Nitrobenzene-d5 (Surr)	*76*		*25 - 113*
Terphenyl-d14 (Surr)	*88*		*27 - 123*

Lab Sample ID: 460-197566-A-2-C MS
Matrix: Solid
Analysis Batch: 659590

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 659546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene	28	U F1	3880	1870	F1	ug/Kg	☼	48	62 - 108		
Acenaphthylene	4.0	U F1	3880	2240	F1	ug/Kg	☼	58	67 - 107		
Anthracene	12	U F1	3880	2350	F1	ug/Kg	☼	60	69 - 111		
Benzo[a]anthracene	91	F1	3880	2350	F1	ug/Kg	☼	58	68 - 110		
Benzo[a]pyrene	140	F1	3880	2180	F1	ug/Kg	☼	53	72 - 115		
Benzo[b]fluoranthene	270	F1	3880	2400	F1	ug/Kg	☼	55	69 - 119		
Benzo[g,h,i]perylene	160	J F1	3880	2180	F1	ug/Kg	☼	52	54 - 128		
Benzo[k]fluoranthene	88	F1	3880	2440	F1	ug/Kg	☼	61	70 - 115		
Chrysene	180	J F1	3880	2590	F1	ug/Kg	☼	62	70 - 111		
Dibenz(a,h)anthracene	33	J F1	3880	2120	F1	ug/Kg	☼	54	60 - 130		
Fluoranthene	330	J F1	3880	2550	F1	ug/Kg	☼	57	64 - 114		
Fluorene	5.2	U F1	3880	2190	F1	ug/Kg	☼	57	66 - 110		
Indeno[1,2,3-cd]pyrene	160		3880	2470		ug/Kg	☼	60	53 - 137		
Naphthalene	6.7	U F1	3880	2290	F1	ug/Kg	☼	59	65 - 102		
Phenanthrene	170	J F1	3880	2410	F1	ug/Kg	☼	58	68 - 111		
Pyrene	340	J	3880	2890		ug/Kg	☼	66	64 - 121		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*51*		*29 - 107*
Nitrobenzene-d5 (Surr)	*54*		*25 - 113*
Terphenyl-d14 (Surr)	*61*		*27 - 123*

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

Lab Sample ID: 460-197566-A-2-D MSD
Matrix: Solid
Analysis Batch: 659590

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 659546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	28	U F1	3880	1900	F1	ug/Kg	☼	49	62 - 108	1	30
Acenaphthylene	4.0	U F1	3880	2330	F1	ug/Kg	☼	60	67 - 107	4	30
Anthracene	12	U F1	3880	2340	F1	ug/Kg	☼	60	69 - 111	0	30
Benzo[a]anthracene	91	F1	3880	2370	F1	ug/Kg	☼	59	68 - 110	1	30
Benzo[a]pyrene	140	F1	3880	2220	F1	ug/Kg	☼	54	72 - 115	2	30
Benzo[b]fluoranthene	270	F1	3880	2750	F1	ug/Kg	☼	64	69 - 119	14	30
Benzo[g,h,i]perylene	160	J F1	3880	2100	F1	ug/Kg	☼	50	54 - 128	4	30
Benzo[k]fluoranthene	88	F1	3880	2300	F1	ug/Kg	☼	57	70 - 115	6	30
Chrysene	180	J F1	3880	2590	F1	ug/Kg	☼	62	70 - 111	0	30
Dibenz(a,h)anthracene	33	J F1	3880	2200	F1	ug/Kg	☼	56	60 - 130	4	30
Fluoranthene	330	J F1	3880	2610	F1	ug/Kg	☼	59	64 - 114	2	30
Fluorene	5.2	U F1	3880	2260	F1	ug/Kg	☼	58	66 - 110	3	30
Indeno[1,2,3-cd]pyrene	160		3880	2560		ug/Kg	☼	62	53 - 137	3	30
Naphthalene	6.7	U F1	3880	2360	F1	ug/Kg	☼	61	65 - 102	3	30
Phenanthrene	170	J F1	3880	2570	F1	ug/Kg	☼	62	68 - 111	6	30
Pyrene	340	J	3880	3000		ug/Kg	☼	69	64 - 121	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*53*		*29 - 107*
Nitrobenzene-d5 (Surr)	*57*		*25 - 113*
Terphenyl-d14 (Surr)	*62*		*27 - 123*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 460-659612/1-A
Matrix: Solid
Analysis Batch: 659678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659612

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel Fuel	0.84	U	6.7	0.84	mg/Kg		12/03/19 00:50	12/03/19 10:24	1
C10-C44	0.84	U	8.7	0.84	mg/Kg		12/03/19 00:50	12/03/19 10:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*11 - 126*	*12/03/19 00:50*	*12/03/19 10:24*	*1*

Lab Sample ID: MB 460-659612/1-A
Matrix: Solid
Analysis Batch: 659945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659612

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C28-C44	0.84	U	6.7	0.84	mg/Kg		12/03/19 00:50	12/04/19 14:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*11 - 126*	*12/03/19 00:50*	*12/04/19 14:10*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 460-659612/2-A
Matrix: Solid
Analysis Batch: 659678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659612

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel Fuel			133	104		mg/Kg		78	60 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*123*		*11 - 126*

Lab Sample ID: LCS 460-659612/9-A
Matrix: Solid
Analysis Batch: 659945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659612

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C28-C44			26.7	19.3		mg/Kg		72	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*98*		*11 - 126*

Lab Sample ID: LCSD 460-659612/10-A
Matrix: Solid
Analysis Batch: 659945

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 659612

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C28-C44			26.7	20.7		mg/Kg		78	70 - 130	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*103*		*11 - 126*

Lab Sample ID: LCSD 460-659612/3-A
Matrix: Solid
Analysis Batch: 659678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 659612

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel Fuel			133	112		mg/Kg		84	60 - 105	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*111*		*11 - 126*

Lab Sample ID: 460-197843-1 MS
Matrix: Solid
Analysis Batch: 659678

Client Sample ID: B1-G1
Prep Type: Total/NA
Prep Batch: 659612

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel Fuel	0.90	U	142	114		mg/Kg	☼	80	60 - 105		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*121*		*11 - 126*

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 460-197843-1 MS
Matrix: Solid
Analysis Batch: 659945

Client Sample ID: B1-G1
Prep Type: Total/NA
Prep Batch: 659612

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	*126*		*11 - 126*

Lab Sample ID: 460-197843-1 MSD
Matrix: Solid
Analysis Batch: 659678

Client Sample ID: B1-G1
Prep Type: Total/NA
Prep Batch: 659612

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel Fuel	0.90	U	142	146		mg/Kg	☼	102	60 - 105	24	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	*137*	*X*	*11 - 126*

Lab Sample ID: 460-197843-1 MSD
Matrix: Solid
Analysis Batch: 659945

Client Sample ID: B1-G1
Prep Type: Total/NA
Prep Batch: 659612

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	*124*		*11 - 126*

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
X	Surrogate is outside control limits

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)

GC/MS Semi VOA

Prep Batch: 659546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-197843-1	B1-G1	Total/NA	Solid	3546	
460-197843-2	B2-G1	Total/NA	Solid	3546	
MB 460-659546/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-659546/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-659546/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-197566-A-2-C MS	Matrix Spike	Total/NA	Solid	3546	
460-197566-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 659590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-197843-1	B1-G1	Total/NA	Solid	8270D	659546
460-197843-2	B2-G1	Total/NA	Solid	8270D	659546
MB 460-659546/1-A	Method Blank	Total/NA	Solid	8270D	659546
LCS 460-659546/2-A	Lab Control Sample	Total/NA	Solid	8270D	659546
LCSD 460-659546/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	659546
460-197566-A-2-C MS	Matrix Spike	Total/NA	Solid	8270D	659546
460-197566-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	659546

GC Semi VOA

Prep Batch: 659612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-197843-1	B1-G1	Total/NA	Solid	3546	
460-197843-1	B1-G1	Total/NA	Solid	3546	
460-197843-2	B2-G1	Total/NA	Solid	3546	
460-197843-2	B2-G1	Total/NA	Solid	3546	
MB 460-659612/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-659612/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-659612/9-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-659612/10-A	Lab Control Sample Dup	Total/NA	Solid	3546	
LCSD 460-659612/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-197843-1 MS	B1-G1	Total/NA	Solid	3546	
460-197843-1 MSD	B1-G1	Total/NA	Solid	3546	

Analysis Batch: 659678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-197843-1	B1-G1	Total/NA	Solid	8015D	659612
460-197843-2	B2-G1	Total/NA	Solid	8015D	659612
MB 460-659612/1-A	Method Blank	Total/NA	Solid	8015D	659612
LCS 460-659612/2-A	Lab Control Sample	Total/NA	Solid	8015D	659612
LCSD 460-659612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	659612
460-197843-1 MS	B1-G1	Total/NA	Solid	8015D	659612
460-197843-1 MSD	B1-G1	Total/NA	Solid	8015D	659612

Analysis Batch: 659945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-197843-1	B1-G1	Total/NA	Solid	8015D	659612
460-197843-2	B2-G1	Total/NA	Solid	8015D	659612
MB 460-659612/1-A	Method Blank	Total/NA	Solid	8015D	659612
LCS 460-659612/9-A	Lab Control Sample	Total/NA	Solid	8015D	659612
LCSD 460-659612/10-A	Lab Control Sample Dup	Total/NA	Solid	8015D	659612

GC Semi VOA (Continued)

Analysis Batch: 659945 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-197843-1 MS	B1-G1	Total/NA	Solid	8015D	659612
460-197843-1 MSD	B1-G1	Total/NA	Solid	8015D	659612

General Chemistry

Analysis Batch: 659611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-197843-1	B1-G1	Total/NA	Solid	Moisture	
460-197843-2	B2-G1	Total/NA	Solid	Moisture	
460-197843-2 DU	B2-G1	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Duffield Associates
Job ID: 460-197843-1
Project/Site: Rite Aid-801 N. Market

Client Sample ID: B1-G1
Lab Sample ID: 460-197843-1
Date Collected: 12/02/19 11:00
Matrix: Solid
Date Received: 12/02/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659611	12/02/19 23:29	JLD	TAL EDI

Client Sample ID: B1-G1
Lab Sample ID: 460-197843-1
Date Collected: 12/02/19 11:00
Matrix: Solid
Date Received: 12/02/19 19:50
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			659546	12/02/19 22:27	ABA	TAL EDI
Total/NA	Analysis	8270D		1	659590	12/03/19 05:22	MME	TAL EDI
Total/NA	Prep	3546			659612	12/03/19 00:50	JMS	TAL EDI
Total/NA	Analysis	8015D		1	659945	12/04/19 14:48	CDC	TAL EDI
Total/NA	Prep	3546			659612	12/03/19 00:50	JMS	TAL EDI
Total/NA	Analysis	8015D		1	659678	12/03/19 11:28	BWM	TAL EDI

Client Sample ID: B2-G1
Lab Sample ID: 460-197843-2
Date Collected: 12/02/19 11:15
Matrix: Solid
Date Received: 12/02/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	659611	12/02/19 23:29	JLD	TAL EDI

Client Sample ID: B2-G1
Lab Sample ID: 460-197843-2
Date Collected: 12/02/19 11:15
Matrix: Solid
Date Received: 12/02/19 19:50
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			659546	12/02/19 22:27	ABA	TAL EDI
Total/NA	Analysis	8270D		1	659590	12/03/19 05:44	MME	TAL EDI
Total/NA	Prep	3546			659612	12/03/19 00:50	JMS	TAL EDI
Total/NA	Analysis	8015D		1	659945	12/04/19 15:00	CDC	TAL EDI
Total/NA	Prep	3546			659612	12/03/19 00:50	JMS	TAL EDI
Total/NA	Analysis	8015D		1	659678	12/03/19 11:42	BWM	TAL EDI

Laboratory References:

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

Accreditation/Certification Summary

Client: Duffield Associates
Job ID: 460-197843-1
Project/Site: Rite Aid-801 N. Market

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
DE Haz. Subst. Cleanup Act (HSCA)	State Program	N/A	12-31-19

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
8015D	3546	Solid	#2 Diesel Fuel
8015D	3546	Solid	C10-C44
8015D	3546	Solid	C28-C44
8270D	3546	Solid	Acenaphthene
8270D	3546	Solid	Acenaphthylene
8270D	3546	Solid	Anthracene
8270D	3546	Solid	Benzo[a]anthracene
8270D	3546	Solid	Benzo[a]pyrene
8270D	3546	Solid	Benzo[b]fluoranthene
8270D	3546	Solid	Benzo[g,h,i]perylene
8270D	3546	Solid	Benzo[k]fluoranthene
8270D	3546	Solid	Chrysene
8270D	3546	Solid	Dibenz(a,h)anthracene
8270D	3546	Solid	Fluoranthene
8270D	3546	Solid	Fluorene
8270D	3546	Solid	Indeno[1,2,3-cd]pyrene
8270D	3546	Solid	Naphthalene
8270D	3546	Solid	Phenanthrene
8270D	3546	Solid	Pyrene
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.: 460-197843-1

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 #
B1-G1	460-197843-1	87	82	108
B2-G1	460-197843-2	72	71	100
	MB 460-659546/1-A	78	74	92
	LCS 460-659546/2-A	76	73	89
	LCSD 460-659546/3-A	76	74	88
	460-197566-A-2-C MS	54	51	61
	460-197566-A-2-D MSD	57	53	62

	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 III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L25967.d

Lab ID: LCS 460-659546/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	3330	2310	69	62-108	
Acenaphthylene	3330	2830	85	67-107	
Anthracene	3330	3030	91	69-111	
Benzo[a]anthracene	3330	2940	88	68-110	
Benzo[a]pyrene	3330	2790	84	72-115	
Benzo[b]fluoranthene	3330	3010	90	69-119	
Benzo[g,h,i]perylene	3330	2620	79	54-128	
Benzo[k]fluoranthene	3330	3170	95	70-115	
Chrysene	3330	3080	92	70-111	
Dibenz(a,h)anthracene	3330	2810	84	60-130	
Fluoranthene	3330	3000	90	64-114	
Fluorene	3330	2830	85	66-110	
Indeno[1,2,3-cd]pyrene	3330	3080	92	53-137	
Naphthalene	3330	2760	83	65-102	
Phenanthrene	3330	2940	88	68-111	
Pyrene	3330	3160	95	64-121	

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.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L25968.d

Lab ID: LCSD 460-659546/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	3330	2310	69	0	30	62-108	
Acenaphthylene	3330	2840	85	0	30	67-107	
Anthracene	3330	2990	90	1	30	69-111	
Benzo[a]anthracene	3330	2910	87	1	30	68-110	
Benzo[a]pyrene	3330	2770	83	1	30	72-115	
Benzo[b]fluoranthene	3330	3150	95	4	30	69-119	
Benzo[g,h,i]perylene	3330	2660	80	1	30	54-128	
Benzo[k]fluoranthene	3330	2990	90	6	30	70-115	
Chrysene	3330	3090	93	0	30	70-111	
Dibenz(a,h)anthracene	3330	2820	84	0	30	60-130	
Fluoranthene	3330	2980	89	1	30	64-114	
Fluorene	3330	2850	85	1	30	66-110	
Indeno[1,2,3-cd]pyrene	3330	3050	91	1	30	53-137	
Naphthalene	3330	2700	81	2	30	65-102	
Phenanthrene	3330	2920	88	1	30	68-111	
Pyrene	3330	3170	95	0	30	64-121	

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.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L25971.d

Lab ID: 460-197566-A-2-C MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	3880	28 U	1870	48	62-108	F1
Acenaphthylene	3880	4.0 U	2240	58	67-107	F1
Anthracene	3880	12 U	2350	60	69-111	F1
Benzo[a]anthracene	3880	91	2350	58	68-110	F1
Benzo[a]pyrene	3880	140	2180	53	72-115	F1
Benzo[b]fluoranthene	3880	270	2400	55	69-119	F1
Benzo[g,h,i]perylene	3880	160 J	2180	52	54-128	F1
Benzo[k]fluoranthene	3880	88	2440	61	70-115	F1
Chrysene	3880	180 J	2590	62	70-111	F1
Dibenz(a,h)anthracene	3880	33 J	2120	54	60-130	F1
Fluoranthene	3880	330 J	2550	57	64-114	F1
Fluorene	3880	5.2 U	2190	57	66-110	F1
Indeno[1,2,3-cd]pyrene	3880	160	2470	60	53-137	
Naphthalene	3880	6.7 U	2290	59	65-102	F1
Phenanthrene	3880	170 J	2410	58	68-111	F1
Pyrene	3880	340 J	2890	66	64-121	

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.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L25972.d

Lab ID: 460-197566-A-2-D MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	3880	1900	49	1	30	62-108	F1
Acenaphthylene	3880	2330	60	4	30	67-107	F1
Anthracene	3880	2340	60	0	30	69-111	F1
Benzo[a]anthracene	3880	2370	59	1	30	68-110	F1
Benzo[a]pyrene	3880	2220	54	2	30	72-115	F1
Benzo[b]fluoranthene	3880	2750	64	14	30	69-119	F1
Benzo[g,h,i]perylene	3880	2100	50	4	30	54-128	F1
Benzo[k]fluoranthene	3880	2300	57	6	30	70-115	F1
Chrysene	3880	2590	62	0	30	70-111	F1
Dibenz(a,h)anthracene	3880	2200	56	4	30	60-130	F1
Fluoranthene	3880	2610	59	2	30	64-114	F1
Fluorene	3880	2260	58	3	30	66-110	F1
Indeno[1,2,3-cd]pyrene	3880	2560	62	3	30	53-137	
Naphthalene	3880	2360	61	3	30	65-102	F1
Phenanthrene	3880	2570	62	6	30	68-111	F1
Pyrene	3880	3000	69	4	30	64-121	

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.: 460-197843-1

SDG No.:

Lab File ID: L25966.d Lab Sample ID: MB 460-659546/1-A

Matrix: Solid Date Extracted: 12/02/2019 16:10

Instrument ID: CBNAMS12 Date Analyzed: 12/02/2019 22:31

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-659546/2-A	L25967.d	12/02/2019 22:54
	LCSD 460-659546/3-A	L25968.d	12/02/2019 23:27
	460-197566-A-2-C MS	L25971.d	12/03/2019 00:35
	460-197566-A-2-D MSD	L25972.d	12/03/2019 00:58
B1-G1	460-197843-1	L25977a.d	12/03/2019 05:22
B2-G1	460-197843-2	L25978.d	12/03/2019 05:44

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab File ID: L24920.d DFTPP Injection Date: 10/22/2019

Instrument ID: CBNAMS12 DFTPP Injection Time: 09:45

Analysis Batch No.: 649268

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	44.6	
68	Less than 2% of mass 69	0.5	(1.3) 1
69	Mass 69 Relative abundance	37.4	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	47.8	
197	Less than 2% of mass 198	0.8	
198	Base peak	100.0	
199	5-9% of mass 198	6.3	
275	10-60% of Base Peak	23.9	
365	Greater than 1% of mass 198	2.6	
441	present but less than 24% of mass 442	15.9	(14.9) 2
442	Greater than 50% of mass 198	106.5	
443	15-24% of mass 442	19.6	(18.4) 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 460-649268/2	L24921.d	10/22/2019	09:58
	STD120 460-649268/3	L24922.d	10/22/2019	10:20
	STD80 460-649268/4	L24923.d	10/22/2019	10:43
	STD20 460-649268/5	L24924.d	10/22/2019	11:05
	STD10 460-649268/6	L24925.d	10/22/2019	11:28
	STD5 460-649268/7	L24926.d	10/22/2019	11:50
	STD2 460-649268/8	L24927.d	10/22/2019	12:13
	STD1 460-649268/9	L24928.d	10/22/2019	12:35
	STD05 460-649268/10	L24929.d	10/22/2019	12:57

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab File ID: L25962.d DFTPP Injection Date: 12/02/2019

Instrument ID: CBNAMS12 DFTPP Injection Time: 20:47

Analysis Batch No.: 659590

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	47.5	
68	Less than 2% of mass 69	0.6	(1.4) 1
69	Mass 69 Relative abundance	39.8	
70	Less than 2% of mass 69	0.3	(0.7) 1
127	10-80% of Base Peak	49.7	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	24.7	
365	Greater than 1% of mass 198	2.8	
441	present but less than 24% of mass 442	14.0	(15.5) 2
442	Greater than 50% of mass 198	90.2	
443	15-24% of mass 442	15.9	(17.7) 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 460-659590/2	L25963.d	12/02/2019	21:13
	MB 460-659546/1-A	L25966.d	12/02/2019	22:31
	LCS 460-659546/2-A	L25967.d	12/02/2019	22:54
	LCSD 460-659546/3-A	L25968.d	12/02/2019	23:27
	460-197566-A-2-C MS	L25971.d	12/03/2019	00:35
	460-197566-A-2-D MSD	L25972.d	12/03/2019	00:58
B1-G1	460-197843-1	L25977a.d	12/03/2019	05:22
B2-G1	460-197843-2	L25978.d	12/03/2019	05:44

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Sample No.: CCVIS 460-659590/2 Date Analyzed: 12/02/2019 21:13

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): L25963.d Heated Purge: (Y/N) N

Calibration ID: 77225

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		111933	4.35	430188	5.59	216497	7.30
UPPER LIMIT		223866	4.85	860376	6.09	432994	7.80
LOWER LIMIT		55967	3.85	215094	5.09	108249	6.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-659546/1-A		145416	4.35	573532	5.59	309427	7.30
LCS 460-659546/2-A		127765	4.35	503214	5.59	259496	7.30
LCSD 460-659546/3-A		130879	4.35	517015	5.59	261439	7.30
460-197566-A-2-C MS		140742	4.35	573013	5.59	289758	7.30
460-197566-A-2-D MSD		124670	4.35	536614	5.59	275298	7.30
460-197843-1	B1-G1	122064	4.35	490345	5.59	254184	7.30
460-197843-2	B2-G1	136863	4.35	557788	5.59	290832	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.: 460-197843-1

SDG No.:

Sample No.: CCVIS 460-659590/2 Date Analyzed: 12/02/2019 21:13

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): L25963.d Heated Purge: (Y/N) N

Calibration ID: 77225

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		413602	8.73	341693	11.43	353960	13.31
UPPER LIMIT		827204	9.23	683386	11.93	707920	13.81
LOWER LIMIT		206801	8.23	170847	10.93	176980	12.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-659546/1-A		586810	8.73	438480	11.42	422085	13.30
LCS 460-659546/2-A		488461	8.73	379121	11.42	383326	13.30
LCSD 460-659546/3-A		494301	8.73	375259	11.43	376566	13.31
460-197566-A-2-C MS		511067	8.73	347808	11.43	386892	13.31
460-197566-A-2-D MSD		491384	8.73	324703	11.43	344445	13.31
460-197843-1	B1-G1	447233	8.73	286318	11.43	297220	13.31
460-197843-2	B2-G1	518212	8.73	325418	11.43	360618	13.31

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.: 460-197843-1

SDG No.:

Client Sample ID: B1-G1 Lab Sample ID: 460-197843-1

Matrix: Solid Lab File ID: L25977a.d

Analysis Method: 8270D Date Collected: 12/02/2019 11:00

Extract. Method: 3546 Date Extracted: 12/02/2019 22:27

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 05:22

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 6.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659590 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	26	U	350	26
208-96-8	Acenaphthylene	3.7	U	350	3.7
120-12-7	Anthracene	11	U	350	11
56-55-3	Benzo[a]anthracene	12	U	35	12
50-32-8	Benzo[a]pyrene	9.4	U	35	9.4
205-99-2	Benzo[b]fluoranthene	9.1	U	35	9.1
191-24-2	Benzo[g,h,i]perylene	10	U	350	10
207-08-9	Benzo[k]fluoranthene	6.9	U	35	6.9
218-01-9	Chrysene	6.0	U	350	6.0
53-70-3	Dibenz(a,h)anthracene	15	U	35	15
206-44-0	Fluoranthene	12	U	350	12
86-73-7	Fluorene	4.8	U	350	4.8
193-39-5	Indeno[1,2,3-cd]pyrene	14	U	35	14
91-20-3	Naphthalene	6.1	U	350	6.1
85-01-8	Phenanthrene	6.2	U	350	6.2
129-00-0	Pyrene	8.8	U	350	8.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	82		29-107
4165-60-0	Nitrobenzene-d5 (Surr)	87		25-113
1718-51-0	Terphenyl-d14 (Surr)	108		27-123

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25977a.d
Lims ID: 460-197843-A-1-A
Client ID: B1-G1
Sample Type: Client
Inject. Date: 03-Dec-2019 05:22:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102169-016
Operator ID: Instrument ID: CBNAMS12

Method: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 03-Dec-2019 07:53:21 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: khlungprakhons Date: 03-Dec-2019 17:59:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.346	4.345	0.001	97	122064	40.0	
$ 26 Nitrobenzene-d5	82	4.887	4.893	-0.005	93	198776	43.7	
* 36 Naphthalene-d8	136	5.593	5.592	0.001	99	490345	40.0	
$ 50 2-Fluorobiphenyl	172	6.651	6.645	0.006	98	397659	41.0	
* 63 Acenaphthene-d10	164	7.298	7.298	0.000	97	254184	40.0	
* 85 Phenanthrene-d10	188	8.734	8.733	0.001	99	447233	40.0	
$ 94 Terphenyl-d14	244	10.269	10.269	0.000	99	365981	53.9	
* 100 Chrysene-d12	240	11.427	11.427	0.000	99	286318	40.0	
* 107 Perylene-d12	264	13.310	13.310	0.000	98	297220	40.0	

Reagents:

SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

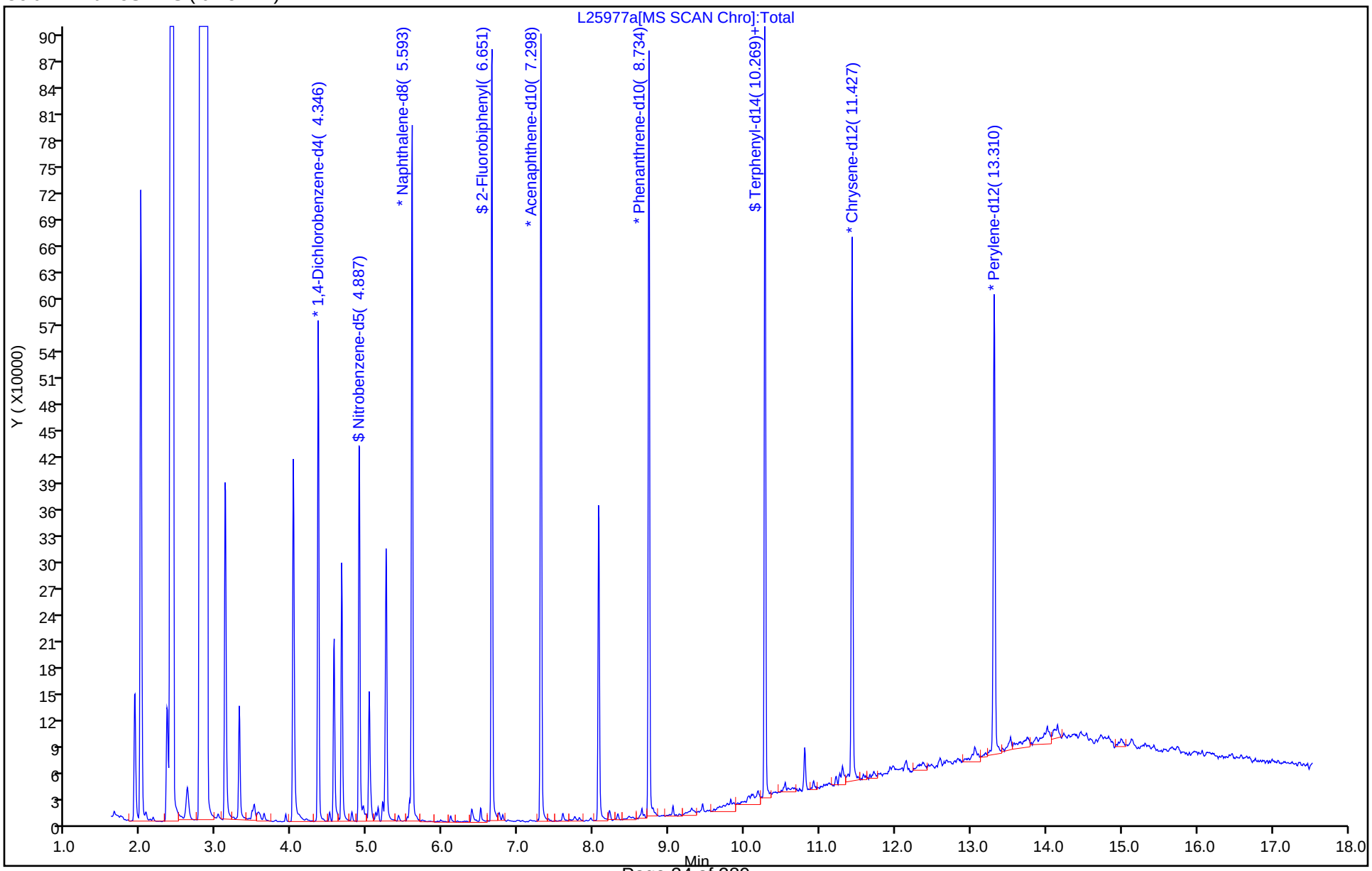
Report Date: 03-Dec-2019 07:54:05 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25977a.d

Injection Date:	03-Dec-2019 05:22:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	460-197843-A-1-A	Lab Sample ID:	460-197843-1	Worklist Smp#:	16
Client ID:	B1-G1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



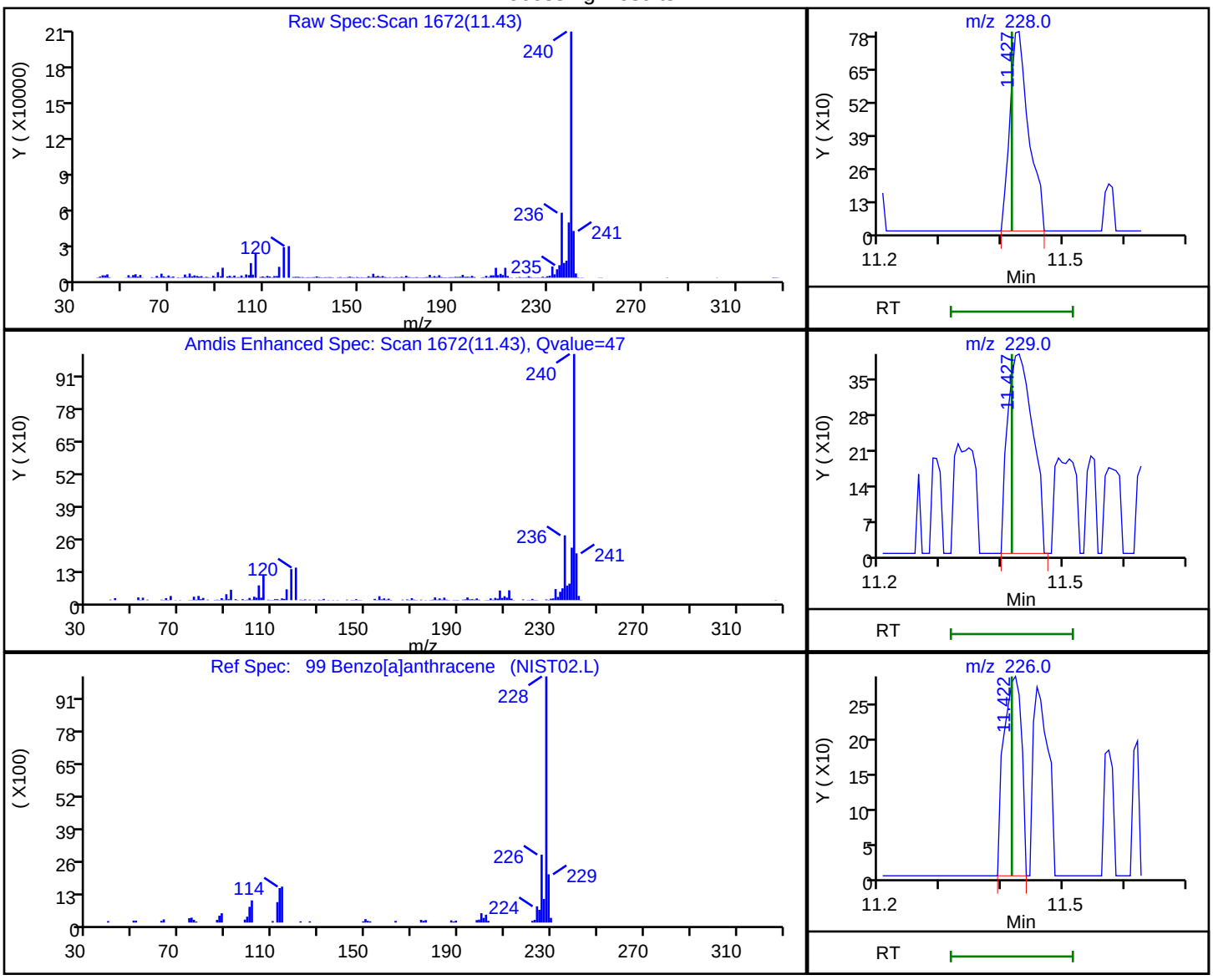
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25977a.d				
Injection Date:	03-Dec-2019 05:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-1-A	Lab Sample ID:	460-197843-1		
Client ID:	B1-G1				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
11.43	228.00	1694	0.176557
11.43	229.00	1121	
11.42	226.00	571	

Reviewer: khlungprakhons, 03-Dec-2019 17:59:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

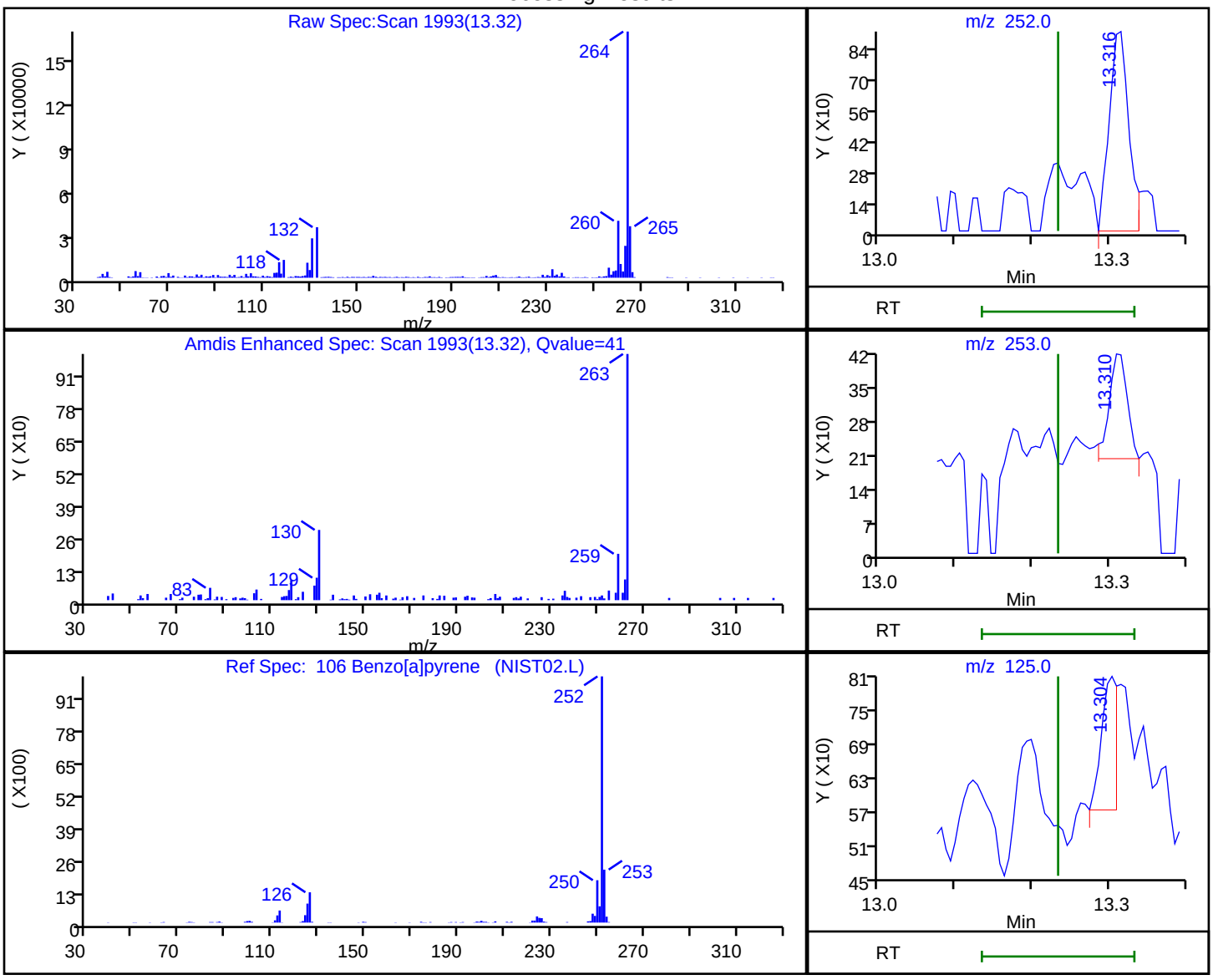
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25977a.d				
Injection Date:	03-Dec-2019 05:22:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-1-A	Lab Sample ID:	460-197843-1		
Client ID:	B1-G1				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.32	252.00	1634	0.193060
13.31	253.00	361	
13.30	125.00	333	

Reviewer: khlungprakhons, 03-Dec-2019 17:59:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B2-G1 Lab Sample ID: 460-197843-2

Matrix: Solid Lab File ID: L25978.d

Analysis Method: 8270D Date Collected: 12/02/2019 11:15

Extract. Method: 3546 Date Extracted: 12/02/2019 22:27

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 05:44

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 5.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659590 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	J	350	26
208-96-8	Acenaphthylene	33	J	350	3.6
120-12-7	Anthracene	510		350	11
56-55-3	Benzo[a]anthracene	1500		35	12
50-32-8	Benzo[a]pyrene	1100		35	9.4
205-99-2	Benzo[b]fluoranthene	1600		35	9.1
191-24-2	Benzo[g,h,i]perylene	630		350	10
207-08-9	Benzo[k]fluoranthene	620		35	6.9
218-01-9	Chrysene	1400		350	5.9
53-70-3	Dibenz(a,h)anthracene	210		35	15
206-44-0	Fluoranthene	2600		350	12
86-73-7	Fluorene	150	J	350	4.8
193-39-5	Indeno[1,2,3-cd]pyrene	820		35	14
91-20-3	Naphthalene	41	J	350	6.1
85-01-8	Phenanthrene	2000		350	6.2
129-00-0	Pyrene	2700		350	8.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	71		29-107
4165-60-0	Nitrobenzene-d5 (Surr)	72		25-113
1718-51-0	Terphenyl-d14 (Surr)	100		27-123

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d
Lims ID: 460-197843-A-2-A
Client ID: B2-G1
Sample Type: Client
Inject. Date: 03-Dec-2019 05:44:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102169-017
Operator ID: Instrument ID: CBNAMS12

Method: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 03-Dec-2019 07:53:21 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: khlungprakhons Date: 03-Dec-2019 18:12:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.345	4.345	0.000	97	136863	40.0	
$ 26 Nitrobenzene-d5	82	4.887	4.893	-0.005	93	185870	35.9	
* 36 Naphthalene-d8	136	5.592	5.592	0.000	99	557788	40.0	
37 Naphthalene	128	5.610	5.610	0.000	98	7809	0.5813	
42 2-Methylnaphthalene	142	6.292	6.287	0.005	83	3523	0.3845	
$ 50 2-Fluorobiphenyl	172	6.645	6.645	0.000	97	393989	35.5	
61 Acenaphthylene	152	7.163	7.163	0.000	97	6713	0.4639	
* 63 Acenaphthene-d10	164	7.298	7.298	0.000	96	290832	40.0	
65 Acenaphthene	154	7.328	7.328	0.000	97	20032	2.01	
74 Fluorene	166	7.828	7.828	0.000	95	21902	2.13	
* 85 Phenanthrene-d10	188	8.728	8.733	-0.005	99	518212	40.0	
86 Phenanthrene	178	8.751	8.757	-0.006	98	380861	27.7	
87 Anthracene	178	8.804	8.804	0.000	98	100409	7.17	
90 Fluoranthene	202	9.898	9.898	0.000	98	587216	37.2	
92 Pyrene	202	10.116	10.116	0.000	97	472886	38.1	
$ 94 Terphenyl-d14	244	10.269	10.269	0.000	99	384263	49.8	
99 Benzo[a]anthracene	228	11.416	11.416	0.000	99	230147	21.1	
* 100 Chrysene-d12	240	11.427	11.427	0.000	99	325418	40.0	
101 Chrysene	228	11.457	11.457	0.000	99	195282	19.2	
104 Benzo[b]fluoranthene	252	12.798	12.798	0.000	98	239943	22.6	Ma
105 Benzo[k]fluoranthene	252	12.827	12.833	-0.006	99	96136	8.70	M
106 Benzo[a]pyrene	252	13.233	13.233	0.000	97	166603	16.2	
* 107 Perylene-d12	264	13.310	13.310	0.000	97	360618	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.804	14.810	-0.006	98	106369	11.6	
109 Dibenz(a,h)anthracene	278	14.827	14.833	-0.006	91	27316	3.01	
110 Benzo[g,h,i]perylene	276	15.221	15.233	-0.012	96	89832	8.95	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_ISTD_00172	Amount Added:	20.00	Units: uL	Run Reagent

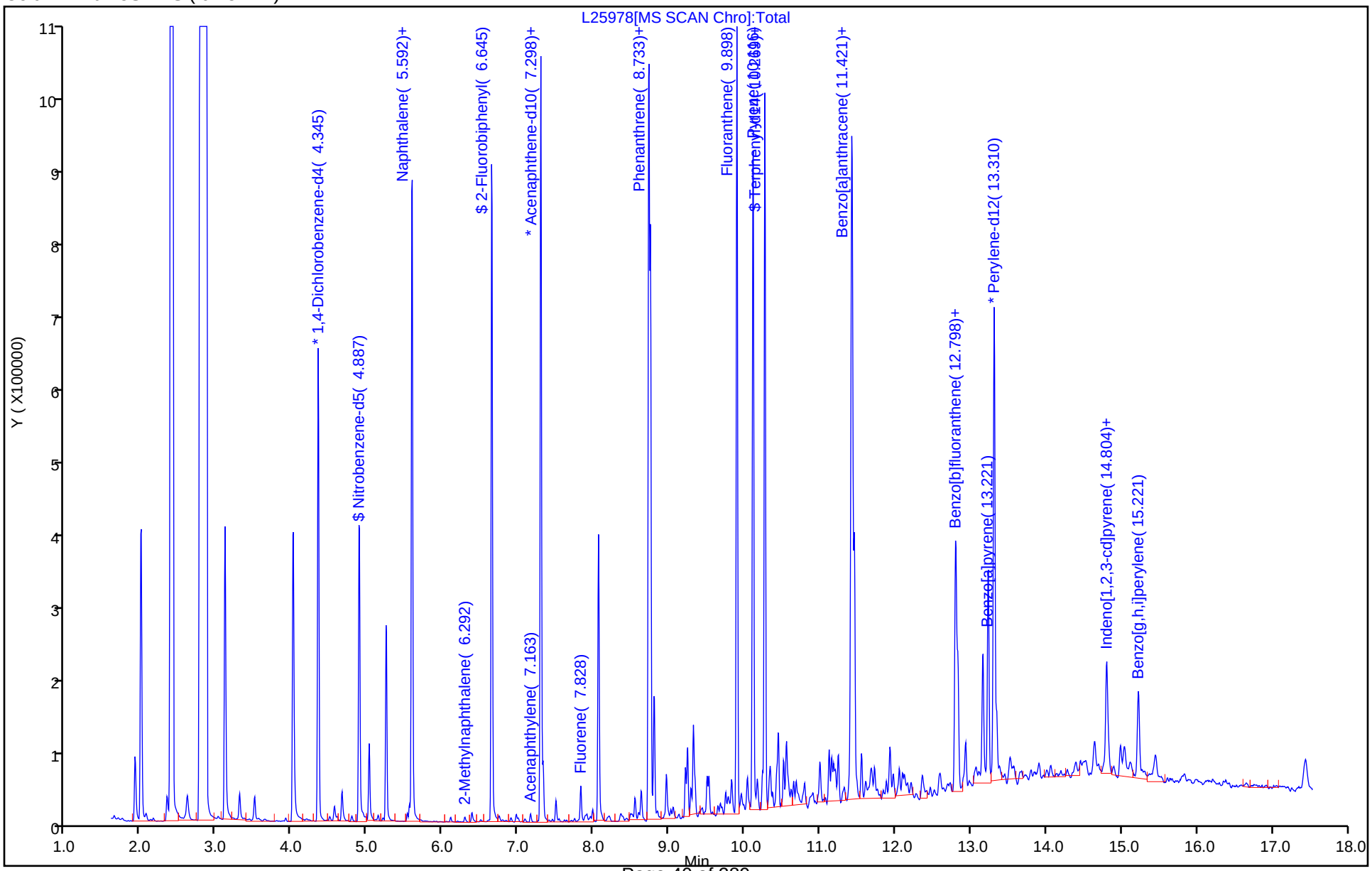
Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d

Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2	Worklist Smp#:	17
Client ID:	B2-G1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

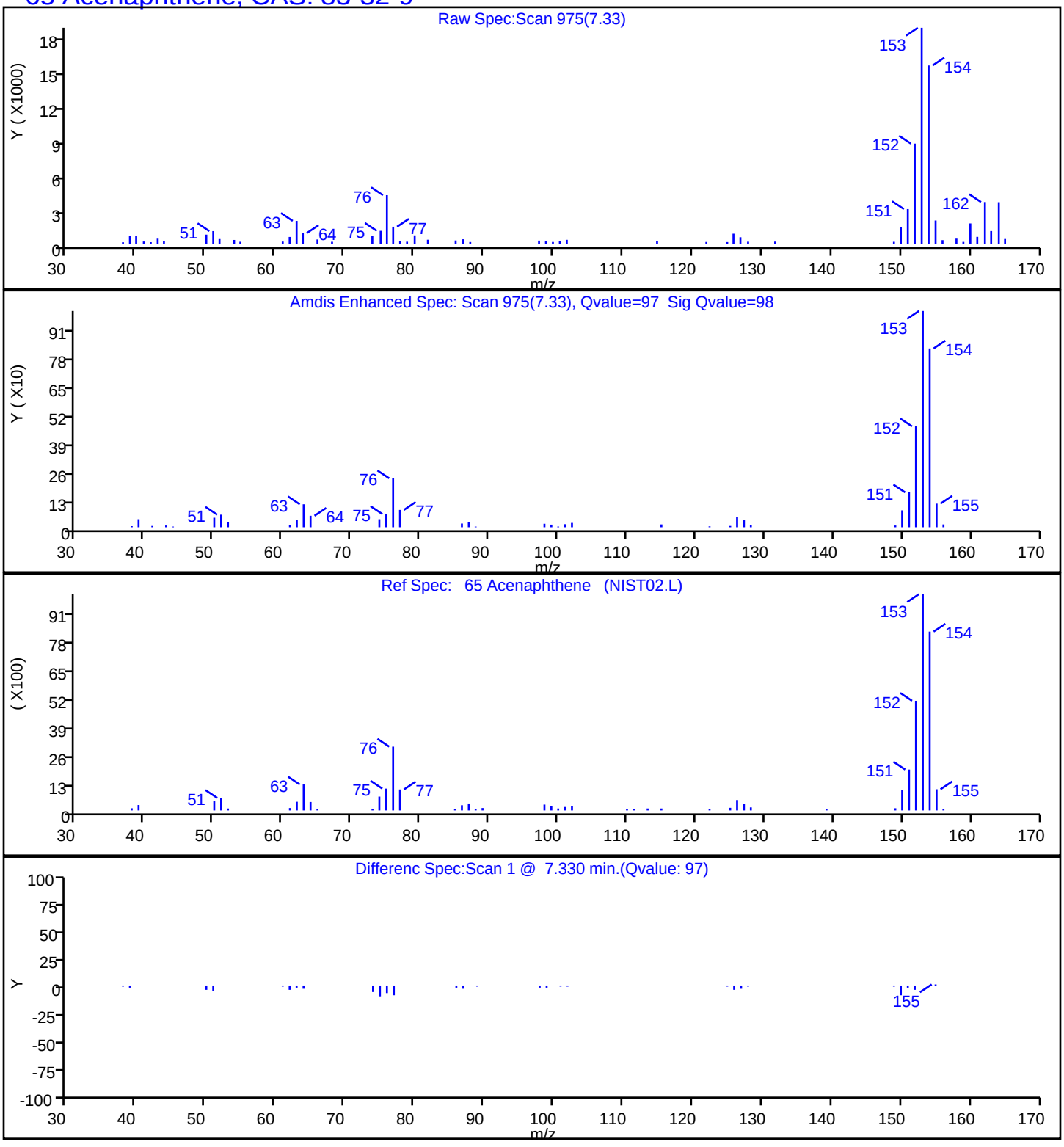


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9

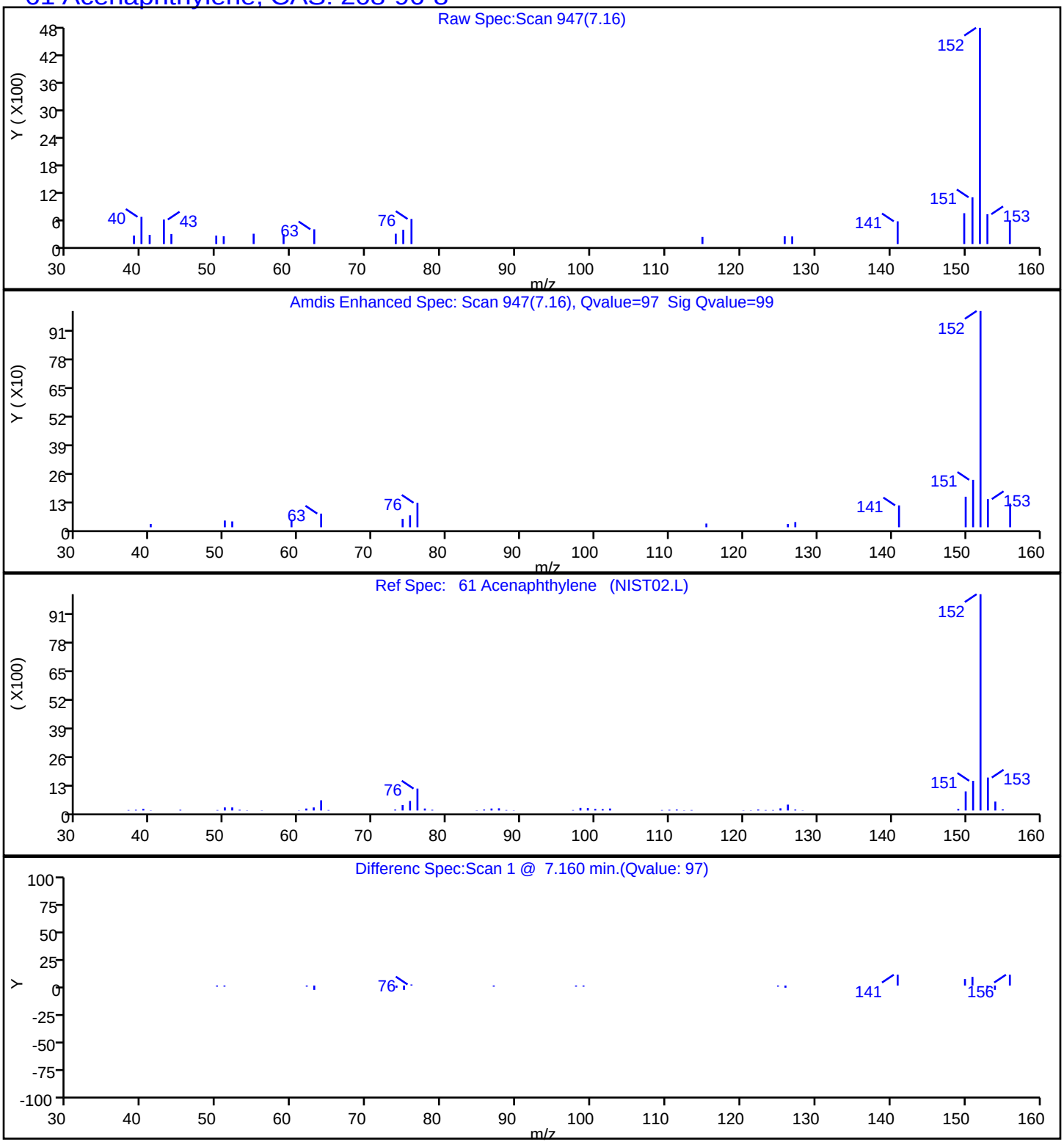


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8

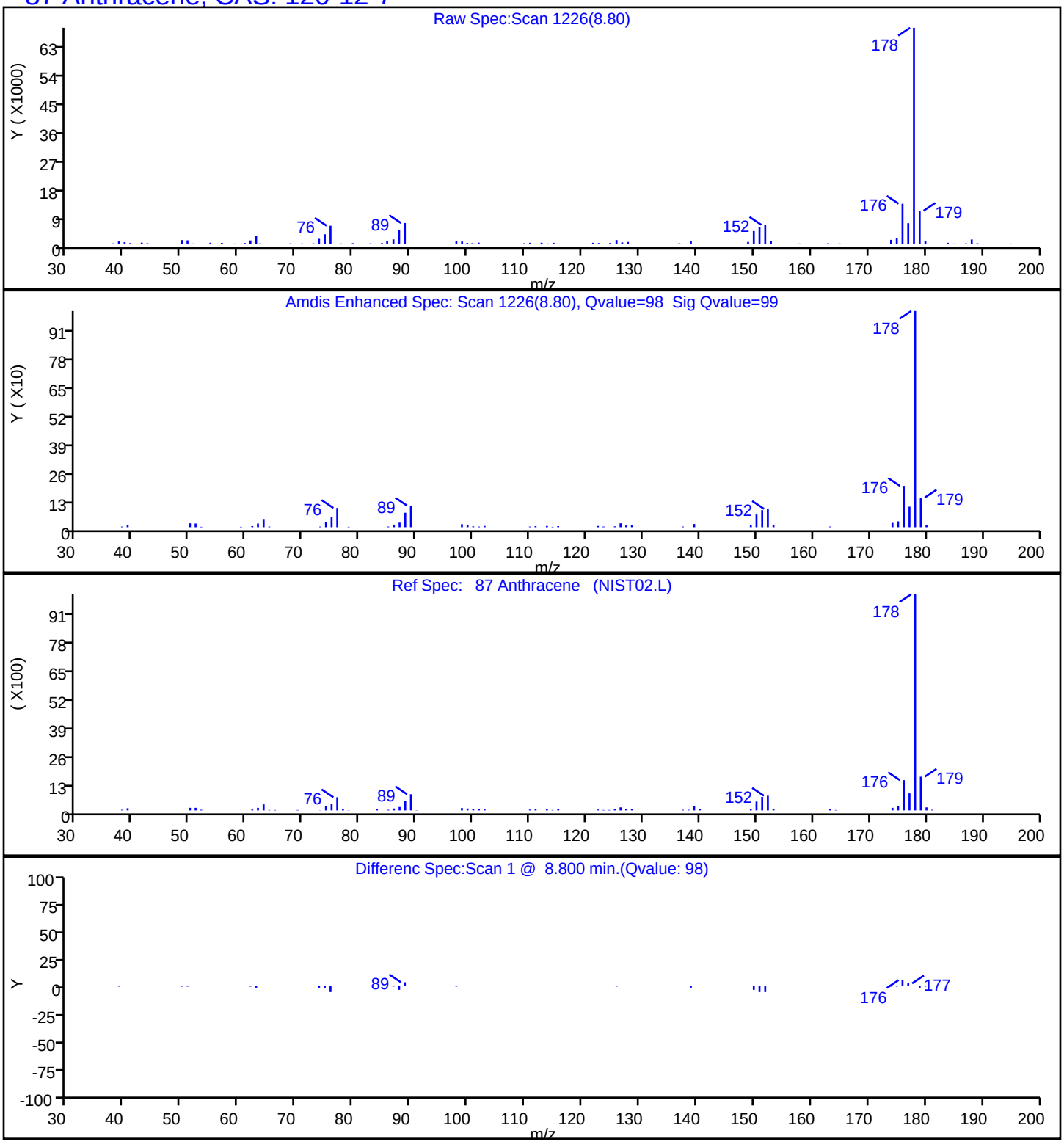


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

87 Anthracene, CAS: 120-12-7

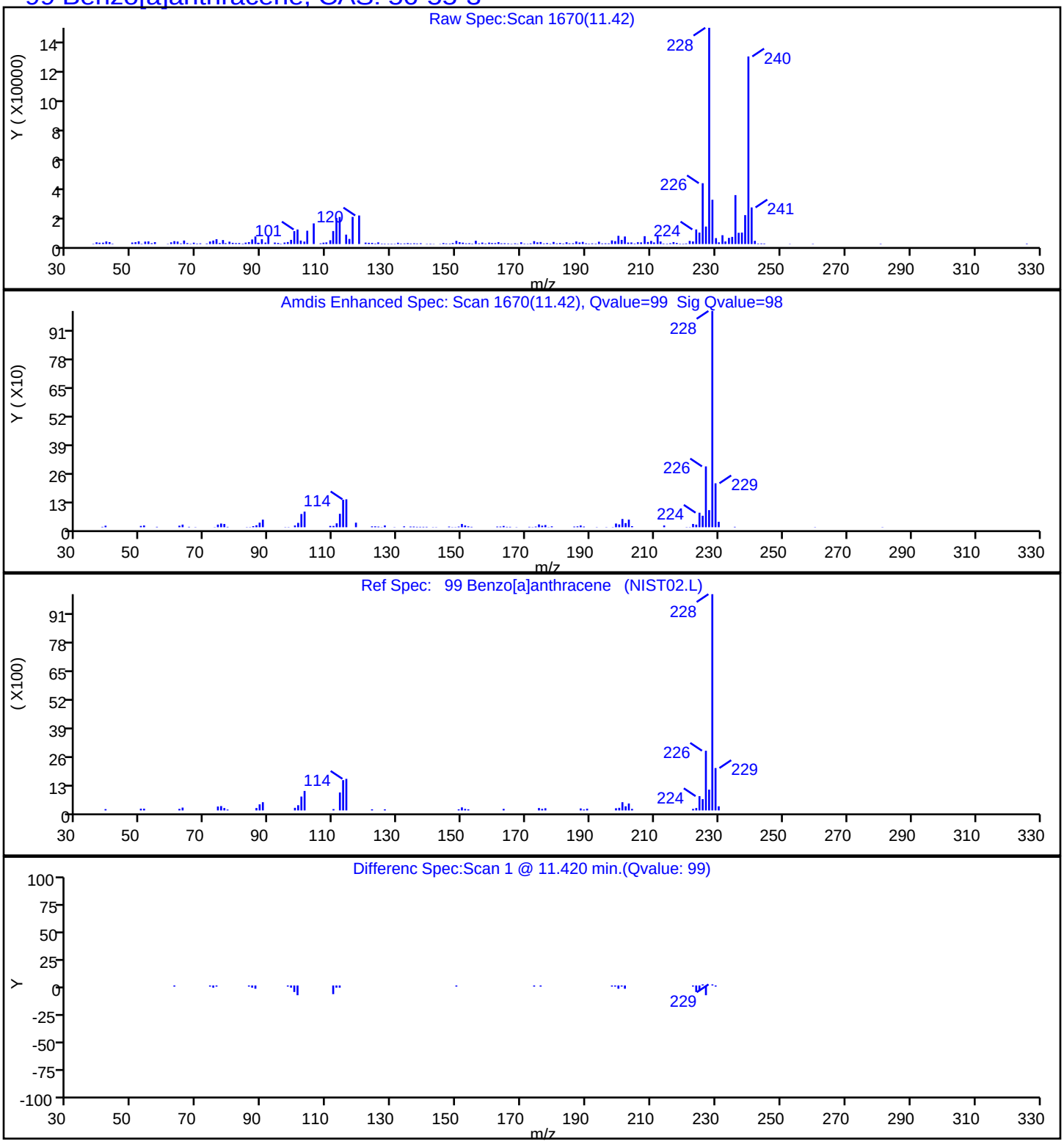


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

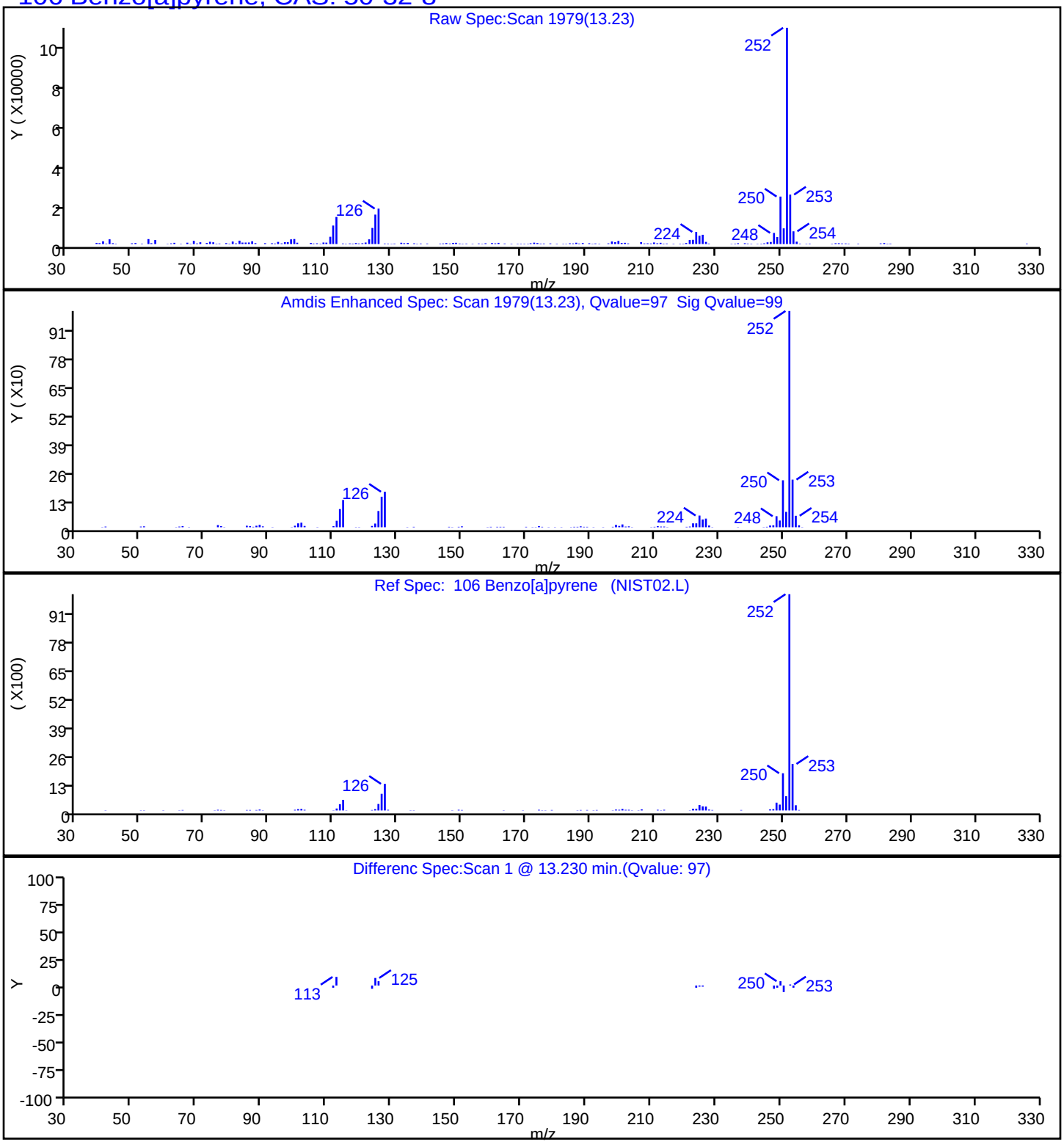


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

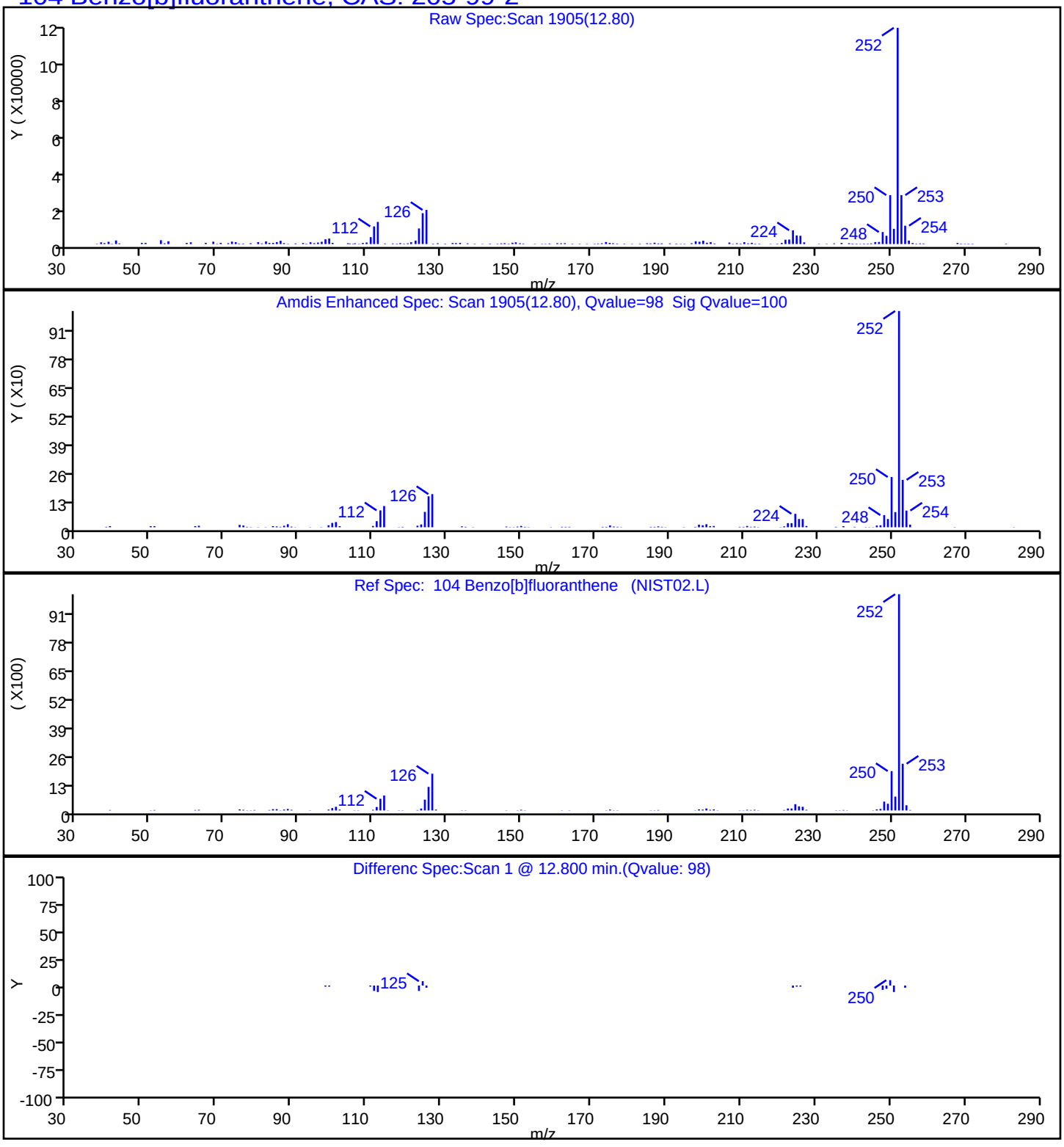


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

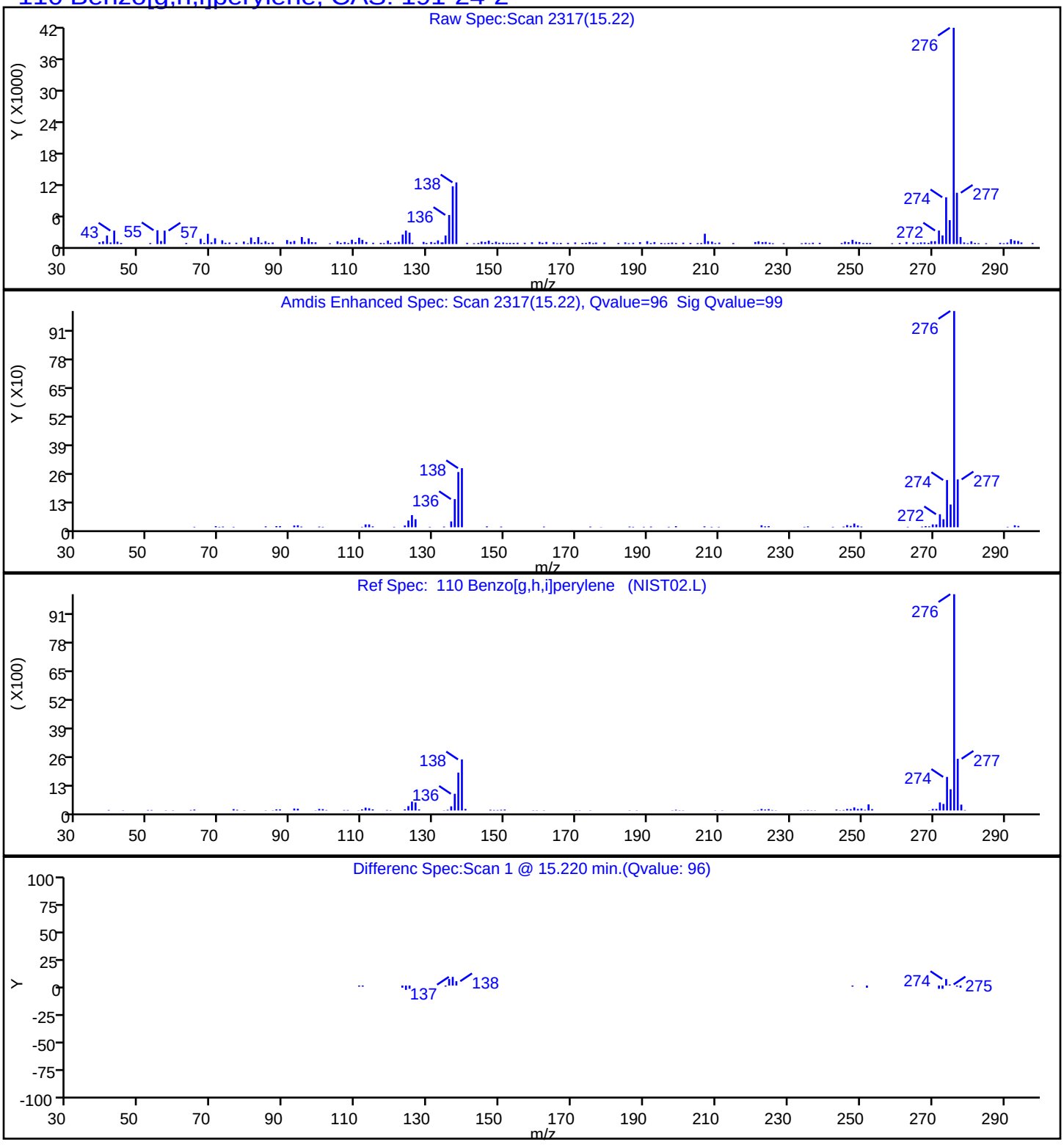


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

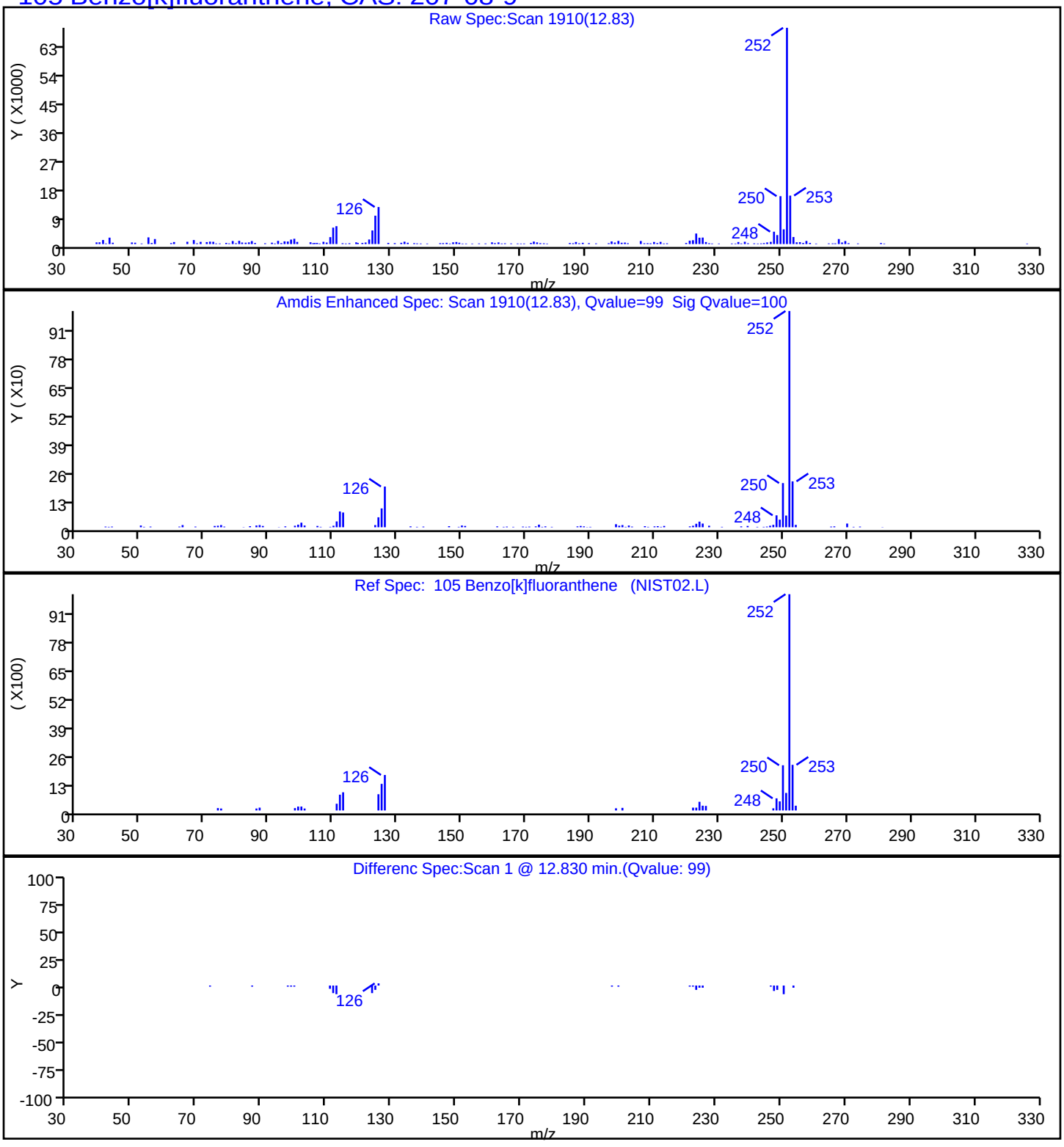


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

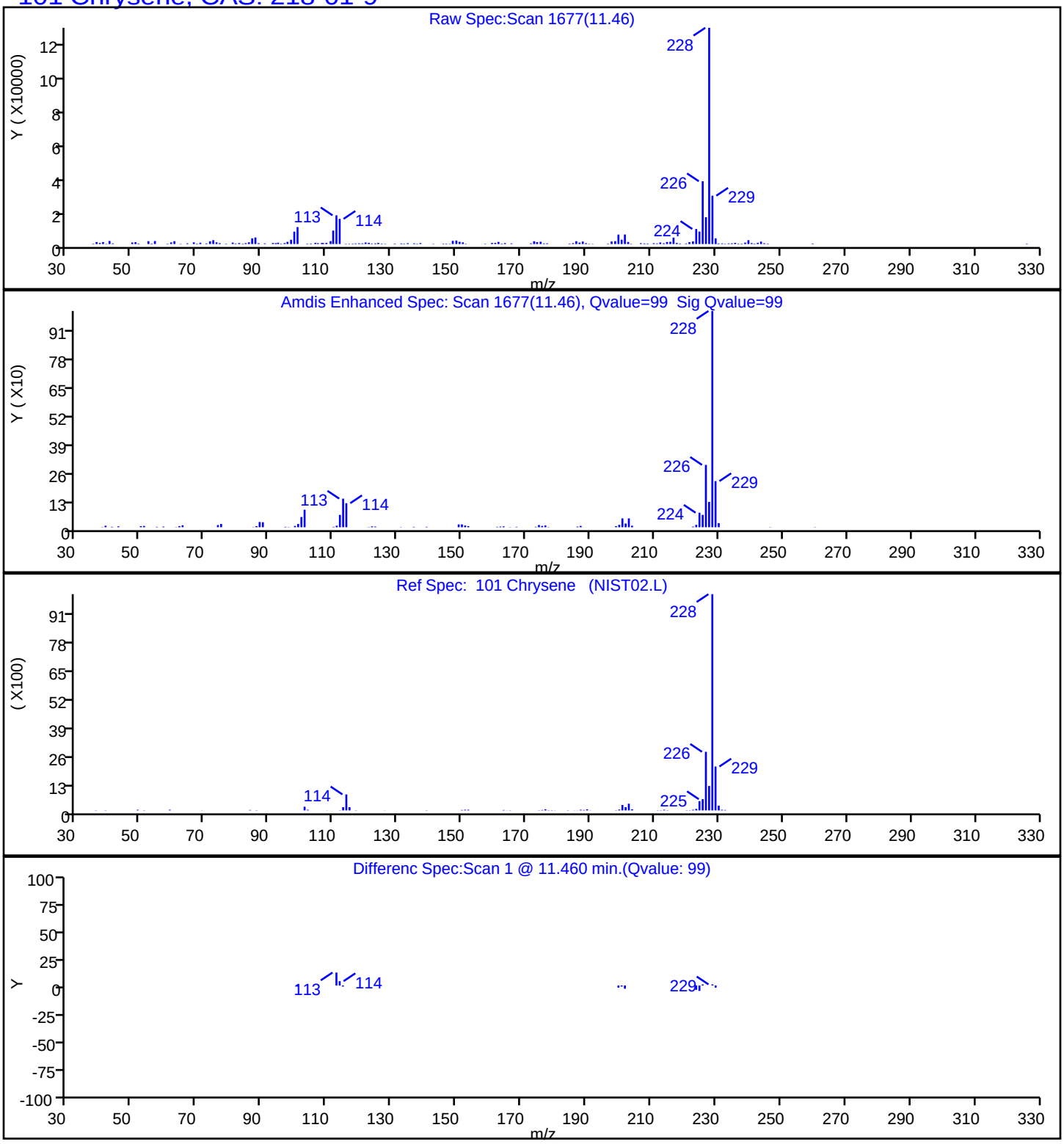


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9

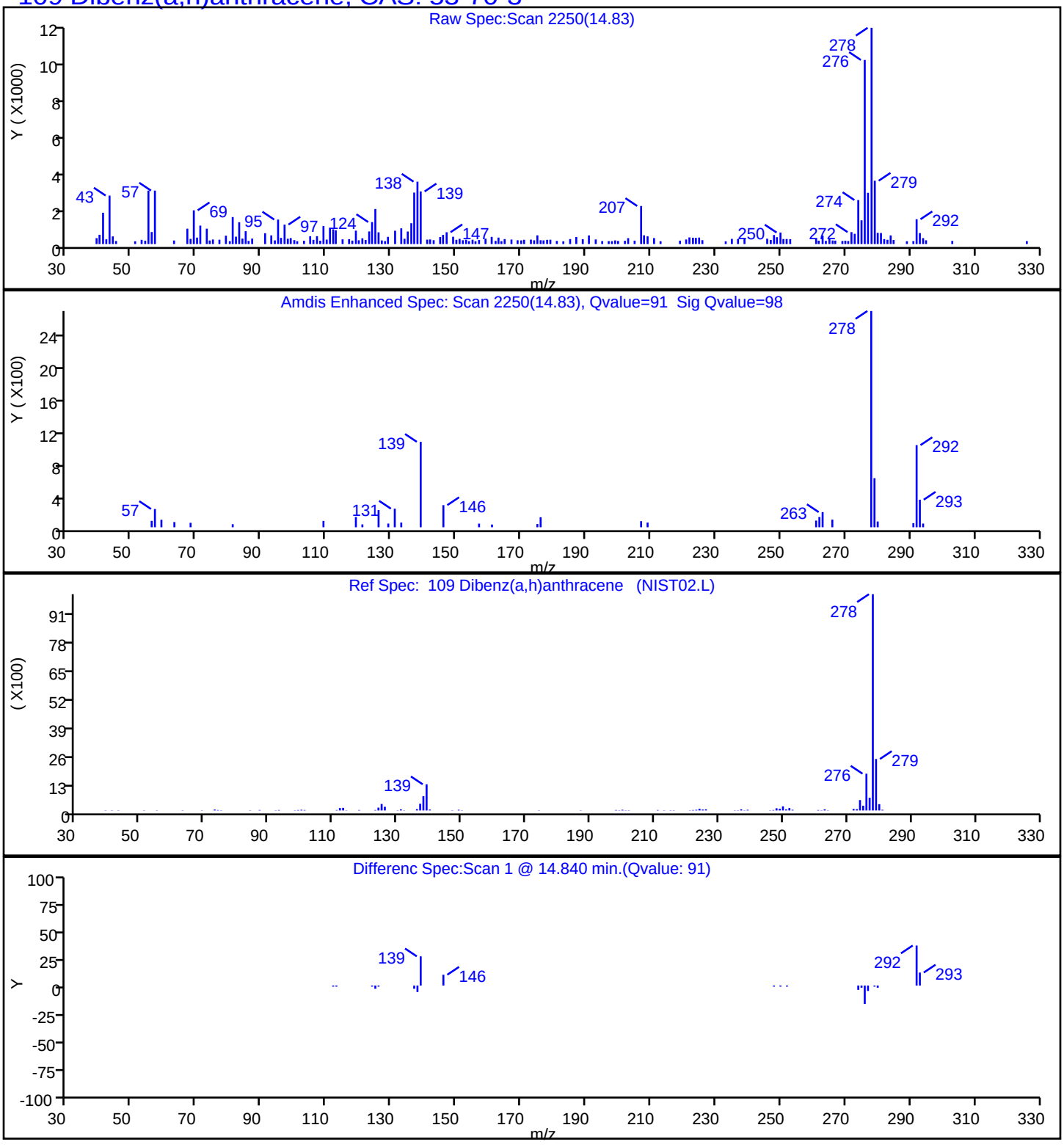


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

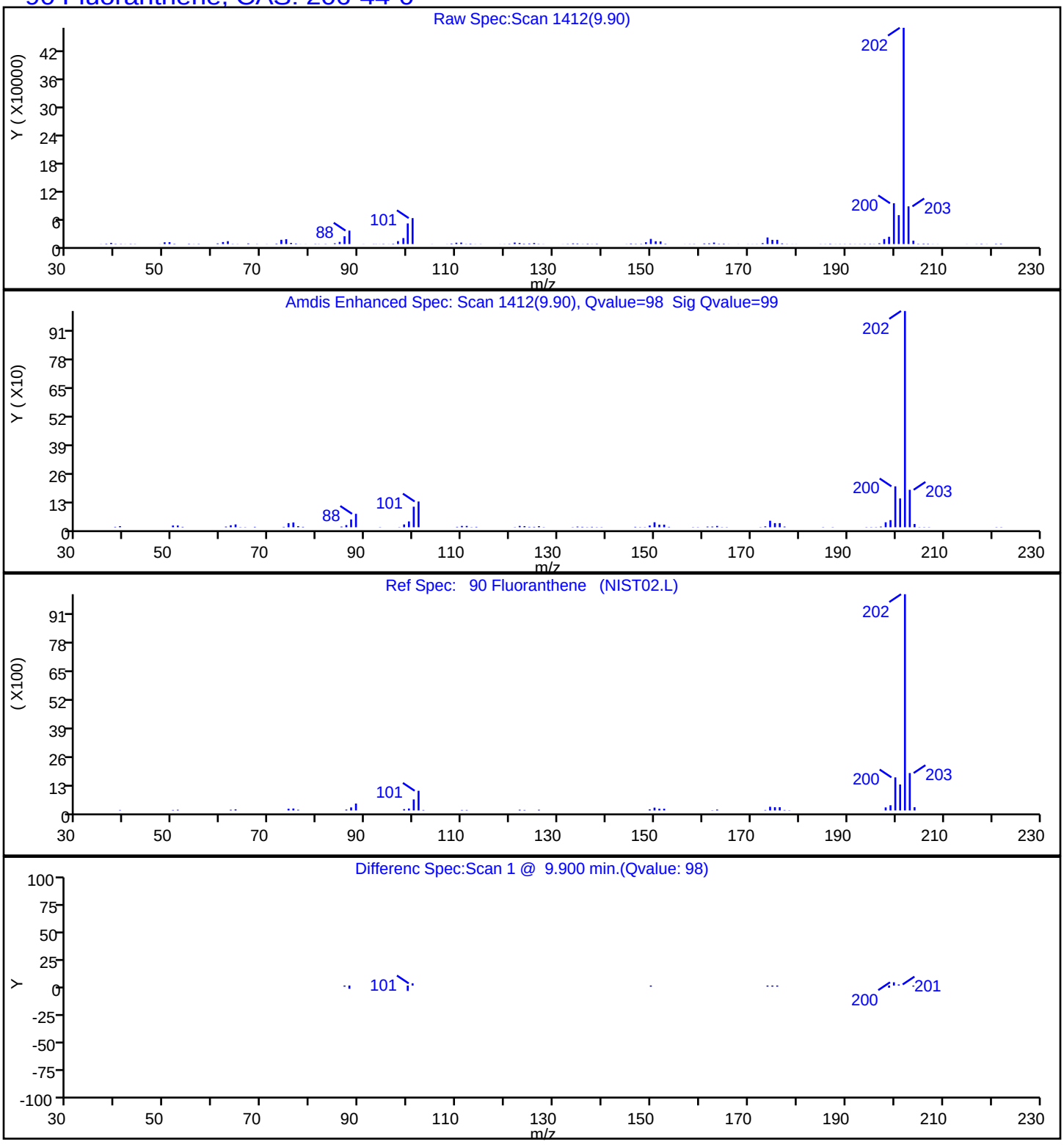


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0

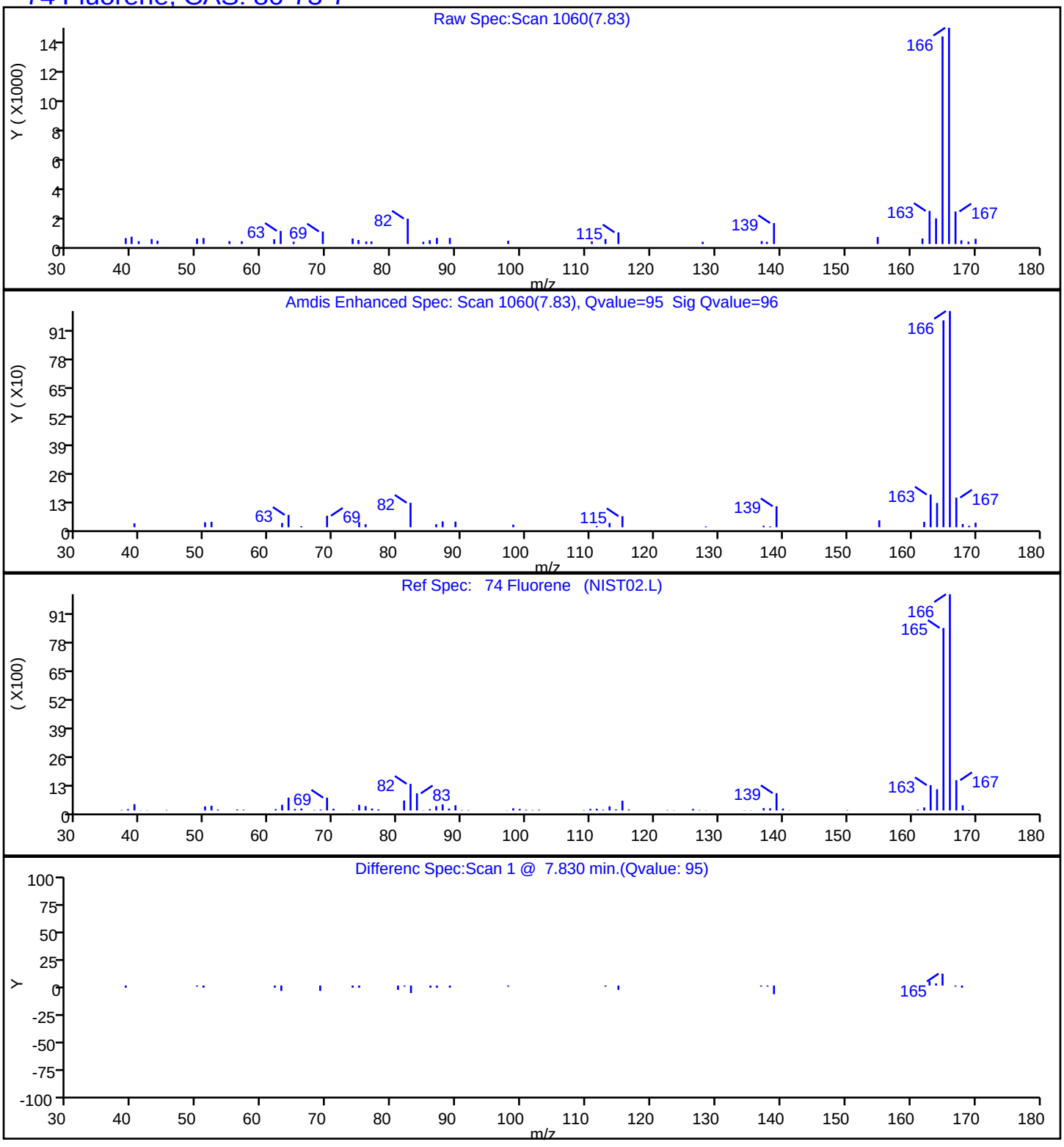


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7

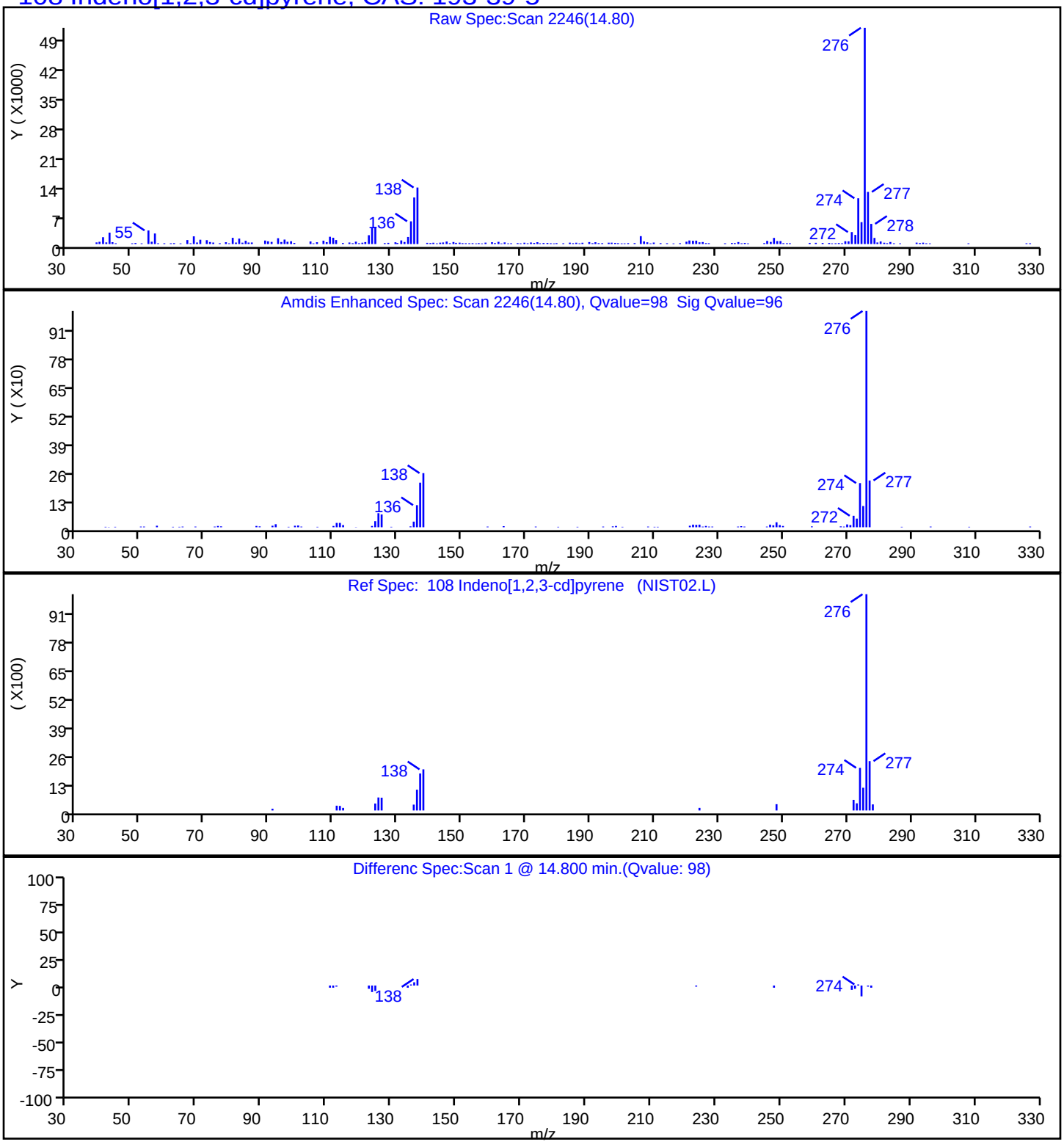


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

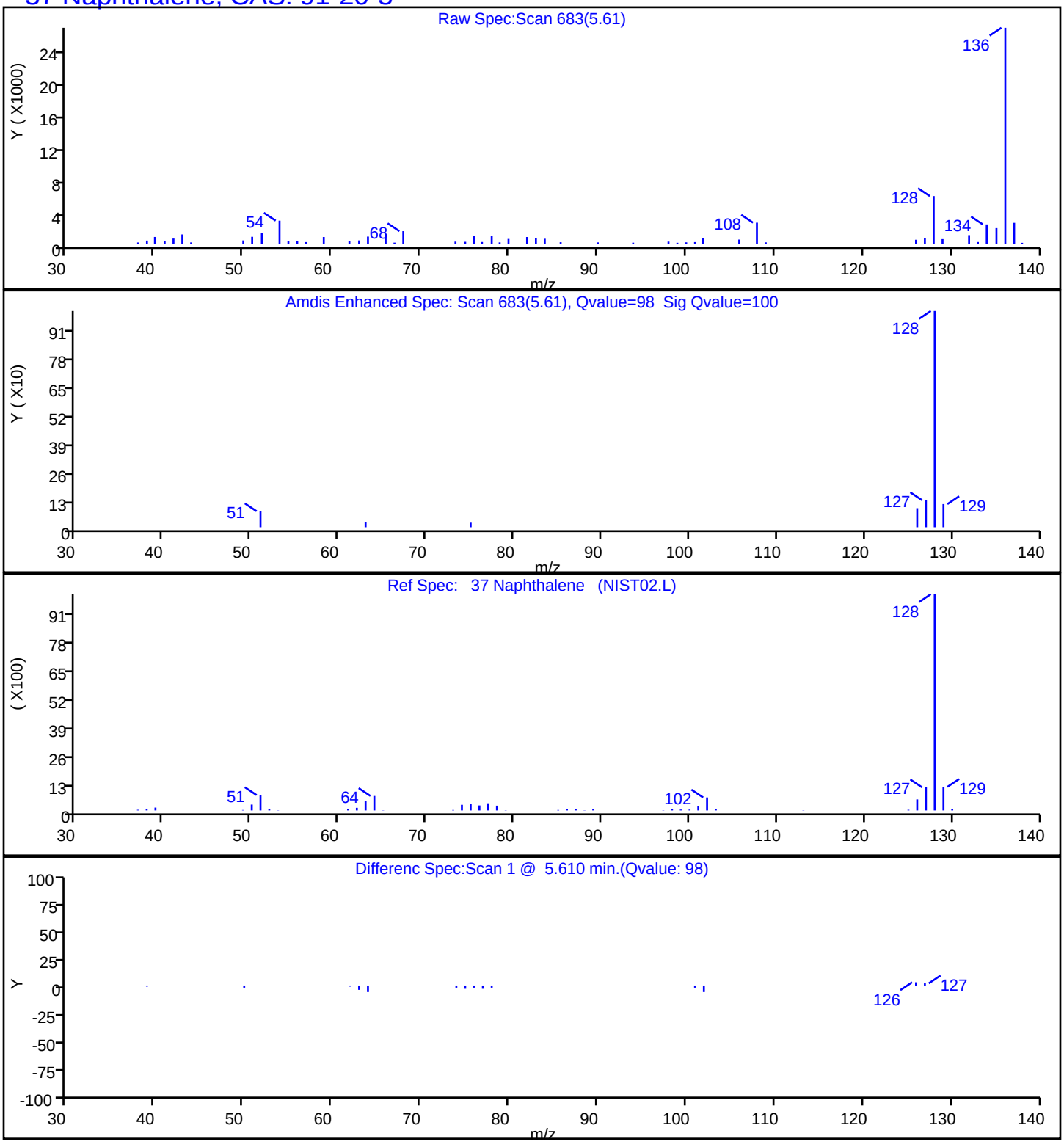


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3

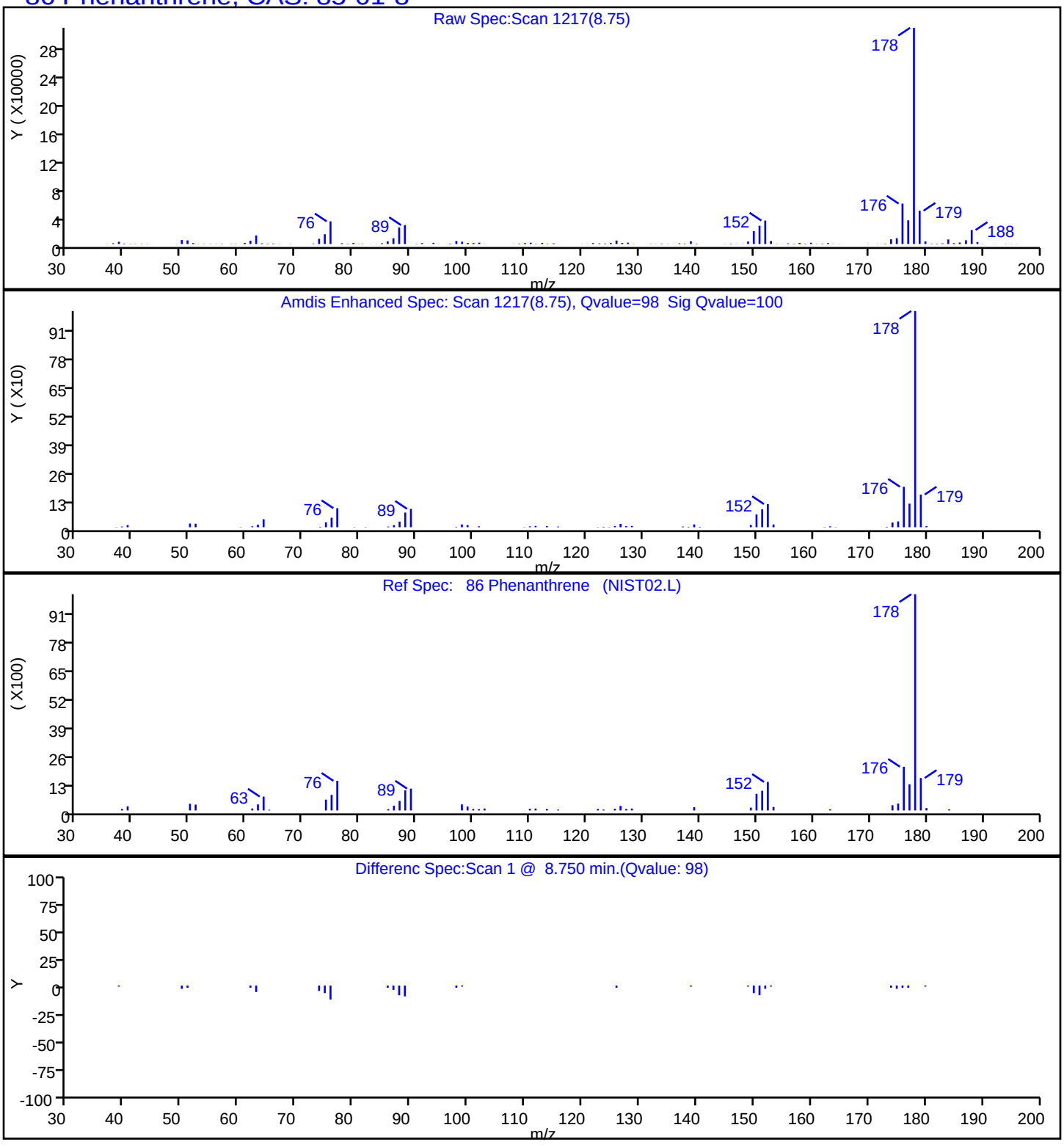


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8

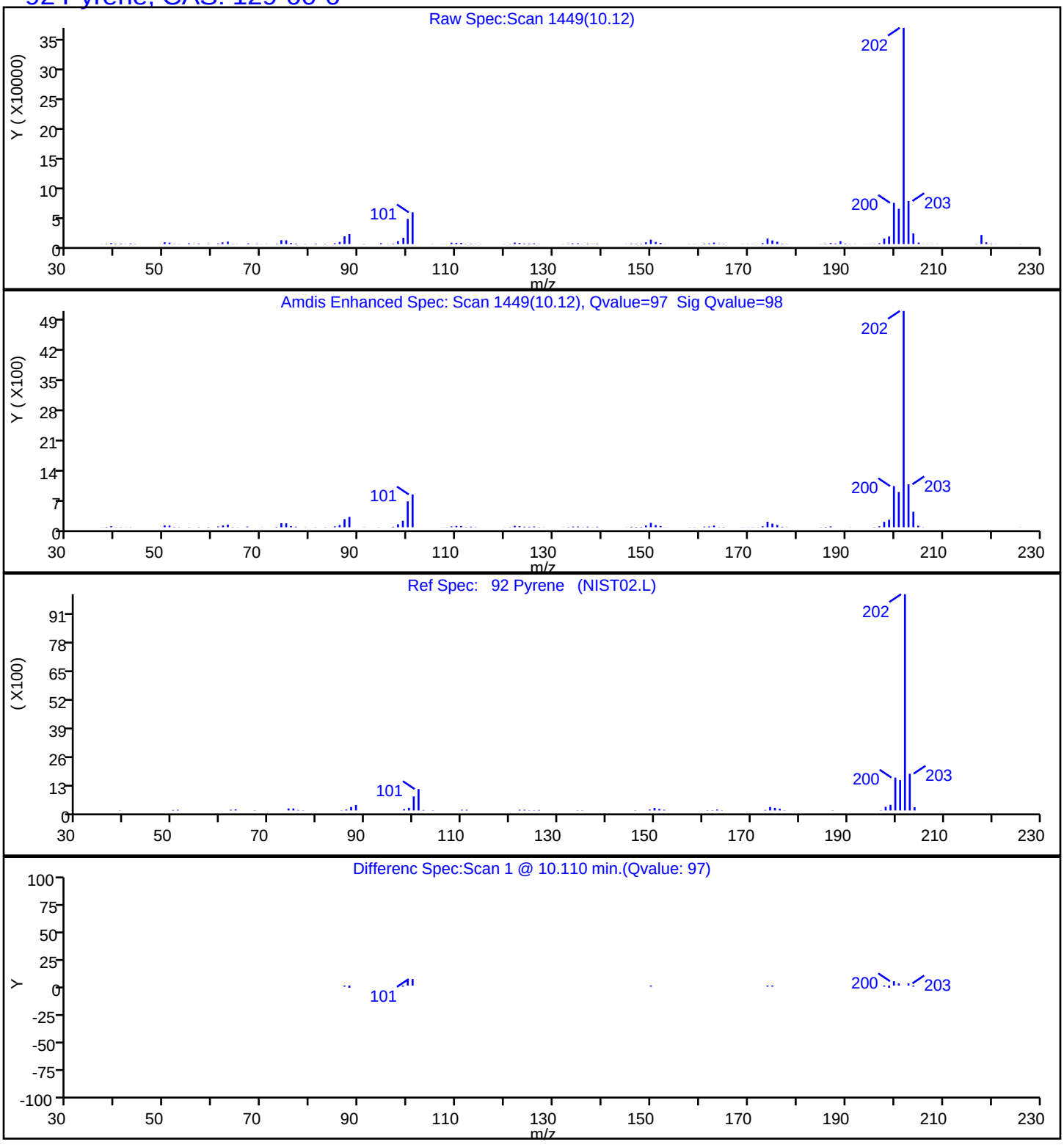


Report Date: 03-Dec-2019 07:54:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

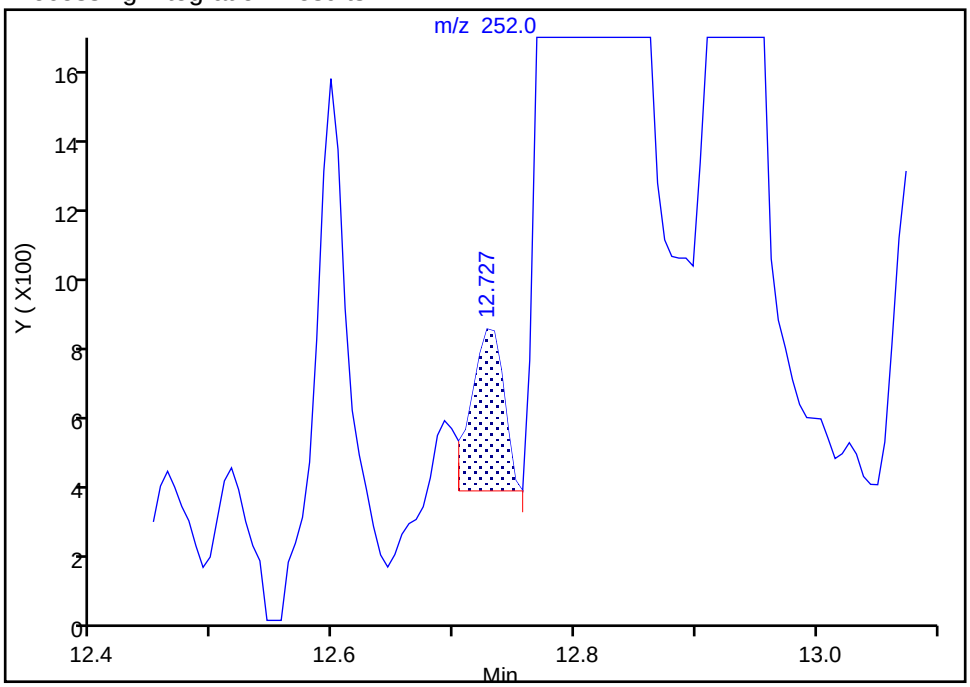
Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

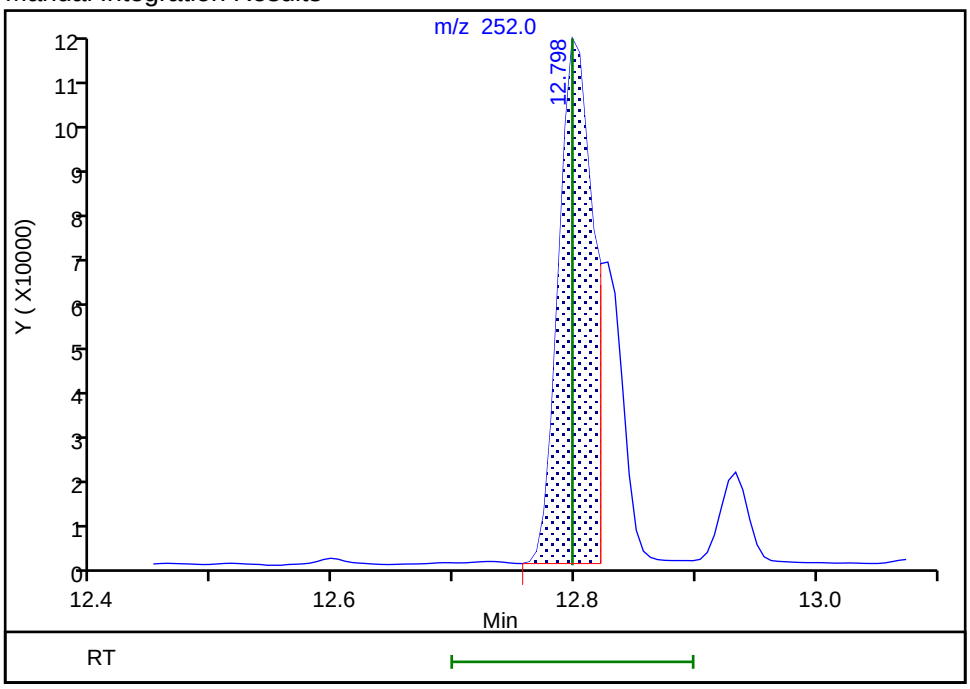
Processing Integration Results

RT: 12.73
Area: 882
Amount: 0.083021
Amount Units: ug/ml



Manual Integration Results

RT: 12.80
Area: 239943
Amount: 22.585398
Amount Units: ug/ml



Reviewer: khlungprakhons, 03-Dec-2019 18:11:16

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Edison

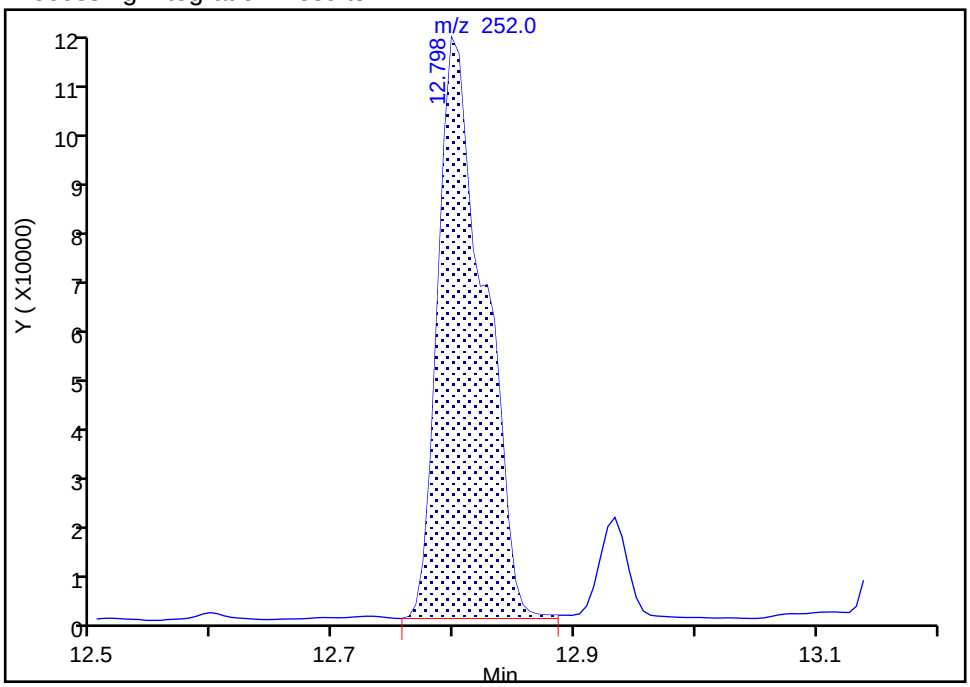
Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25978.d				
Injection Date:	03-Dec-2019 05:44:30	Instrument ID:	CBNAMS12		
Lims ID:	460-197843-A-2-A	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

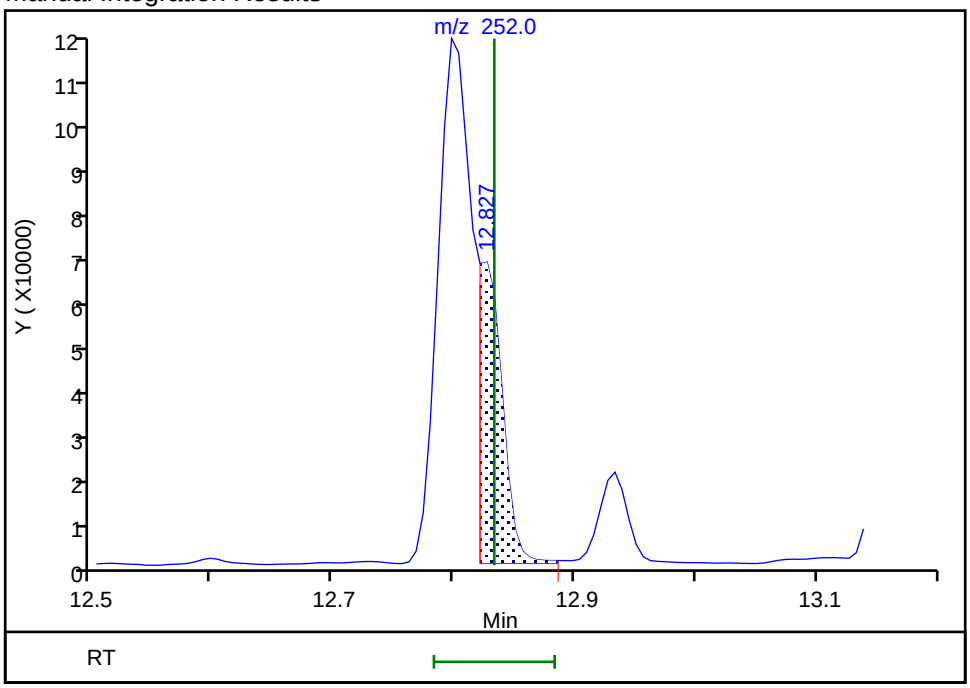
Processing Integration Results

RT: 12.80
Area: 312256
Amount: 28.249573
Amount Units: ug/ml



Manual Integration Results

RT: 12.83
Area: 96136
Amount: 8.697354
Amount Units: ug/ml



Reviewer: khlungprakhons, 03-Dec-2019 18:11:22
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-649268/10	L24929.d
Level 2	STD1 460-649268/9	L24928.d
Level 3	STD2 460-649268/8	L24927.d
Level 4	STD5 460-649268/7	L24926.d
Level 5	STD10 460-649268/6	L24925.d
Level 6	STD20 460-649268/5	L24924.d
Level 7	ICIS 460-649268/2	L24921.d
Level 8	STD80 460-649268/4	L24923.d
Level 9	STD120 460-649268/3	L24922.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	0.3428 0.4810	0.3390 0.4286	0.4457 0.5091	0.4568 0.5132	0.4951	Ave		0.4457				14.8		20.0			
N-Nitrosodimethylamine	0.8507	0.8331	0.8391	0.7718 0.8675	0.8760	Ave		0.8397				4.4		20.0			
Pyridine	1.2373	1.2490	1.3153	1.1284 1.3762	1.2833	Ave		1.2649				6.6		20.0			
Phenol	1.8452	1.7706	1.8128	1.6140 1.9712	1.8492	Ave		1.8105			0.8000	6.5		20.0			
Aniline	2.1852	2.0776	2.1418	1.9984 2.2138	2.2150	Ave		2.1386				4.0		20.0			
Bis(2-chloroethyl)ether	1.4864 1.4093	1.3639 1.3375	1.3737 1.3535	1.3937 1.3864	1.3813	Ave		1.3873			0.7000	3.1		20.0			
2-Chlorophenol	1.4413	1.4023	1.3867	1.3225 1.4175	1.4728	Ave		1.4072			0.8000	3.7		20.0			
n-Decane	2.0157	1.8652	1.8970	1.8314 1.8903	2.0277	Ave		1.9212				4.2		20.0			
1,3-Dichlorobenzene	1.5320	1.4505	1.4619	1.4456 1.4862	1.6061	Ave		1.4970				4.1		20.0			
1,4-Dichlorobenzene	1.5441	1.4494	1.4798	1.4853 1.4957	1.5947	Ave		1.5082				3.5		20.0			
Benzyl alcohol	0.9268	0.9230	0.9221	0.8762 0.9545	0.8968	Ave		0.9166				2.9		20.0			
1,2-Dichlorobenzene	1.4839	1.4102	1.4101	1.4824 1.4076	1.5341	Ave		1.4547				3.7		20.0			
2-Methylphenol	1.2868	1.2357	1.2466	1.1817 1.2772	1.2796	Ave		1.2513			0.7000	3.2		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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	2.9020	2.7750	2.6748	2.7357 2.6509	2.9521	Ave		2.7818			0.0100	4.4		20.0			
N-Methylaniline	1.9999	1.9962	1.9088	1.6525 2.0010	1.9522	Ave		1.9185				7.0		20.0			
3 & 4 Methylphenol	1.4540	1.3662	1.3531	1.3565 1.3627	1.4891	Ave		1.3969				4.2		20.0			
4-Methylphenol	1.4540	1.3662	1.3531	1.3565 1.3627	1.4891	Ave		1.3969			0.6000	4.2		20.0			
N-Nitrosodi-n-propylamine	1.0164 1.0235	0.9692 0.9618	0.8796 0.9441	0.9455 0.9650	1.0159	Ave		0.9690			0.5000	4.7		20.0			
Acetophenone	2.0599	1.9263	1.8647	1.9722 1.8956	2.0618	Ave		1.9634			0.0100	4.2		20.0			
Hexachloroethane	0.6584 0.6064	0.5936 0.5716	0.6016 0.5855	0.5983 0.5936	0.6304	Ave		0.6044			0.3000	4.3		20.0			
Nitrobenzene	0.4301 0.6902	0.5969 0.6522	0.6077 0.6509	0.6304 0.6566	0.6802	Ave		0.6217			0.2000	12.6		20.0			
n,n'-Dimethylaniline	2.2203 1.9965	2.0935 1.9488	1.9491 1.8962	1.8700 1.9494	2.0406	Ave		1.9960				5.4		20.0			
Isophorone	0.6935	0.6704	0.6059 0.6740	0.6304 0.6679	0.6936	Ave		0.6622			0.4000	4.9		20.0			
2-Nitrophenol	0.1937	0.1912	0.1953	0.1658 0.1914	0.1913	Ave		0.1881			0.1000	5.9		20.0			
2,4-Dimethylphenol	0.3076	0.2974	0.3005	0.2946 0.2962	0.3085	Ave		0.3008			0.2000	2.0		20.0			
Benzoic acid	0.1873	0.2027	0.2291	0.0729 0.2437	0.1281	Lin2	-0.853	0.2328			0.0100				0.9940		0.9900
Bis(2-chloroethoxy)methane	0.4343	0.4283	0.4216	0.4214 0.4187	0.4365	Ave		0.4268			0.3000	1.7		20.0			
2,4-Dichlorophenol	0.2916	0.2826	0.2217 0.2800	0.2638 0.2797	0.2724	Ave		0.2703			0.2000	8.5		20.0			
1,2,4-Trichlorobenzene	0.2777 0.3149	0.2971 0.3023	0.3113 0.3031	0.3033 0.3024	0.3264	Ave		0.3043				4.4		20.0			
Naphthalene	0.9893	0.9642	0.9464	0.9496 0.9364	0.9939	Ave		0.9633			0.7000	2.5		20.0			
4-Chloroaniline	0.4273	0.4145	0.4216	0.4146 0.4220	0.4339	Ave		0.4223			0.0100	1.8		20.0			
Hexachlorobutadiene	0.1798	0.1725 0.1733	0.1834 0.1769	0.1802 0.1681	0.1836	Ave		0.1772			0.0100	3.1		20.0			
4-Chloro-3-methylphenol	0.3030	0.2897	0.2958	0.2801 0.2970	0.3014	Ave		0.2945			0.2000	2.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

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	0.6753	0.6501	0.6520	0.6528 0.6431	0.6691	Ave		0.6571			0.4000	1.9		20.0			
1-Methylnaphthalene	0.6121	0.5849	0.6130	0.5953 0.6096	0.6083	Ave		0.6039				1.9		20.0			
Hexachlorocyclopentadiene	0.3880	0.4127	0.4377	0.3698 0.4265	0.3932	Ave		0.4047			0.0500	6.3		20.0			
1,2,4,5-Tetrachlorobenzene	0.6361	0.6134	0.6156	0.6015 0.5803	0.6298	Ave		0.6128			0.0100	3.3		20.0			
2-tertbutyl-4-methylphenol	0.4280	0.4211	0.4257	0.3904 0.4281	0.4178	Ave		0.4185				3.4		20.0			
2,4,6-Trichlorophenol	0.4405	0.4527	0.3356 0.4624	0.4008 0.4315	0.4319	Ave		0.4222			0.2000	10.2		20.0			
2,4,5-Trichlorophenol	0.4871	0.4412	0.4621	0.4305 0.4576	0.4877	Ave		0.4610			0.2000	5.1		20.0			
1,1'-Biphenyl	1.6262	1.5962	1.5824	1.5736 1.5231	1.6546	Ave		1.5927			0.0100	2.8		20.0			
2-Chloronaphthalene	1.2869	1.2245	1.2342	1.2442 1.1684	1.2705	Ave		1.2381			0.8000	3.3		20.0			
Phenyl ether	0.8189	0.8223	0.8108	0.8385 0.7962	0.8086	Ave		0.8159				1.8		20.0			
2-Nitroaniline	0.4944	0.4933	0.4994	0.4712 0.4848	0.5004	Ave		0.4906			0.0100	2.2		20.0			
1,3-Dimethylnaphthalene	0.9962	1.0236	1.0000	0.9174 0.9888	0.9933	Ave		0.9866				3.6		20.0			
Dimethyl phthalate	1.5412	1.4018	1.4205	1.4262 1.3753	1.5276	Ave		1.4488			0.0100	4.7		20.0			
Coumarin	0.2512	0.2402	0.2411	0.2366 0.2493	0.2435	Ave		0.2436				2.3		20.0			
2,6-Dinitrotoluene	0.3258	0.2012 0.3190	0.2532 0.3143	0.3067 0.3120	0.3278	Ave		0.2950			0.2000	15.1		20.0			
Acenaphthylene	2.0504	2.0078	1.9903	1.8857 1.9649	2.0420	Ave		1.9902			0.9000	3.0		20.0			
3-Nitroaniline	0.4029	0.3857	0.3895	0.3535 0.3784	0.3941	Ave		0.3840			0.0100	4.4		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.9595	1.0382	0.9521	1.0235 0.9228	0.9759	Ave		0.9787				4.5		20.0			
Acenaphthene	1.4193	1.3637	1.3766	1.3451 1.3297	1.4100	Ave		1.3741			0.9000	2.6		20.0			
2,4-Dinitrophenol	0.2108	0.2112	0.0624 0.2288	0.1349 0.2256	0.1751	Lin2	-0.672	0.2211			0.0100				0.9960		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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

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	0.3381	0.3129	0.3225	0.2823 0.3143	0.3267	Ave		0.3161			0.0100	6.0		20.0			
2,4-Dinitrotoluene	0.4452	0.3345 0.4227	0.3399 0.4340	0.3924 0.4263	0.4475	Ave		0.4053			0.2000	11.2		20.0			
Dibenzofuran	1.8718	1.7725	1.7956	1.8624 1.7061	1.9223	Ave		1.8218			0.8000	4.3		20.0			
2,3,4,6-Tetrachlorophenol	0.3846	0.3647	0.3744	0.3397 0.3646	0.3773	Ave		0.3675			0.0100	4.3		20.0			
Diethyl phthalate	1.7950	1.5128	1.5551	1.5122 1.5063	1.6618	Ave		1.5905			0.0100	7.3		20.0			
4-Chlorophenyl phenyl ether	0.6871	0.6393	0.6576	0.6775 0.6262	0.6900	Ave		0.6629			0.4000	4.0		20.0			
Fluorene	1.4776	1.3835	1.4053	1.4131 1.3738	1.4394	Ave		1.4154			0.9000	2.7		20.0			
4-Nitroaniline	0.3932	0.3966	0.4055	0.3768 0.4030	0.4054	Ave		0.3968			0.0100	2.8		20.0			
4,6-Dinitro-2-methylphenol	0.1294	0.1268	0.0675 0.1395	0.0958 0.1410	0.1130	Lin2	-0.288	0.1345			0.0100				0.9960		0.9900
N-Nitrosodiphenylamine	0.5565	0.5294	0.5450	0.5344 0.5207	0.5471	Ave		0.5388			0.0100	2.4		20.0			
1,2-Diphenylhydrazine	0.8090	0.7826	0.7934	0.8072 0.7873	0.7970	Ave		0.7961				1.3		20.0			
4-Bromophenyl phenyl ether	0.2015	0.1977	0.2033	0.1995 0.1942	0.2009	Ave		0.1995			0.1000	1.6		20.0			
Hexachlorobenzene	0.2194 0.2471	0.2456 0.2403	0.2349 0.2422	0.2462 0.2330	0.2402	Ave		0.2388			0.1000	3.7		20.0			
Pentachlorophenol	0.1544	0.1548	0.1124 0.1596	0.1421 0.1583	0.1460	Ave		0.1468			0.0500	11.2		20.0			
Pentachloronitrobenzene	0.1017	0.1017	0.1078	0.0956 0.1050	0.1000	Ave		0.1020			0.0100	4.1		20.0			
n-Octadecane	0.6606	0.6480	0.6564	0.6647 0.6226	0.6842	Ave		0.6561				3.1		20.0			
Phenanthrene	1.0842	1.0310	1.0658	1.0603 1.0246	1.1083	Ave		1.0623			0.7000	3.0		20.0			
Anthracene	1.1066	1.0514	1.0925	1.0892 1.0580	1.0900	Ave		1.0813			0.7000	2.0		20.0			
Carbazole	1.0570	1.0328	1.0493	1.0351 1.0220	1.0765	Ave		1.0454			0.0100	1.9		20.0			
Di-n-butyl phthalate	1.4157	1.3646	1.4029	1.3300 1.3535	1.4536	Ave		1.3867			0.0100	3.3		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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

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	1.2424	1.2111	1.2380	1.1880 1.2112	1.2211	Ave		1.2186			0.6000	1.6		20.0			
Benzidine	0.7864	0.8466	0.8575	0.7185 0.8549	0.7027	Ave		0.7944				8.8		20.0			
Pyrene	1.5705	1.4083	1.4961	1.5968 1.4182	1.6743	Ave		1.5274			0.6000	6.9		20.0			
Bisphenol-A	0.6297	0.6985	0.6681	0.5905 0.6530	0.5994	Ave		0.6399				6.5		20.0			
Butyl benzyl phthalate	0.7535	0.7111	0.7301	0.7110 0.7015	0.7586	Ave		0.7277			0.0100	3.3		20.0			
2,3,7,8-TCDD		0.1523				Ave		0.1523						20.0			
Carbamazepine	0.5547	0.5753	0.5917	0.3896 0.6045	0.4806	Ave		0.5327				15.5		20.0			
3,3'-Dichlorobenzidine	0.5357	0.5223	0.3773 0.5512	0.4829 0.5552	0.4941	Ave		0.5027			0.0100	12.3		20.0			
Benzo[a]anthracene	1.4961 1.3582	1.3883 1.2894	1.2177 1.3196	1.3731 1.2232	1.3982	Ave		1.3404			0.8000	6.6		20.0			
Chrysene	1.2895	1.2212	1.2062	1.3430 1.1851	1.2712	Ave		1.2527			0.7000	4.7		20.0			
Bis(2-ethylhexyl) phthalate	1.1046	1.0370	1.0606	1.0140 1.0008	1.0832	Ave		1.0500			0.0100	3.8		20.0			
Di-n-octyl phthalate	1.6948	1.6338	1.6894	1.3856 1.6465	1.7003	Ave		1.6251			0.0100	7.4		20.0			
Benzo[b]fluoranthene	1.0569 1.2269	1.0751 1.2064	1.0299 1.2701	1.1965 1.2349	1.3089	Ave		1.1784			0.7000	8.5		20.0			
Benzo[k]fluoranthene	1.1480 1.3675	1.2102 1.1917	1.1978 1.1929	1.1636 1.1961	1.3667	Ave		1.2261			0.7000	6.7		20.0			
Benzo[a]pyrene	1.1150 1.2457	1.0228 1.1493	1.0344 1.1909	1.0901 1.1803	1.2229	Ave		1.1390			0.7000	7.0		20.0			
Indeno[1,2,3-cd]pyrene	0.8818 1.1503	0.8594 1.0763	0.8903 1.1288	0.9367 1.1541	1.0596	Ave		1.0153			0.5000	12.1		20.0			
Dibenz(a,h)anthracene	0.8615 1.1199	0.8683 1.0732	0.9273 1.1050	0.9650 1.1013	1.0523	Ave		1.0082			0.4000	10.3		20.0			
Benzo[g,h,i]perylene	1.1752	1.0970	1.1406	1.0272 1.1346	1.1051	Ave		1.1133			0.5000	4.5		20.0			
2-Fluorophenol (Surr)	1.3347	1.5053 1.3779	1.2418 1.4197	1.2277 1.4524	1.3827	Ave		1.3678				7.1		20.0			
Phenol-d5 (Surr)	1.6802	1.6713 1.7242	1.5273 1.7755	1.5627 1.7872	1.7399	Ave		1.6836				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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

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)	0.3820 0.3647	0.3871 0.3738	0.3685 0.3797	0.3379 0.3710	0.3777	Ave		0.3714				3.9		20.0			
2-Fluorobiphenyl	1.8067 1.4486	1.6210 1.4719	1.5152 1.4638	1.5029 1.4111	1.4808	Ave		1.5247				7.9		20.0			
2,4,6-Tribromophenol (Surr)	 0.2369	0.1827 0.2246	0.1803 0.2396	0.2097 0.2366	0.2539	Ave		0.2206				12.3		20.0			
Terphenyl-d14 (Surr)	0.9248 0.9469	0.9315 0.8519	0.9475 1.0013	0.9635 0.9423	1.0291	Ave		0.9488				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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-649268/10	L24929.d
Level 2	STD1 460-649268/9	L24928.d
Level 3	STD2 460-649268/8	L24927.d
Level 4	STD5 460-649268/7	L24926.d
Level 5	STD10 460-649268/6	L24925.d
Level 6	STD20 460-649268/5	L24924.d
Level 7	ICIS 460-649268/2	L24921.d
Level 8	STD80 460-649268/4	L24923.d
Level 9	STD120 460-649268/3	L24922.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	404 21717	815 60349	1970 103684	6053 141270	12832	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd 4	Ave	38404	117304	170893	10228 238819	22701	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCBd 4	Ave	111718	351718	535774	29907 757713	66514	40.0	100	160	10.0 240	20.0
Phenol	DCBd 4	Ave	83300	249302	369221	21388 542681	47923	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCBd 4	Ave	98649	292528	436225	26482 609458	57403	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	1752 63624	3279 188322	6072 275662	18469 381675	35797	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd 4	Ave	65066	197448	282433	17525 390240	38169	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCBd 4	Ave	91001	262621	386353	24269 520393	52549	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	69161	204235	297743	19157 409137	41622	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	69708	204081	301387	19683 411751	41329	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCBd 4	Ave	41842	129959	187813	11611 262779	23242	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	66992	198555	287186	19644 387497	39757	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCBd 4	Ave	58092	173983	253890	15659 351618	33163	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	131012	390726	544775	36253 729777	76505	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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

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	90285	281065	388769	21899 550876	50594	20.0	50.0	80.0	5.00 120	10.0
3 & 4 Methylphenol	DCBd 4	Ave	65639	192357	275591	17976 375137	38590	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd 4	Ave	65639	192357	275591	17976 375137	38590	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	1198 46207	2330 135420	3888 192290	12529 265668	26327	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acetophenone	DCBd 4	Ave	92996	271216	379788	26135 521843	53434	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCBd 4	Ave	776 27377	1427 80487	2659 119250	7929 163406	16338	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	DCBd 4	Ave	507 31161	1435 91834	2686 132564	8354 180773	17628	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd 4	Ave	2617 90133	5033 274386	8615 386196	24781 536657	52883	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	123561	362626	10725 530467	32872 734352	71035	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	34513	103424	153673	8648 210490	19590	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	54804	160881	236481	15360 325621	31599	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	33364	109645	180311	3799 267969	13118	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	77374	231648	331784	21975 460304	44705	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	51954	152836	3925 220380	13756 307476	27902	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	1279 56099	2827 163517	5511 238588	15813 332487	33429	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	176272	521571	744825	49516 1029597	101793	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	76127	224183	331786	21620 464009	44441	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	32035	1641 93763	3247 139247	9395 184847	18806	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	53983	156715	232794	14606 326545	30866	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	120314	351633	513145	34038 707126	68528	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	109060	316398	482430	31041 670221	62305	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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

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	33728	106563	167490	9590 234495	19616	20.0	50.0	80.0	5.00 120	10.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	55296	158393	235535	15598 319034	31421	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	76263	227804	335002	20359 470677	42787	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	38290	116899	2925 176931	10395 237227	21548	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	42344	113929	176830	11164 251547	24334	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	141361	412181	605483	40809 837347	82549	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	111865	316189	472256	32266 642362	63386	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	71187	212339	310230	21745 437743	40343	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	42977	127372	191105	12221 266537	24966	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	86599	264314	382651	23792 543609	49556	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	133970	361964	543515	36987 756104	76216	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	44753	129933	189752	12335 274045	24939	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	28321	949 82376	2207 120245	7954 171537	16356	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	178233	518461	761551	48902 1080230	101878	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	35025	99600	149030	9167 208026	19662	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	83403	268077	364299	26542 507314	48691	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	123371	352136	526735	34884 730984	70346	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	36648	109076	1088 175116	6996 248049	17471	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	58783	161593	246788	14644 345547	32597	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	38699	1578 109154	2963 166047	10177 234374	22325	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	162709	457704	687053	48298 937927	95905	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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

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	33434	94172	143240	8809 200448	18822	20.0	50.0	80.0	5.00 120	10.0
Diethyl phthalate	ANT	Ave	156036	390641	595021	39215 828076	82909	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	59724	165072	251618	17571 344244	34426	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	128441	357259	537729	36645 755238	71813	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	34182	102416	155173	9772 221557	20225	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	43713	124172	2206 200276	9355 291745	21951	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	93990	259116	391319	26084 538859	53116	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	136631	383075	569630	39401 814735	77383	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	34036	96764	145960	9739 201002	19504	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	953 41726	2105 117636	3836 173888	12016 241091	23318	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	52142	151527	3670 229158	13870 327633	28355	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	17175	49793	77392	4667 108704	9709	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	111569	317165	471290	32448 644254	66431	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	183117	504617	765169	51754 1060280	107606	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	186896	514640	784391	53165 1094847	105835	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	178518	505517	753323	50527 1057593	104519	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	239099	667913	1007206	64919 1400671	141139	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	209835	592764	888847	57992 1253386	118567	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	132814	414373	615639	35074 884648	68228	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	219549	606655	917133	60046 1290451	129388	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	88023	300907	409563	22205 594147	46318	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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

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	105341	306334	447592	26738 638342	58627	20.0	50.0	80.0	5.00 120	10.0
2,3,7,8-TCDD	CRY	Ave		656					0.500			
Carbamazepine	CRY	Ave	77546	247821	362724	14651 550083	37142	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	74891	225000	5246 337881	18160 505208	38185	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	5507 189873	9883 555433	16931 808943	51634 1112984	108054	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	180265	526077	739399	50502 1078309	98239	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	154422	446706	650191	38129 910659	83710	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	266077	803745	1177091	59090 1718749	137224	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	4165 192620	8557 593493	16427 884915	51025 1289135	105636	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	4524 214683	9632 586256	19106 831161	49625 1248625	110299	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	4394 195572	8141 565357	16500 829772	46489 1232096	98691	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	3475 180594	6840 529462	14201 786500	39948 1204724	85518	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	3395 175813	6911 527924	14791 769880	41153 1149602	84929	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	184503	539653	794709	43804 1184370	89186	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd 4	Ave	60257	3619 194015	5489 289141	16269 399848	35835	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCBd 4	Ave	75854	4018 242774	6751 361612	20708 492024	45091	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	1759 64978	3683 202220	6523 298830	17619 407936	38685	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	4118 125922	7647 380079	13208 560087	38974 775778	73878	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	20594	862 58005	1572 91693	5437 130081	12669	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	3404 132372	6631 366993	13175 613829	36232 857396	79531	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.: 460-197843-1 Analy Batch No.: 649268

SDG No.:

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

Calibration Start Date: 10/22/2019 09:58 Calibration End Date: 10/22/2019 12:57 Calibration ID: 77222

Curve Type Legend:

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24921.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 22-Oct-2019 09:58:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-002
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:08 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 10:28:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.008	2.008	0.000	94	60349	50.0	48.1	
2 N-Nitrosodimethylamine	74	2.255	2.255	0.000	85	117304	50.0	49.6	
3 Pyridine	79	2.284	2.284	0.000	79	351718	100.0	98.7	
$ 4 2-Fluorophenol	112	3.466	3.466	0.000	96	194015	50.0	50.4	
$ 6 Phenol-d5	99	4.343	4.343	0.000	0	242774	50.0	51.2	
7 Phenol	94	4.354	4.354	0.000	98	249302	50.0	48.9	
8 Aniline	93	4.390	4.390	0.000	99	292528	50.0	48.6	
9 Bis(2-chloroethyl)ether	93	4.449	4.449	0.000	92	188322	50.0	48.2	
10 2-Chlorophenol	128	4.507	4.507	0.000	95	197448	50.0	49.8	
11 n-Decane	43	4.554	4.554	0.000	93	262621	50.0	48.5	
12 1,3-Dichlorobenzene	146	4.654	4.654	0.000	95	204235	50.0	48.4	
* 13 1,4-Dichlorobenzene-d4	152	4.701	4.701	0.000	95	112640	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.719	4.719	0.000	94	204081	50.0	48.1	
15 Benzyl alcohol	108	4.825	4.825	0.000	93	129959	50.0	50.4	
16 1,2-Dichlorobenzene	146	4.866	4.866	0.000	95	198555	50.0	48.5	
17 2-Methylphenol	108	4.931	4.931	0.000	92	173983	50.0	49.4	
18 2,2'-oxybis[1-chloropropan	45	4.954	4.954	0.000	94	390726	50.0	49.9	
130 N-Methylaniline	106	5.072	5.072	0.000	0	281065	50.0	52.0	
20 3 & 4 Methylphenol	108	5.078	5.078	0.000	87	192357	50.0	48.9	
22 Acetophenone	105	5.078	5.078	0.000	87	271216	50.0	49.1	
19 4-Methylphenol	108	5.078	5.078	0.000	83	192357	50.0	48.9	
21 N-Nitrosodi-n-propylamine	70	5.078	5.078	0.000	92	135420	50.0	49.6	
25 Hexachloroethane	117	5.190	5.190	0.000	96	80487	50.0	47.3	
$ 26 Nitrobenzene-d5	82	5.225	5.225	0.000	89	202220	50.0	50.3	
27 Nitrobenzene	123	5.243	5.243	0.000	90	91834	50.0	52.5	
28 n,n'-Dimethylaniline	120	5.249	5.249	0.000	92	274386	50.0	48.8	
29 Isophorone	82	5.466	5.466	0.000	99	362626	50.0	50.6	
30 2-Nitrophenol	139	5.543	5.543	0.000	91	103424	50.0	50.8	
31 2,4-Dimethylphenol	122	5.578	5.578	0.000	90	160881	50.0	49.4	
32 Bis(2-chloroethoxy)methane	93	5.666	5.666	0.000	96	231648	50.0	50.2	
33 Benzoic acid	122	5.672	5.672	0.000	89	109645	50.0	47.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.772	5.772	0.000	95	152836	50.0	52.3	
35 1,2,4-Trichlorobenzene	180	5.854	5.854	0.000	95	163517	50.0	49.7	
* 36 Naphthalene-d8	136	5.907	5.907	0.000	99	432730	40.0	40.0	
37 Naphthalene	128	5.925	5.925	0.000	99	521571	50.0	50.0	
38 4-Chloroaniline	127	5.972	5.972	0.000	96	224183	50.0	49.1	
39 Hexachlorobutadiene	225	6.054	6.054	0.000	96	93763	50.0	48.9	
41 4-Chloro-3-methylphenol	107	6.431	6.431	0.000	98	156715	50.0	49.2	
42 2-Methylnaphthalene	142	6.584	6.584	0.000	85	351633	50.0	49.5	
43 1-Methylnaphthalene	142	6.678	6.678	0.000	92	316398	50.0	48.4	
45 1,2,4,5-Tetrachlorobenzene	216	6.743	6.743	0.000	97	158393	50.0	50.1	
44 Hexachlorocyclopentadiene	237	6.743	6.743	0.000	97	106563	50.0	51.0	
46 2-tertbutyl-4-methylphenol	149	6.766	6.766	0.000	90	227804	50.0	50.3	
48 2,4,6-Trichlorophenol	196	6.848	6.848	0.000	89	116899	50.0	53.6	
49 2,4,5-Trichlorophenol	196	6.878	6.878	0.000	97	113929	50.0	47.8	
$ 50 2-Fluorobiphenyl	172	6.931	6.931	0.000	98	380079	50.0	48.3	
51 1,1'-Biphenyl	154	7.025	7.025	0.000	96	412181	50.0	50.1	
52 2-Chloronaphthalene	162	7.043	7.043	0.000	98	316189	50.0	49.4	
53 Phenyl ether	170	7.125	7.125	0.000	90	212339	50.0	50.4	
54 2-Nitroaniline	65	7.137	7.137	0.000	98	127372	50.0	50.3	
55 1,3-Dimethylnaphthalene	156	7.248	7.248	0.000	92	264314	50.0	51.9	
58 Dimethyl phthalate	163	7.313	7.313	0.000	98	361964	50.0	48.4	
59 Coumarin	146	7.331	7.331	0.000	78	129933	50.0	49.3	
60 2,6-Dinitrotoluene	165	7.366	7.366	0.000	94	82376	50.0	54.1	
61 Acenaphthylene	152	7.437	7.437	0.000	98	518461	50.0	50.4	
62 3-Nitroaniline	138	7.525	7.525	0.000	94	99600	50.0	50.2	
* 63 Acenaphthene-d10	164	7.572	7.572	0.000	96	206578	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.590	7.590	0.000	99	268077	50.0	53.0	
65 Acenaphthene	154	7.601	7.601	0.000	96	352136	50.0	49.6	
66 2,4-Dinitrophenol	184	7.619	7.619	0.000	94	109076	100.0	98.5	a
67 4-Nitrophenol	65	7.684	7.684	0.000	94	161593	100.0	99.0	
68 2,4-Dinitrotoluene	165	7.742	7.742	0.000	95	109154	50.0	52.1	
69 Dibenzofuran	168	7.766	7.766	0.000	96	457704	50.0	48.6	
70 2,3,4,6-Tetrachlorophenol	232	7.878	7.878	0.000	93	94172	50.0	49.6	
71 Diethyl phthalate	149	7.984	7.984	0.000	98	390641	50.0	47.6	
73 4-Chlorophenyl phenyl ethe	204	8.084	8.084	0.000	88	165072	50.0	48.2	
74 Fluorene	166	8.089	8.089	0.000	97	357259	50.0	48.9	
75 4-Nitroaniline	138	8.101	8.101	0.000	93	102416	50.0	50.0	
76 4,6-Dinitro-2-methylphenol	198	8.131	8.131	0.000	82	124172	100.0	96.5	
77 N-Nitrosodiphenylamine	169	8.195	8.195	0.000	99	259116	50.0	49.1	
78 1,2-Diphenylhydrazine	77	8.237	8.237	0.000	99	383075	50.0	49.2	
$ 79 2,4,6-Tribromophenol	330	8.313	8.313	0.000	94	58005	50.0	50.9	
80 4-Bromophenyl phenyl ether	248	8.548	8.548	0.000	87	96764	50.0	49.5	
81 Hexachlorobenzene	284	8.613	8.613	0.000	96	117636	50.0	50.3	
83 Pentachlorophenol	266	8.795	8.795	0.000	93	151527	100.0	105.5	
84 Pentachloronitrobenzene	237	8.813	8.813	0.000	87	49793	50.0	49.9	
72 n-Octadecane	57	8.878	8.878	0.000	89	317165	50.0	49.4	
* 85 Phenanthrene-d10	188	8.972	8.972	0.000	99	391569	40.0	40.0	
86 Phenanthrene	178	8.995	8.995	0.000	98	504617	50.0	48.5	
87 Anthracene	178	9.042	9.042	0.000	98	514640	50.0	48.6	
88 Carbazole	167	9.189	9.189	0.000	96	505517	50.0	49.4	
89 Di-n-butyl phthalate	149	9.525	9.525	0.000	100	667913	50.0	49.2	
90 Fluoranthene	202	10.119	10.119	0.000	98	592764	50.0	49.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Benzidine	184	10.242	10.242	0.000	100	414373	50.0	53.3	a
92 Pyrene	202	10.336	10.336	0.000	97	606655	50.0	46.1	
93 Bisphenol-A	213	10.383	10.383	0.000	98	300907	50.0	54.6	
$ 94 Terphenyl-d14	244	10.495	10.495	0.000	100	366993	50.0	44.9	
95 Butyl benzyl phthalate	149	11.013	11.013	0.000	96	306334	50.0	48.9	
96 2,3,7,8-TCDD	320	11.119	11.119	0.000	1	656	0.5000	0.5000	
97 Carbamazepine	193	11.136	11.136	0.000	93	247821	50.0	54.0	
98 3,3'-Dichlorobenzidine	252	11.630	11.630	0.000	99	225000	50.0	52.0	
99 Benzo[a]anthracene	228	11.654	11.654	0.000	99	555433	50.0	48.1	
* 100 Chrysene-d12	240	11.672	11.672	0.000	99	344621	40.0	40.0	
101 Chrysene	228	11.701	11.701	0.000	99	526077	50.0	48.7	
102 Bis(2-ethylhexyl) phthalat	149	11.713	11.713	0.000	88	446706	50.0	49.4	
103 Di-n-octyl phthalate	149	12.607	12.607	0.000	97	803745	50.0	50.3	
104 Benzo[b]fluoranthene	252	13.119	13.119	0.000	99	593493	50.0	51.2	
105 Benzo[k]fluoranthene	252	13.160	13.160	0.000	99	586256	50.0	48.6	
106 Benzo[a]pyrene	252	13.595	13.595	0.000	97	565357	50.0	50.4	
* 107 Perylene-d12	264	13.677	13.677	0.000	97	393548	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.401	15.401	0.000	98	529462	50.0	53.0	
109 Dibenz(a,h)anthracene	278	15.448	15.448	0.000	96	527924	50.0	53.2	
110 Benzo[g,h,i]perylene	276	15.901	15.901	0.000	96	539653	50.0	49.3	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L6_00037 Amount Added: 1.00 Units: mL

Report Date: 23-Oct-2019 07:41:09 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24921.d

Injection Date: 22-Oct-2019 09:58:30 Instrument ID: CBNAMS12 Operator ID:

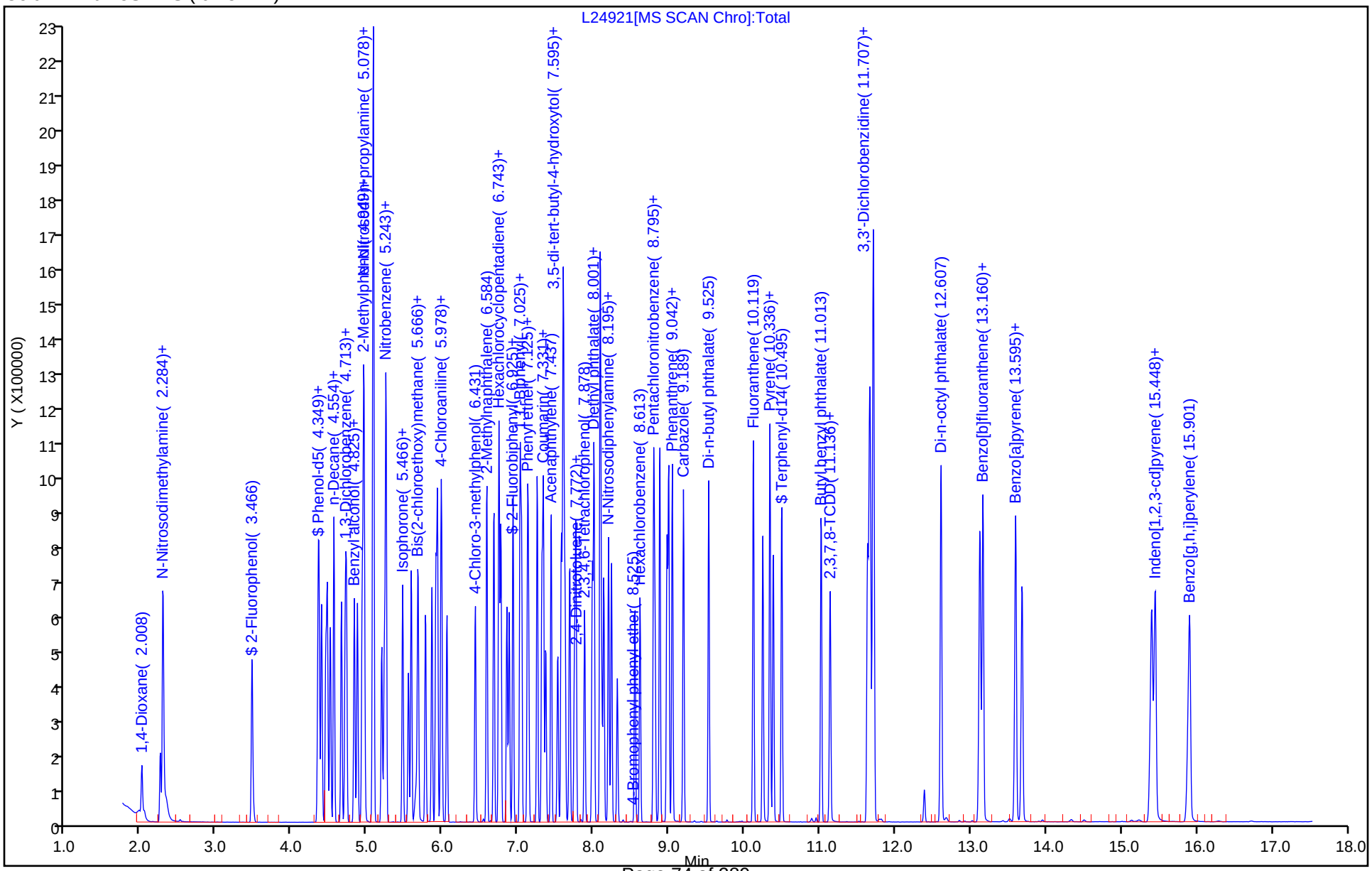
Lims ID: ICIS Worklist Smp#: 2

Client ID:

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

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24922.d
Lims ID: STD120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 22-Oct-2019 10:20:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-003
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:13 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 11:01:10

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	2.002	2.008	-0.006	94	141270	120.0	138.2	
2 N-Nitrosodimethylamine	74	2.249	2.255	-0.006	84	238819	120.0	124.0	
3 Pyridine	79	2.278	2.284	-0.006	78	757713	240.0	261.1	
$ 4 2-Fluorophenol	112	3.466	3.466	0.000	93	399848	120.0	127.4	
$ 6 Phenol-d5	99	4.348	4.343	0.005	0	492024	120.0	127.4	
7 Phenol	94	4.366	4.354	0.012	98	542681	120.0	130.7	
8 Aniline	93	4.390	4.390	0.000	100	609458	120.0	124.2	
9 Bis(2-chloroethyl)ether	93	4.448	4.449	-0.001	91	381675	120.0	119.9	
10 2-Chlorophenol	128	4.507	4.507	0.000	94	390240	120.0	120.9	
11 n-Decane	43	4.554	4.554	0.000	93	520393	120.0	118.1	
12 1,3-Dichlorobenzene	146	4.654	4.654	0.000	95	409137	120.0	119.1	
* 13 1,4-Dichlorobenzene-d4	152	4.701	4.701	0.000	94	91766	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.719	4.719	0.000	93	411751	120.0	119.0	
15 Benzyl alcohol	108	4.831	4.825	0.006	93	262779	120.0	125.0	
16 1,2-Dichlorobenzene	146	4.866	4.866	0.000	95	387497	120.0	116.1	
17 2-Methylphenol	108	4.931	4.931	0.000	91	351618	120.0	122.5	
18 2,2'-oxybis[1-chloropropan	45	4.954	4.954	0.000	93	729777	120.0	114.4	
130 N-Methylaniline	106	5.072	5.072	0.000	0	550876	120.0	125.2	
20 3 & 4 Methylphenol	108	5.084	5.078	0.006	88	375137	120.0	117.1	
22 Acetophenone	105	5.084	5.078	0.006	90	521843	120.0	115.9	
19 4-Methylphenol	108	5.084	5.078	0.006	84	375137	120.0	117.1	
21 N-Nitrosodi-n-propylamine	70	5.090	5.078	0.012	92	265668	120.0	119.5	
25 Hexachloroethane	117	5.190	5.190	0.000	96	163406	120.0	117.9	
$ 26 Nitrobenzene-d5	82	5.225	5.225	0.000	92	407936	120.0	119.9	
27 Nitrobenzene	123	5.248	5.243	0.005	90	180773	120.0	126.7	
28 n,n'-Dimethylaniline	120	5.248	5.249	0.000	96	536657	120.0	117.2	
29 Isophorone	82	5.478	5.466	0.012	99	734352	120.0	121.0	
30 2-Nitrophenol	139	5.542	5.543	-0.001	90	210490	120.0	122.1	
31 2,4-Dimethylphenol	122	5.584	5.578	0.006	90	325621	120.0	118.2	
32 Bis(2-chloroethoxy)methane	93	5.672	5.666	0.006	95	460304	120.0	117.7	
33 Benzoic acid	122	5.713	5.672	0.041	88	267969	120.0	129.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.772	5.772	0.000	95	307476	120.0	124.2	
35 1,2,4-Trichlorobenzene	180	5.854	5.854	0.000	95	332487	120.0	119.3	
* 36 Naphthalene-d8	136	5.907	5.907	0.000	99	366491	40.0	40.0	
37 Naphthalene	128	5.931	5.925	0.006	99	1029597	120.0	116.7	
38 4-Chloroaniline	127	5.978	5.972	0.006	96	464009	120.0	119.9	
39 Hexachlorobutadiene	225	6.054	6.054	0.000	96	184847	120.0	113.8	
41 4-Chloro-3-methylphenol	107	6.431	6.431	0.000	98	326545	120.0	121.0	
42 2-Methylnaphthalene	142	6.584	6.584	0.000	84	707126	120.0	117.5	
43 1-Methylnaphthalene	142	6.678	6.678	0.000	92	670221	120.0	121.1	
45 1,2,4,5-Tetrachlorobenzene	216	6.748	6.743	0.005	97	319034	120.0	113.6	
44 Hexachlorocyclopentadiene	237	6.742	6.743	-0.001	97	234495	120.0	126.5	
46 2-tertbutyl-4-methylphenol	149	6.772	6.766	0.006	90	470677	120.0	122.7	
48 2,4,6-Trichlorophenol	196	6.848	6.848	0.000	89	237227	120.0	122.6	
49 2,4,5-Trichlorophenol	196	6.884	6.878	0.006	98	251547	120.0	119.1	
$ 50 2-Fluorobiphenyl	172	6.931	6.931	0.000	97	775778	120.0	111.1	
51 1,1'-Biphenyl	154	7.025	7.025	0.000	97	837347	120.0	114.8	
52 2-Chloronaphthalene	162	7.048	7.043	0.006	98	642362	120.0	113.2	
53 Phenyl ether	170	7.125	7.125	0.000	91	437743	120.0	117.1	
54 2-Nitroaniline	65	7.142	7.137	0.005	98	266537	120.0	118.6	
55 1,3-Dimethylnaphthalene	156	7.254	7.248	0.006	92	543609	120.0	120.3	
58 Dimethyl phthalate	163	7.319	7.313	0.006	98	756104	120.0	113.9	
59 Coumarin	146	7.336	7.331	0.005	79	274045	120.0	122.8	
60 2,6-Dinitrotoluene	165	7.372	7.366	0.006	94	171537	120.0	126.9	
61 Acenaphthylene	152	7.436	7.437	-0.001	98	1080230	120.0	118.5	
62 3-Nitroaniline	138	7.531	7.525	0.006	93	208026	120.0	118.2	
* 63 Acenaphthene-d10	164	7.572	7.572	0.000	97	183252	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.595	7.590	0.005	98	507314	120.0	113.2	
65 Acenaphthene	154	7.607	7.601	0.006	96	730984	120.0	116.1	
66 2,4-Dinitrophenol	184	7.631	7.619	0.012	94	248049	240.0	247.9	a
67 4-Nitrophenol	65	7.689	7.684	0.005	93	345547	240.0	238.6	
68 2,4-Dinitrotoluene	165	7.754	7.742	0.012	93	234374	120.0	126.2	
69 Dibenzofuran	168	7.766	7.766	0.000	96	937927	120.0	112.4	
70 2,3,4,6-Tetrachlorophenol	232	7.884	7.878	0.006	93	200448	120.0	119.0	
71 Diethyl phthalate	149	7.989	7.984	0.005	98	828076	120.0	113.6	
73 4-Chlorophenyl phenyl ethe	204	8.089	8.084	0.005	86	344244	120.0	113.3	
74 Fluorene	166	8.089	8.089	0.000	97	755238	120.0	116.5	
75 4-Nitroaniline	138	8.119	8.101	0.018	94	221557	120.0	121.9	
76 4,6-Dinitro-2-methylphenol	198	8.142	8.131	0.011	86	291745	240.0	253.7	
77 N-Nitrosodiphenylamine	169	8.201	8.195	0.006	99	538859	120.0	116.0	
78 1,2-Diphenylhydrazine	77	8.242	8.237	0.005	99	814735	120.0	118.7	
$ 79 2,4,6-Tribromophenol	330	8.319	8.313	0.006	95	130081	120.0	128.7	
80 4-Bromophenyl phenyl ether	248	8.548	8.548	0.000	86	201002	120.0	116.8	
81 Hexachlorobenzene	284	8.619	8.613	0.006	97	241091	120.0	117.1	
83 Pentachlorophenol	266	8.801	8.795	0.006	93	327633	240.0	258.8	
84 Pentachloronitrobenzene	237	8.819	8.813	0.006	88	108704	120.0	123.6	
72 n-Octadecane	57	8.878	8.878	0.000	89	644254	120.0	113.9	
* 85 Phenanthrene-d10	188	8.972	8.972	0.000	99	344946	40.0	40.0	
86 Phenanthrene	178	8.995	8.995	0.000	98	1060280	120.0	115.7	
87 Anthracene	178	9.048	9.042	0.006	98	1094847	120.0	117.4	
88 Carbazole	167	9.195	9.189	0.006	96	1057593	120.0	117.3	
89 Di-n-butyl phthalate	149	9.525	9.525	0.000	100	1400671	120.0	117.1	
90 Fluoranthene	202	10.119	10.119	0.000	98	1253386	120.0	119.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Benzidine	184	10.248	10.242	0.006	100	884648	120.0	129.1	a
92 Pyrene	202	10.342	10.336	0.006	97	1290451	120.0	111.4	
93 Bisphenol-A	213	10.389	10.383	0.006	98	594147	120.0	122.5	
$ 94 Terphenyl-d14	244	10.495	10.495	0.000	98	857396	120.0	119.2	
95 Butyl benzyl phthalate	149	11.019	11.013	0.006	96	638342	120.0	115.7	
97 Carbamazepine	193	11.148	11.136	0.012	93	550083	120.0	136.2	
98 3,3'-Dichlorobenzidine	252	11.636	11.630	0.006	100	505208	120.0	132.5	
99 Benzo[a]anthracene	228	11.660	11.654	0.006	99	1112984	120.0	109.5	
* 100 Chrysene-d12	240	11.677	11.672	0.005	99	303302	40.0	40.0	
101 Chrysene	228	11.713	11.701	0.012	99	1078309	120.0	113.5	
102 Bis(2-ethylhexyl) phthalat	149	11.719	11.713	0.006	88	910659	120.0	114.4	
103 Di-n-octyl phthalate	149	12.613	12.607	0.006	97	1718749	120.0	121.6	
104 Benzo[b]fluoranthene	252	13.136	13.119	0.017	99	1289135	120.0	125.8	
105 Benzo[k]fluoranthene	252	13.177	13.160	0.017	99	1248625	120.0	117.1	
106 Benzo[a]pyrene	252	13.607	13.595	0.012	97	1232096	120.0	124.3	
* 107 Perylene-d12	264	13.683	13.677	0.006	98	347959	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.418	15.401	0.017	99	1204724	120.0	136.4	
109 Dibenz(a,h)anthracene	278	15.471	15.448	0.023	97	1149602	120.0	131.1	
110 Benzo[g,h,i]perylene	276	15.930	15.901	0.029	97	1184370	120.0	122.3	
S 117 Total Cresols	1				0			239.5	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L8_00020 Amount Added: 1.00 Units: mL

Report Date: 23-Oct-2019 07:41:14 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24922.d

Injection Date: 22-Oct-2019 10:20:30 Instrument ID: CBNAMS12 Operator ID:

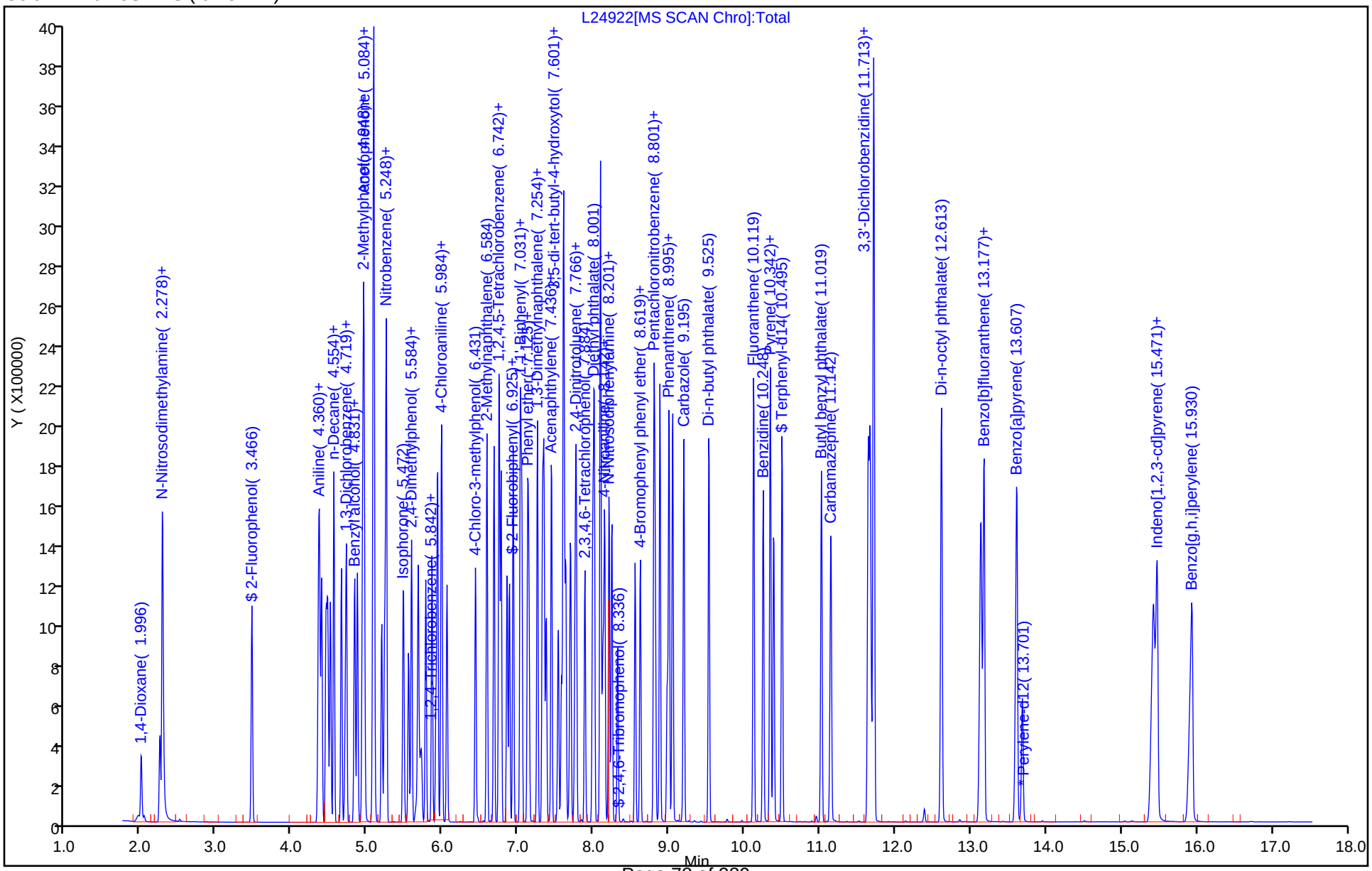
Lims ID: STD120 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24923.d
Lims ID: STD80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Oct-2019 10:43:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-004
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:19 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 11:33:36

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	2.002	2.008	-0.006	94	103684	80.0	91.4	
2 N-Nitrosodimethylamine	74	2.249	2.255	-0.006	84	170893	80.0	79.9	
3 Pyridine	79	2.284	2.284	0.000	78	535774	160.0	166.4	
$ 4 2-Fluorophenol	112	3.466	3.466	0.000	94	289141	80.0	83.0	
$ 6 Phenol-d5	99	4.349	4.343	0.006	0	361612	80.0	84.4	
7 Phenol	94	4.360	4.354	0.006	98	369221	80.0	80.1	
8 Aniline	93	4.390	4.390	0.000	100	436225	80.0	80.1	
9 Bis(2-chloroethyl)ether	93	4.449	4.449	0.000	92	275662	80.0	78.0	
10 2-Chlorophenol	128	4.507	4.507	0.000	94	282433	80.0	78.8	
11 n-Decane	43	4.554	4.554	0.000	93	386353	80.0	79.0	
12 1,3-Dichlorobenzene	146	4.654	4.654	0.000	95	297743	80.0	78.1	
* 13 1,4-Dichlorobenzene-d4	152	4.701	4.701	0.000	95	101835	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.719	4.719	0.000	94	301387	80.0	78.5	
15 Benzyl alcohol	108	4.825	4.825	0.000	93	187813	80.0	80.5	
16 1,2-Dichlorobenzene	146	4.866	4.866	0.000	95	287186	80.0	77.5	
17 2-Methylphenol	108	4.931	4.931	0.000	91	253890	80.0	79.7	
18 2,2'-oxybis[1-chloropropan	45	4.954	4.954	0.000	94	544775	80.0	76.9	a
130 N-Methylaniline	106	5.072	5.072	0.000	0	388769	80.0	79.6	
20 3 & 4 Methylphenol	108	5.078	5.078	0.000	88	275591	80.0	77.5	
22 Acetophenone	105	5.084	5.078	0.006	93	379788	80.0	76.0	
19 4-Methylphenol	108	5.078	5.078	0.000	79	275591	80.0	77.5	
21 N-Nitrosodi-n-propylamine	70	5.084	5.078	0.006	92	192290	80.0	77.9	
25 Hexachloroethane	117	5.190	5.190	0.000	96	119250	80.0	77.5	
$ 26 Nitrobenzene-d5	82	5.225	5.225	0.000	91	298830	80.0	81.8	
27 Nitrobenzene	123	5.243	5.243	0.000	90	132564	80.0	83.8	
28 n,n'-Dimethylaniline	120	5.249	5.249	0.000	95	386196	80.0	76.0	
29 Isophorone	82	5.472	5.466	0.006	99	530467	80.0	81.4	
30 2-Nitrophenol	139	5.543	5.543	0.000	91	153673	80.0	83.0	
31 2,4-Dimethylphenol	122	5.584	5.578	0.006	90	236481	80.0	79.9	
32 Bis(2-chloroethoxy)methane	93	5.672	5.666	0.006	96	331784	80.0	79.0	
33 Benzoic acid	122	5.696	5.672	0.024	89	180311	80.0	82.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.772	5.772	0.000	95	220380	80.0	82.9	
35 1,2,4-Trichlorobenzene	180	5.854	5.854	0.000	95	238588	80.0	79.7	
* 36 Naphthalene-d8	136	5.907	5.907	0.000	99	393518	40.0	40.0	
37 Naphthalene	128	5.925	5.925	0.000	99	744825	80.0	78.6	
38 4-Chloroaniline	127	5.978	5.972	0.006	96	331786	80.0	79.9	
39 Hexachlorobutadiene	225	6.054	6.054	0.000	96	139247	80.0	79.9	
41 4-Chloro-3-methylphenol	107	6.431	6.431	0.000	98	232794	80.0	80.4	
42 2-Methylnaphthalene	142	6.584	6.584	0.000	85	513145	80.0	79.4	
43 1-Methylnaphthalene	142	6.678	6.678	0.000	93	482430	80.0	81.2	
45 1,2,4,5-Tetrachlorobenzene	216	6.743	6.743	0.000	98	235535	80.0	80.4	
44 Hexachlorocyclopentadiene	237	6.743	6.743	0.000	97	167490	80.0	86.5	
46 2-tertbutyl-4-methylphenol	149	6.772	6.766	0.006	90	335002	80.0	81.4	
48 2,4,6-Trichlorophenol	196	6.848	6.848	0.000	90	176931	80.0	87.6	
49 2,4,5-Trichlorophenol	196	6.878	6.878	0.000	98	176830	80.0	80.2	
$ 50 2-Fluorobiphenyl	172	6.931	6.931	0.000	97	560087	80.0	76.8	
51 1,1'-Biphenyl	154	7.025	7.025	0.000	96	605483	80.0	79.5	
52 2-Chloronaphthalene	162	7.043	7.043	0.000	98	472256	80.0	79.7	
53 Phenyl ether	170	7.125	7.125	0.000	92	310230	80.0	79.5	
54 2-Nitroaniline	65	7.137	7.137	0.000	98	191105	80.0	81.4	
55 1,3-Dimethylnaphthalene	156	7.248	7.248	0.000	92	382651	80.0	81.1	
58 Dimethyl phthalate	163	7.313	7.313	0.000	98	543515	80.0	78.4	
59 Coumarin	146	7.337	7.331	0.006	75	189752	80.0	79.2	
60 2,6-Dinitrotoluene	165	7.366	7.366	0.000	93	120245	80.0	85.2	
61 Acenaphthylene	152	7.437	7.437	0.000	98	761551	80.0	80.0	
62 3-Nitroaniline	138	7.525	7.525	0.000	93	149030	80.0	81.1	
* 63 Acenaphthene-d10	164	7.572	7.572	0.000	97	191317	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.595	7.590	0.005	98	364299	80.0	77.8	
65 Acenaphthene	154	7.601	7.601	0.000	95	526735	80.0	80.1	
66 2,4-Dinitrophenol	184	7.625	7.619	0.006	95	175116	160.0	168.6	a
67 4-Nitrophenol	65	7.684	7.684	0.000	93	246788	160.0	163.2	
68 2,4-Dinitrotoluene	165	7.748	7.742	0.006	93	166047	80.0	85.7	
69 Dibenzofuran	168	7.766	7.766	0.000	96	687053	80.0	78.8	
70 2,3,4,6-Tetrachlorophenol	232	7.884	7.878	0.006	94	143240	80.0	81.5	
71 Diethyl phthalate	149	7.984	7.984	0.000	98	595021	80.0	78.2	
73 4-Chlorophenyl phenyl ethe	204	8.084	8.084	0.000	87	251618	80.0	79.4	
74 Fluorene	166	8.089	8.089	0.000	97	537729	80.0	79.4	
75 4-Nitroaniline	138	8.113	8.101	0.012	93	155173	80.0	81.8	
76 4,6-Dinitro-2-methylphenol	198	8.137	8.131	0.006	83	200276	160.0	168.1	
77 N-Nitrosodiphenylamine	169	8.201	8.195	0.006	99	391319	80.0	80.9	
78 1,2-Diphenylhydrazine	77	8.237	8.237	0.000	98	569630	80.0	79.7	
$ 79 2,4,6-Tribromophenol	330	8.313	8.313	0.000	95	91693	80.0	86.9	
80 4-Bromophenyl phenyl ether	248	8.548	8.548	0.000	87	145960	80.0	81.5	
81 Hexachlorobenzene	284	8.619	8.613	0.006	97	173888	80.0	81.2	
83 Pentachlorophenol	266	8.795	8.795	0.000	93	229158	160.0	174.0	
84 Pentachloronitrobenzene	237	8.813	8.813	0.000	88	77392	80.0	84.6	
72 n-Octadecane	57	8.878	8.878	0.000	89	471290	80.0	80.0	
* 85 Phenanthrene-d10	188	8.972	8.972	0.000	99	358977	40.0	40.0	
86 Phenanthrene	178	8.995	8.995	0.000	98	765169	80.0	80.3	
87 Anthracene	178	9.042	9.042	0.000	98	784391	80.0	80.8	
88 Carbazole	167	9.189	9.189	0.000	96	753323	80.0	80.3	
89 Di-n-butyl phthalate	149	9.525	9.525	0.000	100	1007206	80.0	80.9	
90 Fluoranthene	202	10.119	10.119	0.000	98	888847	80.0	81.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Benzidine	184	10.242	10.242	0.000	100	615639	80.0	86.4	a
92 Pyrene	202	10.336	10.336	0.000	97	917133	80.0	78.4	
93 Bisphenol-A	213	10.383	10.383	0.000	98	409563	80.0	83.5	
$ 94 Terphenyl-d14	244	10.495	10.495	0.000	98	613829	80.0	84.4	
95 Butyl benzyl phthalate	149	11.019	11.013	0.006	96	447592	80.0	80.3	
97 Carbamazepine	193	11.136	11.136	0.000	93	362724	80.0	88.9	
98 3,3'-Dichlorobenzidine	252	11.630	11.630	0.000	99	337881	80.0	87.7	
99 Benzo[a]anthracene	228	11.660	11.654	0.006	99	808943	80.0	78.8	
* 100 Chrysene-d12	240	11.672	11.672	0.000	99	306512	40.0	40.0	
101 Chrysene	228	11.707	11.701	0.006	99	739399	80.0	77.0	
102 Bis(2-ethylhexyl) phthalat	149	11.713	11.713	0.000	88	650191	80.0	80.8	
103 Di-n-octyl phthalate	149	12.607	12.607	0.000	97	1177091	80.0	83.2	
104 Benzo[b]fluoranthene	252	13.124	13.119	0.005	99	884915	80.0	86.2	
105 Benzo[k]fluoranthene	252	13.166	13.160	0.006	99	831161	80.0	77.8	
106 Benzo[a]pyrene	252	13.601	13.595	0.006	97	829772	80.0	83.6	
* 107 Perylene-d12	264	13.677	13.677	0.000	97	348376	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.407	15.401	0.006	99	786500	80.0	88.9	
109 Dibenz(a,h)anthracene	278	15.454	15.448	0.006	97	769880	80.0	87.7	
110 Benzo[g,h,i]perylene	276	15.913	15.901	0.012	96	794709	80.0	82.0	
S 117 Total Cresols	1				0			157.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L7_00020 Amount Added: 1.00 Units: mL

Report Date: 23-Oct-2019 07:41:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24923.d

Injection Date: 22-Oct-2019 10:43:30 Instrument ID: CBNAMS12 Operator ID:

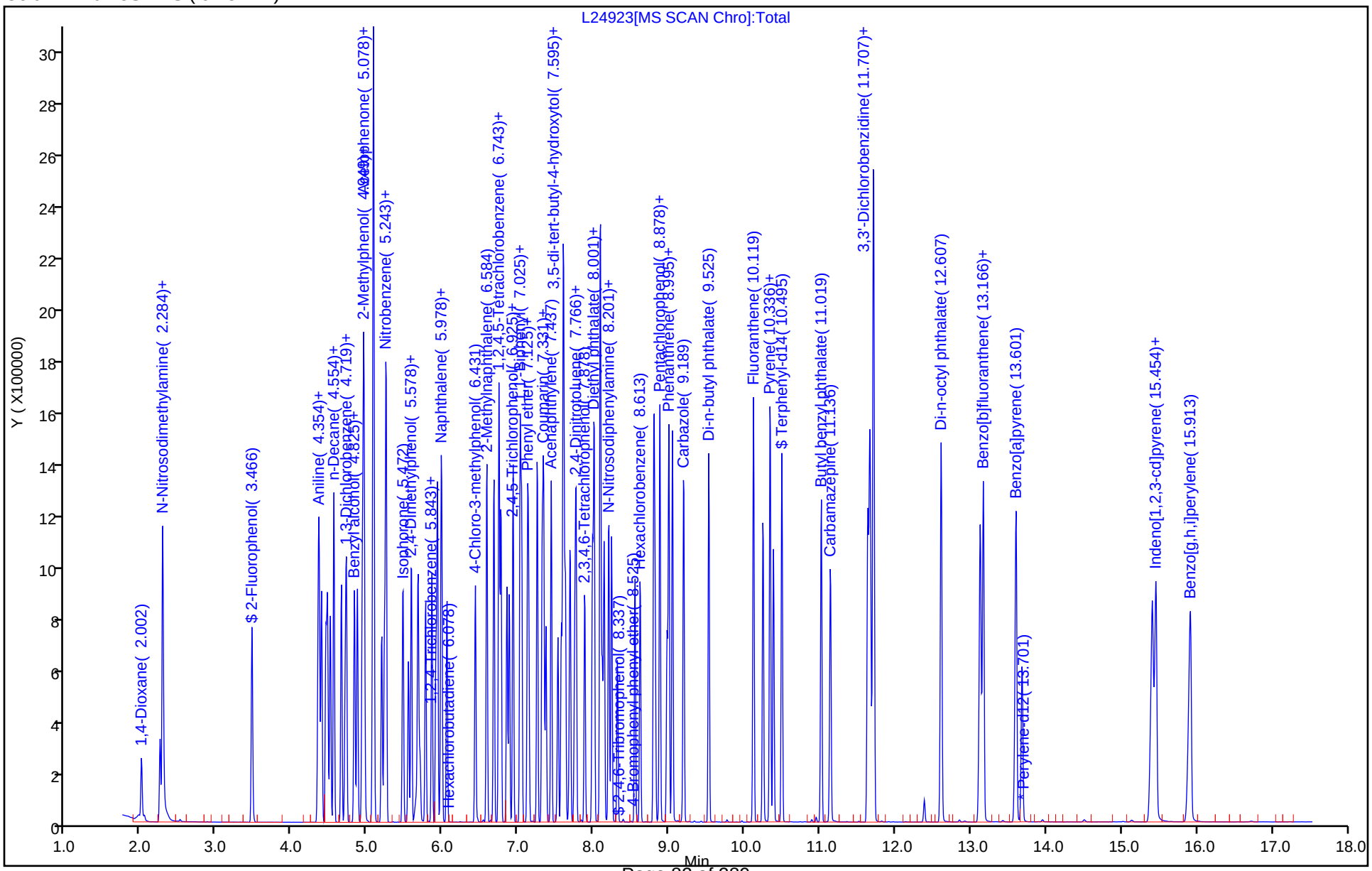
Lims ID: STD80 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24924.d
Lims ID: STD20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Oct-2019 11:05:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-005
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:24 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 11:44:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.002	2.008	-0.006	94	21717	20.0	21.6	M
2 N-Nitrosodimethylamine	74	2.243	2.255	-0.012	84	38404	20.0	20.3	
3 Pyridine	79	2.284	2.284	0.000	78	111718	40.0	39.1	
$ 4 2-Fluorophenol	112	3.466	3.466	0.000	93	60257	20.0	19.5	
$ 6 Phenol-d5	99	4.337	4.343	-0.006	0	75854	20.0	20.0	
7 Phenol	94	4.349	4.354	-0.005	98	83300	20.0	20.4	
8 Aniline	93	4.384	4.390	-0.006	99	98649	20.0	20.4	
9 Bis(2-chloroethyl)ether	93	4.443	4.449	-0.006	92	63624	20.0	20.3	
10 2-Chlorophenol	128	4.501	4.507	-0.006	94	65066	20.0	20.5	
11 n-Decane	43	4.554	4.554	0.000	93	91001	20.0	21.0	
12 1,3-Dichlorobenzene	146	4.649	4.654	-0.006	96	69161	20.0	20.5	
* 13 1,4-Dichlorobenzene-d4	152	4.701	4.701	0.000	95	90290	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.719	4.719	0.000	93	69708	20.0	20.5	
15 Benzyl alcohol	108	4.819	4.825	-0.006	92	41842	20.0	20.2	
16 1,2-Dichlorobenzene	146	4.866	4.866	0.000	95	66992	20.0	20.4	
17 2-Methylphenol	108	4.925	4.931	-0.006	92	58092	20.0	20.6	
18 2,2'-oxybis[1-chloropropan	45	4.954	4.954	0.000	94	131012	20.0	20.9	
130 N-Methylaniline	106	5.066	5.072	-0.006	0	90285	20.0	20.8	
20 3 & 4 Methylphenol	108	5.072	5.078	-0.006	93	65639	20.0	20.8	
22 Acetophenone	105	5.072	5.078	-0.006	84	92996	20.0	21.0	
19 4-Methylphenol	108	5.072	5.078	-0.006	95	65639	20.0	20.8	
21 N-Nitrosodi-n-propylamine	70	5.072	5.078	-0.006	79	46207	20.0	21.1	
25 Hexachloroethane	117	5.184	5.190	-0.006	95	27377	20.0	20.1	
$ 26 Nitrobenzene-d5	82	5.219	5.225	-0.006	90	64978	20.0	19.6	
27 Nitrobenzene	123	5.237	5.243	-0.006	90	31161	20.0	22.2	
28 n,n'-Dimethylaniline	120	5.243	5.249	-0.005	93	90133	20.0	20.0	
29 Isophorone	82	5.460	5.466	-0.006	99	123561	20.0	20.9	
30 2-Nitrophenol	139	5.543	5.543	0.000	90	34513	20.0	20.6	
31 2,4-Dimethylphenol	122	5.578	5.578	0.000	90	54804	20.0	20.5	
32 Bis(2-chloroethoxy)methane	93	5.666	5.666	0.000	95	77374	20.0	20.4	
33 Benzoic acid	122	5.637	5.672	-0.035	89	33364	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.766	5.772	-0.006	95	51954	20.0	21.6	
35 1,2,4-Trichlorobenzene	180	5.854	5.854	0.000	95	56099	20.0	20.7	
* 36 Naphthalene-d8	136	5.901	5.907	-0.006	99	356351	40.0	40.0	
37 Naphthalene	128	5.925	5.925	0.000	99	176272	20.0	20.5	
38 4-Chloroaniline	127	5.972	5.972	0.000	96	76127	20.0	20.2	
39 Hexachlorobutadiene	225	6.054	6.054	0.000	96	32035	20.0	20.3	
41 4-Chloro-3-methylphenol	107	6.425	6.431	-0.006	98	53983	20.0	20.6	
42 2-Methylnaphthalene	142	6.578	6.584	-0.006	85	120314	20.0	20.6	
43 1-Methylnaphthalene	142	6.672	6.678	-0.006	92	109060	20.0	20.3	
45 1,2,4,5-Tetrachlorobenzene	216	6.742	6.743	-0.001	97	55296	20.0	20.8	
44 Hexachlorocyclopentadiene	237	6.737	6.743	-0.006	97	33728	20.0	19.2	
46 2-tertbutyl-4-methylphenol	149	6.766	6.766	0.000	90	76263	20.0	20.5	
48 2,4,6-Trichlorophenol	196	6.848	6.848	0.000	90	38290	20.0	20.9	
49 2,4,5-Trichlorophenol	196	6.878	6.878	0.000	97	42344	20.0	21.1	
$ 50 2-Fluorobiphenyl	172	6.925	6.931	-0.006	97	125922	20.0	19.0	
51 1,1'-Biphenyl	154	7.019	7.025	-0.006	96	141361	20.0	20.4	
52 2-Chloronaphthalene	162	7.037	7.043	-0.005	98	111865	20.0	20.8	
53 Phenyl ether	170	7.119	7.125	-0.006	90	71187	20.0	20.1	
54 2-Nitroaniline	65	7.131	7.137	-0.006	98	42977	20.0	20.2	
55 1,3-Dimethylnaphthalene	156	7.248	7.248	0.000	91	86599	20.0	20.2	
58 Dimethyl phthalate	163	7.307	7.313	-0.006	99	133970	20.0	21.3	
59 Coumarin	146	7.325	7.331	-0.006	77	44753	20.0	20.6	
60 2,6-Dinitrotoluene	165	7.360	7.366	-0.006	93	28321	20.0	22.1	
61 Acenaphthylene	152	7.431	7.437	-0.006	98	178233	20.0	20.6	
62 3-Nitroaniline	138	7.519	7.525	-0.006	92	35025	20.0	21.0	
* 63 Acenaphthene-d10	164	7.566	7.572	-0.006	97	173853	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.589	7.590	-0.001	98	83403	20.0	19.6	
65 Acenaphthene	154	7.595	7.601	-0.006	95	123371	20.0	20.7	
66 2,4-Dinitrophenol	184	7.613	7.619	-0.006	93	36648	40.0	41.2	a
67 4-Nitrophenol	65	7.672	7.684	-0.012	94	58783	40.0	42.8	
68 2,4-Dinitrotoluene	165	7.742	7.742	0.000	94	38699	20.0	22.0	
69 Dibenzofuran	168	7.760	7.766	-0.006	96	162709	20.0	20.5	
70 2,3,4,6-Tetrachlorophenol	232	7.878	7.878	0.000	93	33434	20.0	20.9	
71 Diethyl phthalate	149	7.978	7.984	-0.006	98	156036	20.0	22.6	
73 4-Chlorophenyl phenyl ethe	204	8.084	8.084	0.000	85	59724	20.0	20.7	
74 Fluorene	166	8.084	8.089	-0.005	96	128441	20.0	20.9	
75 4-Nitroaniline	138	8.095	8.101	-0.006	94	34182	20.0	19.8	
76 4,6-Dinitro-2-methylphenol	198	8.125	8.131	-0.006	81	43713	40.0	40.6	
77 N-Nitrosodiphenylamine	169	8.189	8.195	-0.006	99	93990	20.0	20.7	
78 1,2-Diphenylhydrazine	77	8.231	8.237	-0.006	99	136631	20.0	20.3	
$ 79 2,4,6-Tribromophenol	330	8.313	8.313	0.000	94	20594	20.0	21.5	
80 4-Bromophenyl phenyl ether	248	8.542	8.548	-0.006	85	34036	20.0	20.2	
81 Hexachlorobenzene	284	8.613	8.613	0.000	97	41726	20.0	20.7	
83 Pentachlorophenol	266	8.789	8.795	-0.006	93	52142	40.0	42.1	
84 Pentachloronitrobenzene	237	8.807	8.813	-0.006	87	17175	20.0	19.9	
72 n-Octadecane	57	8.872	8.878	-0.006	90	111569	20.0	20.1	
* 85 Phenanthrene-d10	188	8.972	8.972	0.000	98	337792	40.0	40.0	
86 Phenanthrene	178	8.989	8.995	-0.006	98	183117	20.0	20.4	
87 Anthracene	178	9.036	9.042	-0.006	98	186896	20.0	20.5	
88 Carbazole	167	9.189	9.189	0.000	96	178518	20.0	20.2	
89 Di-n-butyl phthalate	149	9.525	9.525	0.000	100	239099	20.0	20.4	
90 Fluoranthene	202	10.113	10.119	-0.006	98	209835	20.0	20.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Benzidine	184	10.236	10.242	-0.006	100	132814	20.0	19.8	a
92 Pyrene	202	10.336	10.336	0.000	98	219549	20.0	20.6	
93 Bisphenol-A	213	10.378	10.383	-0.005	98	88023	20.0	19.7	
$ 94 Terphenyl-d14	244	10.489	10.495	-0.006	98	132372	20.0	20.0	
95 Butyl benzyl phthalate	149	11.013	11.013	0.000	96	105341	20.0	20.7	
97 Carbamazepine	193	11.130	11.136	-0.006	93	77546	20.0	20.8	
98 3,3'-Dichlorobenzidine	252	11.625	11.630	-0.005	100	74891	20.0	21.3	
99 Benzo[a]anthracene	228	11.648	11.654	-0.006	99	189873	20.0	20.3	
* 100 Chrysene-d12	240	11.666	11.672	-0.006	99	279590	40.0	40.0	
101 Chrysene	228	11.695	11.701	-0.006	99	180265	20.0	20.6	
102 Bis(2-ethylhexyl) phthalat	149	11.713	11.713	0.000	86	154422	20.0	21.0	
103 Di-n-octyl phthalate	149	12.601	12.607	-0.006	97	266077	20.0	20.9	
104 Benzo[b]fluoranthene	252	13.113	13.119	-0.006	99	192620	20.0	20.8	
105 Benzo[k]fluoranthene	252	13.154	13.160	-0.006	99	214683	20.0	22.3	
106 Benzo[a]pyrene	252	13.583	13.595	-0.012	97	195572	20.0	21.9	
* 107 Perylene-d12	264	13.677	13.677	0.000	97	313987	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.383	15.401	-0.018	98	180594	20.0	22.7	
109 Dibenz(a,h)anthracene	278	15.430	15.448	-0.018	96	175813	20.0	22.2	
110 Benzo[g,h,i]perylene	276	15.877	15.901	-0.024	96	184503	20.0	21.1	
S 117 Total Cresols	1				0			41.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_IC_BNA_L5_00020 Amount Added: 1.00 Units: mL

Report Date: 23-Oct-2019 07:41:25 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24924.d

Injection Date: 22-Oct-2019 11:05:30 Instrument ID: CBNAMS12 Operator ID:

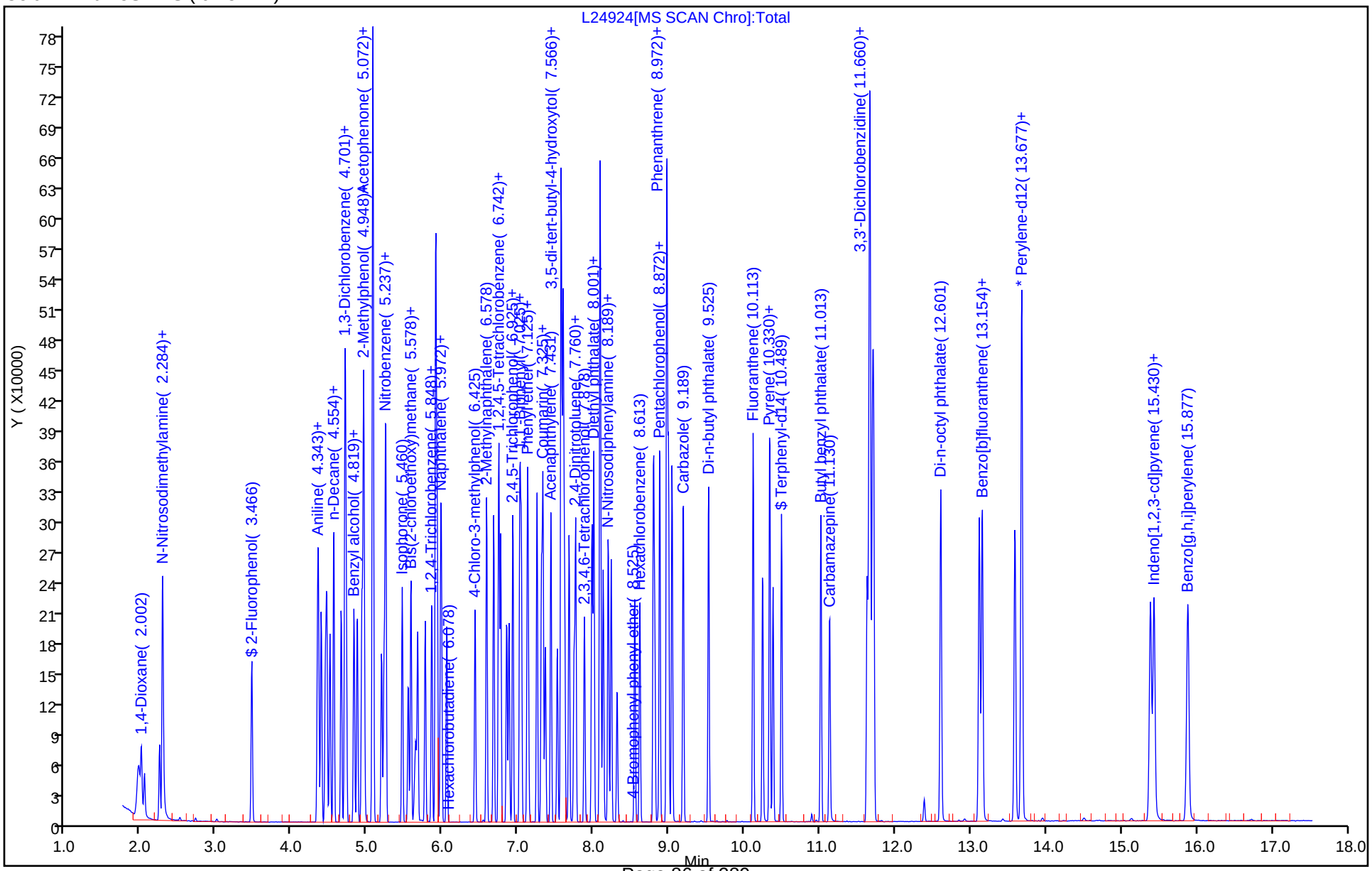
Lims ID: STD20 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24925.d
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Oct-2019 11:28:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-006
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:29 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 12:01:14

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	2.002	2.008	-0.006	91	12832	10.0	11.1	
2 N-Nitrosodimethylamine	74	2.243	2.255	-0.012	86	22701	10.0	10.4	
3 Pyridine	79	2.284	2.284	0.000	79	66514	20.0	20.3	
$ 4 2-Fluorophenol	112	3.466	3.466	0.000	93	35835	10.0	10.1	
$ 6 Phenol-d5	99	4.337	4.343	-0.006	0	45091	10.0	10.3	
7 Phenol	94	4.349	4.354	-0.005	98	47923	10.0	10.2	
8 Aniline	93	4.384	4.390	-0.006	99	57403	10.0	10.4	
9 Bis(2-chloroethyl)ether	93	4.443	4.449	-0.006	91	35797	10.0	9.96	
10 2-Chlorophenol	128	4.502	4.507	-0.005	95	38169	10.0	10.5	
11 n-Decane	43	4.554	4.554	0.000	92	52549	10.0	10.6	
12 1,3-Dichlorobenzene	146	4.649	4.654	-0.005	95	41622	10.0	10.7	
* 13 1,4-Dichlorobenzene-d4	152	4.702	4.701	0.001	95	103663	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.719	4.719	0.000	95	41329	10.0	10.6	
15 Benzyl alcohol	108	4.819	4.825	-0.006	92	23242	10.0	9.78	
16 1,2-Dichlorobenzene	146	4.866	4.866	0.000	95	39757	10.0	10.5	
17 2-Methylphenol	108	4.925	4.931	-0.006	90	33163	10.0	10.2	
18 2,2'-oxybis[1-chloropropan	45	4.954	4.954	0.000	93	76505	10.0	10.6	
130 N-Methylaniline	106	5.066	5.072	-0.006	0	50594	10.0	10.2	
20 3 & 4 Methylphenol	108	5.066	5.078	-0.012	90	38590	10.0	10.7	
22 Acetophenone	105	5.072	5.078	-0.006	84	53434	10.0	10.5	
19 4-Methylphenol	108	5.066	5.078	-0.012	83	38590	10.0	10.7	
21 N-Nitrosodi-n-propylamine	70	5.072	5.078	-0.006	88	26327	10.0	10.5	
25 Hexachloroethane	117	5.184	5.190	-0.006	96	16338	10.0	10.4	
$ 26 Nitrobenzene-d5	82	5.219	5.225	-0.006	90	38685	10.0	10.2	
27 Nitrobenzene	123	5.237	5.243	-0.006	90	17628	10.0	10.9	
28 n,n'-Dimethylaniline	120	5.243	5.249	-0.005	94	52883	10.0	10.2	
29 Isophorone	82	5.460	5.466	-0.006	99	71035	10.0	10.5	
30 2-Nitrophenol	139	5.543	5.543	0.000	91	19590	10.0	10.2	
31 2,4-Dimethylphenol	122	5.578	5.578	0.000	90	31599	10.0	10.3	
32 Bis(2-chloroethoxy)methane	93	5.666	5.666	0.000	96	44705	10.0	10.2	
33 Benzoic acid	122	5.625	5.672	-0.047	89	13118	10.0	9.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.766	5.772	-0.006	95	27902	10.0	10.1	
35 1,2,4-Trichlorobenzene	180	5.848	5.854	-0.006	94	33429	10.0	10.7	
* 36 Naphthalene-d8	136	5.901	5.907	-0.006	99	409673	40.0	40.0	
37 Naphthalene	128	5.925	5.925	0.000	99	101793	10.0	10.3	
38 4-Chloroaniline	127	5.972	5.972	0.000	96	44441	10.0	10.3	
39 Hexachlorobutadiene	225	6.048	6.054	-0.006	96	18806	10.0	10.4	
41 4-Chloro-3-methylphenol	107	6.425	6.431	-0.006	98	30866	10.0	10.2	
42 2-Methylnaphthalene	142	6.578	6.584	-0.006	85	68528	10.0	10.2	
43 1-Methylnaphthalene	142	6.672	6.678	-0.006	93	62305	10.0	10.1	
45 1,2,4,5-Tetrachlorobenzene	216	6.743	6.743	0.000	97	31421	10.0	10.3	
44 Hexachlorocyclopentadiene	237	6.737	6.743	-0.006	96	19616	10.0	9.72	
46 2-tertbutyl-4-methylphenol	149	6.766	6.766	0.000	90	42787	10.0	9.98	
48 2,4,6-Trichlorophenol	196	6.848	6.848	0.000	89	21548	10.0	10.2	
49 2,4,5-Trichlorophenol	196	6.878	6.878	0.000	97	24334	10.0	10.6	
$ 50 2-Fluorobiphenyl	172	6.925	6.931	-0.006	98	73878	10.0	9.71	
51 1,1'-Biphenyl	154	7.019	7.025	-0.006	95	82549	10.0	10.4	
52 2-Chloronaphthalene	162	7.037	7.043	-0.005	98	63386	10.0	10.3	
53 Phenyl ether	170	7.119	7.125	-0.006	91	40343	10.0	9.91	
54 2-Nitroaniline	65	7.131	7.137	-0.006	97	24966	10.0	10.2	
55 1,3-Dimethylnaphthalene	156	7.248	7.248	0.000	92	49556	10.0	10.1	
58 Dimethyl phthalate	163	7.307	7.313	-0.006	98	76216	10.0	10.5	
59 Coumarin	146	7.325	7.331	-0.006	77	24939	10.0	10.0	
60 2,6-Dinitrotoluene	165	7.360	7.366	-0.006	94	16356	10.0	11.1	
61 Acenaphthylene	152	7.431	7.437	-0.006	98	101878	10.0	10.3	
62 3-Nitroaniline	138	7.519	7.525	-0.006	94	19662	10.0	10.3	
* 63 Acenaphthene-d10	164	7.566	7.572	-0.006	96	199565	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.590	7.590	0.000	99	48691	10.0	9.97	
65 Acenaphthene	154	7.595	7.601	-0.006	95	70346	10.0	10.3	
66 2,4-Dinitrophenol	184	7.613	7.619	-0.006	94	17471	20.0	18.9	a
67 4-Nitrophenol	65	7.672	7.684	-0.012	93	32597	20.0	20.7	
68 2,4-Dinitrotoluene	165	7.737	7.742	-0.005	95	22325	10.0	11.0	
69 Dibenzofuran	168	7.760	7.766	-0.006	97	95905	10.0	10.6	
70 2,3,4,6-Tetrachlorophenol	232	7.878	7.878	0.000	92	18822	10.0	10.3	
71 Diethyl phthalate	149	7.972	7.984	-0.012	98	82909	10.0	10.4	
73 4-Chlorophenyl phenyl ethe	204	8.084	8.084	0.000	79	34426	10.0	10.4	
74 Fluorene	166	8.084	8.089	-0.005	94	71813	10.0	10.2	
75 4-Nitroaniline	138	8.090	8.101	-0.011	95	20225	10.0	10.2	
76 4,6-Dinitro-2-methylphenol	198	8.125	8.131	-0.006	78	21951	20.0	19.0	
77 N-Nitrosodiphenylamine	169	8.190	8.195	-0.005	99	53116	10.0	10.2	
78 1,2-Diphenylhydrazine	77	8.231	8.237	-0.006	99	77383	10.0	10.0	
$ 79 2,4,6-Tribromophenol	330	8.313	8.313	0.000	94	12669	10.0	11.5	
80 4-Bromophenyl phenyl ether	248	8.542	8.548	-0.006	85	19504	10.0	10.1	
81 Hexachlorobenzene	284	8.613	8.613	0.000	98	23318	10.0	10.1	
83 Pentachlorophenol	266	8.789	8.795	-0.006	93	28355	20.0	19.9	
84 Pentachloronitrobenzene	237	8.807	8.813	-0.006	88	9709	10.0	9.81	
72 n-Octadecane	57	8.872	8.878	-0.006	89	66431	10.0	10.4	
* 85 Phenanthrene-d10	188	8.966	8.972	-0.006	99	388379	40.0	40.0	
86 Phenanthrene	178	8.989	8.995	-0.006	97	107606	10.0	10.4	
87 Anthracene	178	9.037	9.042	-0.005	98	105835	10.0	10.1	
88 Carbazole	167	9.184	9.189	-0.005	96	104519	10.0	10.3	
89 Di-n-butyl phthalate	149	9.525	9.525	0.000	100	141139	10.0	10.5	
90 Fluoranthene	202	10.113	10.119	-0.006	98	118567	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Benzidine	184	10.236	10.242	-0.006	99	68228	10.0	8.85	a
92 Pyrene	202	10.331	10.336	-0.005	98	129388	10.0	11.0	
93 Bisphenol-A	213	10.378	10.383	-0.005	97	46318	10.0	9.37	
$ 94 Terphenyl-d14	244	10.489	10.495	-0.006	98	79531	10.0	10.8	
95 Butyl benzyl phthalate	149	11.013	11.013	0.000	96	58627	10.0	10.4	
97 Carbamazepine	193	11.125	11.136	-0.011	93	37142	10.0	9.02	
98 3,3'-Dichlorobenzidine	252	11.625	11.630	-0.005	99	38185	10.0	9.83	
99 Benzo[a]anthracene	228	11.648	11.654	-0.006	99	108054	10.0	10.4	
* 100 Chrysene-d12	240	11.666	11.672	-0.006	99	309120	40.0	40.0	
101 Chrysene	228	11.695	11.701	-0.006	98	98239	10.0	10.1	
102 Bis(2-ethylhexyl) phthalat	149	11.713	11.713	0.000	88	83710	10.0	10.3	
103 Di-n-octyl phthalate	149	12.601	12.607	-0.006	97	137224	10.0	10.5	
104 Benzo[b]fluoranthene	252	13.113	13.119	-0.006	99	105636	10.0	11.1	
105 Benzo[k]fluoranthene	252	13.148	13.160	-0.012	99	110299	10.0	11.1	
106 Benzo[a]pyrene	252	13.583	13.595	-0.012	97	98691	10.0	10.7	
* 107 Perylene-d12	264	13.677	13.677	0.000	97	322817	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.377	15.401	-0.024	97	85518	10.0	10.4	
109 Dibenz(a,h)anthracene	278	15.424	15.448	-0.024	97	84929	10.0	10.4	
110 Benzo[g,h,i]perylene	276	15.871	15.901	-0.030	96	89186	10.0	9.93	
S 117 Total Cresols	1				0			20.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L4_00020 Amount Added: 1.00 Units: mL

Report Date: 23-Oct-2019 07:41:30 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24925.d

Injection Date: 22-Oct-2019 11:28:30 Instrument ID: CBNAMS12 Operator ID:

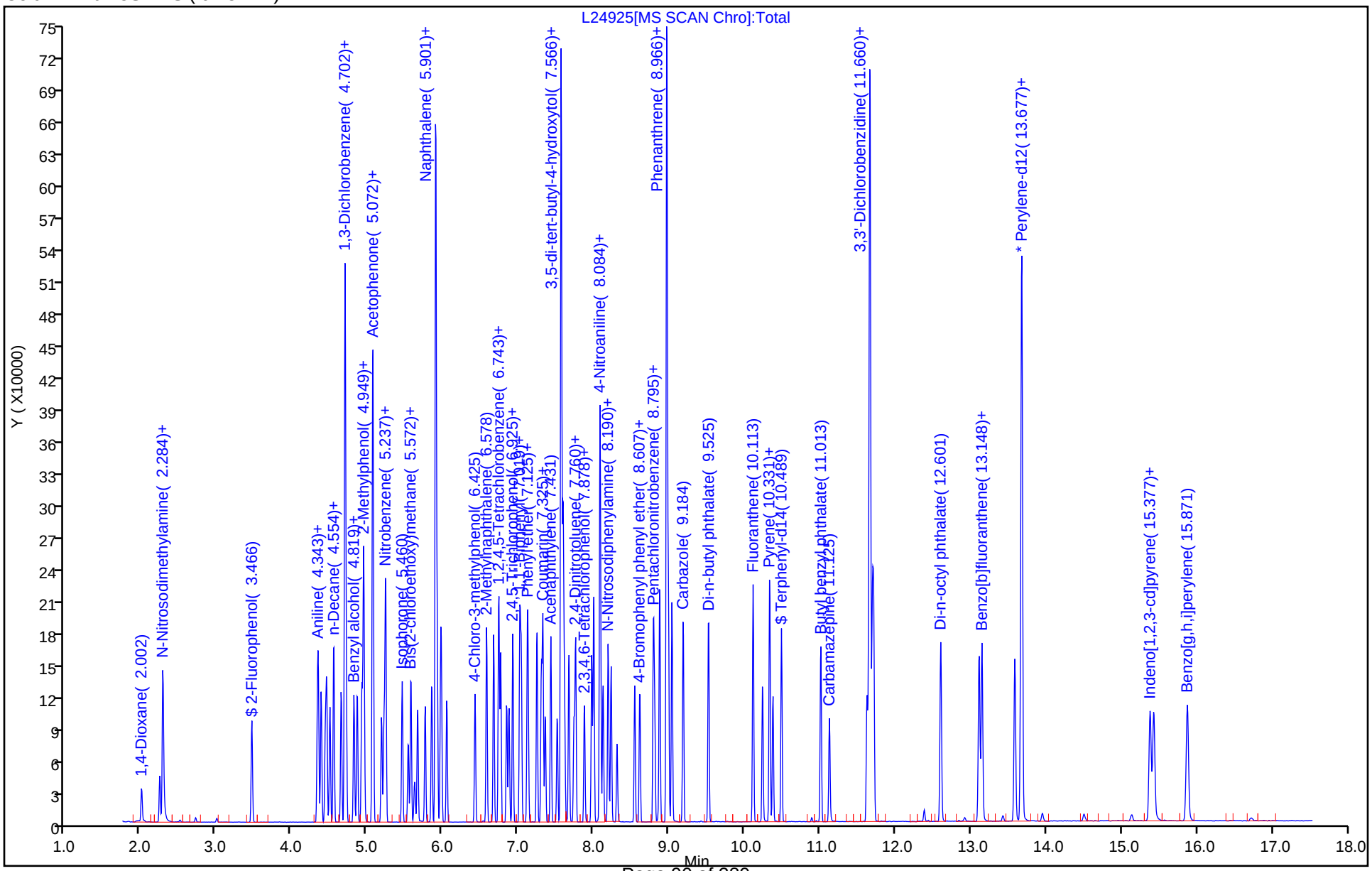
Lims ID: STD10 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24926.d
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Oct-2019 11:50:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-007
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:34 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 12:23:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.008	2.008	0.000	89	6053	5.00	5.12	
2 N-Nitrosodimethylamine	74	2.249	2.255	-0.006	80	10228	5.00	4.60	
3 Pyridine	79	2.290	2.284	0.006	78	29907	10.0	8.92	
$ 4 2-Fluorophenol	112	3.466	3.466	0.000	91	16269	5.00	4.49	
$ 6 Phenol-d5	99	4.337	4.343	-0.006	0	20708	5.00	4.64	
7 Phenol	94	4.349	4.354	-0.005	98	21388	5.00	4.46	
8 Aniline	93	4.384	4.390	-0.006	99	26482	5.00	4.67	
9 Bis(2-chloroethyl)ether	93	4.443	4.449	-0.006	93	18469	5.00	5.02	
10 2-Chlorophenol	128	4.502	4.507	-0.005	94	17525	5.00	4.70	
11 n-Decane	43	4.549	4.554	-0.005	92	24269	5.00	4.77	
12 1,3-Dichlorobenzene	146	4.649	4.654	-0.005	94	19157	5.00	4.83	
* 13 1,4-Dichlorobenzene-d4	152	4.701	4.701	0.000	96	106014	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.719	4.719	0.000	93	19683	5.00	4.92	
15 Benzyl alcohol	108	4.819	4.825	-0.006	92	11611	5.00	4.78	
16 1,2-Dichlorobenzene	146	4.866	4.866	0.000	95	19644	5.00	5.10	
17 2-Methylphenol	108	4.925	4.931	-0.006	89	15659	5.00	4.72	
18 2,2'-oxybis[1-chloropropan	45	4.954	4.954	0.000	93	36253	5.00	4.92	
130 N-Methylaniline	106	5.066	5.072	-0.006	0	21899	5.00	4.31	
20 3 & 4 Methylphenol	108	5.066	5.078	-0.012	85	17976	5.00	4.86	
22 Acetophenone	105	5.072	5.078	-0.006	87	26135	5.00	5.02	
19 4-Methylphenol	108	5.066	5.078	-0.012	78	17976	5.00	4.86	
21 N-Nitrosodi-n-propylamine	70	5.072	5.078	-0.006	89	12529	5.00	4.88	
25 Hexachloroethane	117	5.184	5.190	-0.006	94	7929	5.00	4.95	
$ 26 Nitrobenzene-d5	82	5.219	5.225	-0.006	91	17619	5.00	4.55	
27 Nitrobenzene	123	5.237	5.243	-0.006	90	8354	5.00	5.07	
28 n,n'-Dimethylaniline	120	5.243	5.249	-0.005	93	24781	5.00	4.68	
29 Isophorone	82	5.460	5.466	-0.006	98	32872	5.00	4.76	
30 2-Nitrophenol	139	5.543	5.543	0.000	90	8648	5.00	4.41	
31 2,4-Dimethylphenol	122	5.572	5.578	-0.006	90	15360	5.00	4.90	
32 Bis(2-chloroethoxy)methane	93	5.666	5.666	0.000	95	21975	5.00	4.94	
33 Benzoic acid	122	5.619	5.672	-0.053	86	3799	5.00	5.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.766	5.772	-0.006	95	13756	5.00	4.88	
35 1,2,4-Trichlorobenzene	180	5.848	5.854	-0.006	95	15813	5.00	4.98	
* 36 Naphthalene-d8	136	5.901	5.907	-0.006	99	417154	40.0	40.0	
37 Naphthalene	128	5.925	5.925	0.000	98	49516	5.00	4.93	
38 4-Chloroaniline	127	5.966	5.972	-0.006	96	21620	5.00	4.91	
39 Hexachlorobutadiene	225	6.048	6.054	-0.006	96	9395	5.00	5.08	
41 4-Chloro-3-methylphenol	107	6.425	6.431	-0.006	98	14606	5.00	4.76	
42 2-Methylnaphthalene	142	6.578	6.584	-0.006	84	34038	5.00	4.97	
43 1-Methylnaphthalene	142	6.672	6.678	-0.006	93	31041	5.00	4.93	
45 1,2,4,5-Tetrachlorobenzene	216	6.743	6.743	0.000	96	15598	5.00	4.91	
44 Hexachlorocyclopentadiene	237	6.737	6.743	-0.006	97	9590	5.00	4.57	
46 2-tertbutyl-4-methylphenol	149	6.766	6.766	0.000	89	20359	5.00	4.66	
48 2,4,6-Trichlorophenol	196	6.848	6.848	0.000	88	10395	5.00	4.75	
49 2,4,5-Trichlorophenol	196	6.878	6.878	0.000	94	11164	5.00	4.67	
$ 50 2-Fluorobiphenyl	172	6.925	6.931	-0.006	98	38974	5.00	4.93	
51 1,1'-Biphenyl	154	7.019	7.025	-0.006	95	40809	5.00	4.94	
52 2-Chloronaphthalene	162	7.037	7.043	-0.005	99	32266	5.00	5.02	
53 Phenyl ether	170	7.119	7.125	-0.006	91	21745	5.00	5.14	
54 2-Nitroaniline	65	7.131	7.137	-0.006	96	12221	5.00	4.80	
55 1,3-Dimethylnaphthalene	156	7.248	7.248	0.000	91	23792	5.00	4.65	
58 Dimethyl phthalate	163	7.307	7.313	-0.006	98	36987	5.00	4.92	
59 Coumarin	146	7.325	7.331	-0.006	77	12335	5.00	4.85	
60 2,6-Dinitrotoluene	165	7.354	7.366	-0.012	94	7954	5.00	5.20	
61 Acenaphthylene	152	7.431	7.437	-0.006	97	48902	5.00	4.74	
62 3-Nitroaniline	138	7.513	7.525	-0.012	92	9167	5.00	4.60	
* 63 Acenaphthene-d10	164	7.566	7.572	-0.006	96	207466	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.590	7.590	0.000	99	26542	5.00	5.23	
65 Acenaphthene	154	7.595	7.601	-0.006	95	34884	5.00	4.89	
66 2,4-Dinitrophenol	184	7.613	7.619	-0.006	92	6996	10.0	9.14	a
67 4-Nitrophenol	65	7.666	7.684	-0.018	92	14644	10.0	8.93	
68 2,4-Dinitrotoluene	165	7.737	7.742	-0.005	93	10177	5.00	4.84	
69 Dibenzofuran	168	7.760	7.766	-0.006	97	48298	5.00	5.11	
70 2,3,4,6-Tetrachlorophenol	232	7.878	7.878	0.000	91	8809	5.00	4.62	
71 Diethyl phthalate	149	7.972	7.984	-0.012	97	39215	5.00	4.75	
73 4-Chlorophenyl phenyl ethe	204	8.084	8.084	0.000	76	17571	5.00	5.11	
74 Fluorene	166	8.084	8.089	-0.005	96	36645	5.00	4.99	
75 4-Nitroaniline	138	8.090	8.101	-0.012	93	9772	5.00	4.75	
76 4,6-Dinitro-2-methylphenol	198	8.125	8.131	-0.006	76	9355	10.0	9.27	
77 N-Nitrosodiphenylamine	169	8.190	8.195	-0.005	99	26084	5.00	4.96	
78 1,2-Diphenylhydrazine	77	8.231	8.237	-0.006	99	39401	5.00	5.07	
$ 79 2,4,6-Tribromophenol	330	8.307	8.313	-0.006	92	5437	5.00	4.75	
80 4-Bromophenyl phenyl ether	248	8.542	8.548	-0.006	84	9739	5.00	5.00	
81 Hexachlorobenzene	284	8.613	8.613	0.000	97	12016	5.00	5.16	
83 Pentachlorophenol	266	8.789	8.795	-0.006	92	13870	10.0	9.68	
84 Pentachloronitrobenzene	237	8.807	8.813	-0.006	87	4667	5.00	4.69	
72 n-Octadecane	57	8.872	8.878	-0.006	89	32448	5.00	5.07	
* 85 Phenanthrene-d10	188	8.966	8.972	-0.006	99	390503	40.0	40.0	
86 Phenanthrene	178	8.989	8.995	-0.006	99	51754	5.00	4.99	
87 Anthracene	178	9.037	9.042	-0.006	98	53165	5.00	5.04	
88 Carbazole	167	9.184	9.189	-0.005	96	50527	5.00	4.95	
89 Di-n-butyl phthalate	149	9.525	9.525	0.000	100	64919	5.00	4.80	
90 Fluoranthene	202	10.113	10.119	-0.006	98	57992	5.00	4.87	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Benzidine	184	10.236	10.242	-0.006	100	35074	5.00	4.52	a
92 Pyrene	202	10.331	10.336	-0.005	97	60046	5.00	5.23	
93 Bisphenol-A	213	10.378	10.383	-0.005	97	22205	5.00	4.61	
$ 94 Terphenyl-d14	244	10.489	10.495	-0.006	99	36232	5.00	5.08	
95 Butyl benzyl phthalate	149	11.013	11.013	0.000	95	26738	5.00	4.89	
97 Carbamazepine	193	11.125	11.136	-0.011	92	14651	5.00	3.66	
98 3,3'-Dichlorobenzidine	252	11.625	11.630	-0.005	99	18160	5.00	4.80	
99 Benzo[a]anthracene	228	11.648	11.654	-0.006	99	51634	5.00	5.12	
* 100 Chrysene-d12	240	11.666	11.672	-0.006	99	300829	40.0	40.0	
101 Chrysene	228	11.695	11.701	-0.006	99	50502	5.00	5.36	
102 Bis(2-ethylhexyl) phthalat	149	11.713	11.713	0.000	87	38129	5.00	4.83	
103 Di-n-octyl phthalate	149	12.601	12.607	-0.006	97	59090	5.00	4.26	
104 Benzo[b]fluoranthene	252	13.107	13.119	-0.012	99	51025	5.00	5.08	
105 Benzo[k]fluoranthene	252	13.148	13.160	-0.012	99	49625	5.00	4.75	
106 Benzo[a]pyrene	252	13.583	13.595	-0.012	97	46489	5.00	4.79	
* 107 Perylene-d12	264	13.677	13.677	0.000	97	341168	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.377	15.401	-0.024	98	39948	5.00	4.61	a
109 Dibenz(a,h)anthracene	278	15.424	15.448	-0.024	97	41153	5.00	4.79	a
110 Benzo[g,h,i]perylene	276	15.871	15.901	-0.030	95	43804	5.00	4.61	
S 117 Total Cresols	1				0			9.58	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_IC_BNA_L3_00023 Amount Added: 1.00 Units: mL

Report Date: 23-Oct-2019 07:41:35 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24926.d

Injection Date: 22-Oct-2019 11:50:30 Instrument ID: CBNAMS12 Operator ID:

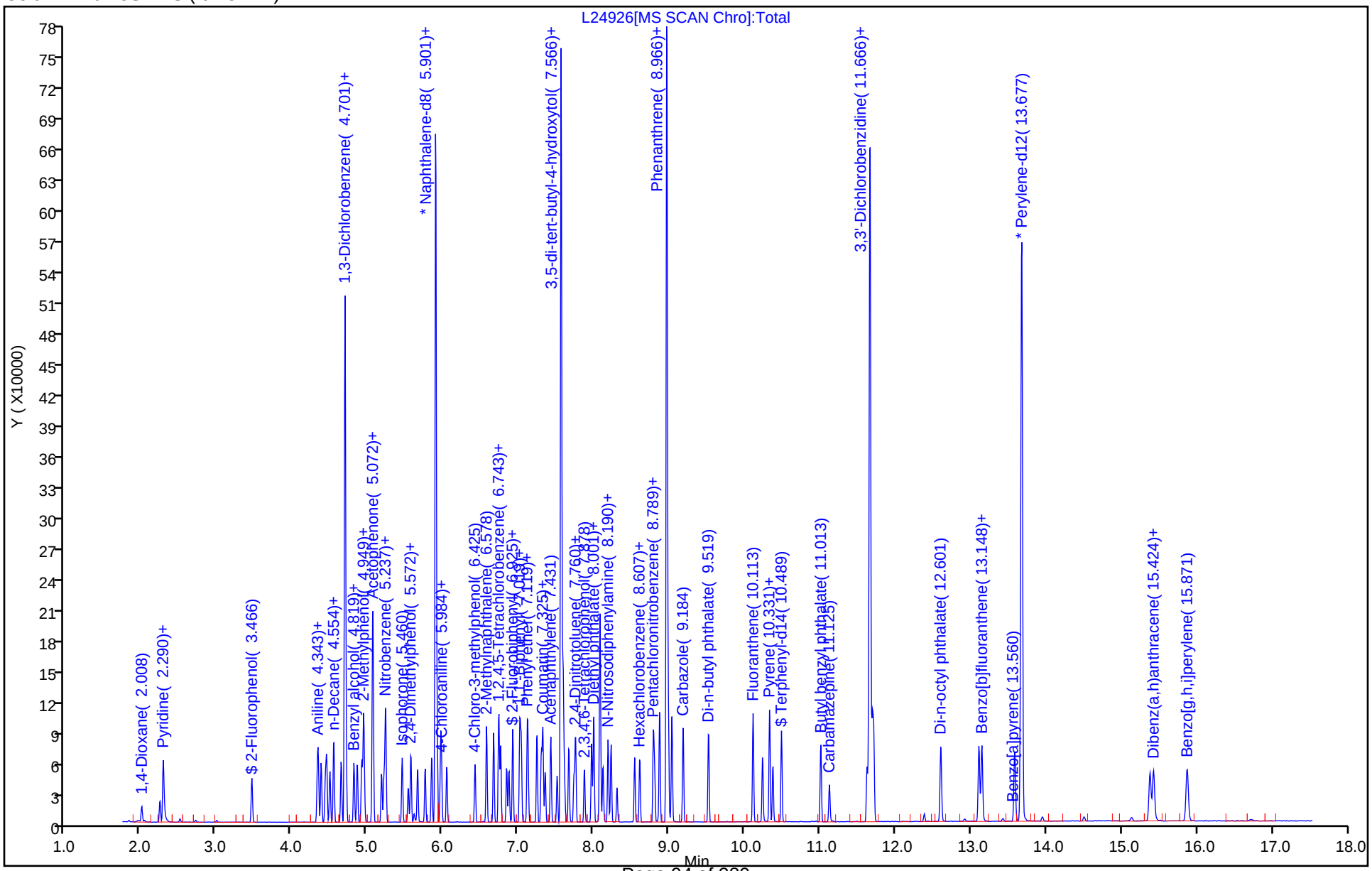
Lims ID: STD5 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24927.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Oct-2019 12:13:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-008
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:38 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 12:47:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.008	2.008	0.000	90	1970	2.00	2.00	M
$ 4 2-Fluorophenol	112	3.466	3.466	0.000	93	5489	2.00	1.82	
$ 6 Phenol-d5	99	4.337	4.343	-0.006	0	6751	2.00	1.81	
9 Bis(2-chloroethyl)ether	93	4.443	4.449	-0.006	92	6072	2.00	1.98	
* 13 1,4-Dichlorobenzene-d4	152	4.701	4.701	0.000	96	88402	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	5.072	5.078	-0.006	88	3888	2.00	1.82	
25 Hexachloroethane	117	5.184	5.190	-0.006	92	2659	2.00	1.99	
$ 26 Nitrobenzene-d5	82	5.219	5.225	-0.006	91	6523	2.00	1.98	
27 Nitrobenzene	123	5.237	5.243	-0.006	87	2686	2.00	1.95	
28 n,n'-Dimethylaniline	120	5.243	5.249	-0.005	96	8615	2.00	1.95	
29 Isophorone	82	5.460	5.466	-0.006	98	10725	2.00	1.83	
34 2,4-Dichlorophenol	162	5.766	5.772	-0.006	92	3925	2.00	1.64	
35 1,2,4-Trichlorobenzene	180	5.848	5.854	-0.006	92	5511	2.00	2.05	
* 36 Naphthalene-d8	136	5.901	5.907	-0.006	99	354008	40.0	40.0	
39 Hexachlorobutadiene	225	6.048	6.054	-0.006	94	3247	2.00	2.07	
48 2,4,6-Trichlorophenol	196	6.848	6.848	0.000	87	2925	2.00	1.59	
$ 50 2-Fluorobiphenyl	172	6.925	6.931	-0.006	98	13208	2.00	1.99	
60 2,6-Dinitrotoluene	165	7.354	7.366	-0.012	90	2207	2.00	1.72	
* 63 Acenaphthene-d10	164	7.566	7.572	-0.006	96	174337	40.0	40.0	
66 2,4-Dinitrophenol	184	7.619	7.619	0.000	77	1088	4.00	4.17	a
68 2,4-Dinitrotoluene	165	7.737	7.742	-0.005	91	2963	2.00	1.68	a
76 4,6-Dinitro-2-methylphenol	198	8.125	8.131	-0.006	69	2206	4.00	4.15	
$ 79 2,4,6-Tribromophenol	330	8.313	8.313	0.000	88	1572	2.00	1.64	
81 Hexachlorobenzene	284	8.607	8.613	-0.006	95	3836	2.00	1.97	
83 Pentachlorophenol	266	8.795	8.795	0.000	91	3670	4.00	3.06	a
* 85 Phenanthrene-d10	188	8.966	8.972	-0.006	99	326639	40.0	40.0	
$ 94 Terphenyl-d14	244	10.489	10.495	-0.006	97	13175	2.00	2.00	
98 3,3'-Dichlorobenzidine	252	11.625	11.630	-0.005	96	5246	2.00	1.50	
99 Benzo[a]anthracene	228	11.648	11.654	-0.006	98	16931	2.00	1.82	
* 100 Chrysene-d12	240	11.660	11.672	-0.012	99	278091	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.107	13.119	-0.012	99	16427	2.00	1.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 Benzo[k]fluoranthene	252	13.148	13.160	-0.012	98	19106	2.00	1.95	
106 Benzo[a]pyrene	252	13.583	13.595	-0.012	96	16500	2.00	1.82	
* 107 Perylene-d12	264	13.677	13.677	0.000	97	319015	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.377	15.401	-0.024	96	14201	2.00	1.75	
109 Dibenz(a,h)anthracene	278	15.424	15.448	-0.024	96	14791	2.00	1.84	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_IC_BNA_L0_00018 Amount Added: 1.00 Units: mL

Report Date: 23-Oct-2019 07:41:39 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24927.d

Injection Date: 22-Oct-2019 12:13:30 Instrument ID: CBNAMS12 Operator ID:

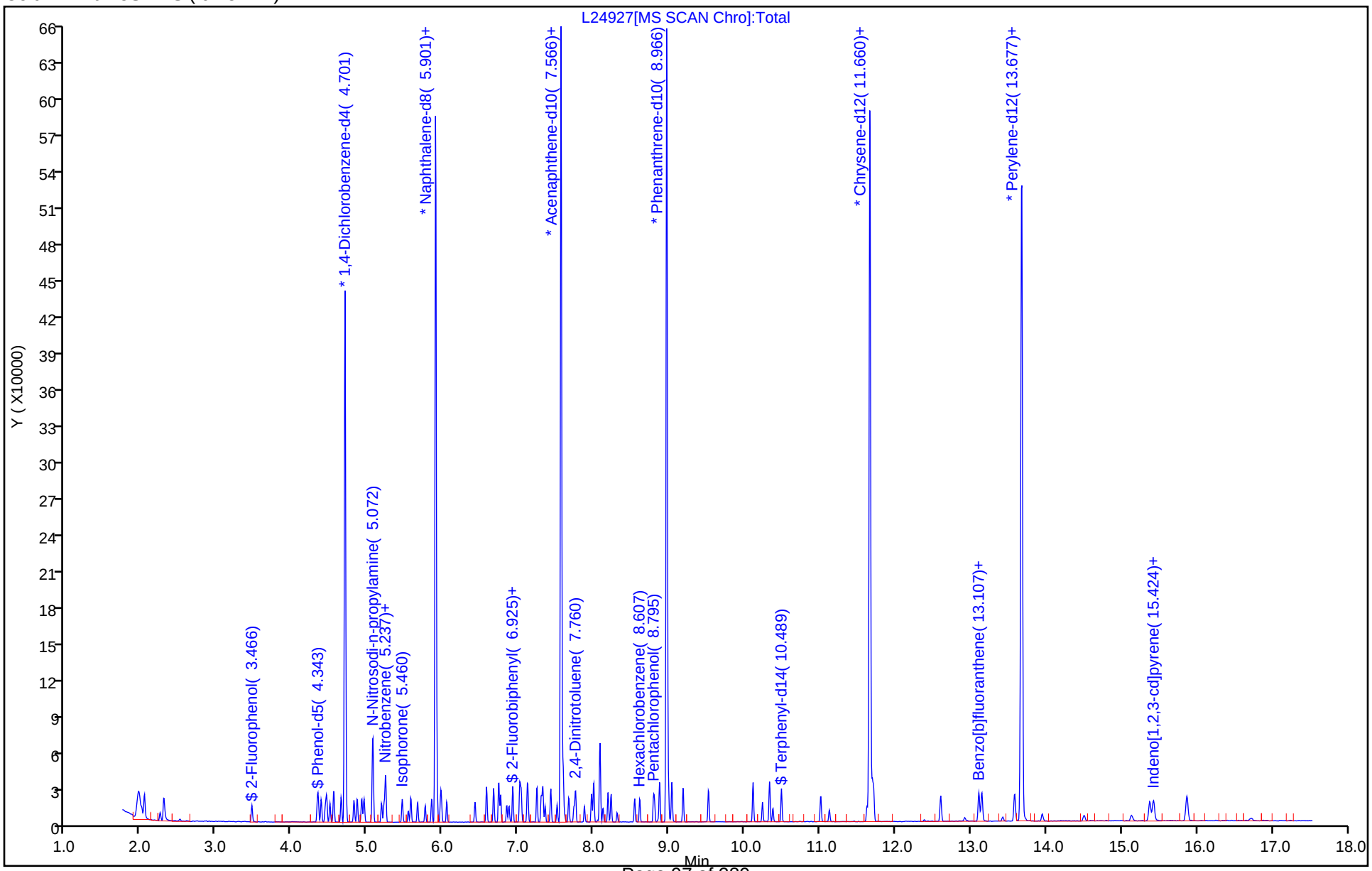
Lims ID: STD2 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24928.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Oct-2019 12:35:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-009
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:41 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 13:03:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.007	2.008	-0.001	83	815	1.00	0.7606	M
$ 4 2-Fluorophenol	112	3.466	3.466	0.000	95	3619	1.00	1.10	
$ 6 Phenol-d5	99	4.337	4.343	-0.006	0	4018	1.00	0.99	a
9 Bis(2-chloroethyl)ether	93	4.442	4.449	-0.007	94	3279	1.00	0.9831	
* 13 1,4-Dichlorobenzene-d4	152	4.701	4.701	0.000	96	96165	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	5.072	5.078	-0.006	87	2330	1.00	1.00	a
25 Hexachloroethane	117	5.184	5.190	-0.006	91	1427	1.00	0.9821	
$ 26 Nitrobenzene-d5	82	5.219	5.225	-0.006	89	3683	1.00	1.04	
27 Nitrobenzene	123	5.237	5.243	-0.006	90	1435	1.00	0.9601	
28 n,n'-Dimethylaniline	120	5.242	5.249	-0.006	94	5033	1.00	1.05	
35 1,2,4-Trichlorobenzene	180	5.848	5.854	-0.006	92	2827	1.00	0.9765	
* 36 Naphthalene-d8	136	5.901	5.907	-0.006	99	380554	40.0	40.0	
39 Hexachlorobutadiene	225	6.048	6.054	-0.006	90	1641	1.00	0.9732	
$ 50 2-Fluorobiphenyl	172	6.925	6.931	-0.006	97	7647	1.00	1.06	
60 2,6-Dinitrotoluene	165	7.354	7.366	-0.012	82	949	1.00	0.6819	
* 63 Acenaphthene-d10	164	7.566	7.572	-0.006	95	188702	40.0	40.0	
68 2,4-Dinitrotoluene	165	7.736	7.742	-0.006	88	1578	1.00	0.8253	a
$ 79 2,4,6-Tribromophenol	330	8.313	8.313	0.000	85	862	1.00	0.8285	
81 Hexachlorobenzene	284	8.613	8.613	0.000	92	2105	1.00	1.03	
* 85 Phenanthrene-d10	188	8.966	8.972	-0.006	99	342856	40.0	40.0	
$ 94 Terphenyl-d14	244	10.489	10.495	-0.006	98	6631	1.00	0.9818	
99 Benzo[a]anthracene	228	11.648	11.654	-0.006	98	9883	1.00	1.04	
* 100 Chrysene-d12	240	11.660	11.672	-0.012	99	284744	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.107	13.119	-0.012	98	8557	1.00	0.9123	
105 Benzo[k]fluoranthene	252	13.148	13.160	-0.012	98	9632	1.00	0.9870	
106 Benzo[a]pyrene	252	13.583	13.595	-0.012	95	8141	1.00	0.8980	
* 107 Perylene-d12	264	13.671	13.677	-0.006	98	318372	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.371	15.401	-0.030	95	6840	1.00	0.8465	
109 Dibenz(a,h)anthracene	278	15.424	15.448	-0.024	94	6911	1.00	0.8612	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_IC_BNA_L2_00020 Amount Added: 1.00 Units: mL

Report Date: 23-Oct-2019 07:41:41 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24928.d

Injection Date: 22-Oct-2019 12:35:30 Instrument ID: CBNAMS12 Operator ID:

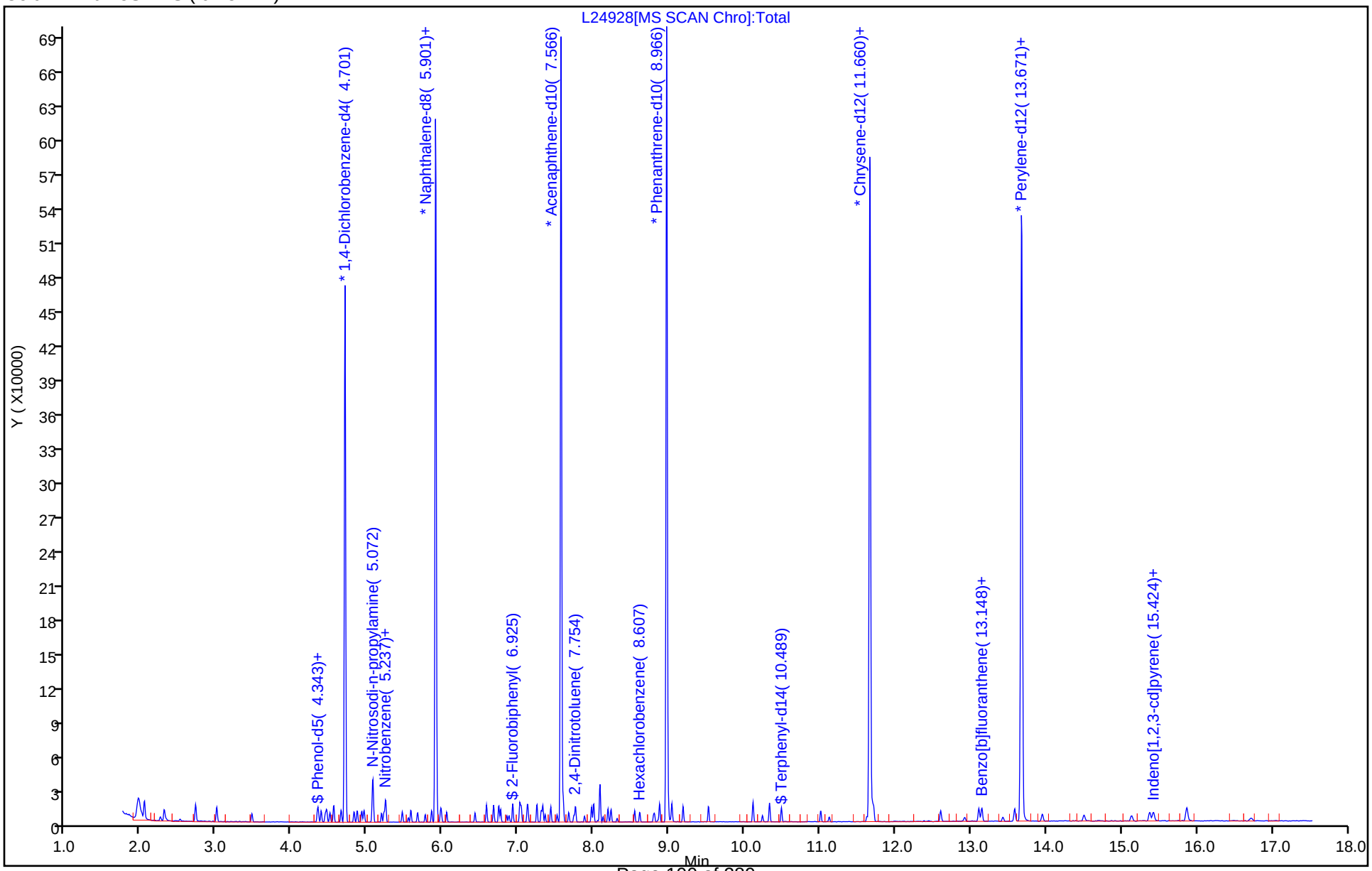
Lims ID: STD1 Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24929.d
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Oct-2019 12:57:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-010
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:43 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 13:25:07

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	2.007	2.008	-0.001	56	404	0.5000	0.3845	M
9 Bis(2-chloroethyl)ether	93	4.443	4.449	-0.006	94	1752	0.5000	0.5357	
* 13 1,4-Dichlorobenzene-d4	152	4.701	4.701	0.000	96	94293	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	5.072	5.078	-0.006	87	1198	0.5000	0.5245	a
25 Hexachloroethane	117	5.184	5.190	-0.006	83	776	0.5000	0.5447	
$ 26 Nitrobenzene-d5	82	5.219	5.225	-0.006	89	1759	0.5000	0.5143	
27 Nitrobenzene	123	5.237	5.243	-0.006	86	507	0.5000	0.3459	
28 n,n'-Dimethylaniline	120	5.243	5.249	-0.005	87	2617	0.5000	0.5562	a
35 1,2,4-Trichlorobenzene	180	5.848	5.854	-0.006	92	1279	0.5000	0.4564	
* 36 Naphthalene-d8	136	5.901	5.907	-0.006	99	368397	40.0	40.0	
$ 50 2-Fluorobiphenyl	172	6.925	6.931	-0.006	98	4118	0.5000	0.5925	
* 63 Acenaphthene-d10	164	7.566	7.572	-0.006	97	182342	40.0	40.0	
81 Hexachlorobenzene	284	8.613	8.613	0.000	83	953	0.5000	0.4596	
* 85 Phenanthrene-d10	188	8.966	8.972	-0.006	99	347431	40.0	40.0	
$ 94 Terphenyl-d14	244	10.489	10.495	-0.006	96	3404	0.5000	0.4873	
99 Benzo[a]anthracene	228	11.648	11.654	-0.006	96	5507	0.5000	0.5581	
* 100 Chrysene-d12	240	11.666	11.672	-0.006	99	294478	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.113	13.119	-0.006	93	4165	0.5000	0.4484	
105 Benzo[k]fluoranthene	252	13.148	13.160	-0.012	98	4524	0.5000	0.4682	
106 Benzo[a]pyrene	252	13.583	13.595	-0.012	95	4394	0.5000	0.4894	
* 107 Perylene-d12	264	13.677	13.677	0.000	97	315272	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.377	15.401	-0.024	91	3475	0.5000	0.4343	
109 Dibenz(a,h)anthracene	278	15.424	15.448	-0.024	92	3395	0.5000	0.4272	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_IC_BNA_L1_00022 Amount Added: 1.00 Units: mL

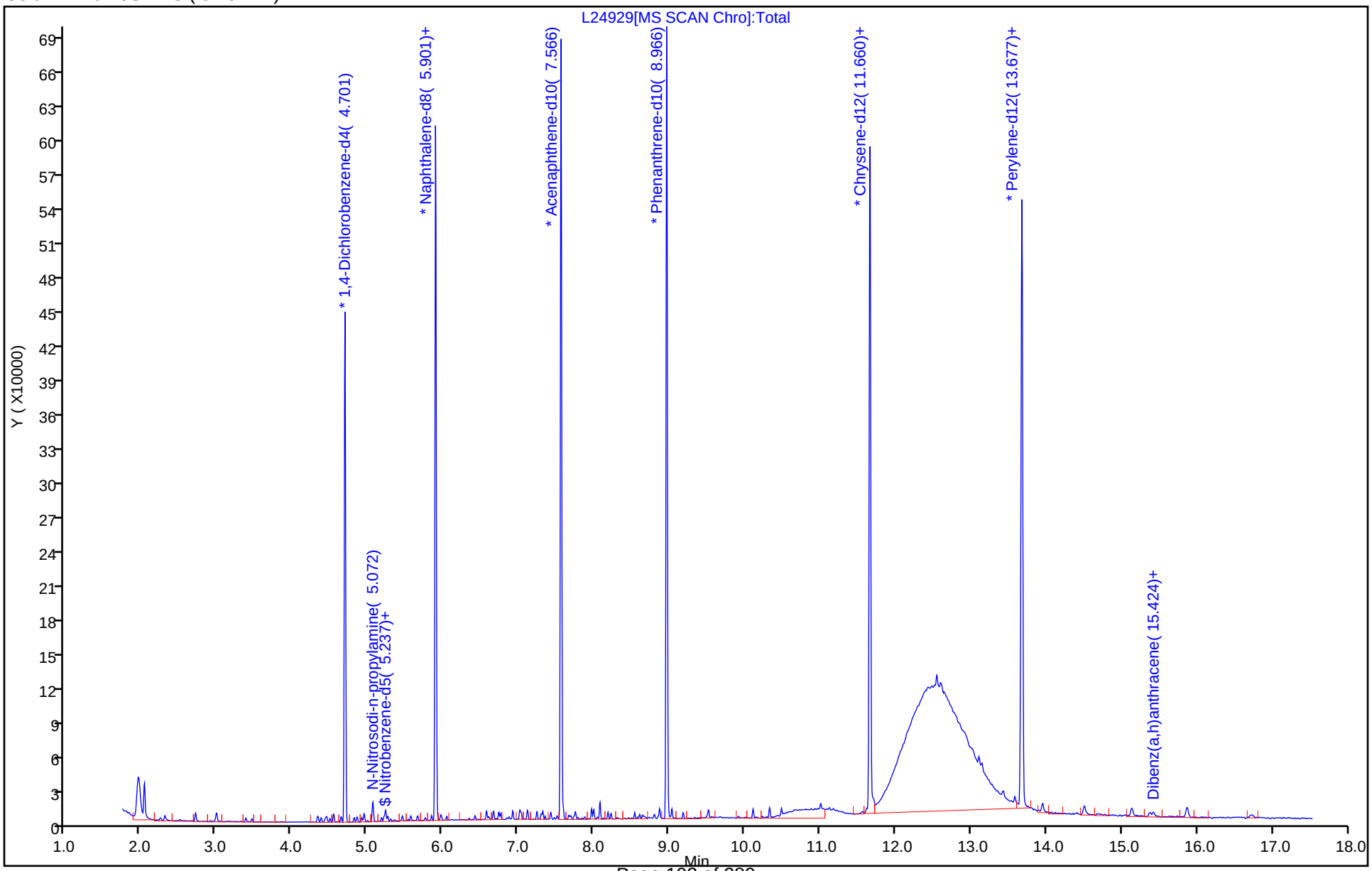
Report Date: 23-Oct-2019 07:41:44 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24929.d

Injection Date:	22-Oct-2019 12:57:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	STD05			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCVIS 460-659590/2 Calibration Date: 12/02/2019 21:13

Instrument ID: CBNAMS12 Calib Start Date: 10/22/2019 09:58

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 10/22/2019 12:57

Lab File ID: L25963.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4457	0.3690	0.0100	41400	50000	-17.2	20.0
N-Nitrosodimethylamine	Ave	0.8397	0.6609		39400	50000	-21.3*	20.0
Pyridine	Ave	1.265	1.159		91700	100000	-8.3	20.0
Phenol	Ave	1.811	1.876	0.8000	51800	50000	3.6	20.0
Aniline	Ave	2.139	2.069		48400	50000	-3.2	20.0
Bis(2-chloroethyl)ether	Ave	1.387	1.362	0.7000	49100	50000	-1.8	20.0
2-Chlorophenol	Ave	1.407	1.398	0.8000	49700	50000	-0.6	20.0
n-Decane	Ave	1.921	2.026	0.0100	52700	50000	5.5	20.0
1,3-Dichlorobenzene	Ave	1.497	1.486		49600	50000	-0.7	20.0
1,4-Dichlorobenzene	Ave	1.508	1.465		48600	50000	-2.9	20.0
Benzyl alcohol	Ave	0.9166	0.8663	0.0100	47300	50000	-5.5	20.0
1,2-Dichlorobenzene	Ave	1.455	1.428		49100	50000	-1.8	20.0
2-Methylphenol	Ave	1.251	1.271	0.7000	50800	50000	1.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.782	2.974	0.0100	53500	50000	6.9	20.0
N-Methylaniline	Ave	1.918	1.821		47500	50000	-5.1	20.0
Acetophenone	Ave	1.963	1.971	0.0100	50200	50000	0.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.9690	0.9827	0.5000	50700	50000	1.4	20.0
3 & 4 Methylphenol	Ave	1.397	1.270		45400	50000	-9.1	20.0
4-Methylphenol	Ave	1.397	1.270	0.6000	45400	50000	-9.1	20.0
Hexachloroethane	Ave	0.6044	0.6057	0.3000	50100	50000	0.2	20.0
n,n'-Dimethylaniline	Ave	1.996	1.954	0.0100	49000	50000	-2.1	20.0
Nitrobenzene	Ave	0.6217	0.6537	0.2000	52600	50000	5.1	20.0
Isophorone	Ave	0.6622	0.6903	0.4000	52100	50000	4.2	20.0
2-Nitrophenol	Ave	0.1881	0.1985	0.1000	52800	50000	5.5	20.0
2,4-Dimethylphenol	Ave	0.3008	0.2949	0.2000	49000	50000	-2.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.4268	0.4258	0.3000	49900	50000	-0.2	20.0
Benzoic acid	Lin2		0.1474		35300	50000	-29.4*	20.0
2,4-Dichlorophenol	Ave	0.2703	0.2893	0.2000	53500	50000	7.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3043	0.3151		51800	50000	3.5	20.0
Naphthalene	Ave	0.9633	0.9851	0.7000	51100	50000	2.3	20.0
4-Chloroaniline	Ave	0.4223	0.4335	0.0100	51300	50000	2.7	20.0
Hexachlorobutadiene	Ave	0.1772	0.1870	0.0100	52700	50000	5.5	20.0
4-Chloro-3-methylphenol	Ave	0.2945	0.3266		55400	50000	10.9	20.0
2-Methylnaphthalene	Ave	0.6571	0.6752	0.4000	51400	50000	2.8	20.0
1-Methylnaphthalene	Ave	0.6039	0.6346	0.0100	52500	50000	5.1	20.0
Hexachlorocyclopentadiene	Ave	0.4047	0.2322	0.0500	28700	50000	-42.6*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6128	0.6283	0.0100	51300	50000	2.5	20.0
2-tertbutyl-4-methylphenol	Ave	0.4185	0.4456	0.0100	53200	50000	6.5	20.0
2,4,6-Trichlorophenol	Ave	0.4222	0.4041	0.2000	47900	50000	-4.3	20.0
2,4,5-Trichlorophenol	Ave	0.4610	0.4634	0.2000	50300	50000	0.5	20.0
1,1'-Biphenyl	Ave	1.593	1.611	0.0100	50600	50000	1.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCVIS 460-659590/2 Calibration Date: 12/02/2019 21:13

Instrument ID: CBNAMS12 Calib Start Date: 10/22/2019 09:58

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 10/22/2019 12:57

Lab File ID: L25963.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.238	1.255	0.8000	50700	50000	1.4	20.0
Phenyl ether	Ave	0.8159	0.9028	0.0100	55300	50000	10.6	20.0
2-Nitroaniline	Ave	0.4906	0.5481	0.0100	55900	50000	11.7	20.0
1,3-Dimethylnaphthalene	Ave	0.9866	0.9710	0.0100	49200	50000	-1.6	20.0
Dimethyl phthalate	Ave	1.449	1.478	0.0100	51000	50000	2.0	20.0
Coumarin	Ave	0.2436	0.2545	0.0100	52200	50000	4.4	20.0
2,6-Dinitrotoluene	Ave	0.2950	0.3262	0.2000	55300	50000	10.6	20.0
Acenaphthylene	Ave	1.990	1.963	0.9000	49300	50000	-1.4	20.0
3-Nitroaniline	Ave	0.3840	0.3978	0.0100	51800	50000	3.6	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9787	1.065	0.0100	54400	50000	8.8	20.0
Acenaphthene	Ave	1.374	1.150	0.9000	41900	50000	-16.3	20.0
2,4-Dinitrophenol	Lin2		0.1870	0.0100	87600	100000	-12.4	20.0
4-Nitrophenol	Ave	0.3161	0.2899	0.0100	91700	100000	-8.3	20.0
2,4-Dinitrotoluene	Ave	0.4053	0.4480	0.2000	55300	50000	10.5	20.0
Dibenzofuran	Ave	1.822	1.820	0.8000	50000	50000	-0.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3675	0.3400	0.0100	46200	50000	-7.5	20.0
Diethyl phthalate	Ave	1.591	1.623	0.0100	51000	50000	2.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.6629	0.6725	0.4000	50700	50000	1.4	20.0
Fluorene	Ave	1.415	1.425	0.9000	50300	50000	0.7	20.0
4-Nitroaniline	Ave	0.3968	0.3861	0.0100	48700	50000	-2.7	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1267	0.0100	96300	100000	-3.7	20.0
N-Nitrosodiphenylamine	Ave	0.5388	0.5375	0.0100	49900	50000	-0.2	20.0
1,2-Diphenylhydrazine	Ave	0.7961	0.8331	0.0100	52300	50000	4.6	20.0
4-Bromophenyl phenyl ether	Ave	0.1995	0.2045	0.1000	51200	50000	2.5	20.0
Hexachlorobenzene	Ave	0.2388	0.2534	0.1000	53100	50000	6.1	20.0
Pentachlorophenol	Ave	0.1468	0.1190	0.0500	81100	100000	-18.9	20.0
Pentachloronitrobenzene	Ave	0.1020	0.1126	0.0100	55200	50000	10.4	20.0
n-Octadecane	Ave	0.6561	0.6792	0.0100	51800	50000	3.5	20.0
Phenanthrene	Ave	1.062	1.096	0.7000	51600	50000	3.1	20.0
Anthracene	Ave	1.081	1.147	0.7000	53100	50000	6.1	20.0
Carbazole	Ave	1.045	1.090	0.0100	52100	50000	4.2	20.0
Di-n-butyl phthalate	Ave	1.387	1.457	0.0100	52500	50000	5.0	20.0
Fluoranthene	Ave	1.219	1.299	0.6000	53300	50000	6.6	20.0
Benzidine	Ave	0.7944	0.8650		54400	50000	8.9	20.0
Pyrene	Ave	1.527	1.615	0.6000	52900	50000	5.8	20.0
Bisphenol-A	Ave	0.6399	0.6967		54400	50000	8.9	20.0
Butyl benzyl phthalate	Ave	0.7277	0.8196	0.0100	56300	50000	12.6	20.0
2,3,7,8-TCDD	Ave	0.1523	0.1662	0.0100	546	500	9.2	20.0
Carbamazepine	Ave	0.5327	0.6956	0.0100	65300	50000	30.6*	20.0
3,3'-Dichlorobenzidine	Ave	0.5027	0.5968	0.0100	59400	50000	18.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCVIS 460-659590/2 Calibration Date: 12/02/2019 21:13

Instrument ID: CBNAMS12 Calib Start Date: 10/22/2019 09:58

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 10/22/2019 12:57

Lab File ID: L25963.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.340	1.455	0.8000	54300	50000	8.6	20.0
Chrysene	Ave	1.253	1.333	0.7000	53200	50000	6.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.050	1.111	0.0100	52900	50000	5.8	20.0
Di-n-octyl phthalate	Ave	1.625	1.851	0.0100	56900	50000	13.9	20.0
Benzo[b]fluoranthene	Ave	1.178	1.290	0.7000	54800	50000	9.5	20.0
Benzo[k]fluoranthene	Ave	1.226	1.320	0.7000	53800	50000	7.7	20.0
Benzo[a]pyrene	Ave	1.139	1.186	0.7000	52000	50000	4.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.015	1.122	0.5000	55200	50000	10.5	20.0
Dibenz(a,h)anthracene	Ave	1.008	1.052	0.4000	52200	50000	4.3	20.0
Benzo[g,h,i]perylene	Ave	1.113	1.071	0.5000	48100	50000	-3.8	20.0
2-Fluorophenol (Surr)	Ave	1.368	1.301		47600	50000	-4.9	20.0
Phenol-d5 (Surr)	Ave	1.684	1.713		50900	50000	1.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3714	0.3994		53800	50000	7.5	20.0
2-Fluorobiphenyl	Ave	1.525	1.505		49400	50000	-1.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2206	0.2350		53300	50000	6.6	20.0
Terphenyl-d14 (Surr)	Ave	0.9488	1.012		53300	50000	6.6	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25963.d
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 02-Dec-2019 21:13:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102169-002
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub18

Method: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 03-Dec-2019 07:39:28 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: eisam Date: 02-Dec-2019 21:43:28

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	1.675	1.675	0.000	92	51625	50.0	41.4	
2 N-Nitrosodimethylamine	74	1.916	1.916	0.000	77	92475	50.0	39.4	
3 Pyridine	79	1.940	1.940	0.000	75	324457	100.0	91.7	
$ 4 2-Fluorophenol	112	3.093	3.093	0.000	93	182044	50.0	47.6	
$ 6 Phenol-d5	99	4.004	4.004	0.000	0	239626	50.0	50.9	
7 Phenol	94	4.022	4.022	0.000	95	262540	50.0	51.8	
8 Aniline	93	4.028	4.028	0.000	97	289547	50.0	48.4	
9 Bis(2-chloroethyl)ether	93	4.087	4.087	0.000	97	190625	50.0	49.1	
10 2-Chlorophenol	128	4.146	4.146	0.000	93	195618	50.0	49.7	
11 n-Decane	43	4.193	4.193	0.000	95	283473	50.0	52.7	
12 1,3-Dichlorobenzene	146	4.293	4.293	0.000	95	207930	50.0	49.6	
* 13 1,4-Dichlorobenzene-d4	152	4.345	4.345	0.000	96	111933	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.363	4.363	0.000	95	204907	50.0	48.6	
15 Benzyl alcohol	108	4.487	4.487	0.000	91	121204	50.0	47.3	
16 1,2-Dichlorobenzene	146	4.510	4.510	0.000	95	199790	50.0	49.1	
17 2-Methylphenol	108	4.610	4.610	0.000	85	177816	50.0	50.8	
18 2,2'-oxybis[1-chloropropan	45	4.616	4.616	0.000	93	416093	50.0	53.5	
130 N-Methylaniline	106	4.734	4.734	0.000	0	254831	50.0	47.5	
22 Acetophenone	105	4.745	4.745	0.000	89	275718	50.0	50.2	
21 N-Nitrosodi-n-propylamine	70	4.745	4.745	0.000	94	137491	50.0	50.7	
20 3 & 4 Methylphenol	108	4.763	4.763	0.000	80	177624	50.0	45.4	
19 4-Methylphenol	108	4.763	4.763	0.000	87	177624	50.0	45.4	
25 Hexachloroethane	117	4.840	4.840	0.000	96	84752	50.0	50.1	
$ 26 Nitrobenzene-d5	82	4.893	4.893	0.000	93	214771	50.0	53.8	
27 Nitrobenzene	123	4.910	4.910	0.000	86	91459	50.0	52.6	
28 n,n'-Dimethylaniline	120	4.910	4.910	0.000	80	273440	50.0	49.0	
29 Isophorone	82	5.140	5.140	0.000	99	371173	50.0	52.1	
30 2-Nitrophenol	139	5.222	5.222	0.000	87	106758	50.0	52.8	
31 2,4-Dimethylphenol	122	5.281	5.281	0.000	88	158577	50.0	49.0	
32 Bis(2-chloroethoxy)methane	93	5.357	5.357	0.000	95	228973	50.0	49.9	
33 Benzoic acid	122	5.404	5.404	0.000	89	79265	50.0	35.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.469	5.469	0.000	94	155583	50.0	53.5	
35 1,2,4-Trichlorobenzene	180	5.540	5.540	0.000	95	169424	50.0	51.8	
* 36 Naphthalene-d8	136	5.592	5.592	0.000	99	430188	40.0	40.0	
37 Naphthalene	128	5.610	5.610	0.000	98	529710	50.0	51.1	
38 4-Chloroaniline	127	5.675	5.675	0.000	95	233125	50.0	51.3	
39 Hexachlorobutadiene	225	5.740	5.740	0.000	95	100542	50.0	52.7	
41 4-Chloro-3-methylphenol	107	6.163	6.163	0.000	98	175597	50.0	55.4	
42 2-Methylnaphthalene	142	6.287	6.287	0.000	84	363089	50.0	51.4	
43 1-Methylnaphthalene	142	6.381	6.381	0.000	92	341248	50.0	52.5	
44 Hexachlorocyclopentadiene	237	6.451	6.451	0.000	97	62850	50.0	28.7	
45 1,2,4,5-Tetrachlorobenzene	216	6.457	6.457	0.000	97	170022	50.0	51.3	
46 2-tertbutyl-4-methylphenol	149	6.498	6.498	0.000	89	239596	50.0	53.2	
48 2,4,6-Trichlorophenol	196	6.575	6.575	0.000	88	109357	50.0	47.9	
49 2,4,5-Trichlorophenol	196	6.616	6.616	0.000	97	125398	50.0	50.3	
$ 50 2-Fluorobiphenyl	172	6.645	6.645	0.000	97	407360	50.0	49.4	
51 1,1'-Biphenyl	154	6.745	6.745	0.000	96	435906	50.0	50.6	
52 2-Chloronaphthalene	162	6.763	6.763	0.000	97	339640	50.0	50.7	
53 Phenyl ether	170	6.845	6.845	0.000	89	244310	50.0	55.3	
54 2-Nitroaniline	65	6.869	6.869	0.000	96	148333	50.0	55.9	
55 1,3-Dimethylnaphthalene	156	6.975	6.975	0.000	91	262783	50.0	49.2	
58 Dimethyl phthalate	163	7.045	7.045	0.000	99	399923	50.0	51.0	
59 Coumarin	146	7.069	7.069	0.000	79	136829	50.0	52.2	
60 2,6-Dinitrotoluene	165	7.104	7.104	0.000	93	88264	50.0	55.3	
61 Acenaphthylene	152	7.163	7.163	0.000	97	531169	50.0	49.3	
62 3-Nitroaniline	138	7.269	7.269	0.000	93	107658	50.0	51.8	
* 63 Acenaphthene-d10	164	7.298	7.298	0.000	94	216497	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.328	7.328	0.000	98	288271	50.0	54.4	
65 Acenaphthene	154	7.328	7.328	0.000	96	311345	50.0	41.9	
66 2,4-Dinitrophenol	184	7.381	7.381	0.000	92	101225	100.0	87.6	
67 4-Nitrophenol	65	7.463	7.463	0.000	94	156895	100.0	91.7	
69 Dibenzofuran	168	7.498	7.498	0.000	97	492624	50.0	50.0	
68 2,4-Dinitrotoluene	165	7.498	7.498	0.000	83	121232	50.0	55.3	
70 2,3,4,6-Tetrachlorophenol	232	7.628	7.628	0.000	92	92000	50.0	46.2	
71 Diethyl phthalate	149	7.728	7.728	0.000	97	439251	50.0	51.0	
73 4-Chlorophenyl phenyl ethe	204	7.828	7.828	0.000	77	181984	50.0	50.7	
74 Fluorene	166	7.828	7.828	0.000	95	385684	50.0	50.3	
75 4-Nitroaniline	138	7.869	7.869	0.000	93	104487	50.0	48.7	
76 4,6-Dinitro-2-methylphenol	198	7.904	7.904	0.000	79	130992	100.0	96.3	
77 N-Nitrosodiphenylamine	169	7.945	7.945	0.000	99	277888	50.0	49.9	
78 1,2-Diphenylhydrazine	77	7.981	7.981	0.000	99	430689	50.0	52.3	
$ 79 2,4,6-Tribromophenol	330	8.069	8.069	0.000	94	63600	50.0	53.3	
80 4-Bromophenyl phenyl ether	248	8.298	8.298	0.000	84	105732	50.0	51.2	
81 Hexachlorobenzene	284	8.369	8.369	0.000	97	131000	50.0	53.1	
83 Pentachlorophenol	266	8.569	8.569	0.000	90	123058	100.0	81.1	
84 Pentachloronitrobenzene	237	8.575	8.575	0.000	85	58214	50.0	55.2	
72 n-Octadecane	57	8.639	8.639	0.000	91	351159	50.0	51.8	
* 85 Phenanthrene-d10	188	8.733	8.733	0.000	98	413602	40.0	40.0	
86 Phenanthrene	178	8.757	8.757	0.000	98	566514	50.0	51.6	
87 Anthracene	178	8.804	8.804	0.000	98	593133	50.0	53.1	
88 Carbazole	167	8.963	8.963	0.000	96	563379	50.0	52.1	
89 Di-n-butyl phthalate	149	9.298	9.298	0.000	100	753065	50.0	52.5	
90 Fluoranthene	202	9.898	9.898	0.000	98	671589	50.0	53.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Benzidine	184	10.027	10.027	0.000	99	447190	50.0	54.4	
92 Pyrene	202	10.116	10.116	0.000	98	689990	50.0	52.9	
93 Bisphenol-A	213	10.180	10.180	0.000	98	297586	50.0	54.4	
$ 94 Terphenyl-d14	244	10.269	10.269	0.000	100	432053	50.0	53.3	
95 Butyl benzyl phthalate	149	10.780	10.780	0.000	97	350072	50.0	56.3	
96 2,3,7,8-TCDD	320	10.898	10.898	0.000	78	710	0.5000	0.5458	
97 Carbamazepine	193	10.904	10.904	0.000	92	297110	50.0	65.3	
98 3,3'-Dichlorobenzidine	252	11.392	11.392	0.000	99	254895	50.0	59.4	
99 Benzo[a]anthracene	228	11.416	11.416	0.000	99	621623	50.0	54.3	
* 100 Chrysene-d12	240	11.427	11.427	0.000	99	341693	40.0	40.0	
101 Chrysene	228	11.457	11.457	0.000	99	569321	50.0	53.2	
102 Bis(2-ethylhexyl) phthalat	149	11.463	11.463	0.000	89	474588	50.0	52.9	
103 Di-n-octyl phthalate	149	12.304	12.304	0.000	97	818815	50.0	56.9	
104 Benzo[b]fluoranthene	252	12.798	12.798	0.000	99	570965	50.0	54.8	
105 Benzo[k]fluoranthene	252	12.833	12.833	0.000	100	584021	50.0	53.8	
106 Benzo[a]pyrene	252	13.233	13.233	0.000	97	524544	50.0	52.0	
* 107 Perylene-d12	264	13.310	13.310	0.000	97	353960	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.810	14.810	0.000	98	496302	50.0	55.2	M
109 Dibenz(a,h)anthracene	278	14.833	14.833	0.000	94	465297	50.0	52.2	
110 Benzo[g,h,i]perylene	276	15.233	15.233	0.000	97	473667	50.0	48.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L6_00039 Amount Added: 1.00 Units: mL

Report Date: 03-Dec-2019 07:39:30 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25963.d

Injection Date: 02-Dec-2019 21:13:30 Instrument ID: CBNAMS12 Operator ID:

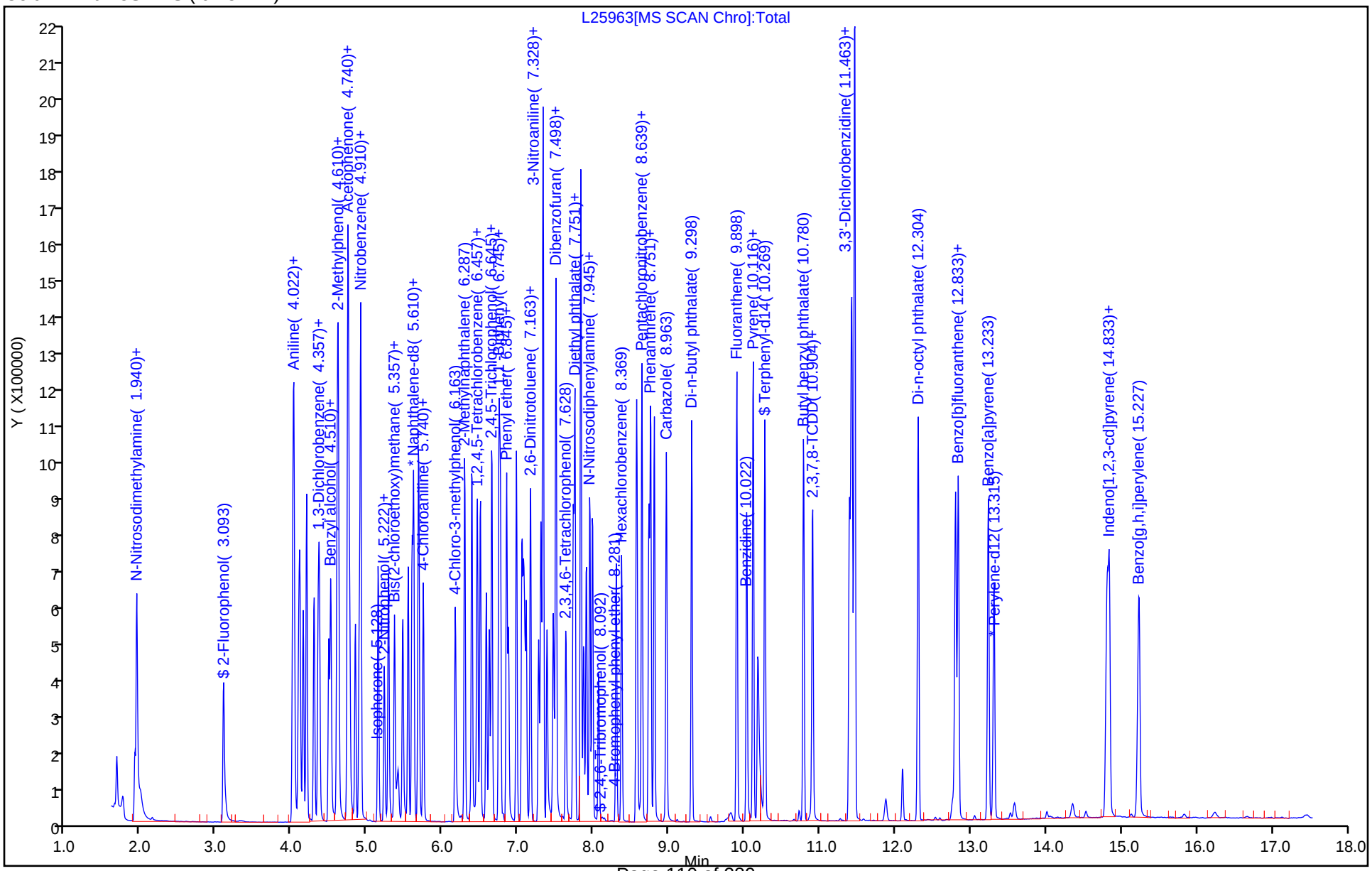
Lims ID: ccvis Worklist Smp#: 2

Client ID:

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

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24920.d
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Oct-2019 09:45:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0099802-001
Operator ID: Instrument ID: CBNAMS12

Method: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 23-Oct-2019 07:41:05 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0319

First Level Reviewer: johnstonm1 Date: 22-Oct-2019 09:56:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.816	4.816	0.000	93	69414	NR	NR	
47 Benzidine_T	184	6.028	6.028	0.000	100	487543	NR	NR	
121 DFTPP									
122 4,4'-DDE	246	6.175	6.175	0.000	68	131		NR	a
123 4,4'-DDD	235	6.469	6.469	0.000	90	864		NR	a
124 4,4'-DDT	235	6.687	6.687	0.000	99	201556	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

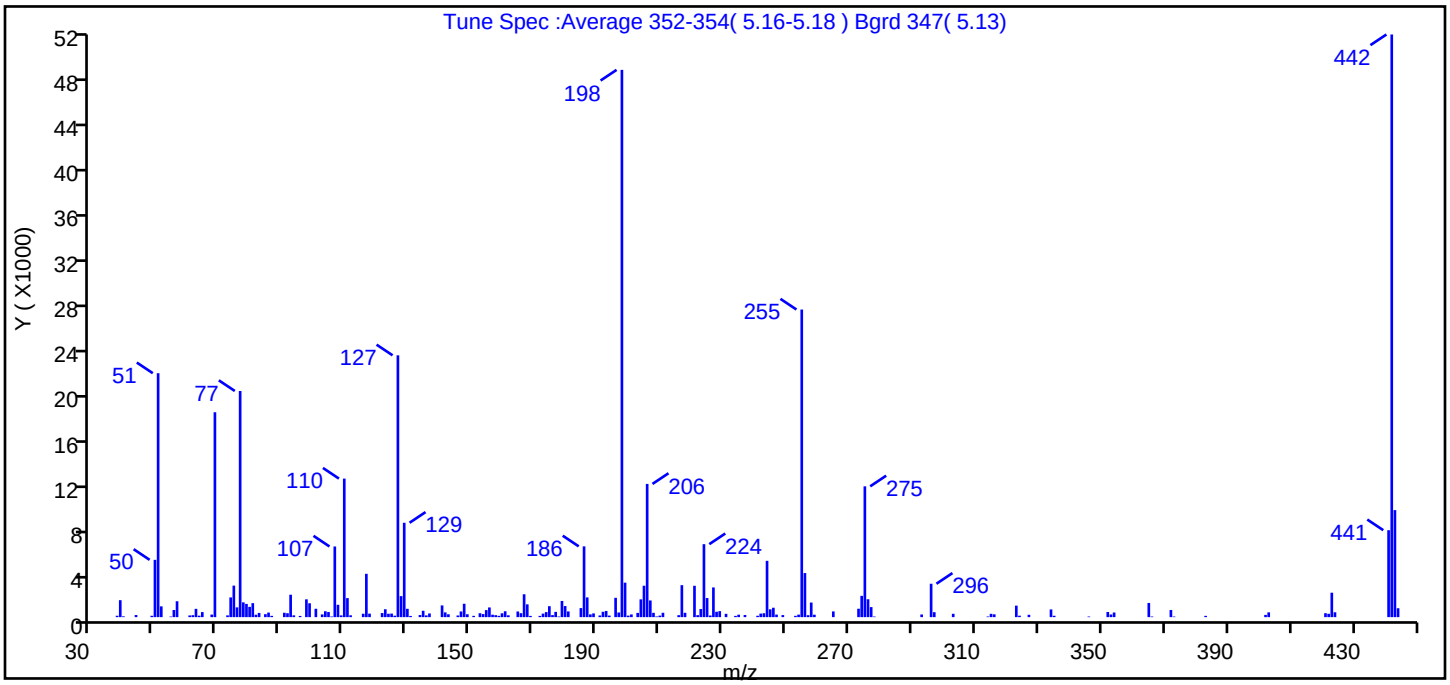
SMDFTP_CH_00029 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24920.d
Injection Date: 22-Oct-2019 09:45:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (93.9)
51	10-80% of the base peak	44.6
68	<2% of mass 69	0.5 (1.3)
69	Present	37.4
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	47.8
197	<2% of mass 198	0.8
199	5-9% of mass 198	6.3
275	10-60% of the base peak	23.9
365	>1% of mass 198	2.6
441	present but <24% of mass 442	15.9 (14.9)
442	base peak, or >50% of 198	106.5
443	15-24% of mass 442	19.6 (18.4)

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24920.d\8270_12R_9.rslt\spectra.d
Injection Date: 22-Oct-2019 09:45:30
Spectrum: Tune Spec :Average 352-354(5.16-5.18) Bgrd 347(5.13)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	123	112.00	162	180.00	972	249.00	181
39.00	1488	116.00	299	181.00	501	253.00	116
40.00	71	117.00	3801	185.00	794	254.00	220
44.00	185	118.00	308	186.00	6207	255.00	26976
49.00	121	122.00	359	187.00	1731	256.00	3866
50.00	5024	123.00	693	188.00	242	257.00	171
51.00	21392	124.00	297	189.00	328	258.00	1280
52.00	946	125.00	313	191.00	147	259.00	213
55.00	50	126.00	127	192.00	469	265.00	503
56.00	626	127.00	22960	193.00	542	273.00	738
57.00	1395	128.00	1845	194.00	137	274.00	1868
61.00	149	129.00	8276	196.00	1696	275.00	11471
62.00	172	130.00	731	197.00	406	276.00	1569
63.00	728	131.00	107	198.00	47992	277.00	880
64.00	129	134.00	185	199.00	3023	278.00	52
65.00	443	135.00	560	200.00	134	293.00	234
68.00	225	136.00	154	201.00	237	296.00	2929
69.00	17968	137.00	323	203.00	372	297.00	435
73.00	156	141.00	1028	204.00	1560	303.00	294
74.00	1729	142.00	417	205.00	2755	314.00	56
75.00	2766	143.00	251	206.00	11683	315.00	291
76.00	858	146.00	146	207.00	1464	316.00	247
77.00	19832	147.00	500	208.00	379	323.00	1009
78.00	1297	148.00	1174	209.00	57	324.00	128
79.00	1160	149.00	253	210.00	134	327.00	207
80.00	903	151.00	113	211.00	382	334.00	677
81.00	1228	153.00	343	216.00	173	335.00	121
82.00	212	154.00	271	217.00	2804	346.00	55
83.00	371	155.00	618	218.00	381	352.00	450
85.00	261	156.00	850	221.00	2750	353.00	232
86.00	400	157.00	214	222.00	174	354.00	407
87.00	115	158.00	173	223.00	709	365.00	1244
91.00	385	159.00	115	224.00	6399	366.00	55

Report Date: 23-Oct-2019 07:41:06 Chrom Revision: 2.3 09-Oct-2019 11:13:36
Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24920.d\8270_12R_9.rslt\spectra.d
Injection Date: 22-Oct-2019 09:45:30
Spectrum: Tune Spec :Average 352-354(5.16-5.18) Bgrd 347(5.13)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	342	160.00	337	225.00	1675	372.00	627
93.00	1967	161.00	516	226.00	143	373.00	51
94.00	158	162.00	162	227.00	2606	383.00	114
96.00	106	165.00	496	228.00	472	402.00	196
98.00	1562	166.00	345	229.00	527	403.00	419
99.00	1217	167.00	2008	231.00	291	421.00	345
101.00	734	168.00	1123	234.00	111	422.00	294
103.00	240	169.00	110	235.00	215	423.00	2144
104.00	516	172.00	111	237.00	186	424.00	428
105.00	447	173.00	308	241.00	121	441.00	7625
106.00	55	174.00	443	242.00	311	442.00	51096
107.00	6196	175.00	960	243.00	341	443.00	9388
108.00	1085	176.00	179	244.00	4939	444.00	782
109.00	154	177.00	464	245.00	686		
110.00	12149	178.00	52	246.00	825		
111.00	1671	179.00	1419	247.00	225		

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24920.d
Injection Date: 22-Oct-2019 09:45:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

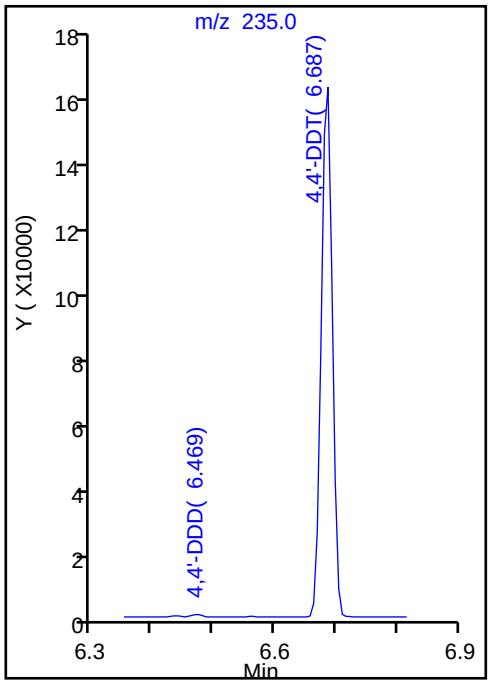
124 4,4'-DDT, Detector: MS SCAN

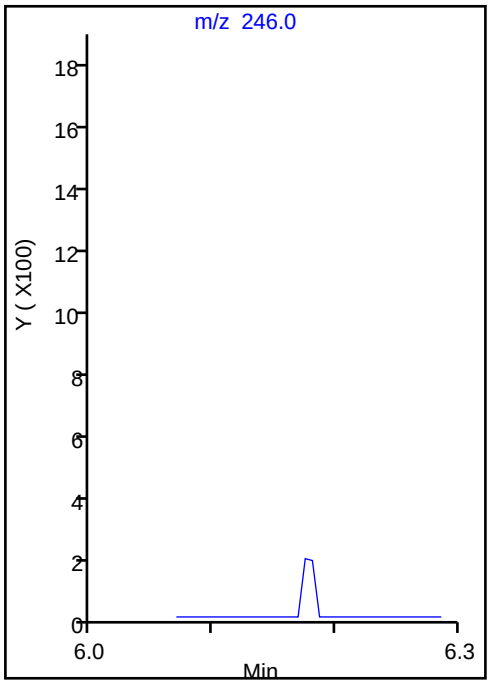
SW-846 Method

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

124 4,4'-DDT, Area = 201556
123 4,4'-DDD, Area = 864
122 4,4'-DDE, Area = 131

%Breakdown: 0.49%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

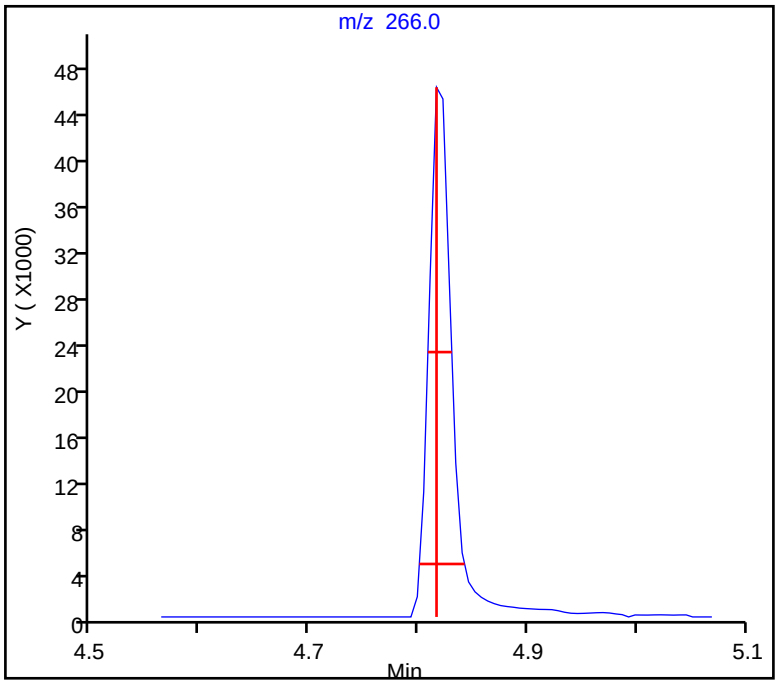
Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24920.d
Injection Date: 22-Oct-2019 09:45:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

23 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.026 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

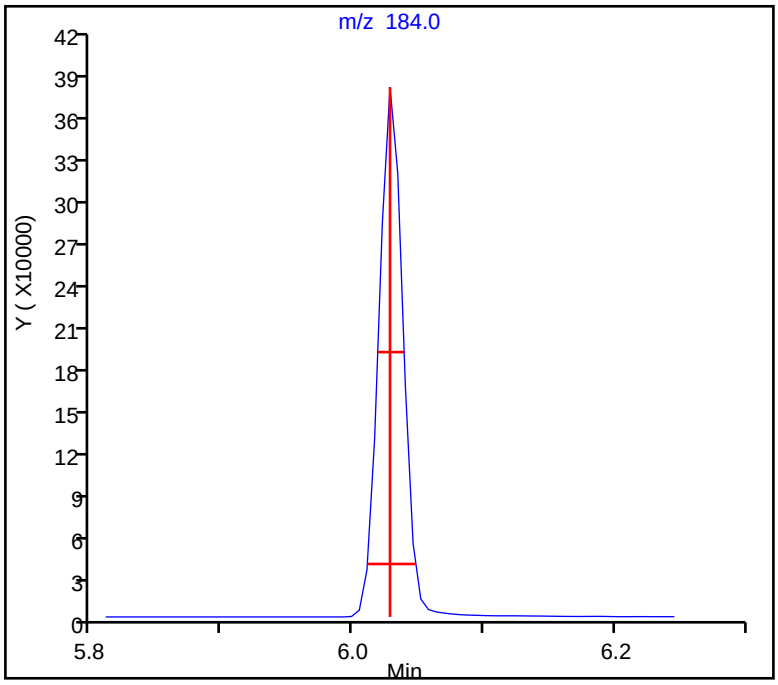
Data File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24920.d
Injection Date: 22-Oct-2019 09:45:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

47 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.020 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25962.d
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 02-Dec-2019 20:47:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102169-001
Operator ID: Instrument ID: CBNAMS12

Method: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 03-Dec-2019 07:38:46 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: eisam Date: 02-Dec-2019 21:19:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.440	4.440	0.000	92	57917	NR	NR	
47 Benzidine_T	184	5.663	5.663	0.000	99	523296	NR	NR	
121 DFTPP									
122 4,4'-DDE	246	5.810	5.810	0.000	71	255		NR	a
123 4,4'-DDD	235	6.098	6.098	0.000	83	1251		NR	
124 4,4'-DDT	235	6.304	6.304	0.000	98	219534	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

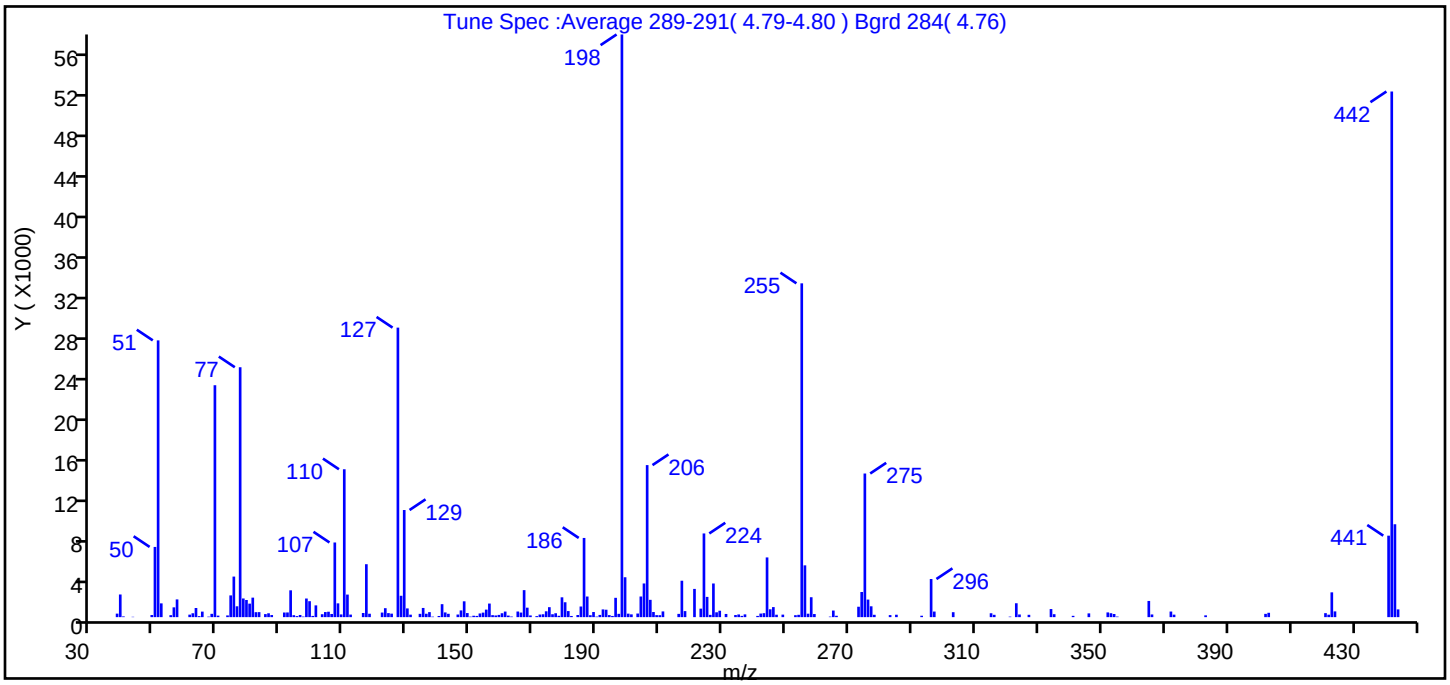
SMDFTP_CH_00029 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25962.d
Injection Date: 02-Dec-2019 20:47:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (110.9)
51	10-80% of the base peak	47.5
68	<2% of mass 69	0.6 (1.4)
69	Present	39.8
70	<2% of mass 69	0.3 (0.7)
127	10-80% of the base peak	49.7
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.8
275	10-60% of the base peak	24.7
365	>1% of mass 198	2.8
441	present but <24% of mass 442	14.0 (15.5)
442	base peak, or >50% of 198	90.2
443	15-24% of mass 442	15.9 (17.7)

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25962.d\8270_12R_9.rslt\spectra.d
Injection Date: 02-Dec-2019 20:47:30
Spectrum: Tune Spec :Average 289-291(4.79-4.80) Bgrd 284(4.76)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 213

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	349	112.00	253	180.00	1476	253.00	193
39.00	2247	116.00	410	181.00	602	254.00	231
40.00	72	117.00	5250	182.00	117	255.00	33104
43.00	33	118.00	338	184.00	212	256.00	5136
49.00	208	122.00	454	185.00	1055	257.00	341
50.00	6963	123.00	888	186.00	7854	258.00	1975
51.00	27448	124.00	400	187.00	2045	259.00	308
52.00	1366	125.00	347	188.00	192	264.00	53
55.00	195	127.00	28712	189.00	509	265.00	655
56.00	972	128.00	2119	190.00	51	266.00	137
57.00	1759	129.00	10624	191.00	220	273.00	1032
61.00	248	130.00	865	192.00	766	274.00	2494
62.00	385	131.00	245	193.00	736	275.00	14244
63.00	907	134.00	327	194.00	203	276.00	1742
64.00	100	135.00	912	195.00	118	277.00	1075
65.00	549	136.00	336	196.00	1916	278.00	233
67.00	50	137.00	498	197.00	328	283.00	203
68.00	329	138.00	50	198.00	57784	285.00	239
69.00	23000	140.00	115	199.00	3956	293.00	140
70.00	151	141.00	1287	200.00	345	296.00	3782
73.00	171	142.00	468	201.00	275	297.00	554
74.00	2156	143.00	332	203.00	358	303.00	491
75.00	4023	146.00	259	204.00	2047	315.00	386
76.00	1076	147.00	667	205.00	3340	316.00	231
77.00	24784	148.00	1570	206.00	15078	321.00	51
78.00	1851	149.00	405	207.00	1717	323.00	1378
79.00	1700	150.00	51	208.00	509	324.00	264
80.00	1339	151.00	140	209.00	200	327.00	232
81.00	1934	152.00	122	210.00	194	334.00	803
82.00	492	153.00	365	211.00	568	335.00	293
83.00	497	154.00	448	216.00	324	341.00	130
85.00	301	155.00	746	217.00	3612	346.00	373
86.00	383	156.00	1348	218.00	598	352.00	469

Report Date: 03-Dec-2019 07:38:48 Chrom Revision: 2.3 09-Oct-2019 11:13:36
Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25962.d\8270_12R_9.rslt\spectra.d
Injection Date: 02-Dec-2019 20:47:30
Spectrum: Tune Spec :Average 289-291(4.79-4.80) Bgrd 284(4.76)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 213

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	207	157.00	198	221.00	2800	353.00	389
91.00	459	158.00	166	223.00	844	354.00	311
92.00	465	159.00	222	224.00	8300	355.00	55
93.00	2660	160.00	387	225.00	2008	365.00	1606
94.00	194	161.00	553	226.00	225	366.00	267
95.00	105	162.00	155	227.00	3338	372.00	556
96.00	215	163.00	59	228.00	481	373.00	246
97.00	54	165.00	558	229.00	635	383.00	178
98.00	1847	166.00	453	231.00	315	402.00	325
99.00	1581	167.00	2678	234.00	209	403.00	432
100.00	121	168.00	939	235.00	267	421.00	396
101.00	1167	169.00	168	236.00	127	422.00	244
103.00	289	171.00	102	237.00	275	423.00	2459
104.00	504	172.00	258	241.00	122	424.00	570
105.00	537	173.00	286	242.00	356	441.00	8080
106.00	315	174.00	581	243.00	394	442.00	52128
107.00	7404	175.00	989	244.00	5922	443.00	9212
108.00	1368	176.00	287	245.00	779	444.00	769
109.00	269	177.00	385	246.00	996		
110.00	14666	178.00	134	247.00	240		
111.00	2238	179.00	1967	249.00	250		

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25962.d
Injection Date: 02-Dec-2019 20:47:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

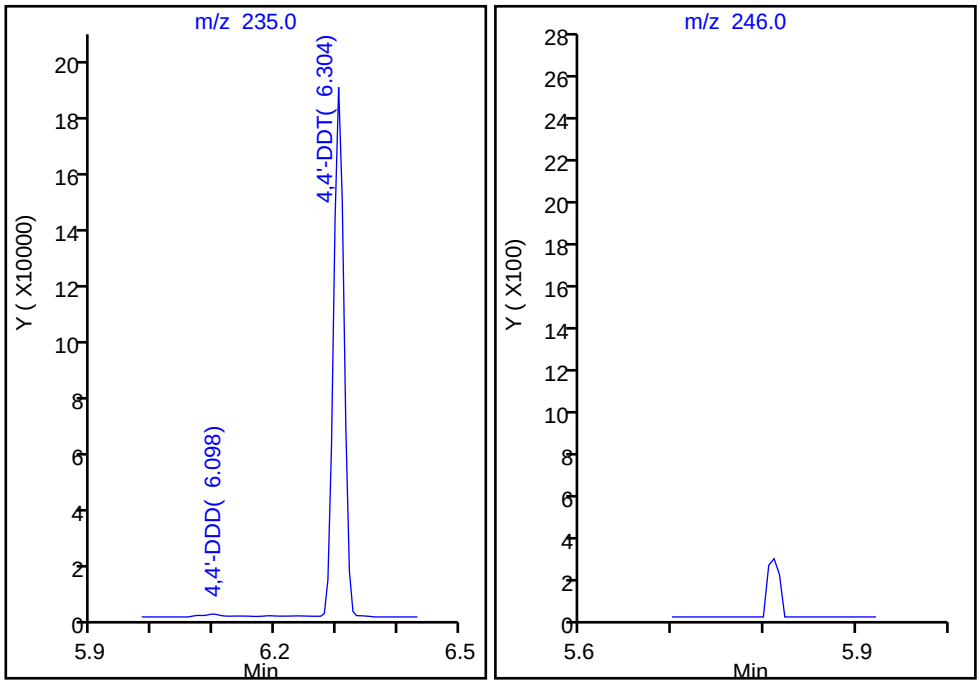
124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

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

124 4,4'-DDT, Area = 219534
123 4,4'-DDD, Area = 1251
122 4,4'-DDE, Area = 255

%Breakdown: 0.68%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

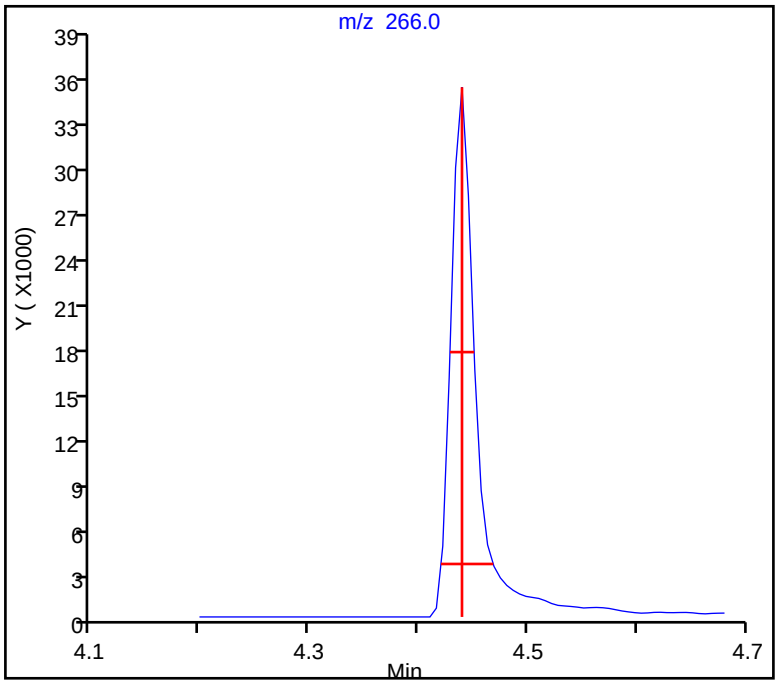
Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25962.d
Injection Date: 02-Dec-2019 20:47:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

23 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

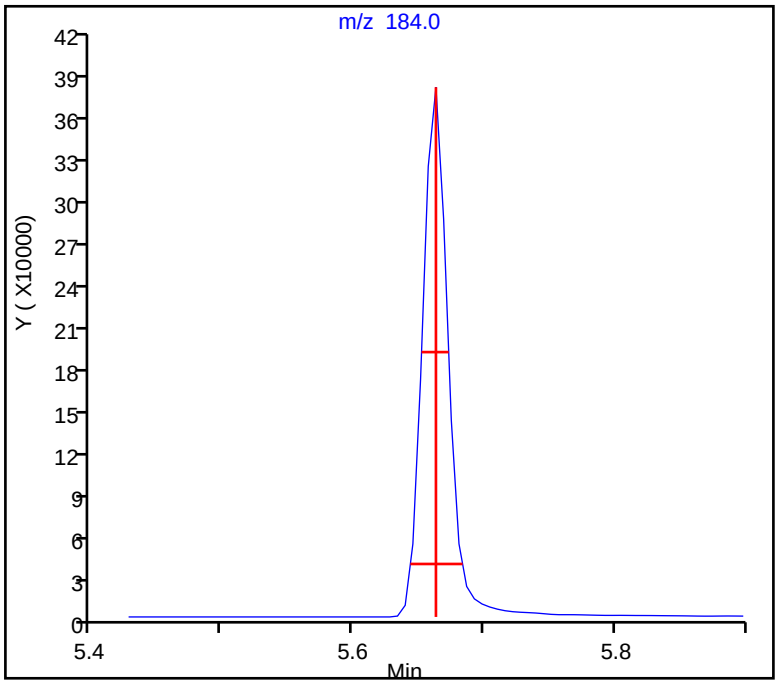
Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25962.d
Injection Date: 02-Dec-2019 20:47:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

47 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.020 (min.)
Front Width = 0.020 (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.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-659546/1-A

Matrix: Solid Lab File ID: L25966.d

Analysis Method: 8270D Date Collected:

Extract. Method: 3546 Date Extracted: 12/02/2019 16:10

Sample wt/vol: 15.00(g) Date Analyzed: 12/02/2019 22:31

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.: 659590 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	24	U	330	24
208-96-8	Acenaphthylene	3.4	U	330	3.4
120-12-7	Anthracene	10	U	330	10
56-55-3	Benzo[a]anthracene	12	U	33	12
50-32-8	Benzo[a]pyrene	8.8	U	33	8.8
205-99-2	Benzo[b]fluoranthene	8.6	U	33	8.6
191-24-2	Benzo[g,h,i]perylene	9.8	U	330	9.8
207-08-9	Benzo[k]fluoranthene	6.5	U	33	6.5
218-01-9	Chrysene	5.6	U	330	5.6
53-70-3	Dibenz(a,h)anthracene	14	U	33	14
206-44-0	Fluoranthene	12	U	330	12
86-73-7	Fluorene	4.5	U	330	4.5
193-39-5	Indeno[1,2,3-cd]pyrene	13	U	33	13
91-20-3	Naphthalene	5.7	U	330	5.7
85-01-8	Phenanthrene	5.8	U	330	5.8
129-00-0	Pyrene	8.2	U	330	8.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	74		29-107
4165-60-0	Nitrobenzene-d5 (Surr)	78		25-113
1718-51-0	Terphenyl-d14 (Surr)	92		27-123

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25966.d
Lims ID: MB 460-659546/1-A
Client ID:
Sample Type: MB
Inject. Date: 02-Dec-2019 22:31:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102169-005
Operator ID: Instrument ID: CBNAMS12

Method: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 03-Dec-2019 15:22:35 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: khlungprakhons Date: 03-Dec-2019 15:23:13

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	3.098	3.093	0.005	92	184738	50.0	37.2	
$ 6 Phenol-d5	99	4.004	4.004	0.000	0	224907	50.0	36.7	
* 13 1,4-Dichlorobenzene-d4	152	4.345	4.345	0.000	97	145416	40.0	40.0	
$ 26 Nitrobenzene-d5	82	4.887	4.893	-0.005	95	207191	50.0	38.9	
* 36 Naphthalene-d8	136	5.586	5.586	0.000	99	573532	40.0	40.0	
$ 50 2-Fluorobiphenyl	172	6.645	6.645	0.000	98	434626	50.0	36.9	
* 63 Acenaphthene-d10	164	7.298	7.298	0.000	97	309427	40.0	40.0	
$ 79 2,4,6-Tribromophenol	330	8.063	8.069	-0.006	94	66740	50.0	39.1	
* 85 Phenanthrene-d10	188	8.727	8.727	0.000	99	586810	40.0	40.0	
$ 94 Terphenyl-d14	244	10.269	10.269	0.000	99	480676	50.0	46.2	
* 100 Chrysene-d12	240	11.421	11.421	0.000	99	438480	40.0	40.0	
* 107 Perylene-d12	264	13.304	13.304	0.000	98	422085	40.0	40.0	

Reagents:

SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

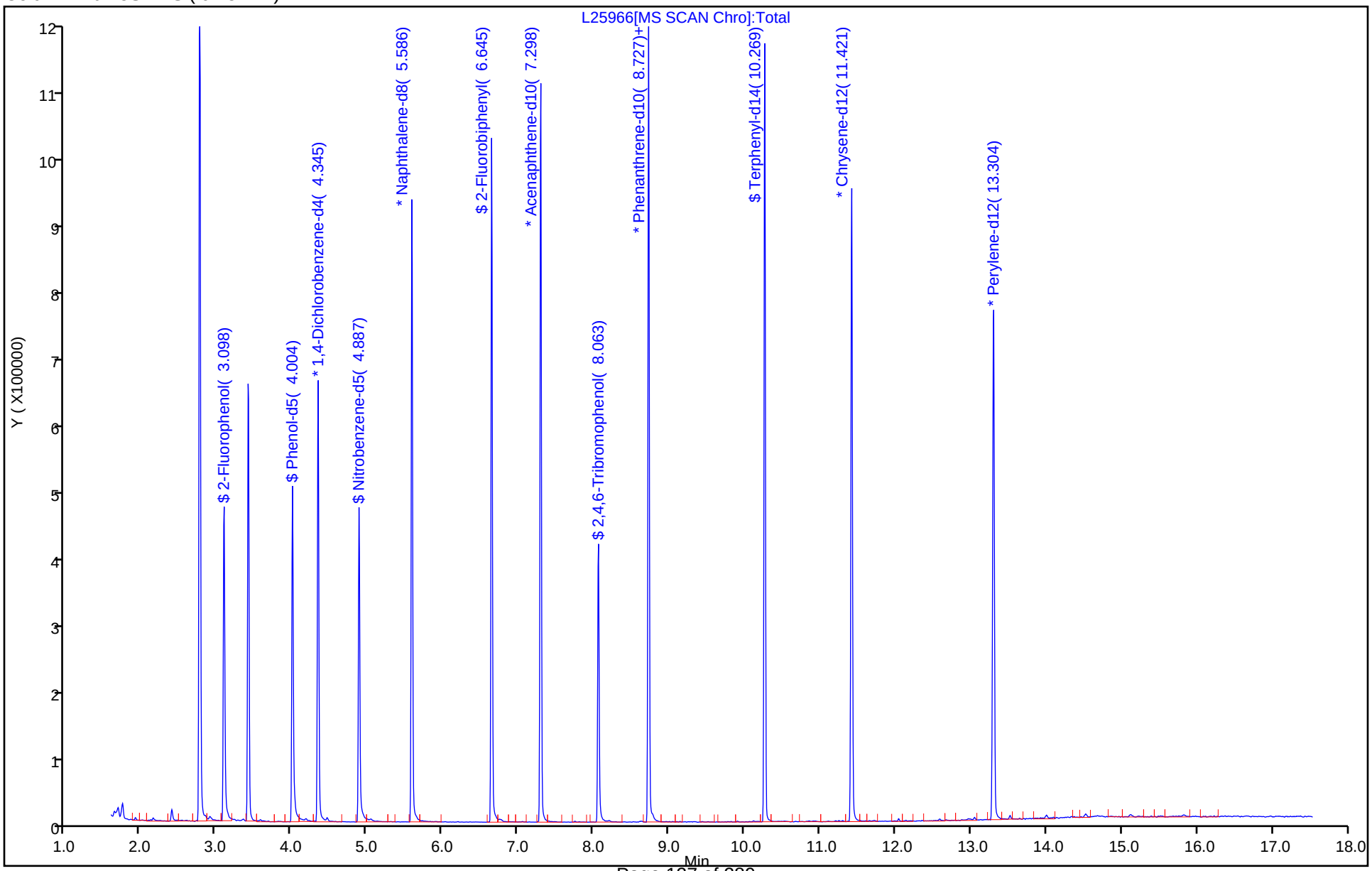
Report Date: 03-Dec-2019 15:23:14 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25966.d

Injection Date:	02-Dec-2019 22:31:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	MB 460-659546/1-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



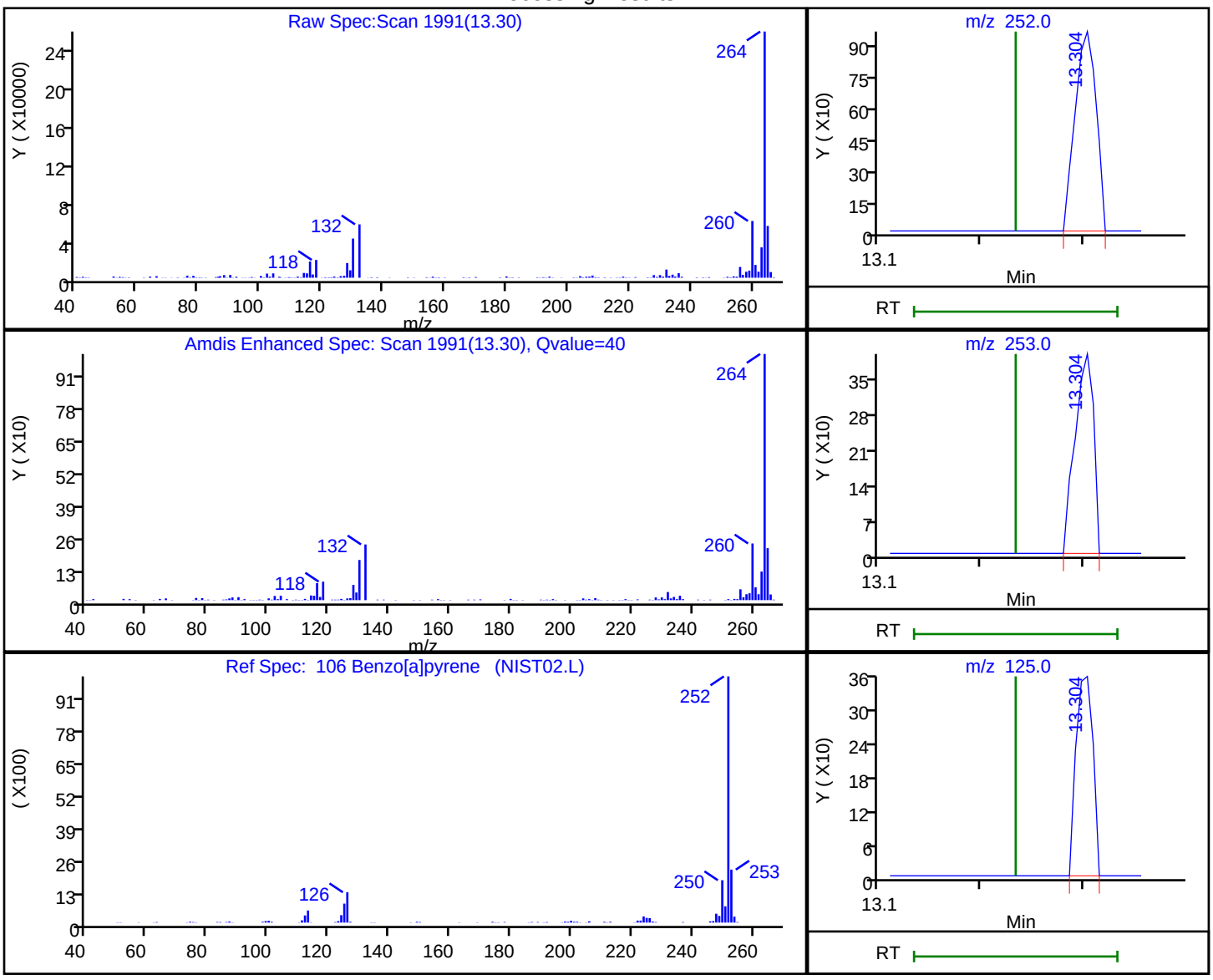
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25966.d				
Injection Date:	02-Dec-2019 22:31:30	Instrument ID:	CBNAMS12		
Lims ID:	MB 460-659546/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.30	252.00	1390	0.115647
13.30	253.00	503	
13.30	125.00	411	

Reviewer: eisam, 02-Dec-2019 22:56:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-659546/2-A

Matrix: Solid Lab File ID: L25967.d

Analysis Method: 8270D Date Collected:

Extract. Method: 3546 Date Extracted: 12/02/2019 16:10

Sample wt/vol: 15.00(g) Date Analyzed: 12/02/2019 22:54

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.: 659590 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	2310		330	24
208-96-8	Acenaphthylene	2830		330	3.4
120-12-7	Anthracene	3030		330	10
56-55-3	Benzo[a]anthracene	2940		33	12
50-32-8	Benzo[a]pyrene	2790		33	8.8
205-99-2	Benzo[b]fluoranthene	3010		33	8.6
191-24-2	Benzo[g,h,i]perylene	2620		330	9.8
207-08-9	Benzo[k]fluoranthene	3170		33	6.5
218-01-9	Chrysene	3080		330	5.6
53-70-3	Dibenz(a,h)anthracene	2810		33	14
206-44-0	Fluoranthene	3000		330	12
86-73-7	Fluorene	2830		330	4.5
193-39-5	Indeno[1,2,3-cd]pyrene	3080		33	13
91-20-3	Naphthalene	2760		330	5.7
85-01-8	Phenanthrene	2940		330	5.8
129-00-0	Pyrene	3160		330	8.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	73		29-107
4165-60-0	Nitrobenzene-d5 (Surr)	76		25-113
1718-51-0	Terphenyl-d14 (Surr)	89		27-123

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25967.d
Lims ID: LCS 460-659546/2-A
Client ID:
Sample Type: LCS
Inject. Date: 02-Dec-2019 22:54:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102169-006
Operator ID: Instrument ID: CBNAMS12

Method: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 03-Dec-2019 07:44:19 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: eisam Date: 03-Dec-2019 00:56:25

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	1.681	1.675	0.006	93	27415	50.0	19.3	
2 N-Nitrosodimethylamine	74	1.916	1.916	0.000	76	87593	50.0	32.7	
3 Pyridine	79	1.946	1.940	0.006	73	213138	100.0	52.8	
$ 4 2-Fluorophenol	112	3.099	3.093	0.006	92	155468	50.0	35.6	
$ 6 Phenol-d5	99	4.010	4.004	0.006	0	206299	50.0	38.4	
7 Phenol	94	4.022	4.022	0.000	97	239654	50.0	41.4	
8 Aniline	93	4.028	4.028	0.000	96	189390	50.0	27.7	
9 Bis(2-chloroethyl)ether	93	4.087	4.087	0.000	95	175681	50.0	39.6	
10 2-Chlorophenol	128	4.146	4.146	0.000	92	182246	50.0	40.5	
11 n-Decane	43	4.193	4.193	0.000	95	219695	50.0	35.8	
12 1,3-Dichlorobenzene	146	4.293	4.293	0.000	94	175632	50.0	36.7	
* 13 1,4-Dichlorobenzene-d4	152	4.346	4.345	0.001	97	127765	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.363	4.363	0.000	94	176073	50.0	36.6	
15 Benzyl alcohol	108	4.487	4.487	0.000	91	104654	50.0	35.7	
16 1,2-Dichlorobenzene	146	4.510	4.510	0.000	95	175508	50.0	37.8	
17 2-Methylphenol	108	4.610	4.610	0.000	85	168445	50.0	42.1	
18 2,2'-oxybis[1-chloropropan	45	4.616	4.616	0.000	93	380577	50.0	42.8	
130 N-Methylaniline	106	4.734	4.734	0.000	0	268874	50.0	43.9	
22 Acetophenone	105	4.740	4.745	-0.005	88	260721	50.0	41.6	
21 N-Nitrosodi-n-propylamine	70	4.746	4.745	0.001	94	130585	50.0	42.2	
20 3 & 4 Methylphenol	108	4.763	4.763	0.000	80	173377	50.0	38.9	
19 4-Methylphenol	108	4.763	4.763	0.000	87	173377	50.0	38.9	
25 Hexachloroethane	117	4.840	4.840	0.000	96	73120	50.0	37.9	
$ 26 Nitrobenzene-d5	82	4.893	4.893	0.001	96	176712	50.0	37.8	
27 Nitrobenzene	123	4.910	4.910	0.000	86	85247	50.0	42.9	
28 n,n'-Dimethylaniline	120	4.910	4.910	0.000	84	232638	50.0	36.5	
29 Isophorone	82	5.140	5.140	0.000	99	349815	50.0	42.0	
30 2-Nitrophenol	139	5.222	5.222	0.000	86	97520	50.0	41.2	
31 2,4-Dimethylphenol	122	5.281	5.281	0.000	88	151330	50.0	40.0	
32 Bis(2-chloroethoxy)methane	93	5.357	5.357	0.000	95	218453	50.0	40.7	
33 Benzoic acid	122	5.404	5.404	0.000	91	67552	50.0	26.7	
34 2,4-Dichlorophenol	162	5.469	5.469	0.000	94	155264	50.0	45.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.540	5.540	0.000	95	156776	50.0	41.0	
* 36 Naphthalene-d8	136	5.593	5.592	0.001	99	503214	40.0	40.0	
37 Naphthalene	128	5.610	5.610	0.000	98	502129	50.0	41.4	
38 4-Chloroaniline	127	5.675	5.675	0.000	95	82109	50.0	15.5	
39 Hexachlorobutadiene	225	5.740	5.740	0.000	96	93136	50.0	41.8	
41 4-Chloro-3-methylphenol	107	6.169	6.163	0.006	98	173013	50.0	46.7	
42 2-Methylnaphthalene	142	6.287	6.287	0.000	84	348085	50.0	42.1	
43 1-Methylnaphthalene	142	6.381	6.381	0.000	92	330480	50.0	43.5	
44 Hexachlorocyclopentadiene	237	6.445	6.451	-0.006	96	61877	50.0	23.6	
45 1,2,4,5-Tetrachlorobenzene	216	6.457	6.457	0.000	97	162488	50.0	40.9	
46 2-tertbutyl-4-methylphenol	149	6.498	6.498	0.000	88	228886	50.0	43.5	
48 2,4,6-Trichlorophenol	196	6.575	6.575	0.000	88	106289	50.0	38.8	
49 2,4,5-Trichlorophenol	196	6.616	6.616	0.000	97	128311	50.0	42.9	
$ 50 2-Fluorobiphenyl	172	6.645	6.645	0.000	98	362754	50.0	36.7	
51 1,1'-Biphenyl	154	6.745	6.745	0.000	97	430575	50.0	41.7	
52 2-Chloronaphthalene	162	6.763	6.763	0.000	97	328544	50.0	40.9	
53 Phenyl ether	170	6.845	6.845	0.000	87	218899	50.0	41.4	
54 2-Nitroaniline	65	6.869	6.869	0.000	96	145658	50.0	45.8	
55 1,3-Dimethylnaphthalene	156	6.975	6.975	0.000	91	251874	50.0	39.4	
58 Dimethyl phthalate	163	7.045	7.045	0.000	98	399308	50.0	42.5	
59 Coumarin	146	7.069	7.069	0.000	79	130253	50.0	42.5	a
60 2,6-Dinitrotoluene	165	7.104	7.104	0.000	93	91346	50.0	47.7	
61 Acenaphthylene	152	7.163	7.163	0.000	98	548646	50.0	42.5	
62 3-Nitroaniline	138	7.269	7.269	0.000	92	56139	50.0	22.5	
* 63 Acenaphthene-d10	164	7.298	7.298	0.000	95	259496	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.322	7.328	-0.006	98	270933	50.0	42.7	
65 Acenaphthene	154	7.328	7.328	0.000	96	308817	50.0	34.6	
66 2,4-Dinitrophenol	184	7.381	7.381	0.000	91	101130	100.0	73.5	
67 4-Nitrophenol	65	7.463	7.463	0.000	95	164016	100.0	80.0	
69 Dibenzofuran	168	7.498	7.498	0.000	96	485936	50.0	41.1	
68 2,4-Dinitrotoluene	165	7.498	7.498	0.000	84	121476	50.0	46.2	
70 2,3,4,6-Tetrachlorophenol	232	7.628	7.628	0.000	91	91431	50.0	38.3	
71 Diethyl phthalate	149	7.728	7.728	0.000	97	439780	50.0	42.6	
73 4-Chlorophenyl phenyl ethe	204	7.828	7.828	0.000	76	183620	50.0	42.7	
74 Fluorene	166	7.828	7.828	0.000	95	389607	50.0	42.4	
75 4-Nitroaniline	138	7.863	7.869	-0.006	94	91251	50.0	35.5	
76 4,6-Dinitro-2-methylphenol	198	7.904	7.904	0.000	77	144208	100.0	90.0	
77 N-Nitrosodiphenylamine	169	7.945	7.945	0.000	100	280358	50.0	42.6	
78 1,2-Diphenylhydrazine	77	7.981	7.981	0.000	100	425927	50.0	43.8	
$ 79 2,4,6-Tribromophenol	330	8.063	8.069	-0.006	95	57572	50.0	40.2	
80 4-Bromophenyl phenyl ether	248	8.298	8.298	0.000	84	104516	50.0	42.9	
81 Hexachlorobenzene	284	8.369	8.369	0.000	98	132097	50.0	45.3	
83 Pentachlorophenol	266	8.563	8.569	-0.006	93	116459	100.0	65.0	
84 Pentachloronitrobenzene	237	8.575	8.575	0.000	87	55095	50.0	44.2	
72 n-Octadecane	57	8.639	8.639	0.000	91	373696	50.0	46.6	
* 85 Phenanthrene-d10	188	8.728	8.733	-0.005	99	488461	40.0	40.0	
86 Phenanthrene	178	8.751	8.757	-0.006	98	572862	50.0	44.2	
87 Anthracene	178	8.804	8.804	0.000	98	600196	50.0	45.5	
88 Carbazole	167	8.963	8.963	0.000	96	572358	50.0	44.8	
89 Di-n-butyl phthalate	149	9.298	9.298	0.000	100	766776	50.0	45.3	
90 Fluoranthene	202	9.898	9.898	0.000	98	669988	50.0	45.0	
91 Benzidine	184	10.028	10.033	0.001	99	146861	50.0	15.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.110	10.116	-0.006	98	686911	50.0	47.5	
93 Bisphenol-A	213	10.181	10.180	0.000	98	140122	25.0	23.1	
$ 94 Terphenyl-d14	244	10.269	10.269	0.000	99	398197	50.0	44.3	
95 Butyl benzyl phthalate	149	10.780	10.780	0.000	96	336618	50.0	48.8	
97 Carbamazepine	193	10.898	10.904	-0.006	93	270201	50.0	53.5	
98 3,3'-Dichlorobenzidine	252	11.386	11.392	-0.006	99	92855	50.0	19.5	
99 Benzo[a]anthracene	228	11.410	11.416	-0.006	99	560154	50.0	44.1	
* 100 Chrysene-d12	240	11.422	11.427	-0.005	99	379121	40.0	40.0	
101 Chrysene	228	11.457	11.457	0.000	99	548080	50.0	46.2	
102 Bis(2-ethylhexyl) phthalat	149	11.457	11.463	-0.006	89	477707	50.0	48.0	
103 Di-n-octyl phthalate	149	12.298	12.304	-0.006	97	794399	50.0	51.0	
104 Benzo[b]fluoranthene	252	12.792	12.798	-0.006	99	510661	50.0	45.2	
105 Benzo[k]fluoranthene	252	12.827	12.833	-0.006	99	559480	50.0	47.6	
106 Benzo[a]pyrene	252	13.227	13.233	-0.006	97	456802	50.0	41.8	
* 107 Perylene-d12	264	13.304	13.310	-0.006	98	383326	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.798	14.810	-0.012	98	449566	50.0	46.2	M
109 Dibenz(a,h)anthracene	278	14.827	14.833	-0.006	94	407000	50.0	42.1	
110 Benzo[g,h,i]perylene	276	15.221	15.233	-0.012	96	419406	50.0	39.3	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 03-Dec-2019 07:45:05 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25967.d

Injection Date: 02-Dec-2019 22:54:30 Instrument ID: CBNAMS12 Operator ID:

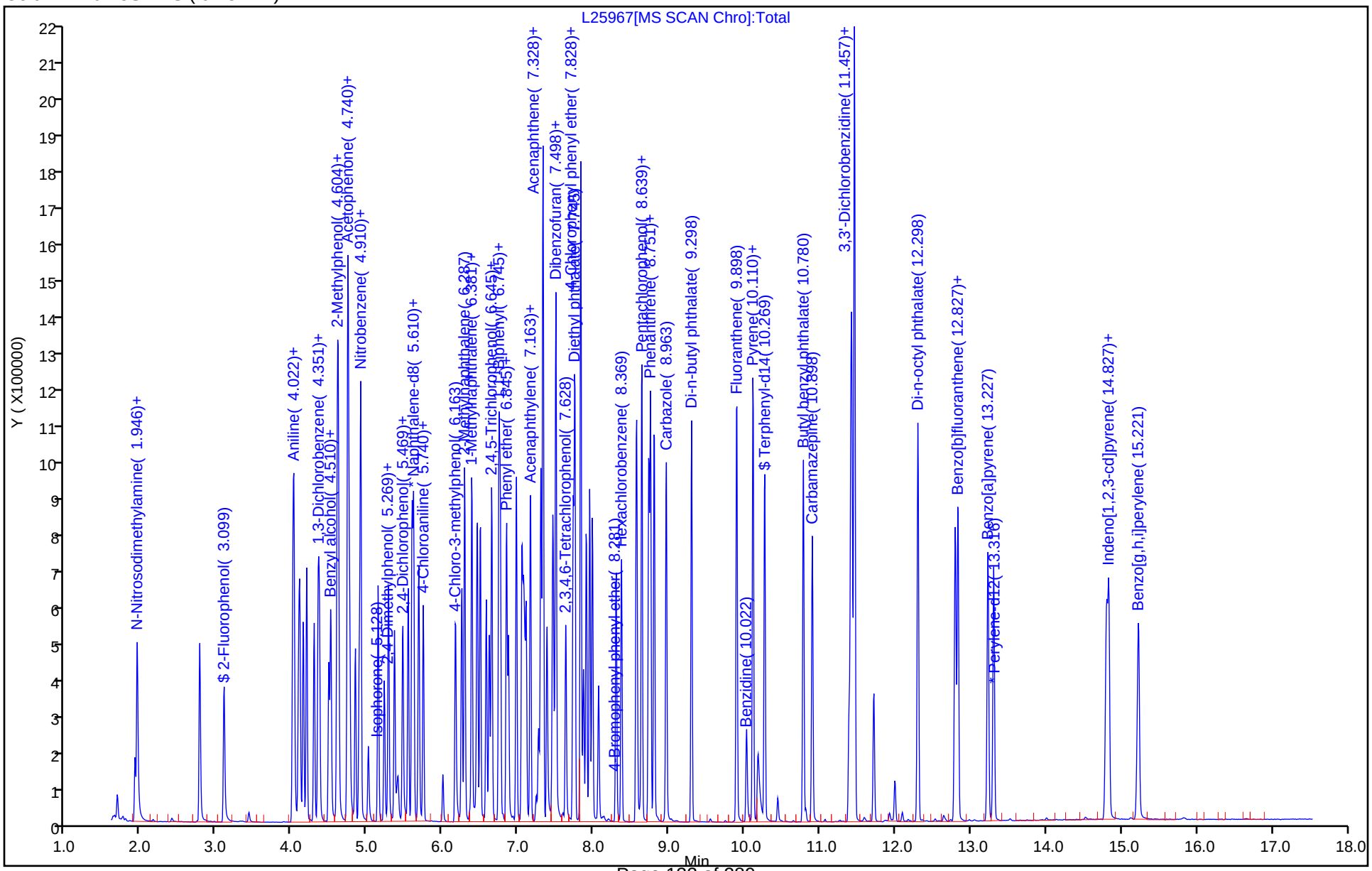
Lims ID: LCS 460-659546/2-A Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270_12R_9 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

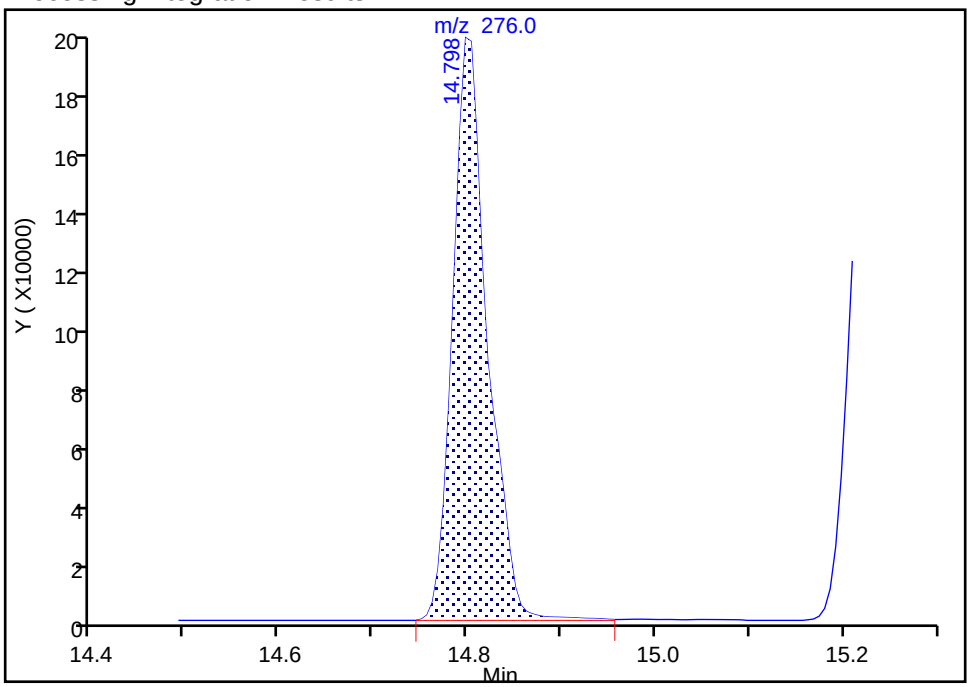
Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25967.d				
Injection Date:	02-Dec-2019 22:54:30	Instrument ID:	CBNAMS12		
Lims ID:	LCS 460-659546/2-A				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

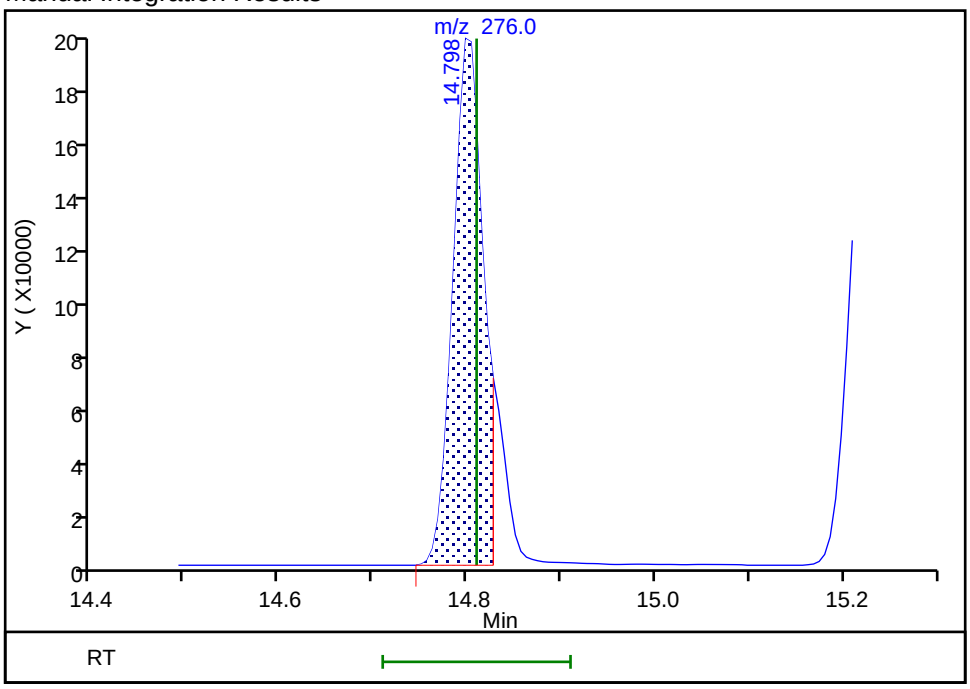
Processing Integration Results

RT: 14.80
Area: 505843
Amount: 51.991226
Amount Units: ug/ml



Manual Integration Results

RT: 14.80
Area: 449566
Amount: 46.207000
Amount Units: ug/ml



Reviewer: khlungprakhons, 03-Dec-2019 15:24:01

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-659546/3-A

Matrix: Solid Lab File ID: L25968.d

Analysis Method: 8270D Date Collected:

Extract. Method: 3546 Date Extracted: 12/02/2019 16:10

Sample wt/vol: 15.00(g) Date Analyzed: 12/02/2019 23:27

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.: 659590 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	2310		330	24
208-96-8	Acenaphthylene	2840		330	3.4
120-12-7	Anthracene	2990		330	10
56-55-3	Benzo[a]anthracene	2910		33	12
50-32-8	Benzo[a]pyrene	2770		33	8.8
205-99-2	Benzo[b]fluoranthene	3150		33	8.6
191-24-2	Benzo[g,h,i]perylene	2660		330	9.8
207-08-9	Benzo[k]fluoranthene	2990		33	6.5
218-01-9	Chrysene	3090		330	5.6
53-70-3	Dibenz(a,h)anthracene	2820		33	14
206-44-0	Fluoranthene	2980		330	12
86-73-7	Fluorene	2850		330	4.5
193-39-5	Indeno[1,2,3-cd]pyrene	3050		33	13
91-20-3	Naphthalene	2700		330	5.7
85-01-8	Phenanthrene	2920		330	5.8
129-00-0	Pyrene	3170		330	8.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	74		29-107
4165-60-0	Nitrobenzene-d5 (Surr)	76		25-113
1718-51-0	Terphenyl-d14 (Surr)	88		27-123

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25968.d
Lims ID: LCSD 460-659546/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 02-Dec-2019 23:27:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102169-007
Operator ID: Instrument ID: CBNAMS12

Method: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\8270_12R_9.m
Limit Group: SV 8270D ICAL
Last Update: 03-Dec-2019 07:44:19 Calib Date: 22-Oct-2019 15:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS12\20191022-99802.b\L24936.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0329

First Level Reviewer: khlungprakhons Date: 03-Dec-2019 15:25:49

	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	1.681	1.675	0.006	93	28962	50.0	19.9	
	2 N-Nitrosodimethylamine	74	1.916	1.916	0.000	77	90823	50.0	33.1	
	3 Pyridine	79	1.946	1.940	0.006	74	212512	100.0	51.3	
$	4 2-Fluorophenol	112	3.093	3.093	0.000	92	164317	50.0	36.7	
$	6 Phenol-d5	99	4.004	4.004	0.000	0	215788	50.0	39.2	
	7 Phenol	94	4.022	4.022	0.000	95	248137	50.0	41.9	
	8 Aniline	93	4.028	4.028	0.000	97	192839	50.0	27.6	
	9 Bis(2-chloroethyl)ether	93	4.087	4.087	0.000	92	177863	50.0	39.2	
	10 2-Chlorophenol	128	4.145	4.146	-0.001	93	188534	50.0	40.9	
	11 n-Decane	43	4.193	4.193	0.000	95	222912	50.0	35.5	
	12 1,3-Dichlorobenzene	146	4.293	4.293	0.000	94	181235	50.0	37.0	
*	13 1,4-Dichlorobenzene-d4	152	4.345	4.345	0.000	96	130879	40.0	40.0	
	14 1,4-Dichlorobenzene	146	4.363	4.363	0.000	94	180081	50.0	36.5	
	15 Benzyl alcohol	108	4.487	4.487	0.000	91	107369	50.0	35.8	
	16 1,2-Dichlorobenzene	146	4.510	4.510	0.000	95	186386	50.0	39.2	
	17 2-Methylphenol	108	4.610	4.610	0.000	87	173587	50.0	42.4	
	18 2,2'-oxybis[1-chloropropan	45	4.616	4.616	0.000	93	389506	50.0	42.8	
	130 N-Methylaniline	106	4.734	4.734	0.000	0	273307	50.0	43.5	
	22 Acetophenone	105	4.740	4.745	-0.005	89	263913	50.0	41.1	
	21 N-Nitrosodi-n-propylamine	70	4.745	4.745	0.000	95	134031	50.0	42.3	
	20 3 & 4 Methylphenol	108	4.763	4.763	0.000	91	178026	50.0	38.9	
	19 4-Methylphenol	108	4.763	4.763	0.000	96	178026	50.0	38.9	
	25 Hexachloroethane	117	4.840	4.840	0.000	95	75925	50.0	38.4	
$	26 Nitrobenzene-d5	82	4.892	4.893	0.000	93	183469	50.0	38.2	
	27 Nitrobenzene	123	4.910	4.910	0.000	86	87527	50.0	43.0	
	28 n,n'-Dimethylaniline	120	4.910	4.910	0.000	80	242596	50.0	37.1	
	29 Isophorone	82	5.140	5.140	0.000	98	359319	50.0	42.0	
	30 2-Nitrophenol	139	5.222	5.222	0.000	87	104162	50.0	42.8	
	31 2,4-Dimethylphenol	122	5.281	5.281	0.000	88	155437	50.0	40.0	
	32 Bis(2-chloroethoxy)methane	93	5.357	5.357	0.000	95	223749	50.0	40.6	
	33 Benzoic acid	122	5.404	5.404	0.000	94	67872	50.0	26.2	
	34 2,4-Dichlorophenol	162	5.469	5.469	0.000	94	156951	50.0	44.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.540	5.540	0.000	95	161592	50.0	41.1	
* 36 Naphthalene-d8	136	5.592	5.592	0.000	99	517015	40.0	40.0	
37 Naphthalene	128	5.610	5.610	0.000	98	505002	50.0	40.6	
38 4-Chloroaniline	127	5.675	5.675	0.000	95	73726	50.0	13.5	
39 Hexachlorobutadiene	225	5.739	5.740	-0.001	95	93711	50.0	40.9	
41 4-Chloro-3-methylphenol	107	6.169	6.163	0.006	98	175207	50.0	46.0	
42 2-Methylnaphthalene	142	6.287	6.287	0.000	84	354232	50.0	41.7	
43 1-Methylnaphthalene	142	6.387	6.381	0.005	92	336093	50.0	43.1	
44 Hexachlorocyclopentadiene	237	6.451	6.451	0.000	97	65516	50.0	24.8	
45 1,2,4,5-Tetrachlorobenzene	216	6.457	6.457	0.000	97	165074	50.0	41.2	
46 2-tertbutyl-4-methylphenol	149	6.498	6.498	0.000	89	229592	50.0	42.4	
48 2,4,6-Trichlorophenol	196	6.575	6.575	0.000	88	111478	50.0	40.4	
49 2,4,5-Trichlorophenol	196	6.616	6.616	0.000	97	123897	50.0	41.1	
$ 50 2-Fluorobiphenyl	172	6.645	6.645	0.000	97	367474	50.0	36.9	
51 1,1'-Biphenyl	154	6.745	6.745	0.000	97	434416	50.0	41.7	
52 2-Chloronaphthalene	162	6.763	6.763	0.000	98	336932	50.0	41.6	
53 Phenyl ether	170	6.845	6.845	0.000	88	221405	50.0	41.5	
54 2-Nitroaniline	65	6.869	6.869	0.000	96	147484	50.0	46.0	
55 1,3-Dimethylnaphthalene	156	6.975	6.975	0.000	90	255570	50.0	39.6	
58 Dimethyl phthalate	163	7.045	7.045	0.000	98	405063	50.0	42.8	
59 Coumarin	146	7.069	7.069	0.000	79	131221	50.0	41.7	a
60 2,6-Dinitrotoluene	165	7.104	7.104	0.000	93	91846	50.0	47.6	
61 Acenaphthylene	152	7.163	7.163	0.000	97	554223	50.0	42.6	
62 3-Nitroaniline	138	7.269	7.269	0.000	92	55020	50.0	21.9	
* 63 Acenaphthene-d10	164	7.298	7.298	0.000	95	261439	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.328	7.328	0.000	98	275914	50.0	43.1	
65 Acenaphthene	154	7.334	7.328	0.006	96	311280	50.0	34.7	
66 2,4-Dinitrophenol	184	7.381	7.381	0.000	91	111865	100.0	80.4	
67 4-Nitrophenol	65	7.463	7.463	0.000	94	165873	100.0	80.3	
69 Dibenzofuran	168	7.498	7.498	0.000	98	493334	50.0	41.4	
68 2,4-Dinitrotoluene	165	7.504	7.498	0.006	85	121585	50.0	45.9	
70 2,3,4,6-Tetrachlorophenol	232	7.633	7.628	0.005	91	93506	50.0	38.9	
71 Diethyl phthalate	149	7.728	7.728	0.000	97	440457	50.0	42.4	
73 4-Chlorophenyl phenyl ethe	204	7.828	7.828	0.000	76	183211	50.0	42.3	
74 Fluorene	166	7.828	7.828	0.000	95	395083	50.0	42.7	
75 4-Nitroaniline	138	7.869	7.869	0.000	93	89779	50.0	34.6	
76 4,6-Dinitro-2-methylphenol	198	7.904	7.904	0.000	77	147820	100.0	91.1	
77 N-Nitrosodiphenylamine	169	7.945	7.945	0.000	99	284128	50.0	42.7	
78 1,2-Diphenylhydrazine	77	7.981	7.981	0.000	100	430540	50.0	43.8	
$ 79 2,4,6-Tribromophenol	330	8.069	8.069	0.000	94	56851	50.0	39.4	
80 4-Bromophenyl phenyl ether	248	8.298	8.298	0.000	84	105766	50.0	42.9	
81 Hexachlorobenzene	284	8.369	8.369	0.000	98	132010	50.0	44.7	
83 Pentachlorophenol	266	8.569	8.569	0.000	93	121700	100.0	67.1	
84 Pentachloronitrobenzene	237	8.575	8.575	0.000	85	55698	50.0	44.2	
72 n-Octadecane	57	8.639	8.639	0.000	90	378016	50.0	46.6	
* 85 Phenanthrene-d10	188	8.733	8.733	0.000	99	494301	40.0	40.0	
86 Phenanthrene	178	8.757	8.757	0.000	98	574368	50.0	43.8	
87 Anthracene	178	8.804	8.804	0.000	98	600155	50.0	44.9	
88 Carbazole	167	8.963	8.963	0.000	96	562920	50.0	43.6	
89 Di-n-butyl phthalate	149	9.298	9.298	0.000	100	755344	50.0	44.1	
90 Fluoranthene	202	9.898	9.898	0.000	98	672838	50.0	44.7	
91 Benzidine	184	10.027	10.033	0.000	100	141933	50.0	14.5	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.116	10.116	0.000	98	681538	50.0	47.6	
93 Bisphenol-A	213	10.180	10.180	0.000	98	140166	25.0	23.4	
$ 94 Terphenyl-d14	244	10.269	10.269	0.000	99	393478	50.0	44.2	
95 Butyl benzyl phthalate	149	10.780	10.780	0.000	96	332980	50.0	48.8	
97 Carbamazepine	193	10.904	10.904	0.000	92	259641	50.0	51.9	
98 3,3'-Dichlorobenzidine	252	11.386	11.392	-0.006	99	93191	50.0	19.8	
99 Benzo[a]anthracene	228	11.416	11.416	0.000	99	549187	50.0	43.7	
* 100 Chrysene-d12	240	11.427	11.427	0.000	99	375259	40.0	40.0	
101 Chrysene	228	11.457	11.457	0.000	99	544965	50.0	46.4	
102 Bis(2-ethylhexyl) phthalat	149	11.463	11.463	0.000	89	469878	50.0	47.7	
103 Di-n-octyl phthalate	149	12.304	12.304	0.000	97	782914	50.0	51.2	
104 Benzo[b]fluoranthene	252	12.798	12.798	0.000	99	524693	50.0	47.3	
105 Benzo[k]fluoranthene	252	12.833	12.833	0.000	99	517424	50.0	44.8	
106 Benzo[a]pyrene	252	13.233	13.233	0.000	97	445921	50.0	41.6	
* 107 Perylene-d12	264	13.310	13.310	0.000	98	376566	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.804	14.810	-0.006	98	436610	50.0	45.7	M
109 Dibenz(a,h)anthracene	278	14.833	14.833	0.000	94	400865	50.0	42.2	
110 Benzo[g,h,i]perylene	276	15.227	15.233	-0.006	96	417716	50.0	39.9	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_ISTD_00172 Amount Added: 20.00 Units: uL Run Reagent

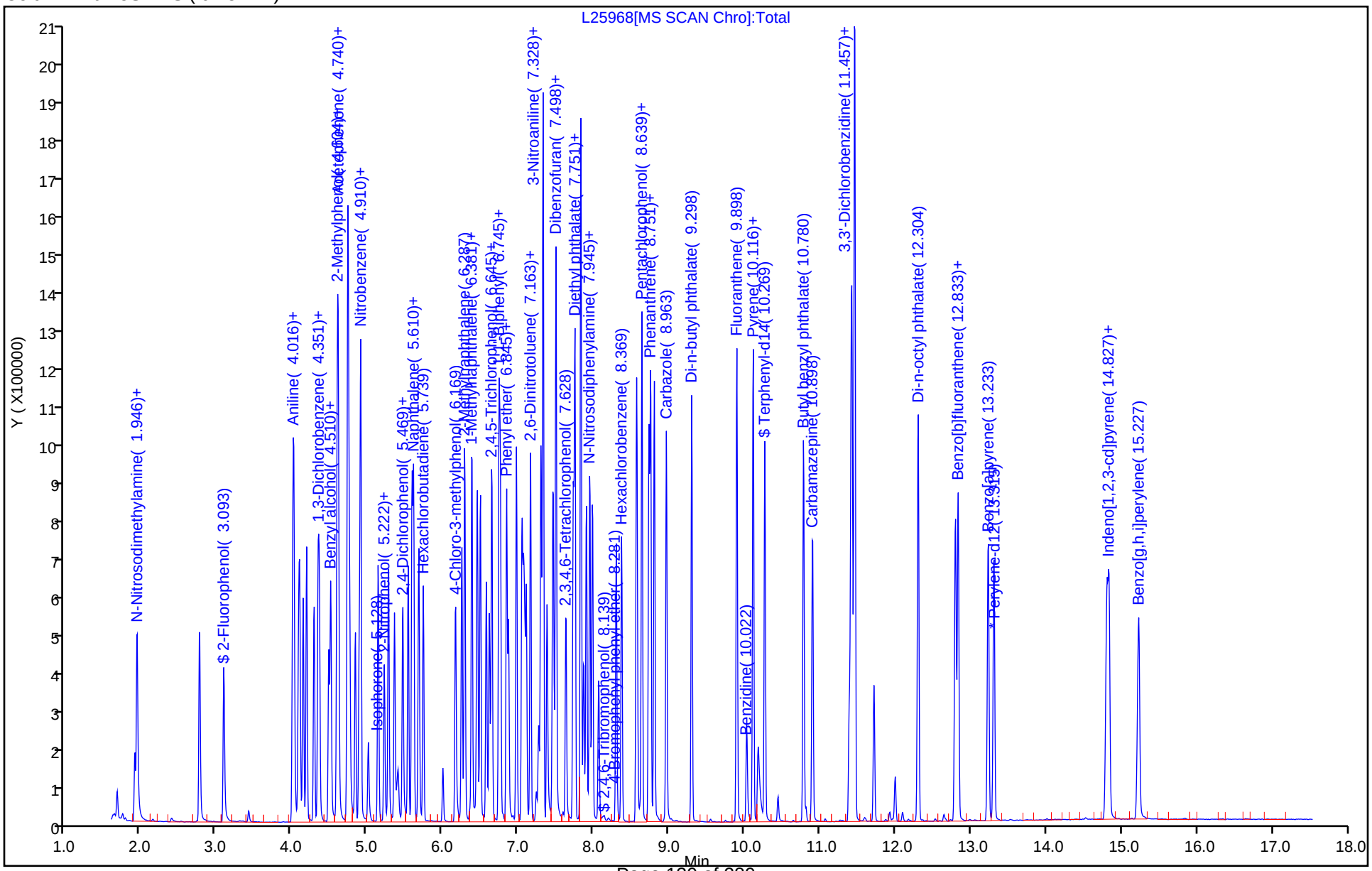
Report Date: 03-Dec-2019 07:49:38 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25968.d

Injection Date:	02-Dec-2019 23:27:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	LCSD 460-659546/3-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison

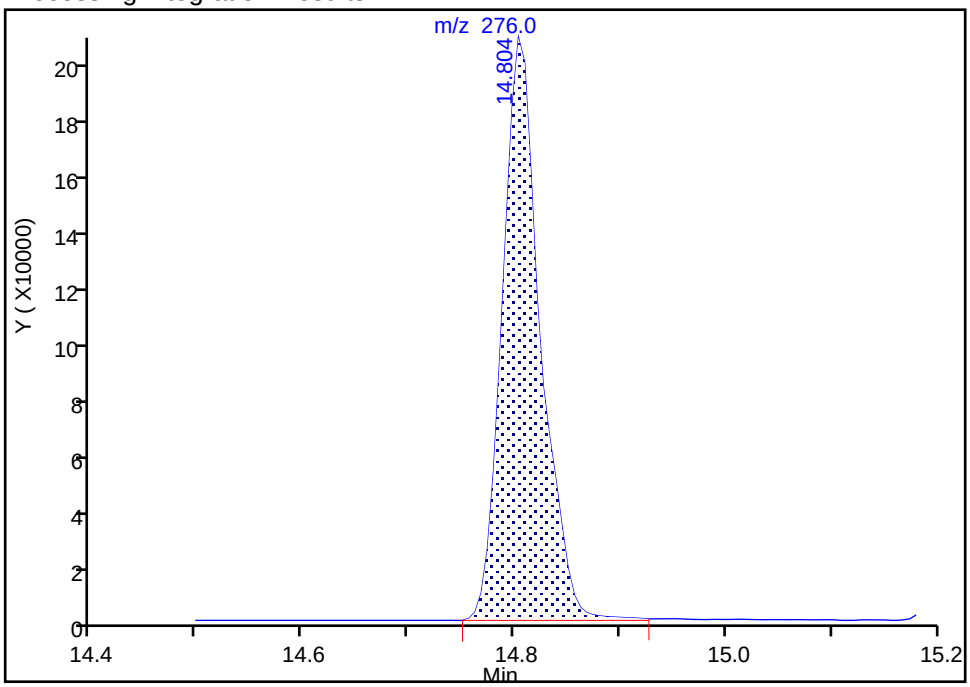
Data File:	\\chromna\Edison\ChromData\CBNAMS12\20191202-102169.b\L25968.d				
Injection Date:	02-Dec-2019 23:27:30	Instrument ID:	CBNAMS12		
Lims ID:	LCSD 460-659546/3-A				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

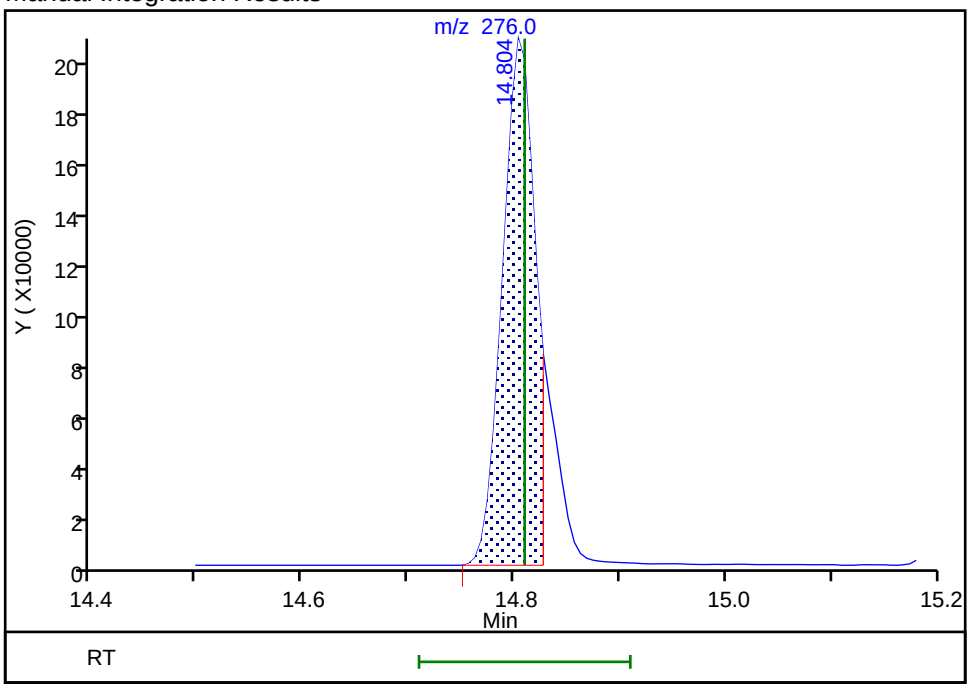
Processing Integration Results

RT: 14.80
Area: 503789
Amount: 52.709654
Amount Units: ug/ml



Manual Integration Results

RT: 14.80
Area: 436610
Amount: 45.680954
Amount Units: ug/ml



Reviewer: khlungprakhons, 03-Dec-2019 15:25:27
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-197566-A-2-C MS

Matrix: Solid Lab File ID: L25971.d

Analysis Method: 8270D Date Collected:

Extract. Method: 3546 Date Extracted: 12/02/2019 16:10

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 00:35

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 14.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659590 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1870		380	28
208-96-8	Acenaphthylene	2240		380	4.0
120-12-7	Anthracene	2350		380	12
56-55-3	Benzo[a]anthracene	2350		38	13
50-32-8	Benzo[a]pyrene	2180		38	10
205-99-2	Benzo[b]fluoranthene	2400		38	10
191-24-2	Benzo[g,h,i]perylene	2180		380	11
207-08-9	Benzo[k]fluoranthene	2440		38	7.6
218-01-9	Chrysene	2590		380	6.5
53-70-3	Dibenz(a,h)anthracene	2120		38	17
206-44-0	Fluoranthene	2550		380	13
86-73-7	Fluorene	2190		380	5.2
193-39-5	Indeno[1,2,3-cd]pyrene	2470		38	15
91-20-3	Naphthalene	2290		380	6.7
85-01-8	Phenanthrene	2410		380	6.8
129-00-0	Pyrene	2890		380	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	51		29-107
4165-60-0	Nitrobenzene-d5 (Surr)	54		25-113
1718-51-0	Terphenyl-d14 (Surr)	61		27-123

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-197566-A-2-D MSD

Matrix: Solid Lab File ID: L25972.d

Analysis Method: 8270D Date Collected:

Extract. Method: 3546 Date Extracted: 12/02/2019 16:10

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 00:58

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 14.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659590 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1900		380	28
208-96-8	Acenaphthylene	2330		380	4.0
120-12-7	Anthracene	2340		380	12
56-55-3	Benzo[a]anthracene	2370		38	13
50-32-8	Benzo[a]pyrene	2220		38	10
205-99-2	Benzo[b]fluoranthene	2750		38	10
191-24-2	Benzo[g,h,i]perylene	2100		380	11
207-08-9	Benzo[k]fluoranthene	2300		38	7.6
218-01-9	Chrysene	2590		380	6.5
53-70-3	Dibenz(a,h)anthracene	2200		38	17
206-44-0	Fluoranthene	2610		380	13
86-73-7	Fluorene	2260		380	5.2
193-39-5	Indeno[1,2,3-cd]pyrene	2560		38	15
91-20-3	Naphthalene	2360		380	6.7
85-01-8	Phenanthrene	2570		380	6.8
129-00-0	Pyrene	3000		380	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	53		29-107
4165-60-0	Nitrobenzene-d5 (Surr)	57		25-113
1718-51-0	Terphenyl-d14 (Surr)	62		27-123

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Instrument ID: CBNAMS12 Start Date: 10/22/2019 09:45

Analysis Batch Number: 649268 End Date: 10/22/2019 16:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-649268/1		10/22/2019 09:45	1	L24920.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-649268/2		10/22/2019 09:58	1	L24921.d	Rtxi-5Sil MS 0.25(mm)
STD120 460-649268/3 IC		10/22/2019 10:20	1	L24922.d	Rtxi-5Sil MS 0.25(mm)
STD80 460-649268/4 IC		10/22/2019 10:43	1	L24923.d	Rtxi-5Sil MS 0.25(mm)
STD20 460-649268/5 IC		10/22/2019 11:05	1	L24924.d	Rtxi-5Sil MS 0.25(mm)
STD10 460-649268/6 IC		10/22/2019 11:28	1	L24925.d	Rtxi-5Sil MS 0.25(mm)
STD5 460-649268/7 IC		10/22/2019 11:50	1	L24926.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-649268/8 IC		10/22/2019 12:13	1	L24927.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-649268/9 IC		10/22/2019 12:35	1	L24928.d	Rtxi-5Sil MS 0.25(mm)
STD05 460-649268/10 IC		10/22/2019 12:57	1	L24929.d	Rtxi-5Sil MS 0.25(mm)
STD50 460-649268/11 IC		10/22/2019 13:20	1		Rtxi-5Sil MS 0.25(mm)
STD120 460-649268/12 IC		10/22/2019 13:42	1		Rtxi-5Sil MS 0.25(mm)
STD80 460-649268/13 IC		10/22/2019 14:04	1		Rtxi-5Sil MS 0.25(mm)
STD20 460-649268/14 IC		10/22/2019 14:27	1		Rtxi-5Sil MS 0.25(mm)
STD10 460-649268/15 IC		10/22/2019 14:49	1		Rtxi-5Sil MS 0.25(mm)
STD5 460-649268/16 IC		10/22/2019 15:12	1		Rtxi-5Sil MS 0.25(mm)
STD2 460-649268/17 IC		10/22/2019 15:34	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-649268/18		10/22/2019 15:56	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-649268/19		10/22/2019 16:19	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Instrument ID: CBNAMS12 Start Date: 12/02/2019 20:47

Analysis Batch Number: 659590 End Date: 12/03/2019 08:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-659590/1		12/02/2019 20:47	1	L25962.d	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-659590/2		12/02/2019 21:13	1	L25963.d	Rtxi-5Sil MS 0.25(mm)
CCV 460-659590/3		12/02/2019 21:39	1		Rtxi-5Sil MS 0.25(mm)
MB 460-659546/1-A		12/02/2019 22:31	1	L25966.d	Rtxi-5Sil MS 0.25(mm)
LCS 460-659546/2-A		12/02/2019 22:54	1	L25967.d	Rtxi-5Sil MS 0.25(mm)
LCSD 460-659546/3-A		12/02/2019 23:27	1	L25968.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/02/2019 23:50	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 00:13	1		Rtxi-5Sil MS 0.25(mm)
460-197566-A-2-C MS		12/03/2019 00:35	1	L25971.d	Rtxi-5Sil MS 0.25(mm)
460-197566-A-2-D MSD		12/03/2019 00:58	1	L25972.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 01:20	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 01:43	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 02:05	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 02:28	1		Rtxi-5Sil MS 0.25(mm)
460-197843-1		12/03/2019 05:22	1	L25977a.d	Rtxi-5Sil MS 0.25(mm)
460-197843-2		12/03/2019 05:44	1	L25978.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 06:06	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 06:29	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 06:52	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 07:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/03/2019 08:42	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Batch Number: 659546 Batch Start Date: 12/02/19 16:07 Batch Analyst: Amin, Abhishek B

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00009	OP_BNA SPIK 00032	OP_BNASurroga 00017	
MB 460-659546/1		3546, 8270D		15.00 g	1 mL			500 uL	
LCS 460-659546/2		3546, 8270D		15.00 g	1 mL		500 uL	500 uL	
LCSD 460-659546/3		3546, 8270D		15.00 g	1 mL		500 uL	500 uL	
460-197566-A-2 MS		3546, 8270D	T	15.00 g	1 mL	50 uL	500 uL	500 uL	
460-197566-A-2 MSD		3546, 8270D	T	15.00 g	1 mL	50 uL	500 uL	500 uL	
460-197843-A-1	B1-G1	3546, 8270D	T	15.00 g	1 mL			500 uL	
460-197843-A-2	B2-G1	3546, 8270D	T	15.00 g	1 mL			500 uL	

Batch Notes	
Balance ID	12
Batch Comment	BNA SOIL
Blank Matrix ID	177561
Concentration 1 Corrected Temperature	37 Degrees C
Equipment ID - Concentration 1	31869
Analyst ID - Extraction	AA
Method/Fraction	3546/8270 BNA Soil
Microwave Oven ID	MD-5095
Na2SO4 ID	191176
Prep Solvent ID	Methylene Chloride: 238666 & Acetone: 235565
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.

8015D_DRO

Diesel Range Orgnics (DRO) (GC)

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtx-Mineral ID: 0.32(mm)

Client Sample ID	Lab Sample ID	OTPH	#
B1-G1	460-197843-1	100	
B1-G1	460-197843-1	102	
B2-G1	460-197843-2	147	X
B2-G1	460-197843-2	112	
	MB 460-659612/1-A	91	
	MB 460-659612/1-A	106	
	LCS 460-659612/2-A	123	
	LCS 460-659612/9-A	98	
	LCSD 460-659612/3-A	111	
	LCSD 460-659612/10-A	103	
B1-G1 MS	460-197843-1 MS	126	
B1-G1 MS	460-197843-1 MS	121	
B1-G1 MSD	460-197843-1 MSD	124	
B1-G1 MSD	460-197843-1 MSD	137	X

	QC LIMITS
OTPH = o-Terphenyl	11-126

Column to be used to flag recovery values

FORM II 8015D

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 3F019221.D

Lab ID: LCS 460-659612/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
#2 Diesel Fuel	133	104	78	60-105	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2R036489.D

Lab ID: LCS 460-659612/9-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C28-C44	26.7	19.3	72	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 3F019222.D

Lab ID: LCSD 460-659612/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
#2 Diesel Fuel	133	112	84	8	30	60-105	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2R036490.D

Lab ID: LCSD 460-659612/10-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C28-C44	26.7	20.7	78	7	30	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 3F019223.D

Lab ID: 460-197843-1 MS Client ID: B1-G1 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
#2 Diesel Fuel	142	0.90 U	114	80	60-105	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 3F019224.D

Lab ID: 460-197843-1 MSD Client ID: B1-G1 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
#2 Diesel Fuel	142	146	102	24	30	60-105	

Column to be used to flag recovery and RPD values

FORM III 8015D

FORM IV
DIESEL RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab File ID: 2R036484.D Lab Sample ID: MB 460-659612/1-A

Matrix: Solid Date Extracted: 12/03/2019 00:50

Instrument ID: CBNAGC2 Date Analyzed: 12/04/2019 14:10

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B1-G1 MS	460-197843-1 MS	2R036485.D	12/04/2019 14:22
B1-G1 MSD	460-197843-1 MSD	2R036486.D	12/04/2019 14:35
B1-G1	460-197843-1	2R036487.D	12/04/2019 14:48
B2-G1	460-197843-2	2R036488.D	12/04/2019 15:00
	LCS 460-659612/9-A	2R036489.D	12/04/2019 15:13
	LCSD 460-659612/10-A	2R036490.D	12/04/2019 15:25

FORM IV
DIESEL RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab File ID: 3F019220.D Lab Sample ID: MB 460-659612/1-A

Matrix: Solid Date Extracted: 12/03/2019 00:50

Instrument ID: CBNAGC3 Date Analyzed: 12/03/2019 10:24

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-659612/2-A	3F019221.D	12/03/2019 10:37
	LCSD 460-659612/3-A	3F019222.D	12/03/2019 10:49
B1-G1 MS	460-197843-1 MS	3F019223.D	12/03/2019 11:02
B1-G1 MSD	460-197843-1 MSD	3F019224.D	12/03/2019 11:15
B1-G1	460-197843-1	3F019225.D	12/03/2019 11:28
B2-G1	460-197843-2	3F019226.D	12/03/2019 11:42

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B1-G1 Lab Sample ID: 460-197843-1

Matrix: Solid Lab File ID: 3F019225.D

Analysis Method: 8015D Date Collected: 12/02/2019 11:00

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 11:28

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: 6.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	0.90	U	7.2	0.90
STL00816	C10-C44	0.90	U	9.3	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	102		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019225.D				
Lims ID:	460-197843-A-1-D				
Client ID:	B1-G1				
Sample Type:	Client				
Inject. Date:	03-Dec-2019 11:28:48	ALS Bottle#:	11	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0102197-009				
Operator ID:	615	Instrument ID:	CBNAGC3		
Method:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m				
Limit Group:	GC 8015C DRO ICAL				
Last Update:	03-Dec-2019 12:28:55	Calib Date:	02-Feb-2018 15:08:43		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D				
Column 1 :	Rtx Mineral Oil (0.32 mm)		Det: GC FID1A		
Process Host:	CTX0333				

First Level Reviewer: mendezb Date: 03-Dec-2019 12:23:50

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
$ 4 o-Terphenyl					
3.834	3.829	0.005	142008	20.3	
6 n-Octacosane					
4.811	4.774	0.037	1078	NC	
8 Qualitative Method					
5.364	5.343	0.021	1204	NC	
7 Tetratetracontane					
6.064	6.207	-0.143	1846	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

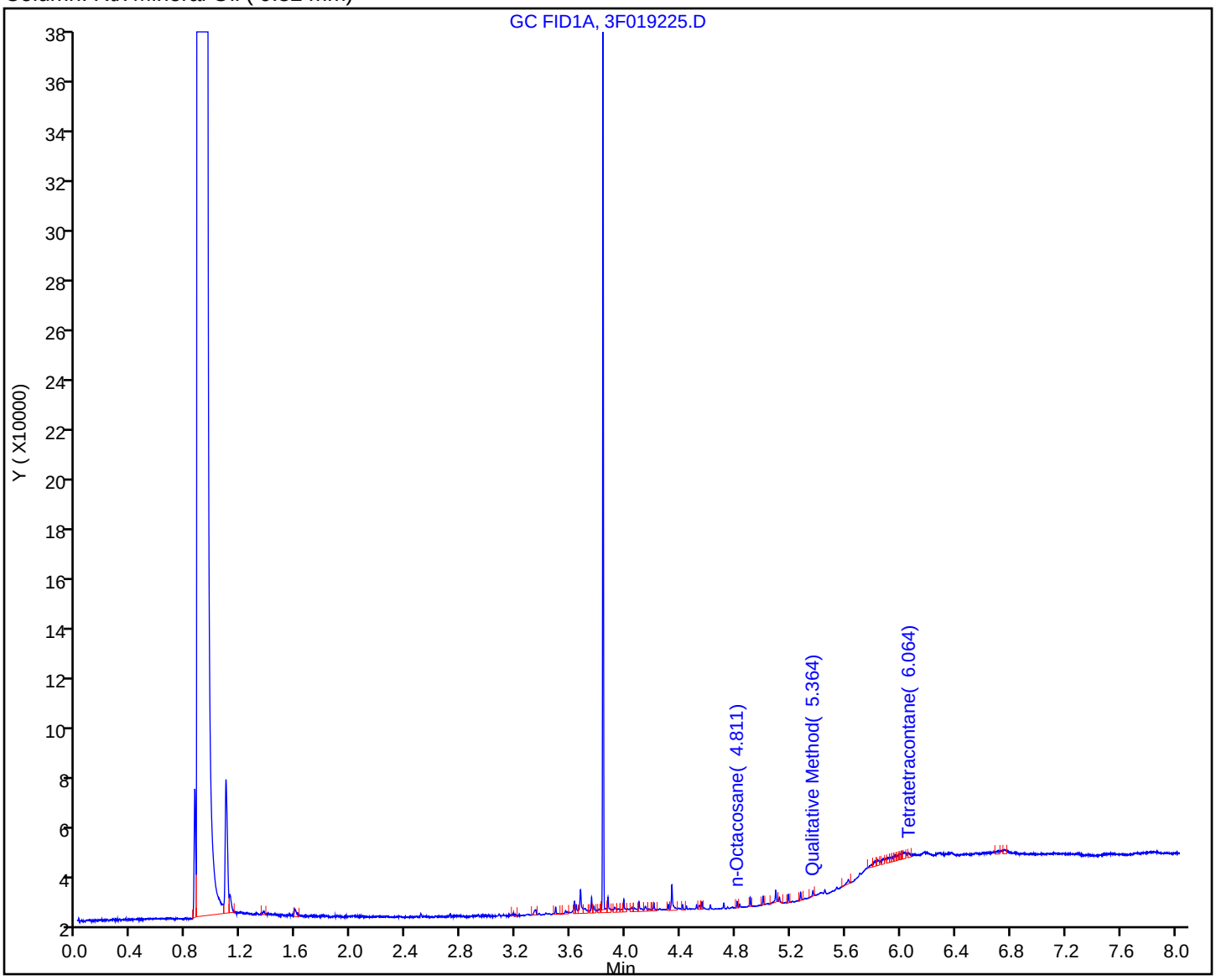
Report Date: 04-Dec-2019 10:51:02 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019225.D

Injection Date:	03-Dec-2019 11:28:48	Instrument ID:	CBNAGC3		
Lims ID:	460-197843-A-1-D	Lab Sample ID:	460-197843-1		
Client ID:	B1-G1				
Operator ID:	615	ALS Bottle#:	11	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		

Column: Rtx Mineral Oil (0.32 mm)



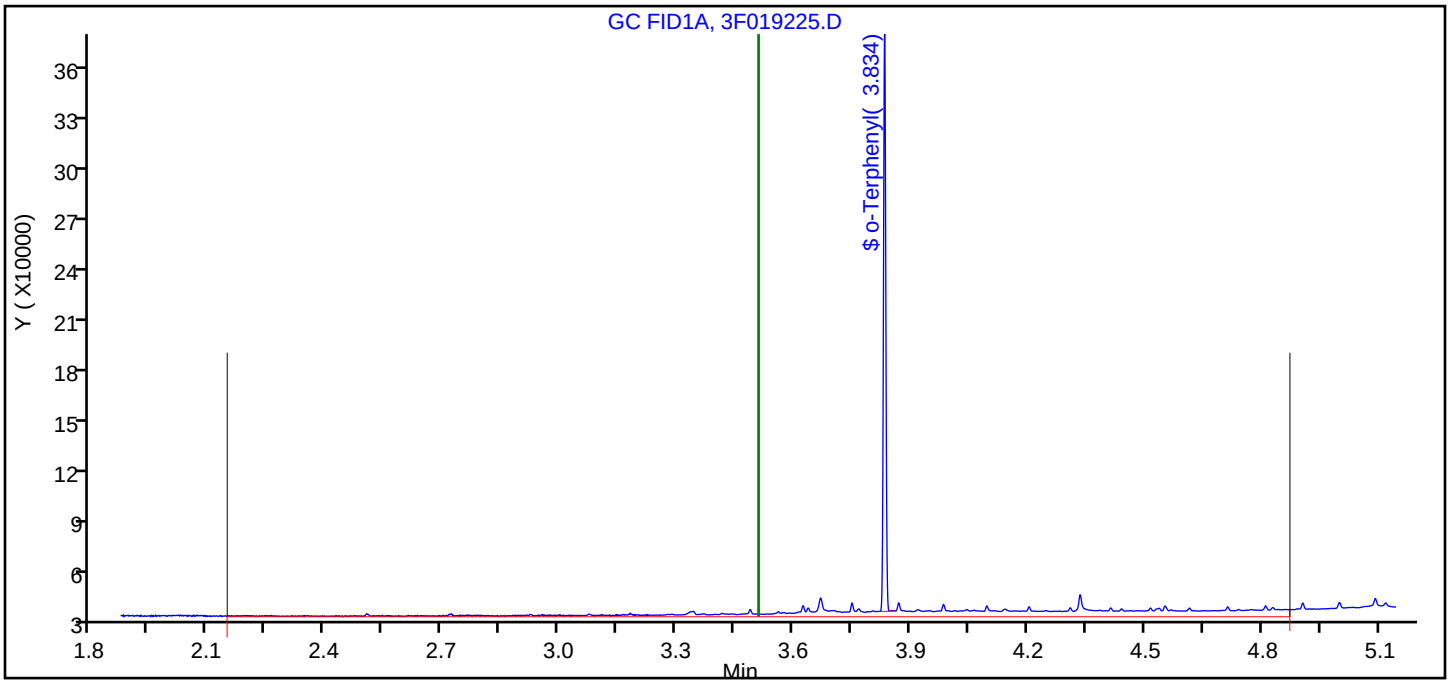
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019225.D				
Injection Date:	03-Dec-2019 11:28:48	Instrument ID:	CBNAGC3		
Lims ID:	460-197843-A-1-D	Lab Sample ID:	460-197843-1		
Client ID:	B1-G1				
Operator ID:	615	ALS Bottle#:	11	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 2 #2 Diesel Fuel, CAS: 68334-30-5

Processing Results



Exp RT	RT	Response	Amount
3.51	3.51	363181	63.036522

Reviewer: mendezb, 03-Dec-2019 12:23:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

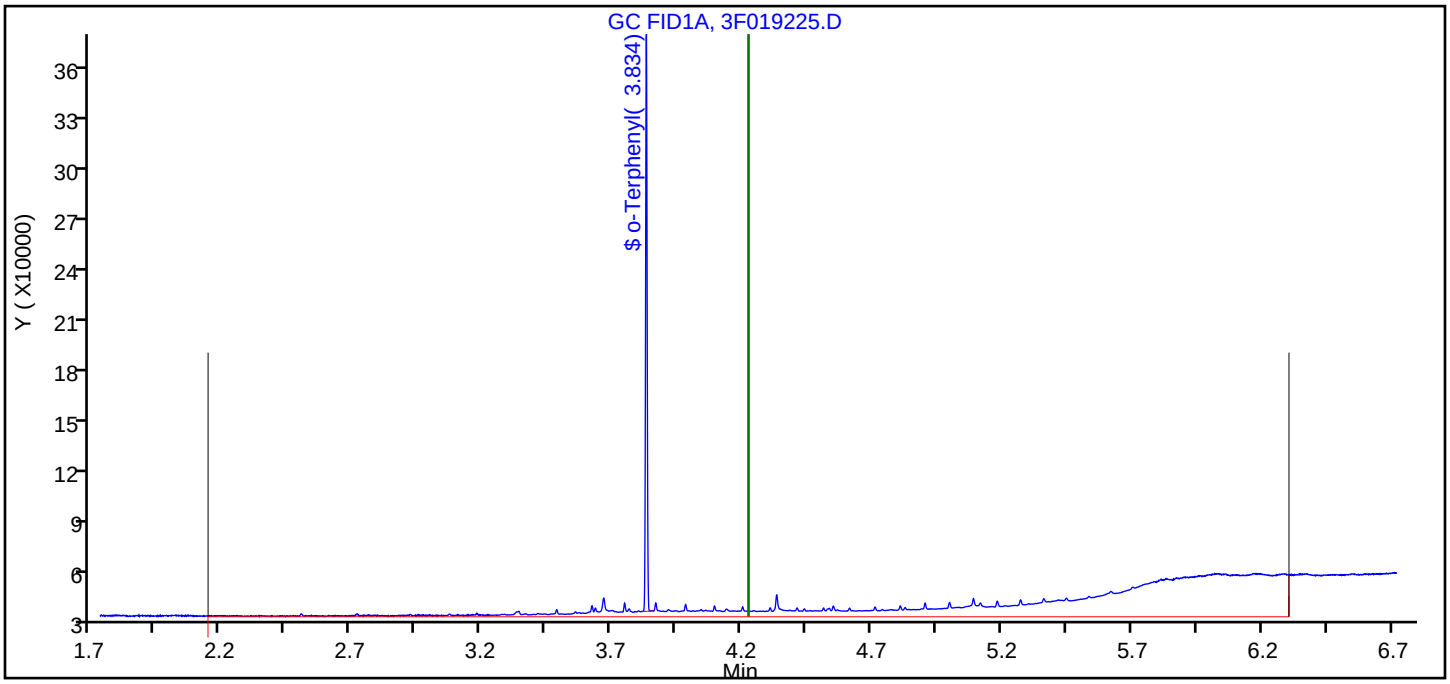
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019225.D				
Injection Date:	03-Dec-2019 11:28:48	Instrument ID:	CBNAGC3		
Lims ID:	460-197843-A-1-D	Lab Sample ID:	460-197843-1		
Client ID:	B1-G1				
Operator ID:	615	ALS Bottle#:	11	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 5 C10-C44, CAS: STL00816

Processing Results



Exp RT	RT	Response	Amount
4.23	4.23	1612284	279.8406

Reviewer: mendezb, 03-Dec-2019 12:23:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B1-G1 Lab Sample ID: 460-197843-1

Matrix: Solid Lab File ID: 2R036487.D

Analysis Method: 8015D Date Collected: 12/02/2019 11:00

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/04/2019 14:48

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: 6.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	0.90	U	7.2	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036487.D				
Lims ID:	460-197843-A-1-D				
Client ID:	B1-G1				
Sample Type:	Client				
Inject. Date:	04-Dec-2019 14:48:13	ALS Bottle#:	59	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:		Instrument ID:	CBNAGC2		
Method:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m				
Limit Group:	GC 8015C DRO ICAL				
Last Update:	04-Dec-2019 15:34:29	Calib Date:	24-Sep-2018 14:36:37		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D				
Column 1 :	Rtx Mineral Oil (0.32 mm)		Det: GC FID1A		
Process Host:	CTX0332				
First Level Reviewer: mendezb		Date:	04-Dec-2019 15:32:08		

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
A 6 #2 Diesel Fuel					
2.743	(1.155-4.331)		795856	NC	
$ 11 o-Terphenyl					
3.132	3.136	-0.004	450652	20.0	
19 Qualitative Method					
5.843	5.915	-0.072	5258	NC	

QC Flag Legend

Processing Flags

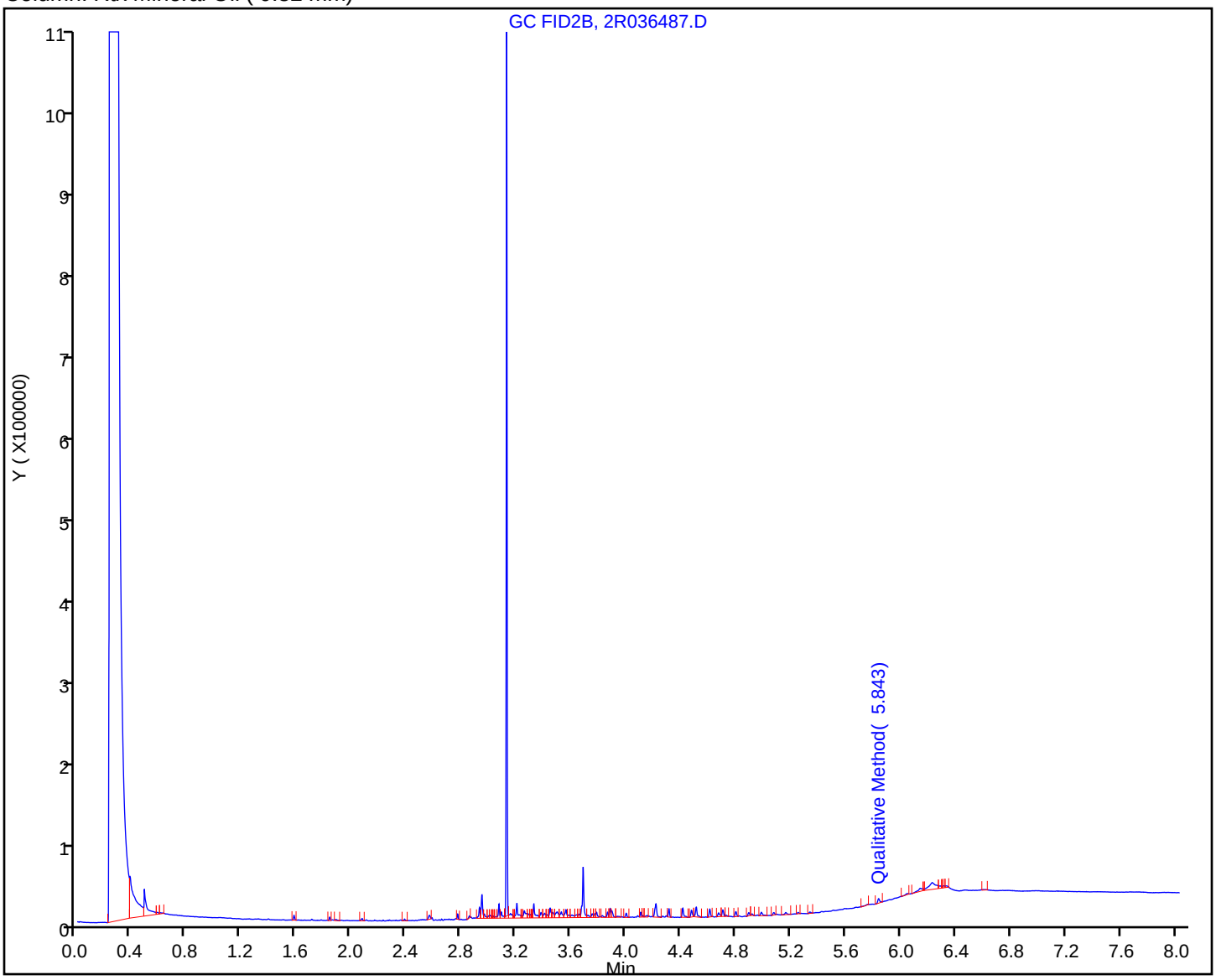
NC - Not Calibrated

Report Date: 04-Dec-2019 15:34:38 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036487.D				
Injection Date:	04-Dec-2019 14:48:13	Instrument ID:	CBNAGC2		
Lims ID:	460-197843-A-1-D	Lab Sample ID:	460-197843-1		
Client ID:	B1-G1				
Operator ID:		ALS Bottle#:	59	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		

Column: Rtx Mineral Oil (0.32 mm)



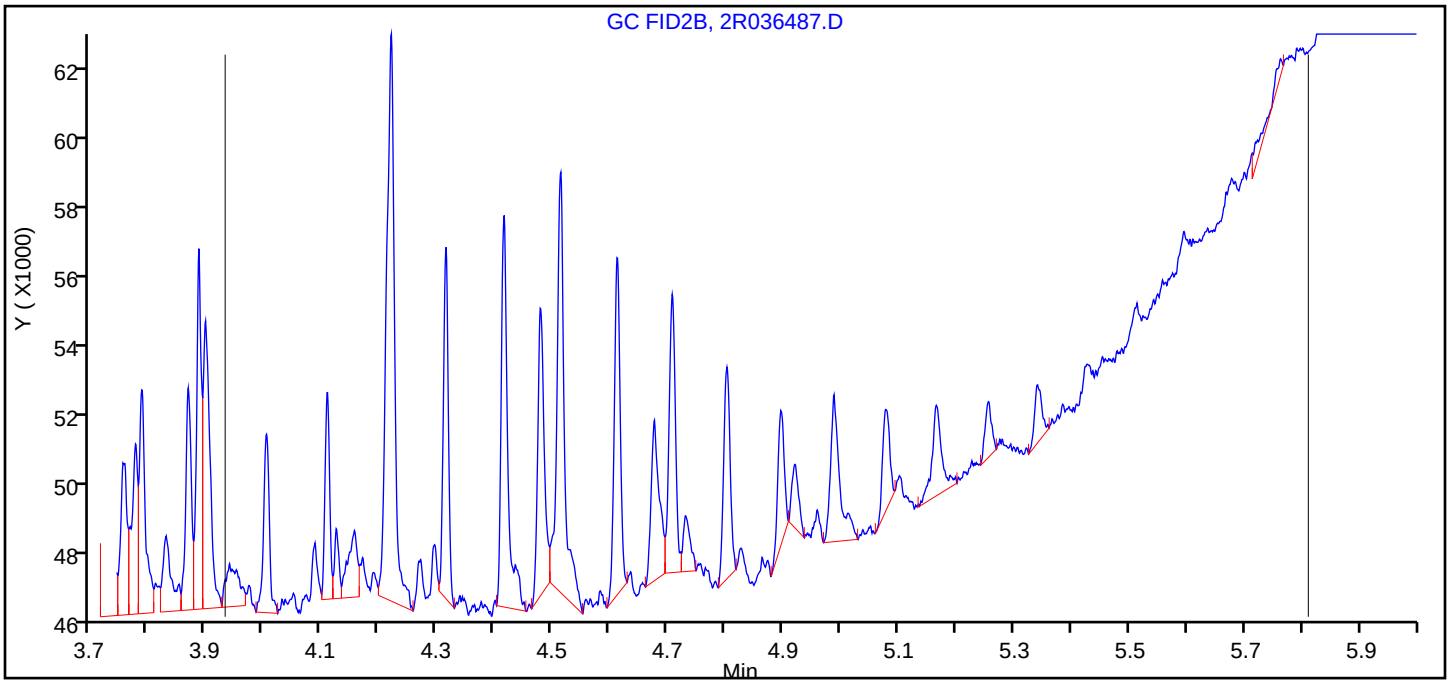
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036487.D				
Injection Date:	04-Dec-2019 14:48:13	Instrument ID:	CBNAGC2		
Lims ID:	460-197843-A-1-D	Lab Sample ID:	460-197843-1		
Client ID:	B1-G1				
Operator ID:		ALS Bottle#:	59	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 13 C28-C44, CAS: STL02291, Signal: 1, Type: quant, RT: 4.87

Processing Results



RT	Response	Amount
4.87	98279	5.247239
	Amount:	5.247239

Reviewer: mendezb, 04-Dec-2019 15:32:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B2-G1 Lab Sample ID: 460-197843-2

Matrix: Solid Lab File ID: 3F019226.D

Analysis Method: 8015D Date Collected: 12/02/2019 11:15

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 11:42

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: 5.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	54		7.1	0.89
STL00816	C10-C44	100		9.2	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	112		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019226.D				
Lims ID:	460-197843-A-2-B				
Client ID:	B2-G1				
Sample Type:	Client				
Inject. Date:	03-Dec-2019 11:42:07	ALS Bottle#:	12	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0102197-010				
Operator ID:	615	Instrument ID:	CBNAGC3		
Method:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m				
Limit Group:	GC 8015C DRO ICAL				
Last Update:	03-Dec-2019 12:28:55	Calib Date:	02-Feb-2018 15:08:43		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D				
Column 1 :	Rtx Mineral Oil (0.32 mm)		Det: GC FID1A		
Process Host:	CTX0333				

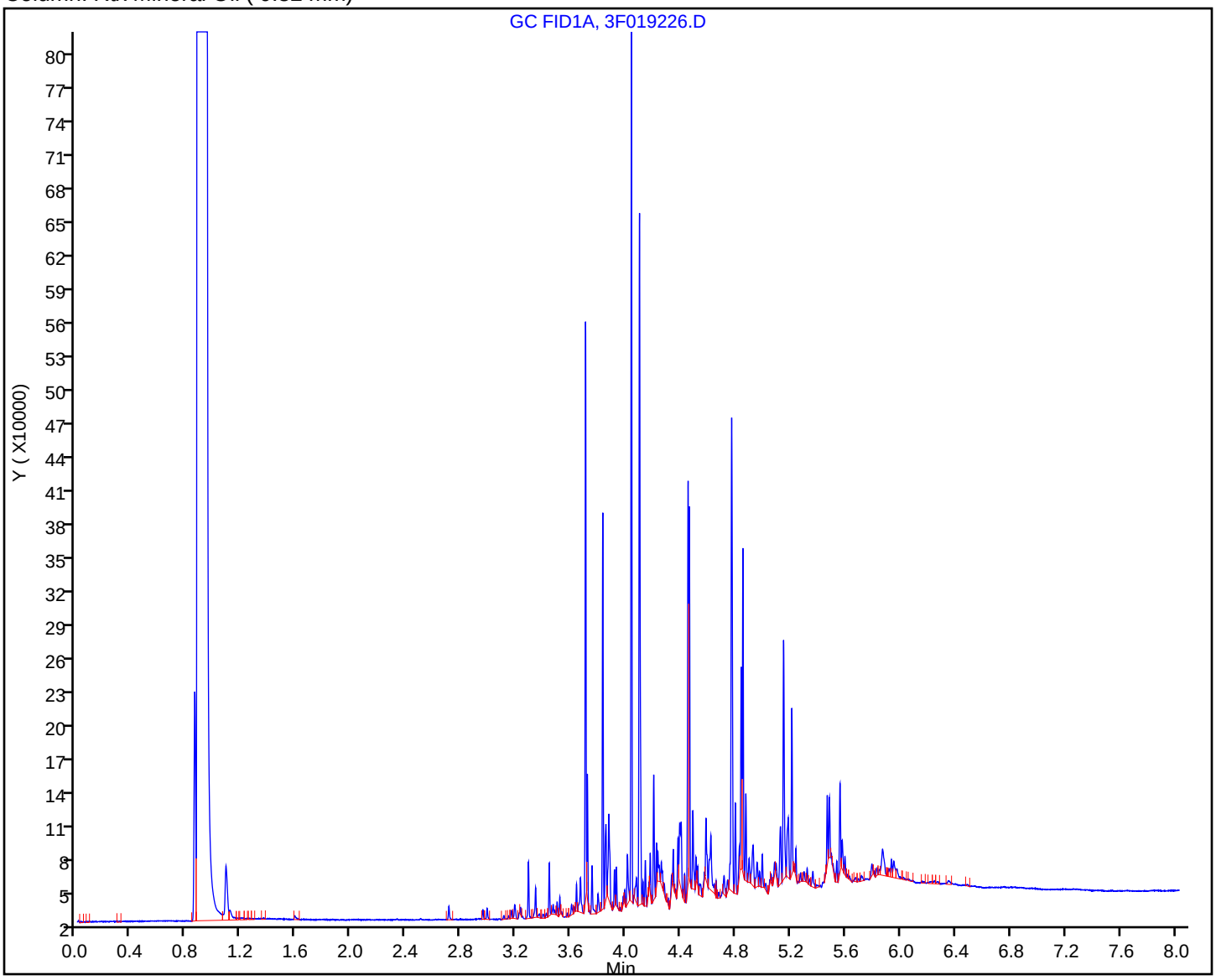
	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
A	2 #2 Diesel Fuel					
	3.511	(2.147-4.874)		4382114	760.6	
$	4 o-Terphenyl					
	3.832	3.829	0.003	156653	22.4	
A	5 C10-C44					
	4.227	(2.147-6.307)		8126479	1410.5	
A	9 C28-C44					
	5.591	(4.874-6.307)		1767913	306.9	

Report Date: 04-Dec-2019 10:51:03 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019226.D				
Injection Date:	03-Dec-2019 11:42:07	Instrument ID:	CBNAGC3		
Lims ID:	460-197843-A-2-B	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:	615	ALS Bottle#:	12	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		

Column: Rtx Mineral Oil (0.32 mm)



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B2-G1 Lab Sample ID: 460-197843-2

Matrix: Solid Lab File ID: 2R036488.D

Analysis Method: 8015D Date Collected: 12/02/2019 11:15

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/04/2019 15:00

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: 5.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	50		7.1	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	147	X	11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036488.D
Lims ID: 460-197843-A-2-B
Client ID: B2-G1
Sample Type: Client
Inject. Date: 04-Dec-2019 15:00:44 ALS Bottle#: 60 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CBNAGC2

Method: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 04-Dec-2019 15:34:29 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0332

First Level Reviewer: mendezb Date: 04-Dec-2019 15:32:23

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
	1 n-Decane					M
	1.324	1.255	0.069	10932	0.5880	M
	18 Undecane					M
	1.583	1.637	-0.054	7257	0.3869	M
	2 Dodecane					M
	1.843	1.927	-0.084	5575	0.2929	M
	16 n-Tetradecane					M
	2.396	2.391	0.005	28637	1.48	M
A	5 C10-C28					M
	2.743	(1.155-4.331)		14472149	735.1	M
A	6 #2 Diesel Fuel					
	2.743	(1.155-4.331)		14329734	NC	
	7 Hexadecane					M
	2.774	2.778	-0.004	18169	0.9213	M
	12 n-Octadecane					M
	3.076	3.081	-0.005	60704	3.06	M
$	11 o-Terphenyl					M
	3.133	3.136	-0.003	663830	29.4	M
	4 icosane					M
	3.332	3.337	-0.005	1279376	64.5	M
A	9 C10-C44					M
	3.483	(1.155-5.811)		23269733	1205.0	M
	15 n-Tetracosane					M
	3.799	3.800	-0.001	221203	11.1	M
	10 n-Octacosane					M
	4.234	4.231	0.003	223294	11.3	M
	3 Dotriacontane					M
	4.650	4.636	0.014	128313	6.68	M

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
A 13 C28-C44					M
4.871	(3.931-5.811)		13175444	703.5	M
8 n-Hexatriacontane					M
5.026	5.017	0.009	41738	2.23	M
14 C40					M
5.363	5.374	-0.011	185401	10.4	M
17 Tetratetracontane					M
5.722	5.711	0.011	153983	8.94	M
19 Qualitative Method					M
5.931	5.915	0.016	130701	NC	M

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

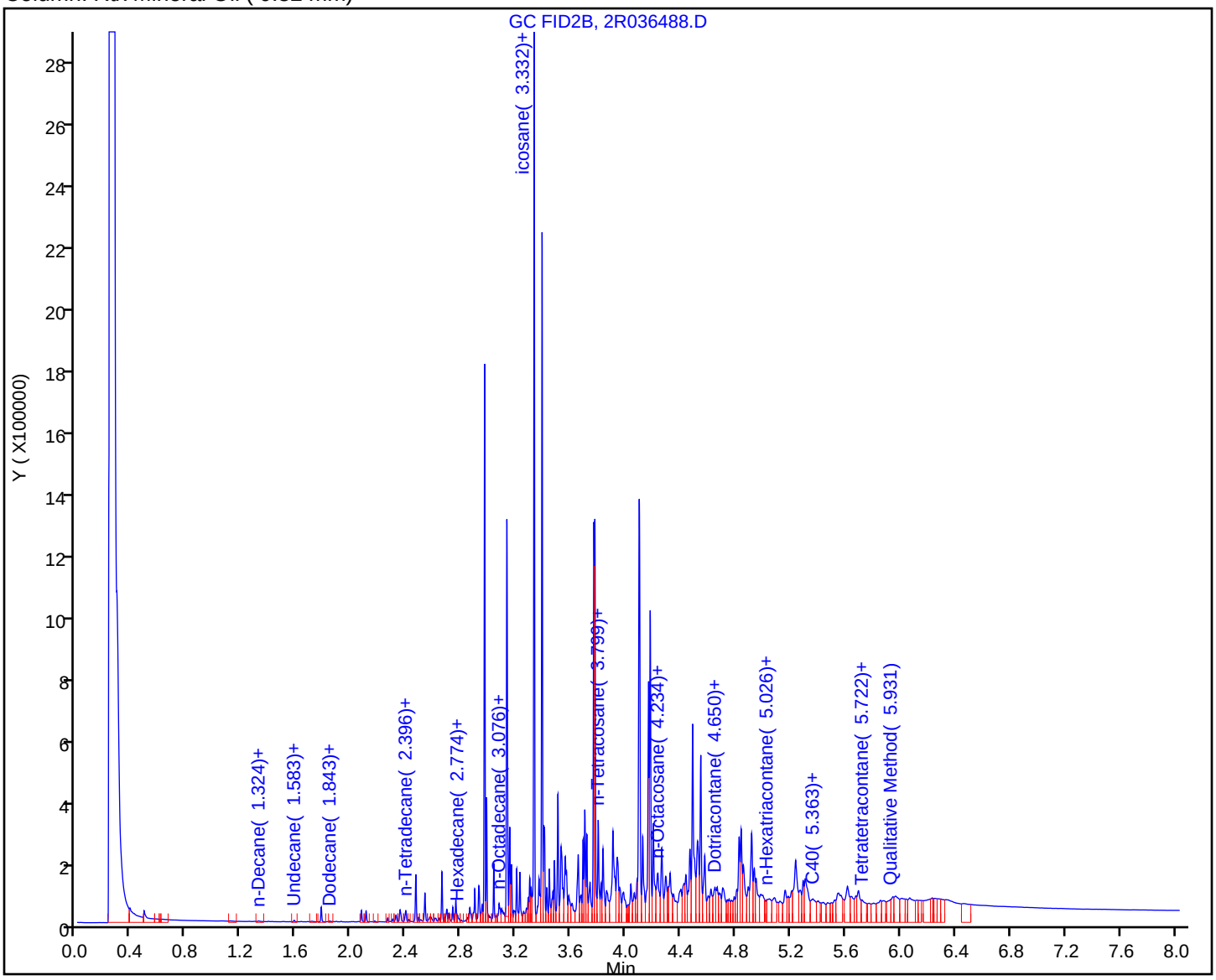
Report Date: 04-Dec-2019 15:34:41 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036488.D

Injection Date:	04-Dec-2019 15:00:44	Instrument ID:	CBNAGC2		
Lims ID:	460-197843-A-2-B	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	60	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		

Column: Rtx Mineral Oil (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

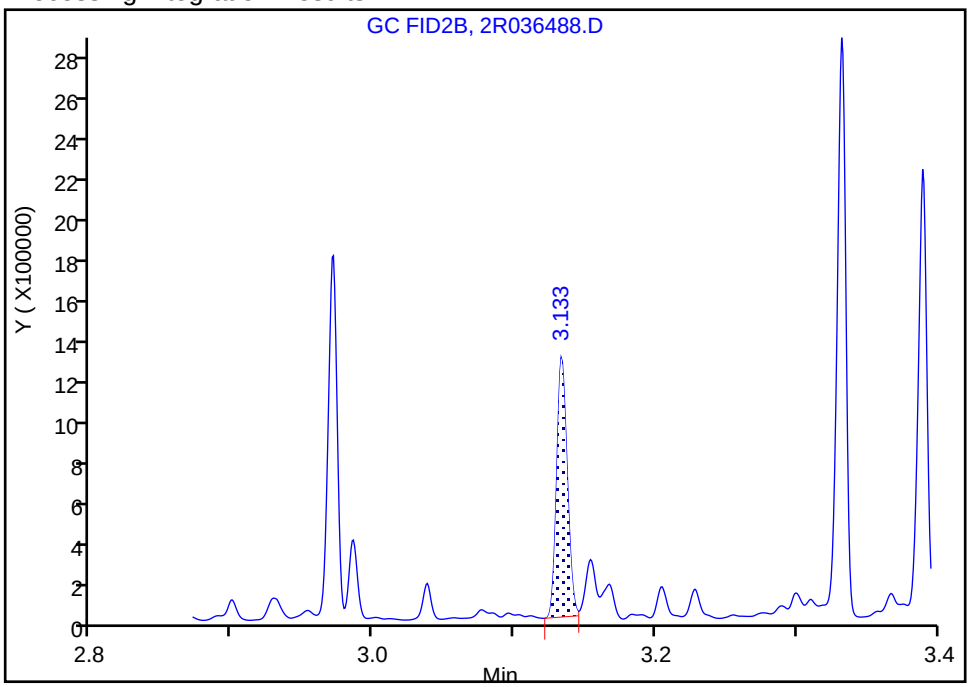
Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036488.D				
Injection Date:	04-Dec-2019 15:00:44	Instrument ID:	CBNAGC2		
Lims ID:	460-197843-A-2-B	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	60	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

$ 11 o-Terphenyl, CAS: 84-15-1

Signal: 1

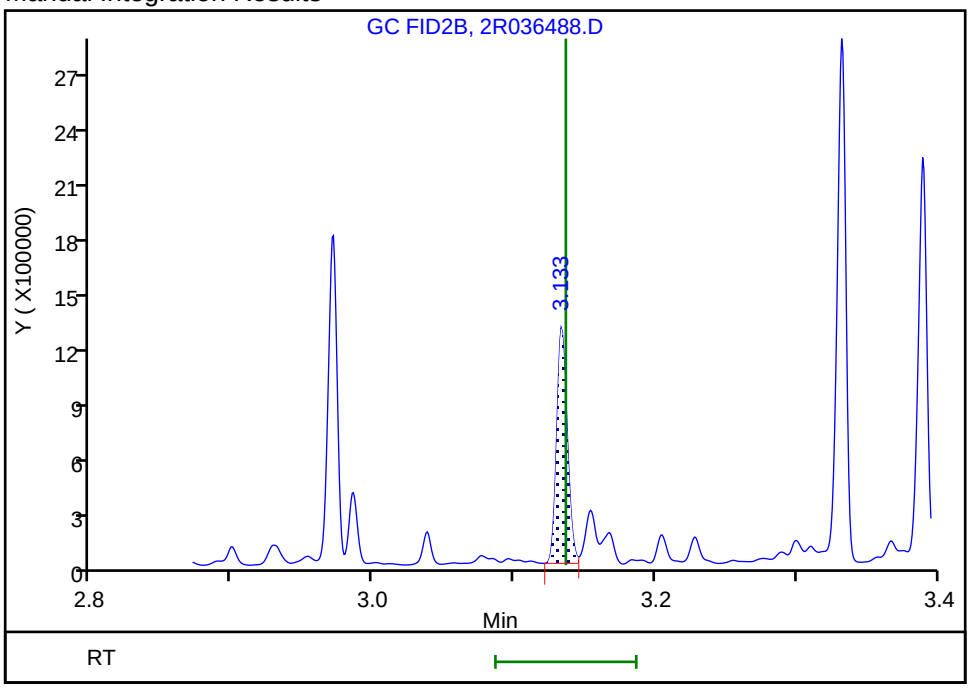
Processing Integration Results

RT: 3.13
Area: 655070
Amount: 29.005729
Amount Units: ug/ml



Manual Integration Results

RT: 3.13
Area: 663830
Amount: 29.393612
Amount Units: ug/ml



Reviewer: mendezb, 04-Dec-2019 15:32:19

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

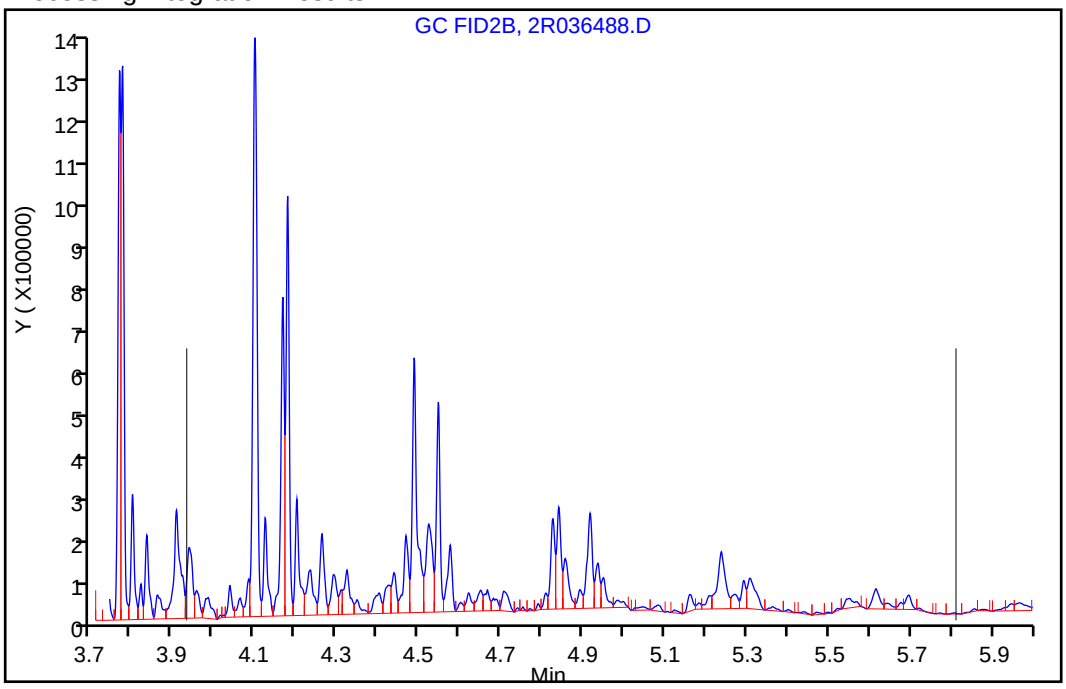
Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036488.D				
Injection Date:	04-Dec-2019 15:00:44	Instrument ID:	CBNAGC2		
Lims ID:	460-197843-A-2-B	Lab Sample ID:	460-197843-2		
Client ID:	B2-G1				
Operator ID:		ALS Bottle#:	60	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 13 C28-C44, RT: 4.871, CAS: STL02291

Signal: 1

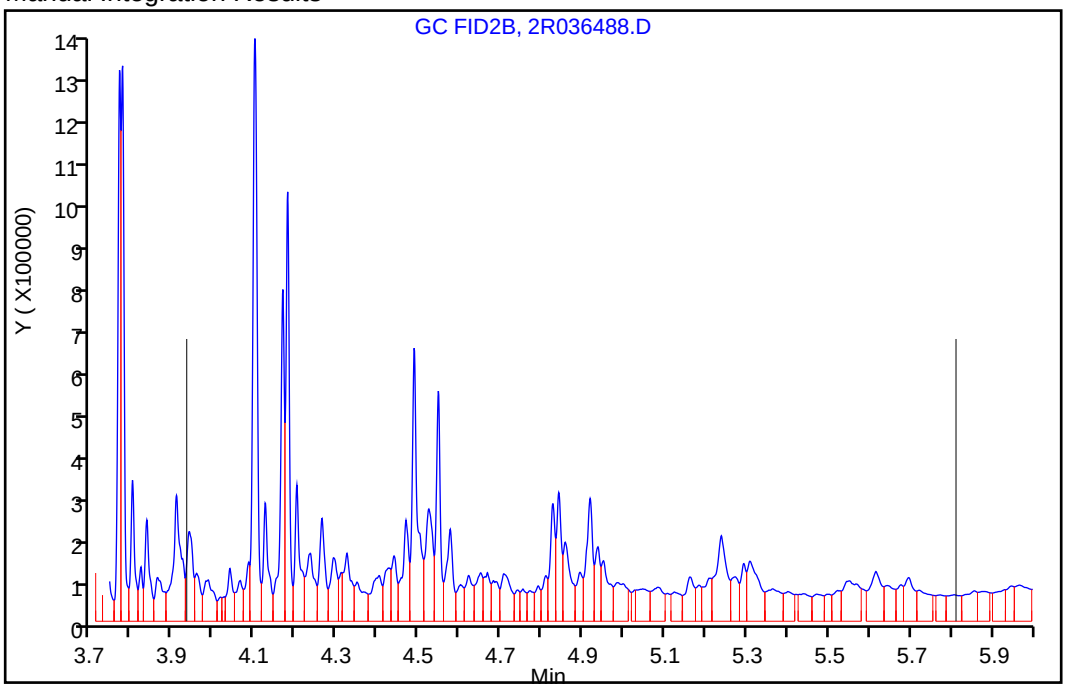
Processing Integration Results

RT: 4.87
Response: 6202519
Amount: 331.1603



Manual Integration Results

RT: 4.87
Response: 13175444
Amount: 703.4534



Reviewer: mendezb, 04-Dec-2019 15:32:19

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 554644

SDG No.:

Instrument ID: CBNAGC2 GC Column: Rtx-Mineral ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2018 11:52 Calibration End Date: 09/24/2018 14:36 Calibration ID: 72369

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-554644/6	2R027625.D
Level 2	STD2 460-554644/2	2R027612.D
Level 3	STD3 460-554644/3	2R027613.D
Level 4	STD4 460-554644/4	2R027614.D
Level 5	STD5 460-554644/5	2R027615.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
n-Decane	1.099	1.100	1.102	1.104	1.110						0.852 - 1.352	1.103
Undecane	1.534	1.536	1.536	1.537	1.541						1.436 - 1.636	1.537
Dodecane	1.843	1.846	1.846	1.850	1.852						1.746 - 1.946	1.847
n-Tetradecane	2.319	2.322	2.322	2.324	2.328						2.222 - 2.422	2.323
Diesel Range Organics [C10-C28]	2.591	2.591	2.591	2.591	2.591						1.002 - 4.180	2.591
Hexadecane	2.710	2.711	2.712	2.715	2.720						2.612 - 2.812	2.714
n-Octadecane	3.016	3.019	3.019	3.022	3.026						2.919 - 3.119	3.020
C10-C44	3.261	3.261	3.261	3.261	3.261						1.002 - 5.521	3.261
icosane	3.263	3.266	3.265	3.268	3.271						3.165 - 3.365	3.267
n-Tetracosane	3.692	3.693	3.691	3.693	3.696						3.591 - 3.791	3.693
n-Octacosane	4.083	4.086	4.080	4.082	4.085						3.830 - 4.330	4.083
Dotriacontane	4.448	4.451	4.445	4.447	4.447						4.345 - 4.545	4.448
C28-C44	4.651	4.651	4.651	4.651	4.651						3.780 - 5.521	4.651
n-Hexatriacontane	4.790	4.796	4.789	4.792	4.790						4.689 - 4.889	4.791
n-Tetracontane	5.113	5.122	5.114	5.117	5.113						5.014 - 5.214	5.116
o-Terphenyl	3.066	3.069	3.069	3.071	3.074						3.019 - 3.119	3.070

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 554644

SDG No.:

Instrument ID: CBNAGC2 GC Column: Rtx-Mineral ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2018 11:52 Calibration End Date: 09/24/2018 14:36 Calibration ID: 72369

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-554644/6	2R027625.D
Level 2	STD2 460-554644/2	2R027612.D
Level 3	STD3 460-554644/3	2R027613.D
Level 4	STD4 460-554644/4	2R027614.D
Level 5	STD5 460-554644/5	2R027615.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
n-Decane	19360 20866	16577	19372	16792	Ave		18593.2425				9.9		20.0			
Undecane	19587 21192	16630	19549	16825	Ave		18756.4040				10.5		20.0			
Dodecane	19848 21610	16829	19875	16991	Ave		19030.6320				10.8		20.0			
n-Tetradecane	20467 21961	17046	20265	17109	Ave		19369.4420				11.3		20.0			
Diesel Range Organics [C10-C28]	21306 21987	17371	20504	17271	Ave		19687.8912				11.3		20.0			
Hexadecane	21053 22225	17384	20641	17304	Ave		19721.3340				11.4		20.0			
n-Octadecane	21647 22145	17420	20684	17258	Ave		19830.7060				11.8		20.0			
C10-C44	20424 21925	16858	20272	17076	Ave		19311.1633				11.6		20.0			
icosane	21696 22092	17438	20747	17252	Ave		19845.0215				11.8		20.0			
n-Tetracosane	21650 22226	17558	20982	17439	Ave		19971.1490				11.5		20.0			
n-Octacosane	21116 22086	17320	20759	17315	Ave		19719.3705				11.4		20.0			
Dotriacontane	20248 21798	16726	20291	16994	Ave		19211.3630				11.6		20.0			
C28-C44	18976 21873	16037	19971	16791	Ave		18729.6601				12.7		20.0			
n-Hexatriacontane	19408 21721	16016	19821	16672	Ave		18727.5295				12.6		20.0			
n-Tetracontane	18035 21063	15095	19035	15984	Ave		17842.2135				13.4		20.0			

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

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 554644

SDG No.:

Instrument ID: CBNAGC2 GC Column: Rtx-Mineral ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2018 11:52 Calibration End Date: 09/24/2018 14:36 Calibration ID: 72369

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
o-Terphenyl	24451 25299	19842	23604	19725	Ave		22584.1590				11.6		20.0			

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

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 554644

SDG No.:

Instrument ID: CBNAGC2 GC Column: Rtx-Mineral ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2018 11:52 Calibration End Date: 09/24/2018 14:36 Calibration ID: 72369

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-554644/6	2R027625.D
Level 2	STD2 460-554644/2	2R027612.D
Level 3	STD3 460-554644/3	2R027613.D
Level 4	STD4 460-554644/4	2R027614.D
Level 5	STD5 460-554644/5	2R027615.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
n-Decane	Ave	154881	663071	1549758	3358340	8346255	8.00	40.0	80.0	200	400
Undecane	Ave	156696	665198	1563882	3364977	8476664	8.00	40.0	80.0	200	400
Dodecane	Ave	158783	673175	1590031	3398148	8643913	8.00	40.0	80.0	200	400
n-Tetradecane	Ave	163734	681837	1621195	3421741	8784357	8.00	40.0	80.0	200	400
Diesel Range Organics [C10-C28]	Ave	1534029	6253733	14762805	31087218	79154801	72.0	360	720	1800	3600
Hexadecane	Ave	168424	695349	1651252	3460767	8890184	8.00	40.0	80.0	200	400
n-Octadecane	Ave	173172	696819	1654691	3451576	8858015	8.00	40.0	80.0	200	400
C10-C44	Ave	2124125	8766380	21083225	44397194	114009683	104	520	1040	2600	5200
icosane	Ave	173568	697530	1659735	3450450	8836768	8.00	40.0	80.0	200	400
n-Tetracosane	Ave	173201	702301	1678591	3487876	8890531	8.00	40.0	80.0	200	400
n-Octacosane	Ave	168929	692813	1660749	3463095	8834226	8.00	40.0	80.0	200	400
Dotriacontane	Ave	161985	669020	1623281	3398804	8719263	8.00	40.0	80.0	200	400
C28-C44	Ave	759025	3207489	7988578	16791036	43745499	40.0	200	400	1000	2000
n-Hexatriacontane	Ave	155266	640651	1585642	3334398	8688243	8.00	40.0	80.0	200	400
n-Tetracontane	Ave	144276	603785	1522770	3196851	8425225	8.00	40.0	80.0	200	400
o-Terphenyl	Ave	97802	396848	944150	1972470	5059889	4.00	20.0	40.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027612.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Sep-2018 11:52:06 ALS Bottle#: 53 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0079169-003
Operator ID: Instrument ID: CBNAGC2
Sublist: chrom-DRO2R*sub4

Method: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 10-Dec-2018 11:20:18 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0327

First Level Reviewer: mendezb Date: 24-Sep-2018 15:22:31

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 n-Decane						
	1.100	1.102	-0.002	663071	40.0	35.7	
	18 Undecane						
	1.536	1.536	0.000	665198	40.0	35.5	
	2 Dodecane						M
	1.846	1.846	0.000	673175	40.0	35.4	M
	16 n-Tetradecane						
	2.322	2.322	0.000	681837	40.0	35.2	
A	5 C10-C28						M
	2.591	(1.002-4.180)		6253733	360.0	317.6	M
	7 Hexadecane						
	2.711	2.712	-0.001	695349	40.0	35.3	
	12 n-Octadecane						
	3.019	3.019	0.000	696819	40.0	35.1	
$	11 o-Terphenyl						
	3.069	3.069	0.000	396848	20.0	17.6	
A	9 C10-C44						M
	3.261	(1.002-5.521)		8766380	520.0	454.0	M
	4 icosane						
	3.266	3.265	0.001	697530	40.0	35.1	
	15 n-Tetracosane						
	3.693	3.691	0.002	702301	40.0	35.2	
	10 n-Octacosane						
	4.086	4.080	0.006	692813	40.0	35.1	
	3 Dotriacontane						
	4.451	4.445	0.006	669020	40.0	34.8	
A	13 C28-C44						
	4.651	(3.780-5.521)		3207489	200.0	171.3	

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 n-Hexatriacontane						
4.796	4.789	0.007	640651	40.0	34.2	
14 C40						
5.122	5.114	0.008	603785	40.0	33.8	
17 Tetratetracontane						
5.430	5.421	0.009	571360	40.0	33.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGDROL2test_00001 Amount Added: 1.00 Units: mL

Report Date: 10-Dec-2018 11:20:19 Chrom Revision: 2.3 21-Nov-2018 13:56:44

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027612.D

Injection Date: 24-Sep-2018 11:52:06 Instrument ID: CBNAGC2

Lims ID: STD2

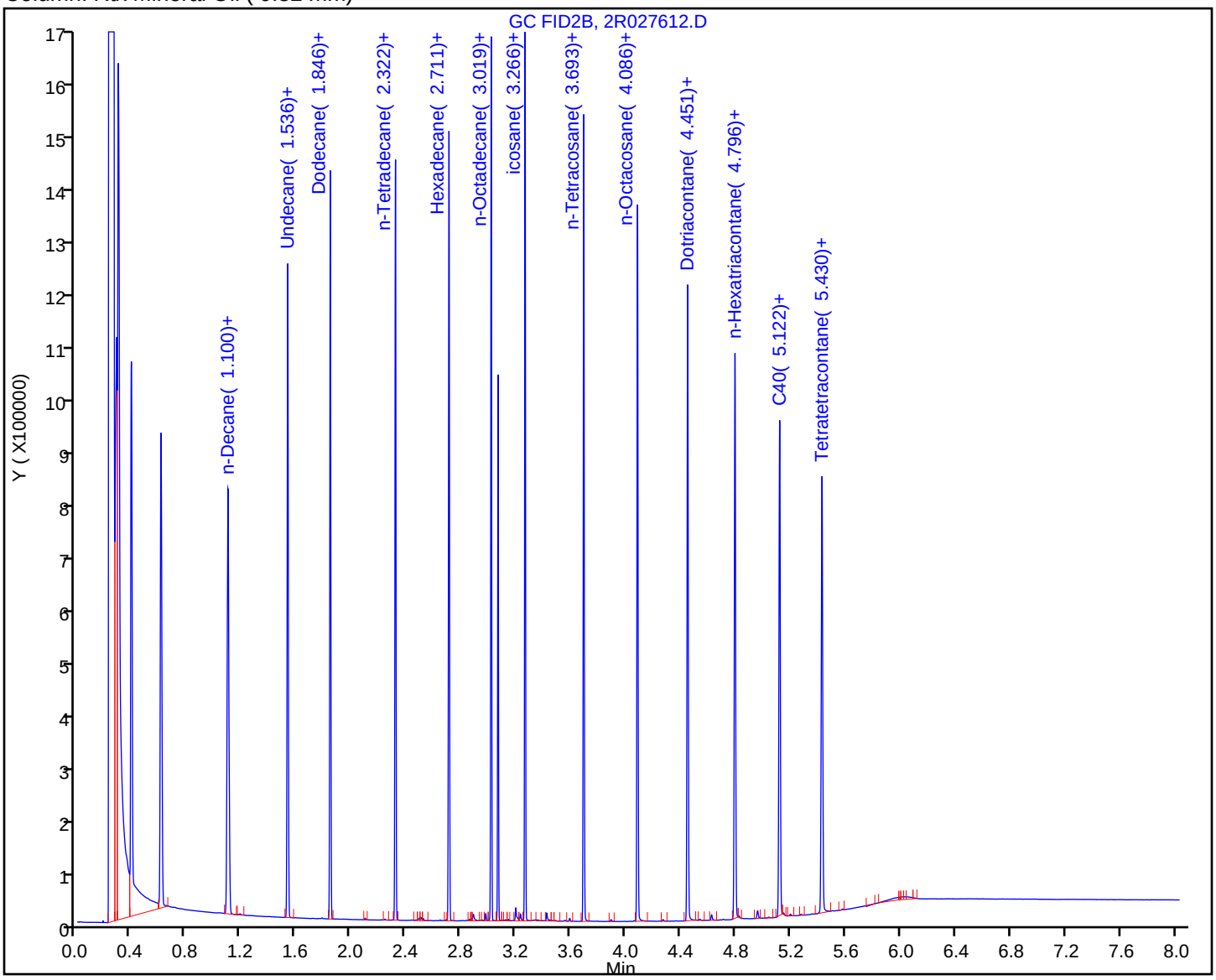
Client ID:

Operator ID: ALS Bottle#: 53 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027613.D
Lims ID: STD3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Sep-2018 12:05:01 ALS Bottle#: 54 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0079169-004
Operator ID: Instrument ID: CBNAGC2
Sublist: chrom-DRO2R*sub4

Method: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 10-Dec-2018 11:20:20 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0327

First Level Reviewer: mendezb Date: 24-Sep-2018 15:22:07

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 n-Decane						
	1.102	1.102	0.000	1549758	80.0	83.4	
	18 Undecane						
	1.536	1.536	0.000	1563882	80.0	83.4	
	2 Dodecane						
	1.846	1.846	0.000	1590031	80.0	83.6	
	16 n-Tetradecane						
	2.322	2.322	0.000	1621195	80.0	83.7	
A	5 C10-C28						
	2.591	(1.002-4.180)		14762805	720.0	749.8	
	7 Hexadecane						
	2.712	2.712	0.000	1651252	80.0	83.7	
	12 n-Octadecane						
	3.019	3.019	0.000	1654691	80.0	83.4	
$	11 o-Terphenyl						
	3.069	3.069	0.000	944150	40.0	41.8	
A	9 C10-C44						
	3.261	(1.002-5.521)		21083225	1040.0	1091.8	
	4 icosane						
	3.265	3.265	0.000	1659735	80.0	83.6	
	15 n-Tetracosane						
	3.691	3.691	0.000	1678591	80.0	84.1	
	10 n-Octacosane						
	4.080	4.080	0.000	1660749	80.0	84.2	
	3 Dotriacontane						
	4.445	4.445	0.000	1623281	80.0	84.5	
A	13 C28-C44						
	4.651	(3.780-5.521)		7988578	400.0	426.5	

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 n-Hexatriacontane						
4.789	4.789	0.000	1585642	80.0	84.7	
14 C40						
5.114	5.114	0.000	1522770	80.0	85.3	
17 Tetratetracontane						
5.421	5.421	0.000	1507263	80.0	87.5	

Reagents:

SGDROL3test_00001 Amount Added: 1.00 Units: mL

Report Date: 10-Dec-2018 11:20:22 Chrom Revision: 2.3 21-Nov-2018 13:56:44

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027613.D

Injection Date: 24-Sep-2018 12:05:01 Instrument ID: CBNAGC2

Lims ID: STD3

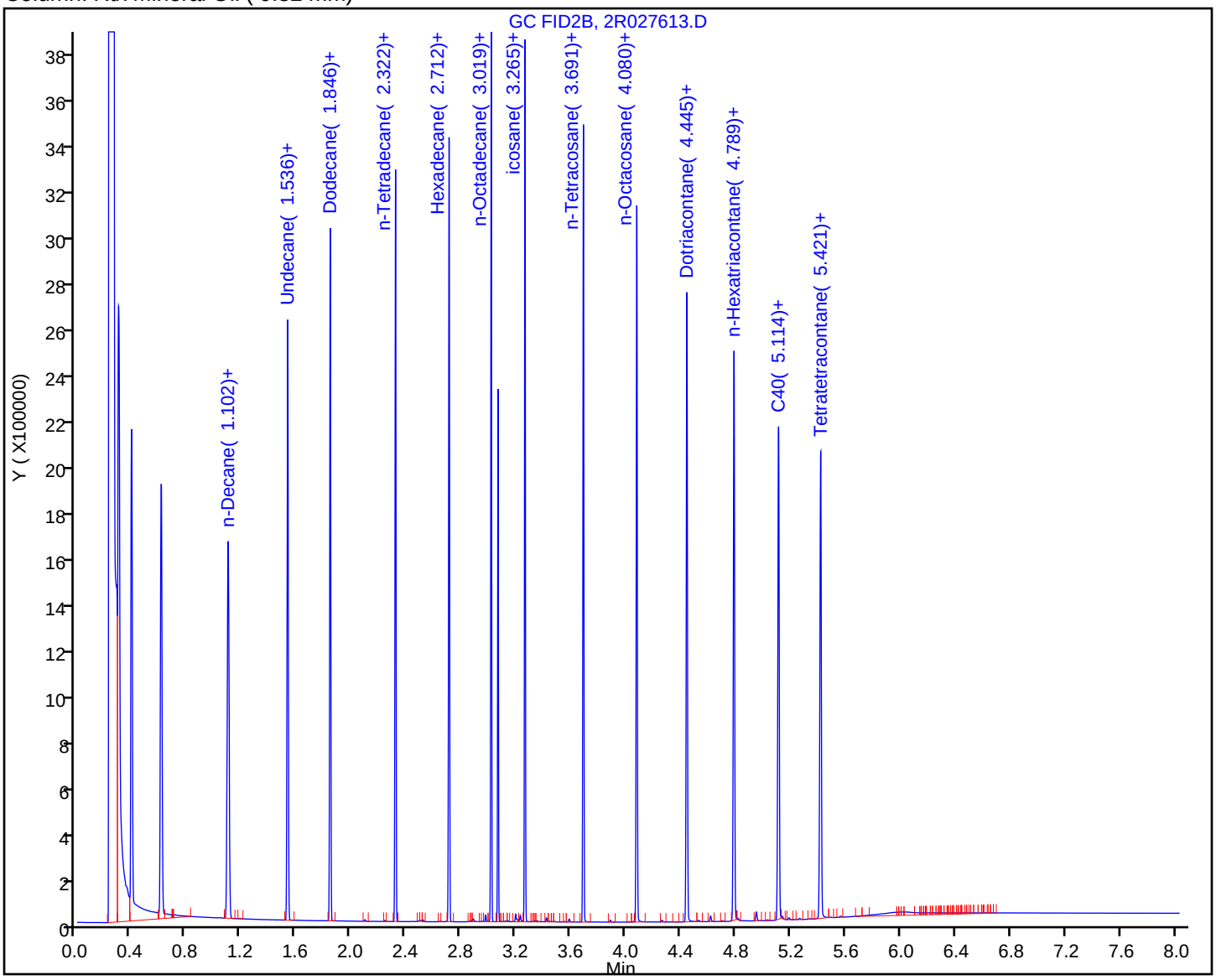
Client ID:

Operator ID: ALS Bottle#: 54 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027614.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Sep-2018 12:17:50 ALS Bottle#: 55 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0079169-005
Operator ID: Instrument ID: CBNAGC2
Sublist: chrom-DRO2R*sub4

Method: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 10-Dec-2018 11:20:23 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0327

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 n-Decane						
	1.104	1.102	0.002	3358340	200.0	180.6	
	18 Undecane						
	1.537	1.536	0.001	3364977	200.0	179.4	
	2 Dodecane						
	1.850	1.846	0.004	3398148	200.0	178.6	
	16 n-Tetradecane						
	2.324	2.322	0.002	3421741	200.0	176.7	
A	5 C10-C28						
	2.591	(1.002-4.180)		31087218	1800.0	1579.0	
	7 Hexadecane						
	2.715	2.712	0.003	3460767	200.0	175.5	
	12 n-Octadecane						
	3.022	3.019	0.003	3451576	200.0	174.1	
$	11 o-Terphenyl						
	3.071	3.069	0.002	1972470	100.0	87.3	
A	9 C10-C44						
	3.261	(1.002-5.521)		44397194	2600.0	2299.0	
	4 icosane						
	3.268	3.265	0.003	3450450	200.0	173.9	
	15 n-Tetracosane						
	3.693	3.691	0.002	3487876	200.0	174.6	
	10 n-Octacosane						
	4.082	4.080	0.002	3463095	200.0	175.6	
	3 Dotriacontane						
	4.447	4.445	0.002	3398804	200.0	176.9	
A	13 C28-C44						
	4.651	(3.780-5.521)		16791036	1000.0	896.5	
	8 n-Hexatriacontane						
	4.792	4.789	0.003	3334398	200.0	178.0	

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
14 C40						
5.117	5.114	0.003	3196851	200.0	179.2	
17 Tetratetracontane						
5.425	5.421	0.004	3213461	200.0	186.5	

Reagents:

SGDROL4test_00001 Amount Added: 1.00 Units: mL

Report Date: 10-Dec-2018 11:20:24 Chrom Revision: 2.3 21-Nov-2018 13:56:44

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027614.D

Injection Date: 24-Sep-2018 12:17:50 Instrument ID: CBNAGC2

Lims ID: STD4

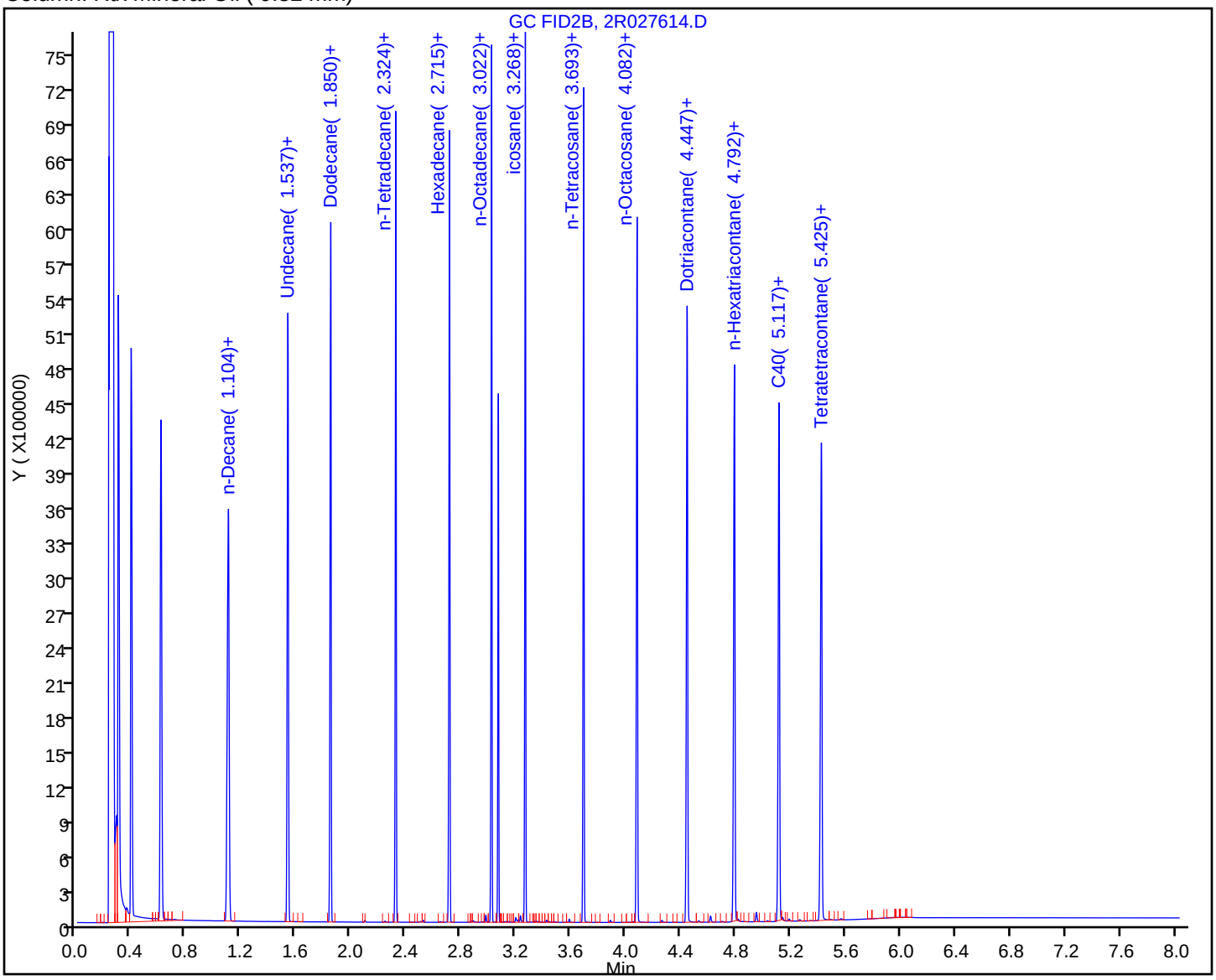
Client ID:

Operator ID: ALS Bottle#: 55 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027615.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Sep-2018 12:30:45 ALS Bottle#: 56 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0079169-006
Operator ID: Instrument ID: CBNAGC2
Sublist: chrom-DRO2R*sub4

Method: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 10-Dec-2018 11:20:24 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0327

First Level Reviewer: mendezb Date: 24-Sep-2018 15:19:40

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 n-Decane						
	1.110	1.102	0.008	8346255	400.0	448.9	
	18 Undecane						
	1.541	1.536	0.005	8476664	400.0	451.9	
	2 Dodecane						
	1.852	1.846	0.006	8643913	400.0	454.2	
	16 n-Tetradecane						
	2.328	2.322	0.006	8784357	400.0	453.5	
A	5 C10-C28						
	2.591	(1.002-4.180)		79154801	3600.0	4020.5	
	7 Hexadecane						
	2.720	2.712	0.008	8890184	400.0	450.8	
	12 n-Octadecane						
	3.026	3.019	0.007	8858015	400.0	446.7	
$	11 o-Terphenyl						
	3.074	3.069	0.005	5059889	200.0	224.0	
A	9 C10-C44						
	3.261	(1.002-5.521)		114009683	5200.0	5903.8	
	4 icosane						
	3.271	3.265	0.006	8836768	400.0	445.3	
	15 n-Tetracosane						
	3.696	3.691	0.005	8890531	400.0	445.2	
	10 n-Octacosane						
	4.085	4.080	0.005	8834226	400.0	448.0	
	3 Dotriacontane						
	4.447	4.445	0.002	8719263	400.0	453.9	
A	13 C28-C44						
	4.651	(3.780-5.521)		43745499	2000.0	2335.6	

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 n-Hexatriacontane						
4.790	4.789	0.001	8688243	400.0	463.9	
14 C40						
5.113	5.114	-0.001	8425225	400.0	472.2	
17 Tetratetracontane						
5.421	5.421	0.000	8548142	400.0	496.2	

Reagents:

SGDROL5test_00001 Amount Added: 1.00 Units: mL

Report Date: 10-Dec-2018 11:20:25 Chrom Revision: 2.3 21-Nov-2018 13:56:44

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027615.D

Injection Date: 24-Sep-2018 12:30:45 Instrument ID: CBNAGC2

Lims ID: STD5

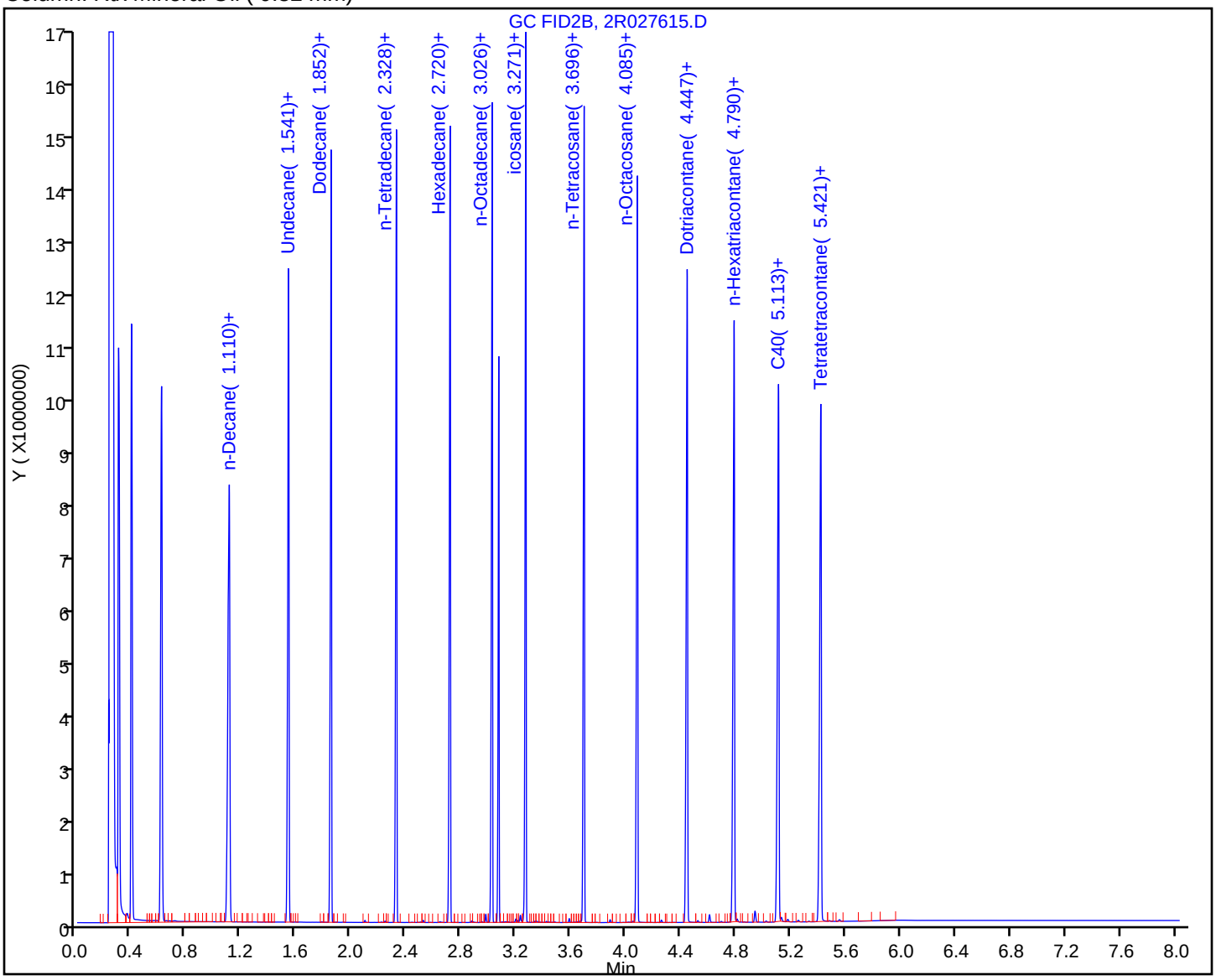
Client ID:

Operator ID: ALS Bottle#: 56 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Sep-2018 14:36:37 ALS Bottle#: 51 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0079169-007
Operator ID: Instrument ID: CBNAGC2
Sublist: chrom-DRO2R*sub4

Method: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 10-Dec-2018 11:20:26 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0327

First Level Reviewer: mendezb Date: 24-Sep-2018 15:23:52

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 n-Decane						
	1.099	1.102	-0.003	154881	8.00	8.33	
	18 Undecane						
	1.534	1.536	-0.002	156696	8.00	8.35	
	2 Dodecane						
	1.843	1.846	-0.003	158783	8.00	8.34	
	16 n-Tetradecane						
	2.319	2.322	-0.003	163734	8.00	8.45	
A	5 C10-C28						
	2.591	(1.002-4.180)		1534029	72.0	77.9	
	7 Hexadecane						
	2.710	2.712	-0.002	168424	8.00	8.54	
	12 n-Octadecane						
	3.016	3.019	-0.003	173172	8.00	8.73	
$	11 o-Terphenyl						
	3.066	3.069	-0.003	97802	4.00	4.33	
A	9 C10-C44						
	3.261	(1.002-5.521)		2124125	104.0	110.0	
	4 icosane						
	3.263	3.265	-0.002	173568	8.00	8.75	
	15 n-Tetracosane						
	3.692	3.691	0.001	173201	8.00	8.67	
	10 n-Octacosane						
	4.083	4.080	0.003	168929	8.00	8.57	
	3 Dotriacontane						
	4.448	4.445	0.003	161985	8.00	8.43	
A	13 C28-C44						
	4.651	(3.780-5.521)		759025	40.0	40.5	

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 n-Hexatriacontane						
4.790	4.789	0.001	155266	8.00	8.29	
14 C40						
5.113	5.114	-0.001	144276	8.00	8.09	
17 Tetratetracontane						
5.420	5.421	-0.001	124604	8.00	7.23	

Reagents:

SGDROL1test_00001 Amount Added: 1.00 Units: mL

Report Date: 10-Dec-2018 11:20:26 Chrom Revision: 2.3 21-Nov-2018 13:56:44

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Injection Date: 24-Sep-2018 14:36:37 Instrument ID: CBNAGC2

Lims ID: STD1

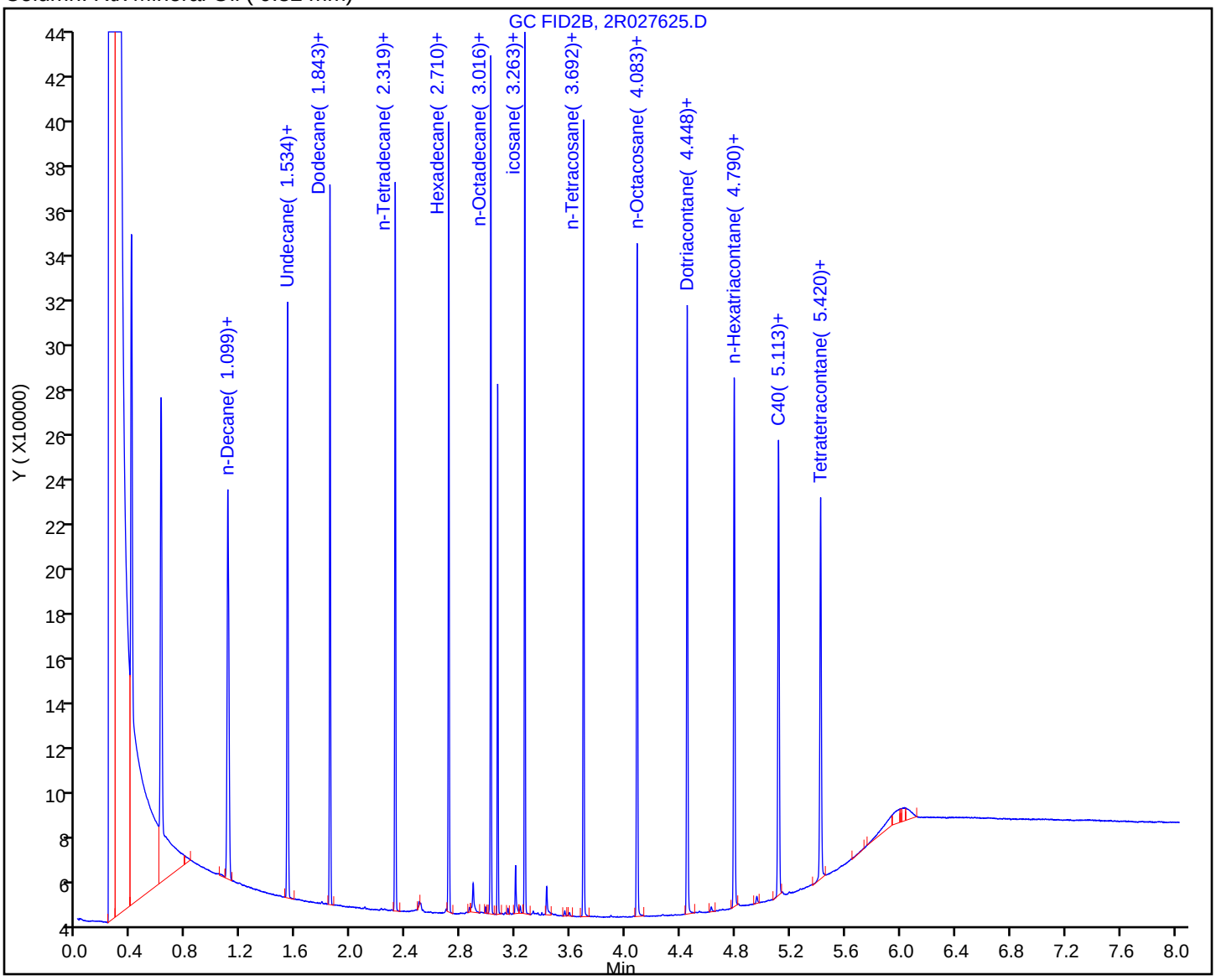
Client ID:

Operator ID: ALS Bottle#: 51 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 494622

SDG No.:

Instrument ID: CBNAGC3 GC Column: Rtx-Mineral ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2018 14:19 Calibration End Date: 02/02/2018 15:08 Calibration ID: 66406

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-494622/3	3F015196.D
Level 2	STD2 460-494622/4	3F015197.D
Level 3	STD3 460-494622/5	3F015198.D
Level 4	STD4 460-494622/6	3F015199.D
Level 5	STD5 460-494622/7	3F015200.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
#2 Diesel Fuel	3.101	3.101	3.101	3.101	3.101						1.820 - 4.382	3.101
o-Terphenyl	3.476	3.476	3.474	3.474	3.475						3.424 - 3.524	3.475

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 494622

SDG No.:

Instrument ID: CBNAGC3 GC Column: Rtx-Mineral ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2018 14:19 Calibration End Date: 02/02/2018 15:08 Calibration ID: 66406

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-494622/3	3F015196.D
Level 2	STD2 460-494622/4	3F015197.D
Level 3	STD3 460-494622/5	3F015198.D
Level 4	STD4 460-494622/6	3F015199.D
Level 5	STD5 460-494622/7	3F015200.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
#2 Diesel Fuel	6147.4 6030.5	5412.0	5485.1	5732.3	Ave		5761.43780				5.6		20.0			
o-Terphenyl	6687.3 7410.8	6880.2	6837.1	7081.8	Ave		6979.42500				4.0		20.0			

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

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1 Analy Batch No.: 494622

SDG No.:

Instrument ID: CBNAGC3 GC Column: Rtx-Mineral ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2018 14:19 Calibration End Date: 02/02/2018 15:08 Calibration ID: 66406

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-494622/3	3F015196.D
Level 2	STD2 460-494622/4	3F015197.D
Level 3	STD3 460-494622/5	3F015198.D
Level 4	STD4 460-494622/6	3F015199.D
Level 5	STD5 460-494622/7	3F015200.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
#2 Diesel Fuel	Ave	614741	2705978	5485057	14330709	30152412	100	500	1000	2500	5000
o-Terphenyl	Ave	26749	137604	273484	708175	1482165	4.00	20.0	40.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015196.D				
Lims ID:	STD1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	02-Feb-2018 14:19:03	ALS Bottle#:	7	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0066970-003				
Operator ID:	615	Instrument ID:	CBNAGC3		
Sublist:	chrom-DRO3F*sub6				
Method:	\\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\DRO3F.m				
Limit Group:	GC 8015C DRO ICAL				
Last Update:	12-Jun-2018 12:28:29	Calib Date:	02-Feb-2018 15:08:43		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D				
Column 1 :	Rtx Mineral Oil (0.32 mm)		Det: GC FID1A		
Process Host:	XAWRK019				

First Level Reviewer: zhangyi Date: 04-Feb-2018 09:36:48

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A	2 #2 Diesel Fuel						
	3.101	(1.820-4.382)		614741	100.0	106.7	
$	4 o-Terphenyl						
	3.476	3.474	0.002	26749	4.00	3.83	

Reagents:

SGDROL1_00010 Amount Added: 1.00 Units: mL

Report Date: 12-Jun-2018 12:28:30 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015196.D

Injection Date: 02-Feb-2018 14:19:03 Instrument ID: CBNAGC3

Lims ID: STD1

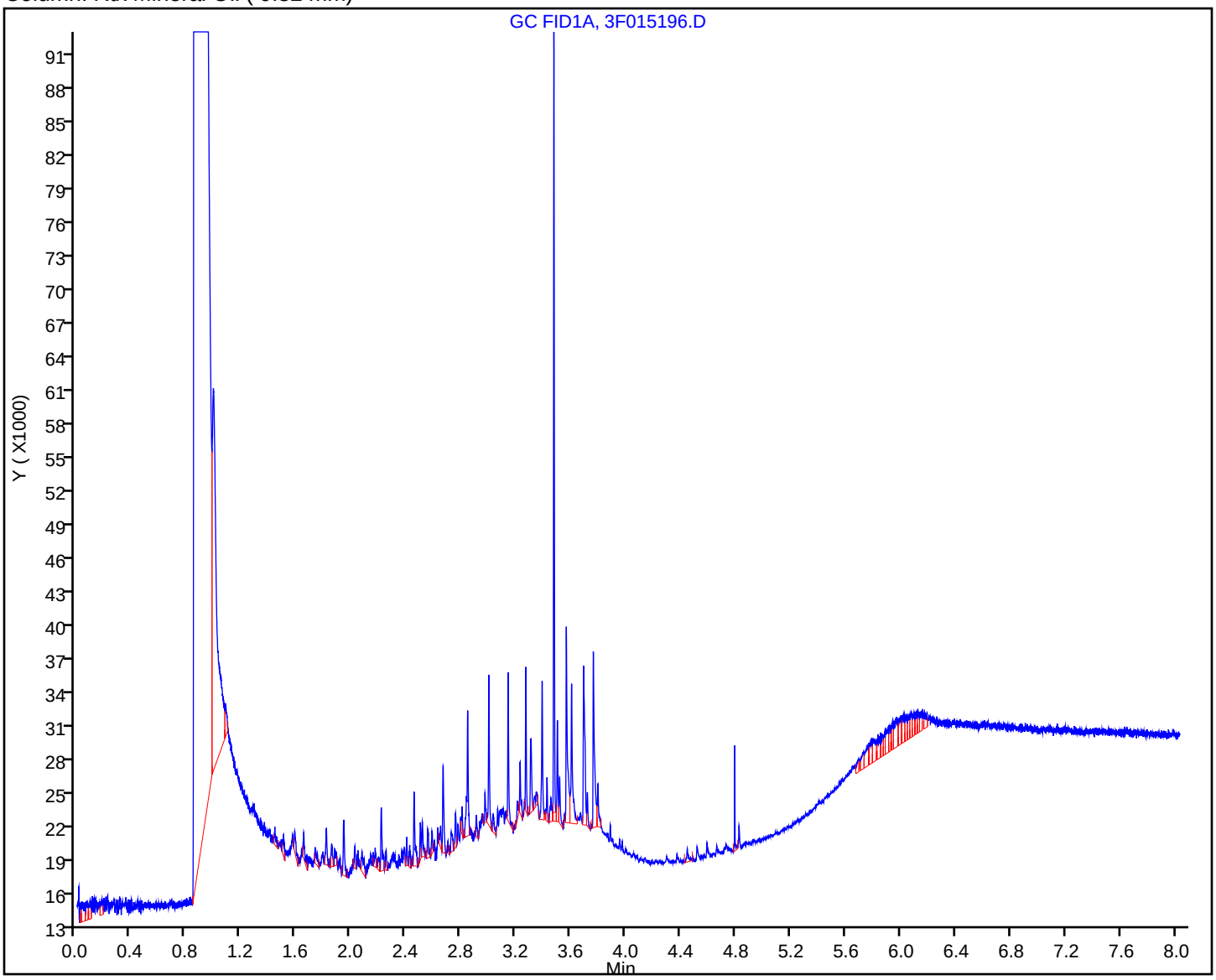
Client ID:

Operator ID: 615 ALS Bottle#: 7 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015197.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 02-Feb-2018 14:31:35 ALS Bottle#: 8 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0066970-004
Operator ID: 615 Instrument ID: CBNAGC3
Sublist: chrom-DRO3F*sub6

Method: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 12-Jun-2018 12:28:30 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: XAWRK019

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A 2 #2 Diesel Fuel						
3.101	(1.820-4.382)		2705978	500.0	469.7	
$ 4 o-Terphenyl						
3.476	3.474	0.002	137604	20.0	19.7	

Reagents:

SGDROL2_00011 Amount Added: 1.00 Units: mL

Report Date: 12-Jun-2018 12:28:31 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015197.D

Injection Date: 02-Feb-2018 14:31:35 Instrument ID: CBNAGC3

Lims ID: STD2

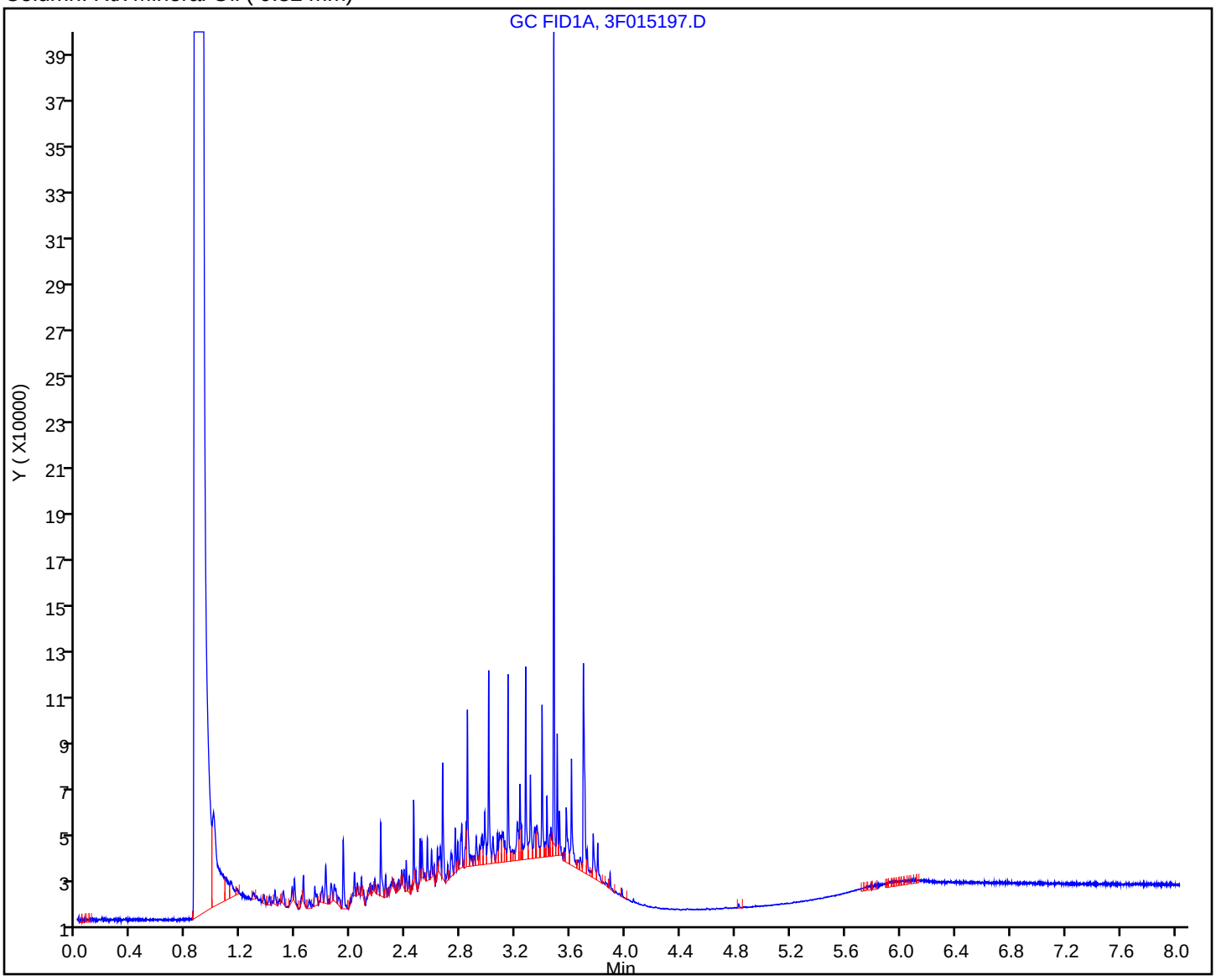
Client ID:

Operator ID: 615 ALS Bottle#: 8 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015198.D
Lims ID: STD3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 02-Feb-2018 14:43:57 ALS Bottle#: 9 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0066970-005
Operator ID: 615 Instrument ID: CBNAGC3
Sublist: chrom-DRO3F*sub6

Method: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 12-Jun-2018 12:28:32 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: XAWRK019

First Level Reviewer: nimerd Date: 12-Jun-2018 12:27:39

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A 2 #2 Diesel Fuel						
3.101 (1.820-4.382)			5485057	1000.0	952.0	
$ 4 o-Terphenyl						
3.474	3.474	0.000	273484	40.0	39.2	

Reagents:

SGDROL3_00012 Amount Added: 1.00 Units: mL

Report Date: 12-Jun-2018 12:28:33 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015198.D

Injection Date: 02-Feb-2018 14:43:57 Instrument ID: CBNAGC3

Lims ID: STD3

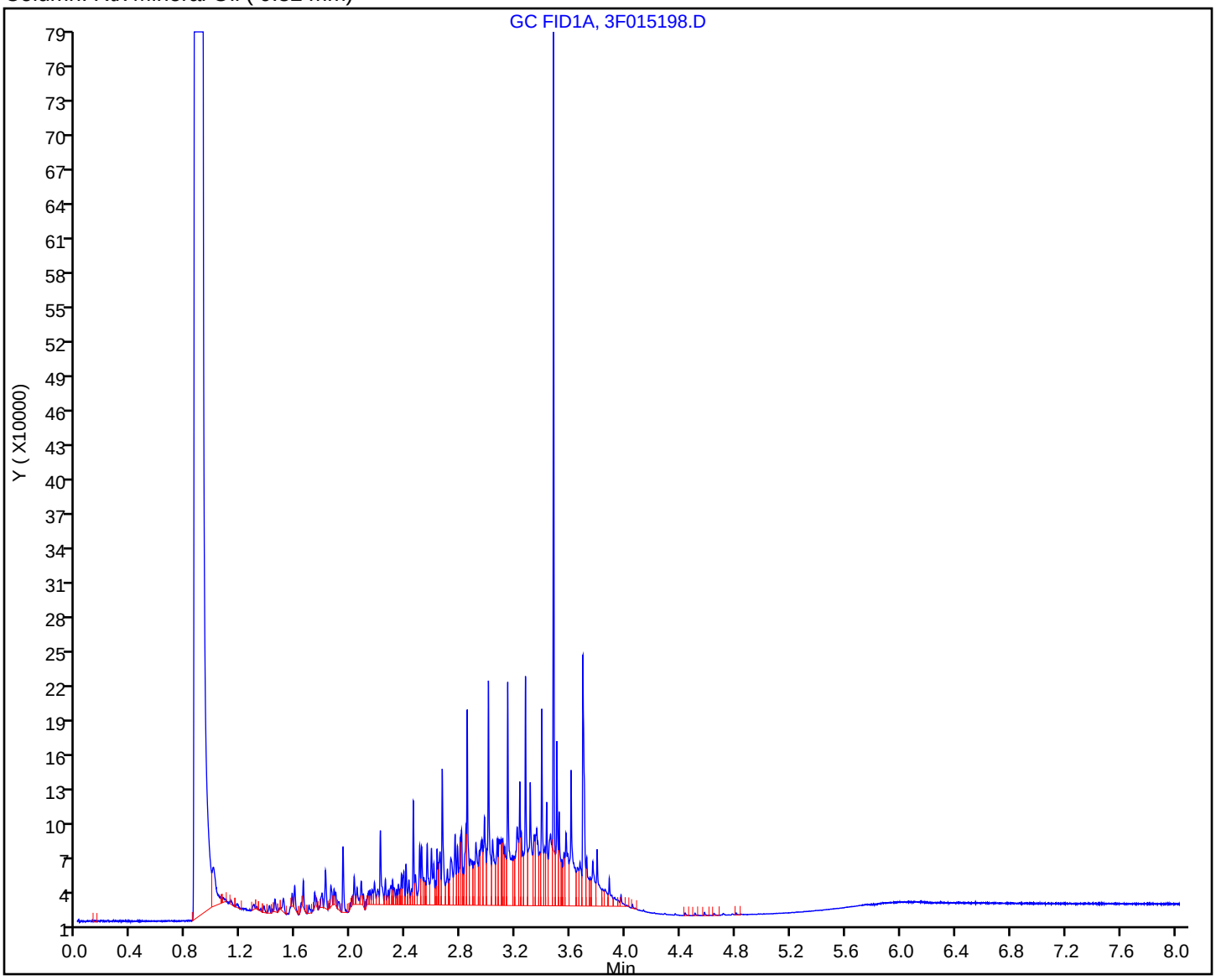
Client ID:

Operator ID: 615 ALS Bottle#: 9 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015199.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 02-Feb-2018 14:56:19 ALS Bottle#: 10 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0066970-006
Operator ID: 615 Instrument ID: CBNAGC3
Sublist: chrom-DRO3F*sub6

Method: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 12-Jun-2018 12:28:33 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: XAWRK019

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A 2 #2 Diesel Fuel						
3.101	(1.820-4.382)		14330709	2500.0	2487.3	
$ 4 o-Terphenyl						
3.474	3.474	0.000	708175	100.0	101.5	

Reagents:

SGDROL4_00011 Amount Added: 1.00 Units: mL

Report Date: 12-Jun-2018 12:28:34 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015199.D

Injection Date: 02-Feb-2018 14:56:19 Instrument ID: CBNAGC3

Lims ID: STD4

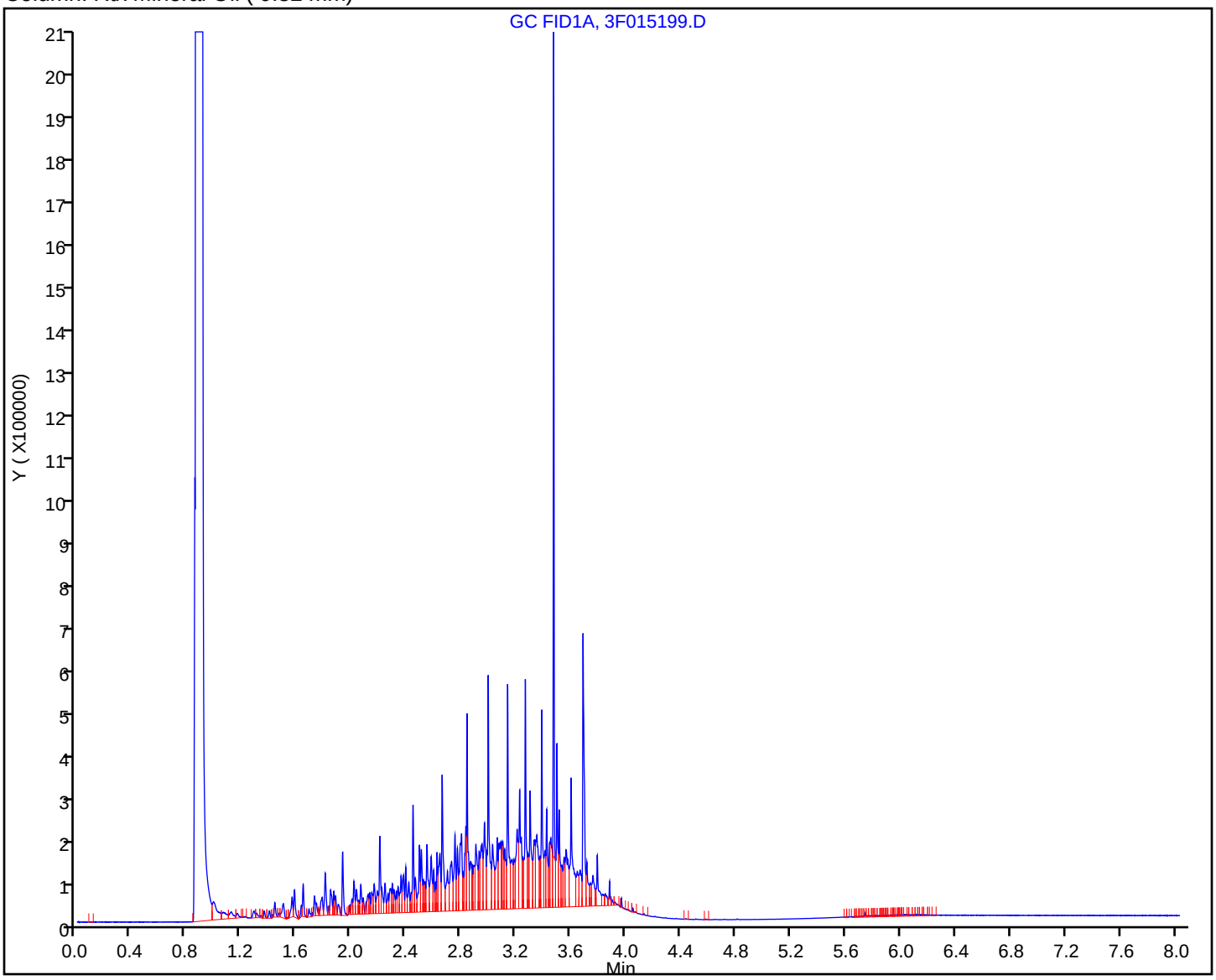
Client ID:

Operator ID: 615 ALS Bottle#: 10 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 02-Feb-2018 15:08:43 ALS Bottle#: 11 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0066970-007
Operator ID: 615 Instrument ID: CBNAGC3
Sublist: chrom-DRO3F*sub6

Method: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 12-Jun-2018 12:28:35 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: XAWRK019

First Level Reviewer: zhangyi Date: 04-Feb-2018 09:38:45

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A	2 #2 Diesel Fuel						
	3.101	(1.820-4.382)		30152412	5000.0	5233.5	
$	4 o-Terphenyl						
	3.475	3.474	0.001	1482165	200.0	212.4	

Reagents:

SGDROL5_00012 Amount Added: 1.00 Units: mL

Report Date: 12-Jun-2018 12:28:36 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Injection Date: 02-Feb-2018 15:08:43 Instrument ID: CBNAGC3

Lims ID: STD5

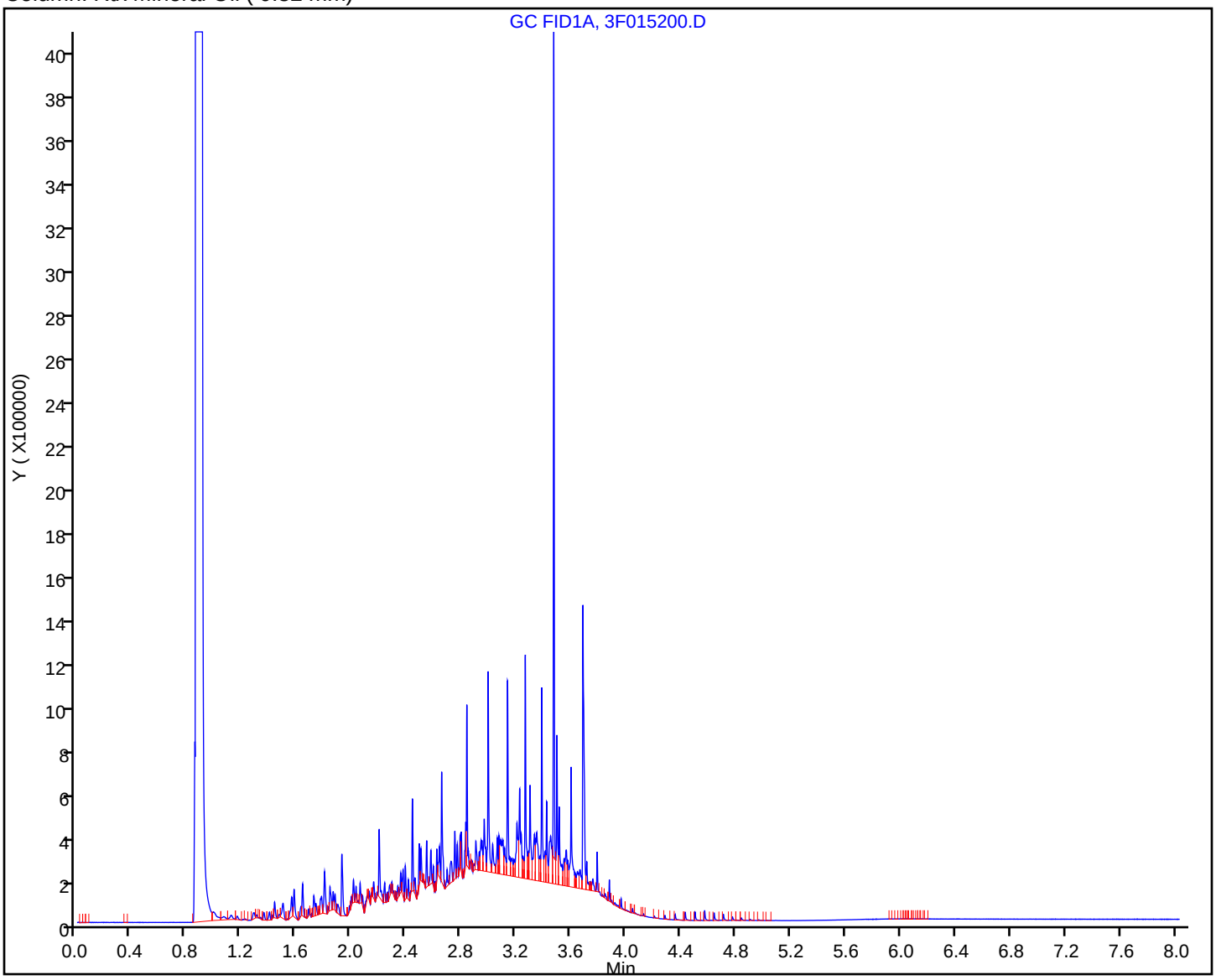
Client ID:

Operator ID: 615 ALS Bottle#: 11 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCV 460-659945/2 Calibration Date: 12/04/2019 13:54

Instrument ID: CBNAGC2 Calib Start Date: 09/24/2018 11:52

GC Column: Rtx-Mineral Oil ID: 0.32(mm) Calib End Date: 09/24/2018 14:36

Lab File ID: 2R036483.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10-C28]	Ave	19688	21563		789	720	9.5	20.0
C10-C44	Ave	19311	20854		1120	1040	8.0	20.0
C28-C44	Ave	18730	19963		426	400	6.6	20.0
o-Terphenyl	Ave	22584	24689		43.7	40.0	9.3	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCV 460-659945/2 Calibration Date: 12/04/2019 13:54

Instrument ID: CBNAGC2 Calib Start Date: 09/24/2018 11:52

GC Column: Rtx-Mineral Oil ID: 0.32(mm) Calib End Date: 09/24/2018 14:36

Lab File ID: 2R036483.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10-C28]	2.74	1.16	4.33
C10-C44	3.48	1.16	5.81
C28-C44	4.87	3.93	5.81
o-Terphenyl	3.14	3.09	3.19

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036483.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 04-Dec-2019 13:54:47 ALS Bottle#: 55 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CBNAGC2
Sublist: chrom-DRO2R*sub4

Method: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 04-Dec-2019 15:34:29 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0332

First Level Reviewer: mendezb Date: 04-Dec-2019 14:09:04

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 n-Decane						
	1.255	1.255	0.000	1604822	80.0	86.3	
	18 Undecane						
	1.637	1.637	0.000	1615382	80.0	86.1	
	2 Dodecane						
	1.927	1.927	0.000	1641311	80.0	86.2	
	16 n-Tetradecane						
	2.391	2.391	0.000	1679057	80.0	86.7	
A	5 C10-C28						
	2.743	(1.155-4.331)		15525092	720.0	788.6	
	7 Hexadecane						
	2.778	2.778	0.000	1716480	80.0	87.0	
	12 n-Octadecane						
	3.081	3.081	0.000	1719756	80.0	86.7	
$	11 o-Terphenyl						
	3.136	3.136	0.000	987560	40.0	43.7	
	4 icosane						
	3.337	3.337	0.000	1727567	80.0	87.1	
A	9 C10-C44						
	3.483	(1.155-5.811)		21688106	1040.0	1123.1	
	15 n-Tetracosane						
	3.800	3.800	0.000	1712127	80.0	85.7	
	10 n-Octacosane						
	4.231	4.231	0.000	1764158	80.0	89.5	
	3 Dotriacontane						
	4.636	4.636	0.000	1569825	80.0	81.7	
A	13 C28-C44						
	4.871	(3.931-5.811)		7985271	400.0	426.3	

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 n-Hexatriacontane						
5.017	5.017	0.000	1526978	80.0	81.5	
14 C40						
5.374	5.374	0.000	1446849	80.0	81.1	
17 Tetratetracontane						
5.711	5.711	0.000	1412049	80.0	82.0	

Reagents:

SGDROL3test_00002 Amount Added: 1.00 Units: mL

Report Date: 04-Dec-2019 15:34:30 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036483.D

Injection Date: 04-Dec-2019 13:54:47 Instrument ID: CBNAGC2

Lims ID: CCV

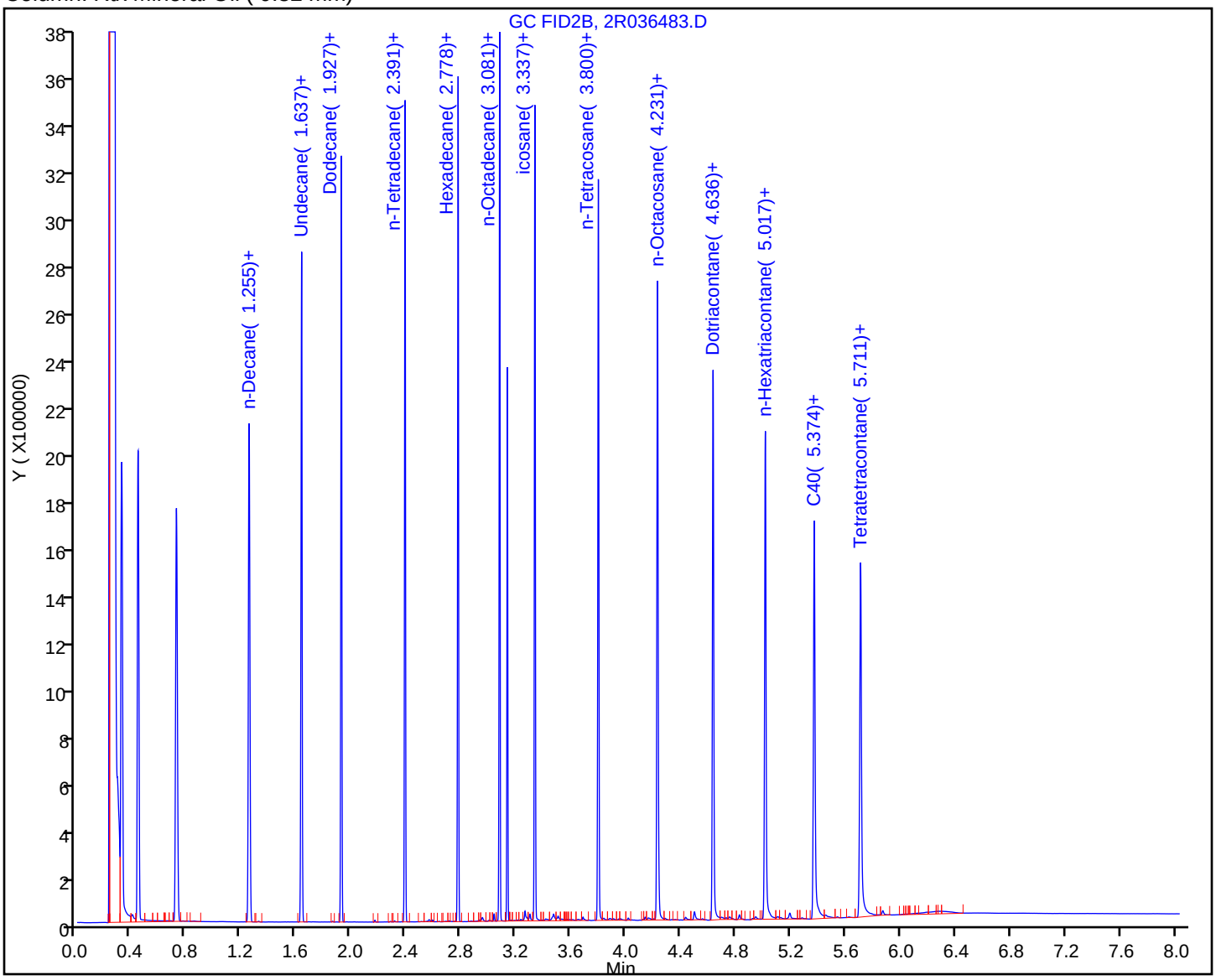
Client ID:

Operator ID: ALS Bottle#: 55 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCV 460-659945/11 Calibration Date: 12/04/2019 16:04

Instrument ID: CBNAGC2 Calib Start Date: 09/24/2018 11:52

GC Column: Rtx-Mineral Oil ID: 0.32(mm) Calib End Date: 09/24/2018 14:36

Lab File ID: 2R036492.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10-C28]	Ave	19688	19232		703	720	-2.3	20.0
C10-C44	Ave	19311	18759		1010	1040	-2.9	20.0
C28-C44	Ave	18730	17998		384	400	-3.9	20.0
o-Terphenyl	Ave	22584	22386		39.6	40.0	-0.9	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCV 460-659945/11 Calibration Date: 12/04/2019 16:04

Instrument ID: CBNAGC2 Calib Start Date: 09/24/2018 11:52

GC Column: Rtx-Mineral Oil ID: 0.32(mm) Calib End Date: 09/24/2018 14:36

Lab File ID: 2R036492.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10-C28]	2.74	1.16	4.33
C10-C44	3.48	1.16	5.81
C28-C44	4.87	3.93	5.81
o-Terphenyl	3.11	3.09	3.19

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036492.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 04-Dec-2019 16:04:08 ALS Bottle#: 64 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CBNAGC2
Sublist: chrom-DRO2R*sub4

Method: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 04-Dec-2019 16:19:16 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0332

First Level Reviewer: mendezb Date: 04-Dec-2019 16:19:06

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 n-Decane						a
	1.200	1.255	-0.055	1448290	80.0	77.9	a
	18 Undecane						a
	1.593	1.637	-0.044	1469591	80.0	78.4	a
	2 Dodecane						
	1.889	1.927	-0.038	1506232	80.0	79.1	
	16 n-Tetradecane						
	2.359	2.391	-0.032	1541786	80.0	79.6	
A	5 C10-C28						a
	2.743	(1.155-4.331)		13847229	720.0	703.3	a
	7 Hexadecane						
	2.747	2.778	-0.031	1566226	80.0	79.4	
	12 n-Octadecane						a
	3.053	3.081	-0.028	1556984	80.0	78.5	a
$	11 o-Terphenyl						a
	3.108	3.136	-0.028	895449	40.0	39.6	a
	4 icosane						
	3.311	3.337	-0.026	1550318	80.0	78.1	
A	9 C10-C44						a
	3.483	(1.155-5.811)		19509596	1040.0	1010.3	a
	15 n-Tetracosane						
	3.772	3.800	-0.028	1553246	80.0	77.8	
	10 n-Octacosane						
	4.198	4.231	-0.033	1528934	80.0	77.5	
	3 Dotriacontane						
	4.598	4.636	-0.038	1464112	80.0	76.2	
A	13 C28-C44						a
	4.871	(3.931-5.811)		7199053	400.0	384.4	a

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 n-Hexatriacontane						
4.974	5.017	-0.043	1405282	80.0	75.0	
14 C40						a
5.331	5.374	-0.043	1368834	80.0	76.7	a
17 Tetratetracontane						
5.669	5.711	-0.042	1360474	80.0	79.0	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SGDROL3test_00002 Amount Added: 1.00 Units: mL

Report Date: 04-Dec-2019 16:19:18 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036492.D

Injection Date: 04-Dec-2019 16:04:08 Instrument ID: CBNAGC2

Lims ID: CCV

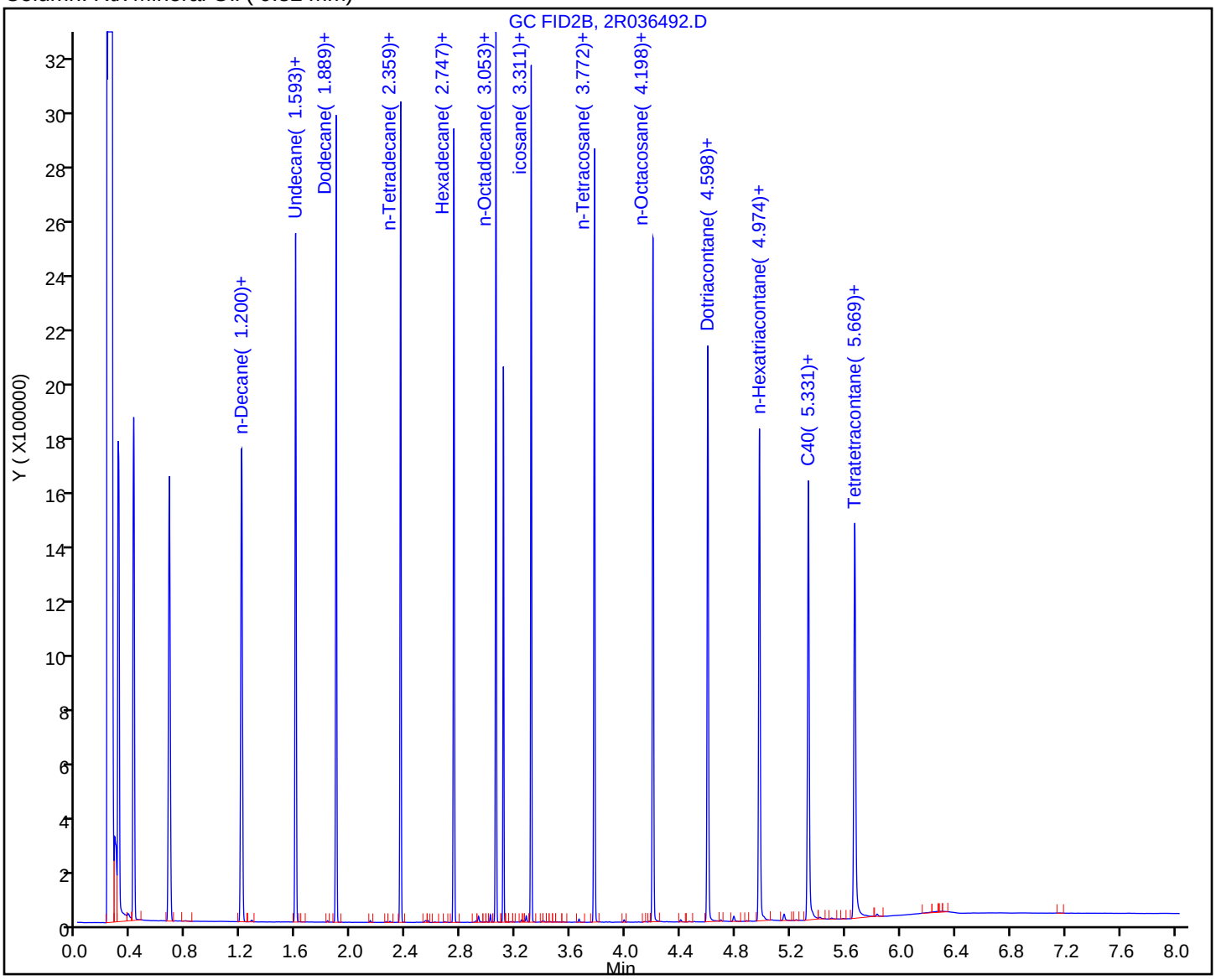
Client ID:

Operator ID: ALS Bottle#: 64 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCV 460-659678/3 Calibration Date: 12/03/2019 10:11

Instrument ID: CBNAGC3 Calib Start Date: 02/02/2018 14:19

GC Column: Rtx-Mineral Oil ID: 0.32(mm) Calib End Date: 02/02/2018 15:08

Lab File ID: 3F019219.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel Fuel	Ave	5761	6306		1090	1000	9.4	20.0
o-Terphenyl	Ave	6979	6976		40.0	40.0	-0.0	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCV 460-659678/3 Calibration Date: 12/03/2019 10:11

Instrument ID: CBNAGC3 Calib Start Date: 02/02/2018 14:19

GC Column: Rtx-Mineral Oil ID: 0.32(mm) Calib End Date: 02/02/2018 15:08

Lab File ID: 3F019219.D

Analyte	RT	RT WINDOW	
		FROM	TO
#2 Diesel Fuel	3.51	2.15	4.87
o-Terphenyl	3.83	3.78	3.88

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019219.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 03-Dec-2019 10:11:34 ALS Bottle#: 5 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102197-003
Operator ID: 615 Instrument ID: CBNAGC3
Sublist: chrom-DRO3F*sub10

Method: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 03-Dec-2019 10:29:32 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0324

First Level Reviewer: mendezb Date: 03-Dec-2019 10:29:25

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A	2 #2 Diesel Fuel						
	3.511	(2.147-4.874)		6305874	1000.0	1094.5	
$	4 o-Terphenyl						
	3.829	3.829	0.000	279058	40.0	40.0	
A	9 C28-C44						
	5.591	(4.874-6.307)		909419	1000.0	157.8	

Reagents:

SGDROL3_00017 Amount Added: 1.00 Units: mL

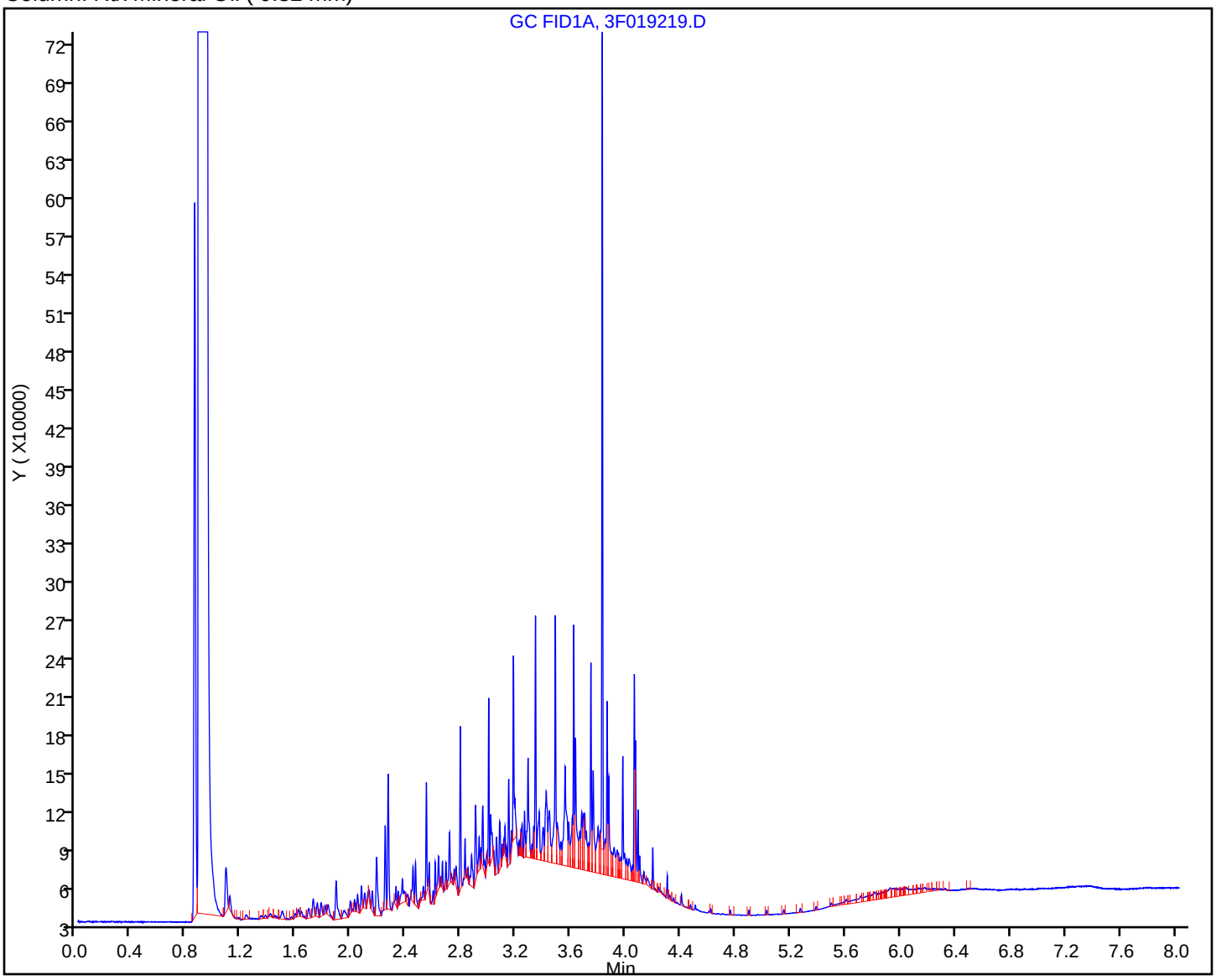
Report Date: 03-Dec-2019 10:29:32 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019219.D

Injection Date:	03-Dec-2019 10:11:34	Instrument ID:	CBNAGC3		
Lims ID:	CCV				
Client ID:					
Operator ID:	615	ALS Bottle#:	5	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		

Column: Rtx Mineral Oil (0.32 mm)



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCV 460-659678/13 Calibration Date: 12/03/2019 12:20

Instrument ID: CBNAGC3 Calib Start Date: 02/02/2018 14:19

GC Column: Rtx-Mineral Oil ID: 0.32(mm) Calib End Date: 02/02/2018 15:08

Lab File ID: 3F019229.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel Fuel	Ave	5761	5914		1030	1000	2.6	20.0
o-Terphenyl	Ave	6979	6530		37.4	40.0	-6.4	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Lab Sample ID: CCV 460-659678/13 Calibration Date: 12/03/2019 12:20

Instrument ID: CBNAGC3 Calib Start Date: 02/02/2018 14:19

GC Column: Rtx-Mineral Oil ID: 0.32(mm) Calib End Date: 02/02/2018 15:08

Lab File ID: 3F019229.D

Analyte	RT	RT WINDOW	
		FROM	TO
#2 Diesel Fuel	3.51	2.15	4.87
o-Terphenyl	3.83	3.78	3.88

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019229.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 03-Dec-2019 12:20:16 ALS Bottle#: 5 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102197-013
Operator ID: 615 Instrument ID: CBNAGC3
Sublist: chrom-DRO3F*sub10

Method: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 03-Dec-2019 12:28:55 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0324

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A	2 #2 Diesel Fuel						
	3.511	(2.147-4.874)		5913601	1000.0	1026.4	
$	4 o-Terphenyl						
	3.831	3.829	0.002	261180	40.0	37.4	
A	9 C28-C44						
	5.591	(4.874-6.307)		844506	1000.0	146.6	

Reagents:

SGDROL3_00017 Amount Added: 1.00 Units: mL

Report Date: 03-Dec-2019 12:28:55 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019229.D

Injection Date: 03-Dec-2019 12:20:16 Instrument ID: CBNAGC3

Lims ID: CCV

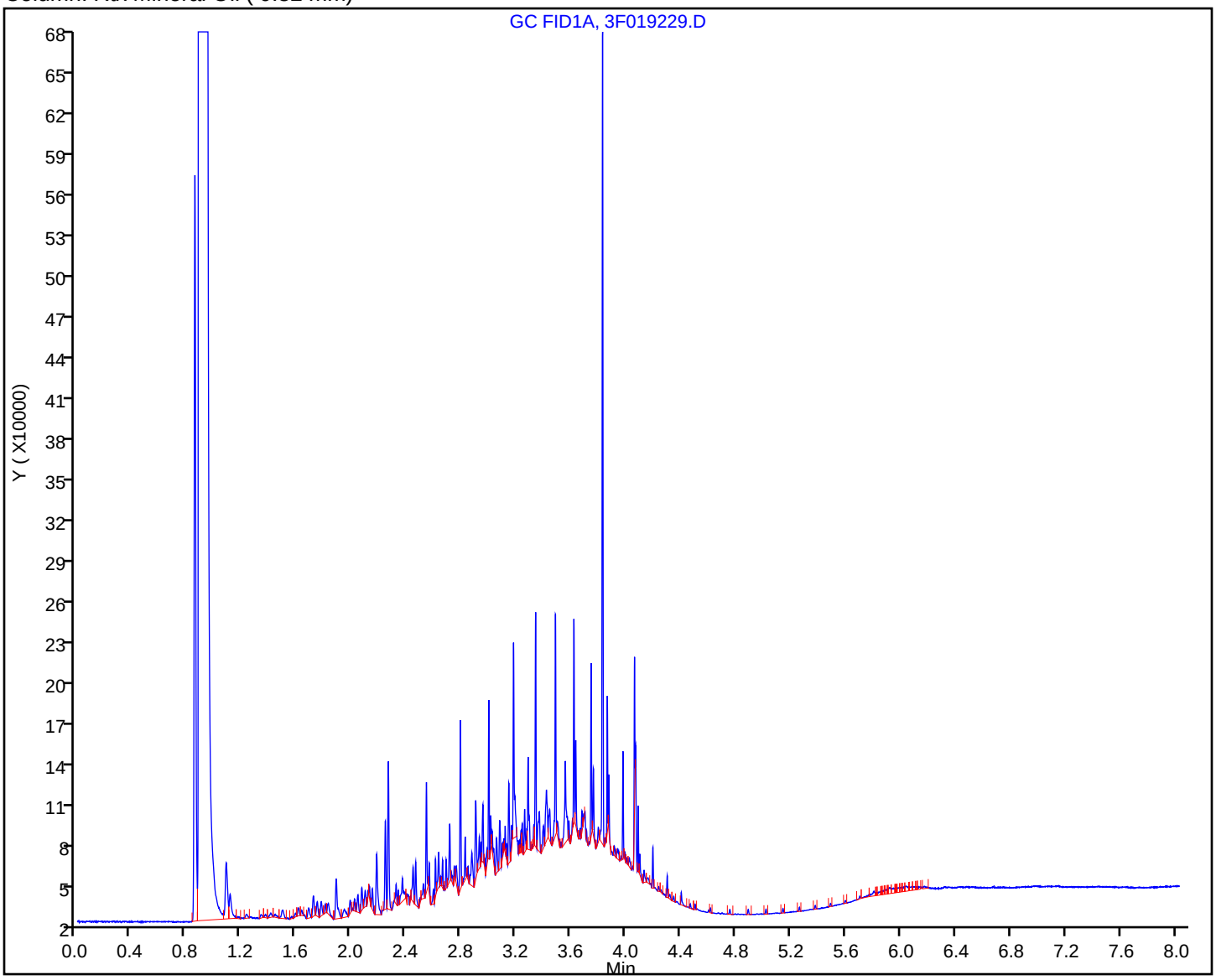
Client ID:

Operator ID: 615 ALS Bottle#: 5 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-659612/1-A

Matrix: Solid Lab File ID: 3F019220.D

Analysis Method: 8015D Date Collected:

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 10:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	0.84	U	6.7	0.84
STL00816	C10-C44	0.84	U	8.7	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	106		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019220.D
Lims ID: MB 460-659612/1-A
Client ID:
Sample Type: MB
Inject. Date: 03-Dec-2019 10:24:20 ALS Bottle#: 6 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102197-004
Operator ID: 615 Instrument ID: CBNAGC3

Method: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 03-Dec-2019 10:49:22 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0324

First Level Reviewer: mendezb Date: 03-Dec-2019 10:49:22

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 o-Terphenyl						
3.833	3.829	0.004	147338	20.0	21.1	
8 Qualitative Method						
5.705	5.343	0.362	1937		NC	
7 Tetratetracontane						
6.338	6.207	0.131	1696		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Report Date: 03-Dec-2019 10:49:50 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019220.D

Injection Date: 03-Dec-2019 10:24:20 Instrument ID: CBNAGC3

Lims ID: MB 460-659612/1-A

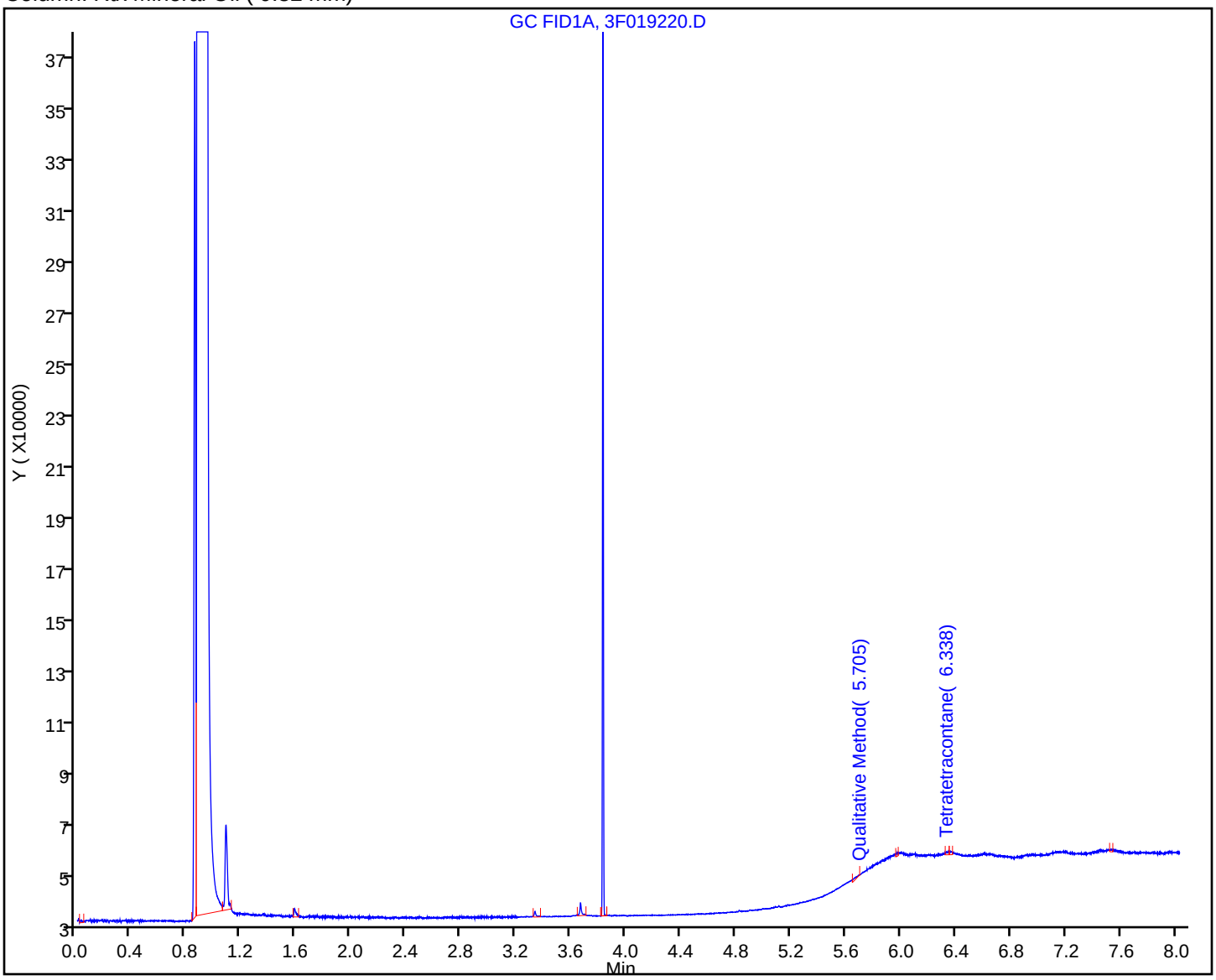
Client ID:

Operator ID: 615 ALS Bottle#: 6 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



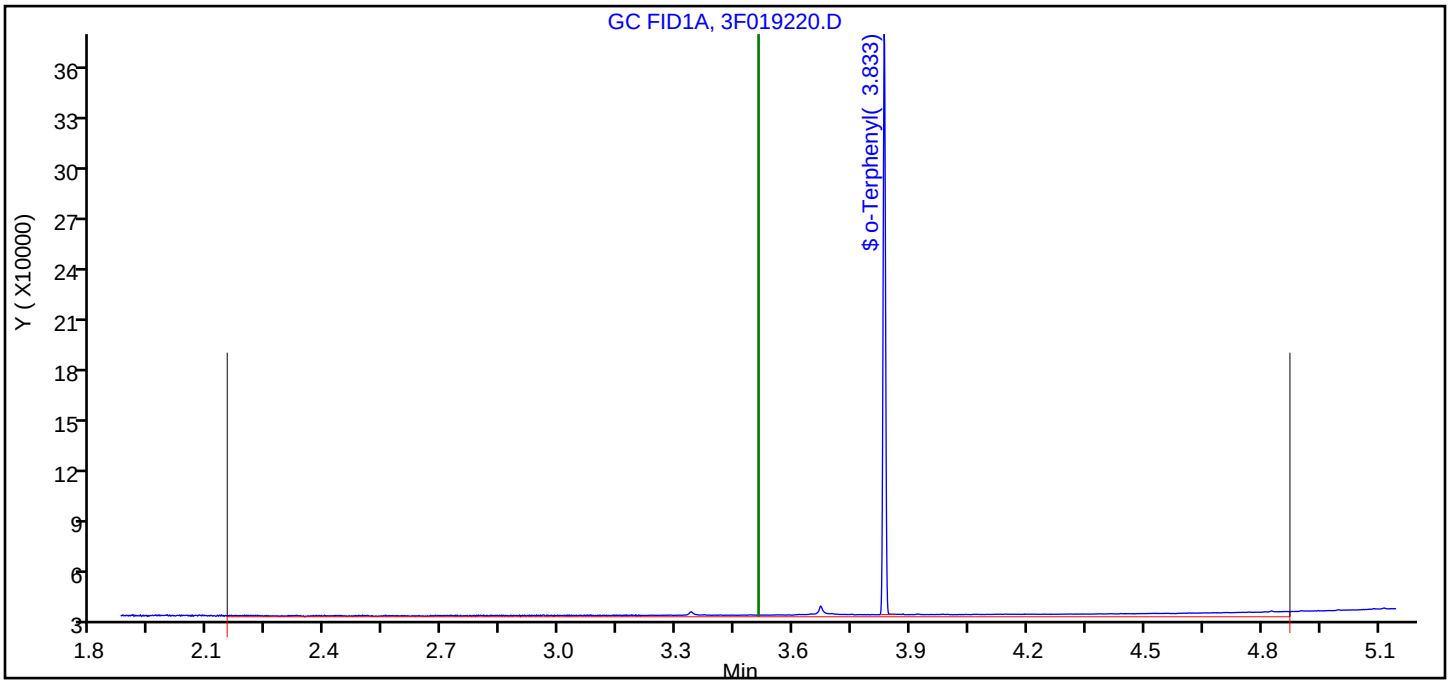
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019220.D				
Injection Date:	03-Dec-2019 10:24:20	Instrument ID:	CBNAGC3		
Lims ID:	MB 460-659612/1-A				
Client ID:					
Operator ID:	615	ALS Bottle#:	6	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 2 #2 Diesel Fuel, CAS: 68334-30-5

Processing Results



Exp RT	RT	Response	Amount
3.51	3.51	196584	34.120650

Reviewer: mendezb, 03-Dec-2019 10:49:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

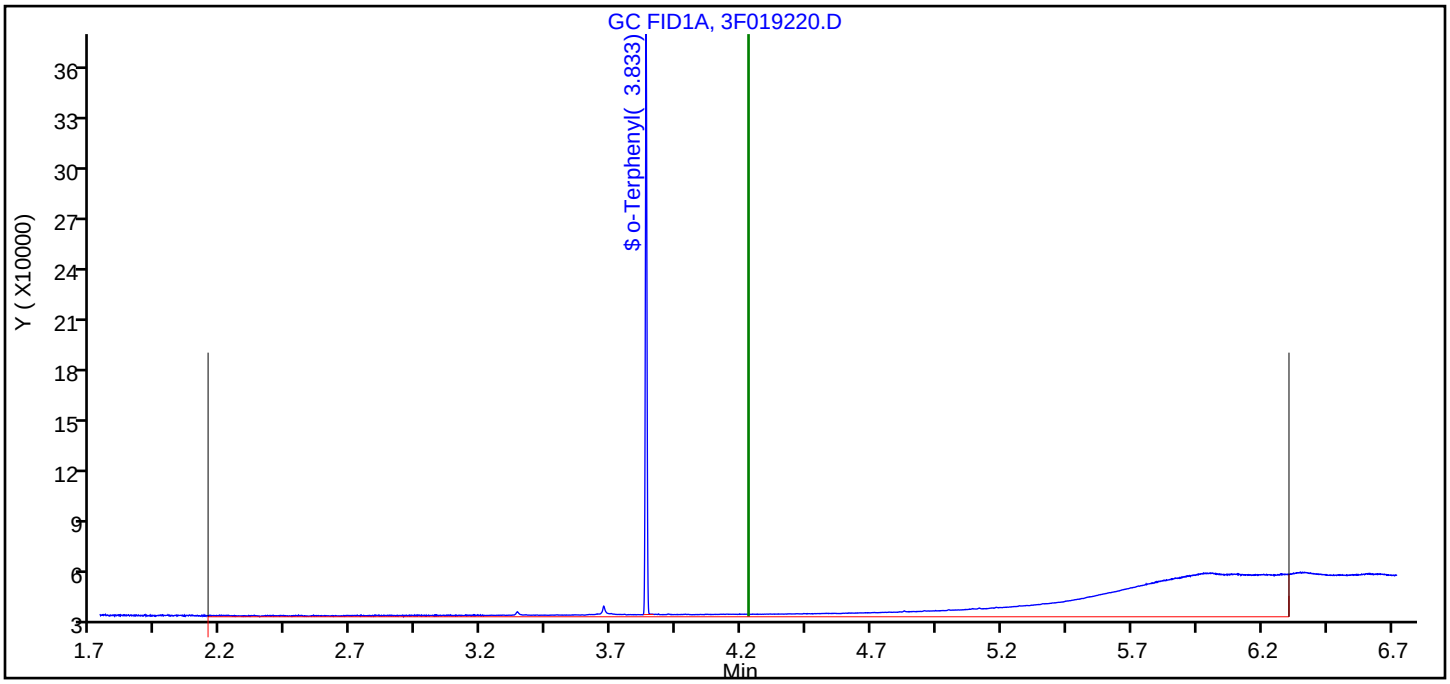
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019220.D				
Injection Date:	03-Dec-2019 10:24:20	Instrument ID:	CBNAGC3		
Lims ID:	MB 460-659612/1-A				
Client ID:					
Operator ID:	615	ALS Bottle#:	6	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 5 C10-C44, CAS: STL00816

Processing Results



Exp RT	RT	Response	Amount
4.23	4.23	1409040	244.5640

Reviewer: mendezb, 03-Dec-2019 10:49:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-659612/1-A

Matrix: Solid Lab File ID: 2R036484.D

Analysis Method: 8015D Date Collected:

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/04/2019 14:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	0.84	U	6.7	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036484.D
Lims ID: MB 460-659612/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-Dec-2019 14:10:25 ALS Bottle#: 56 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CBNAGC2

Method: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 04-Dec-2019 15:34:29 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0332

First Level Reviewer: mendezb Date: 04-Dec-2019 15:31:32

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A 6 #2 Diesel Fuel						
2.743	(1.155-4.331)		401826		NC	
$ 11 o-Terphenyl						
3.136	3.136	0.000	412229	20.0	18.3	
19 Qualitative Method						
5.890	5.915	-0.025	5444		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Report Date: 04-Dec-2019 15:34:31 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036484.D

Injection Date: 04-Dec-2019 14:10:25 Instrument ID: CBNAGC2

Lims ID: MB 460-659612/1-A

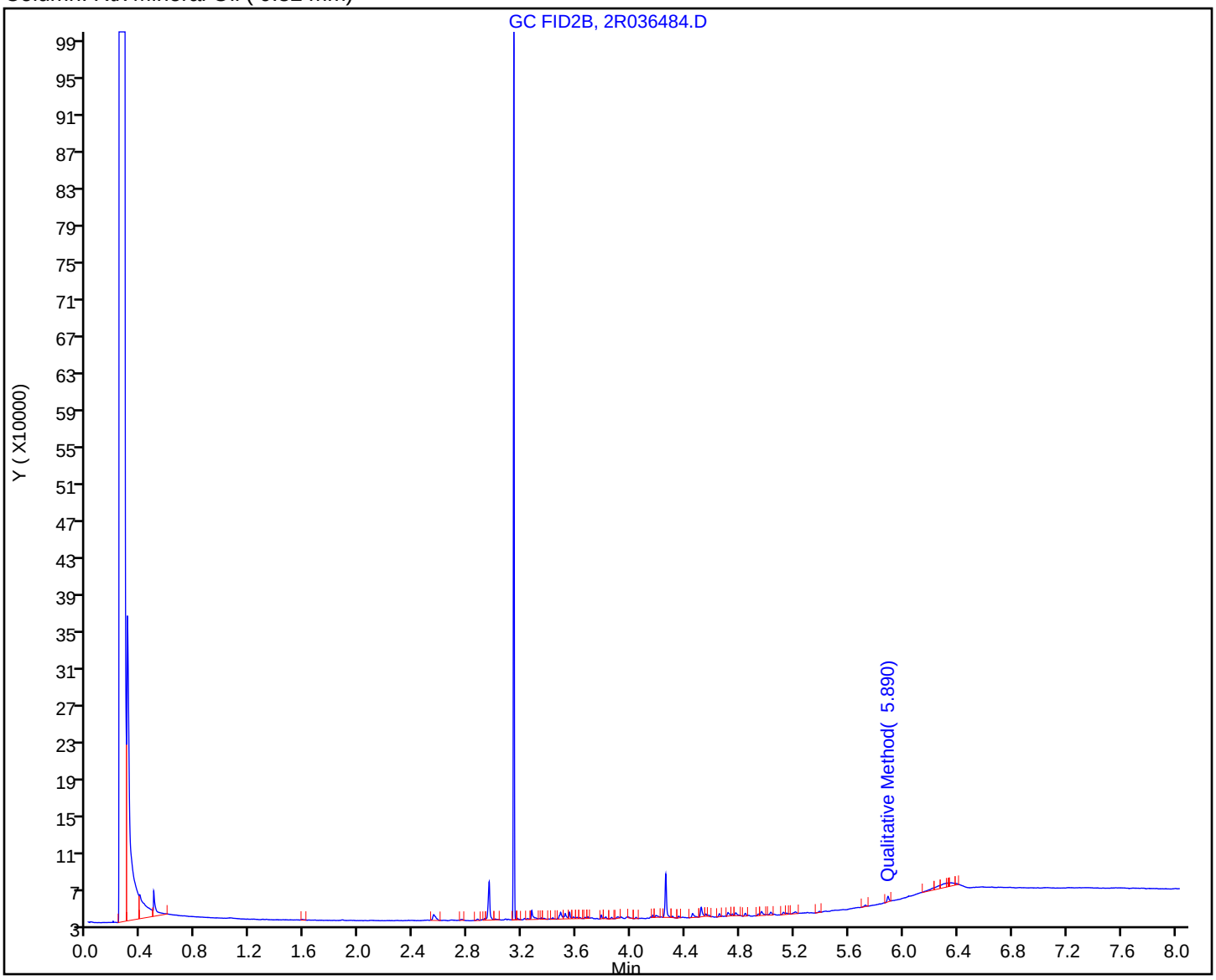
Client ID:

Operator ID: ALS Bottle#: 56 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



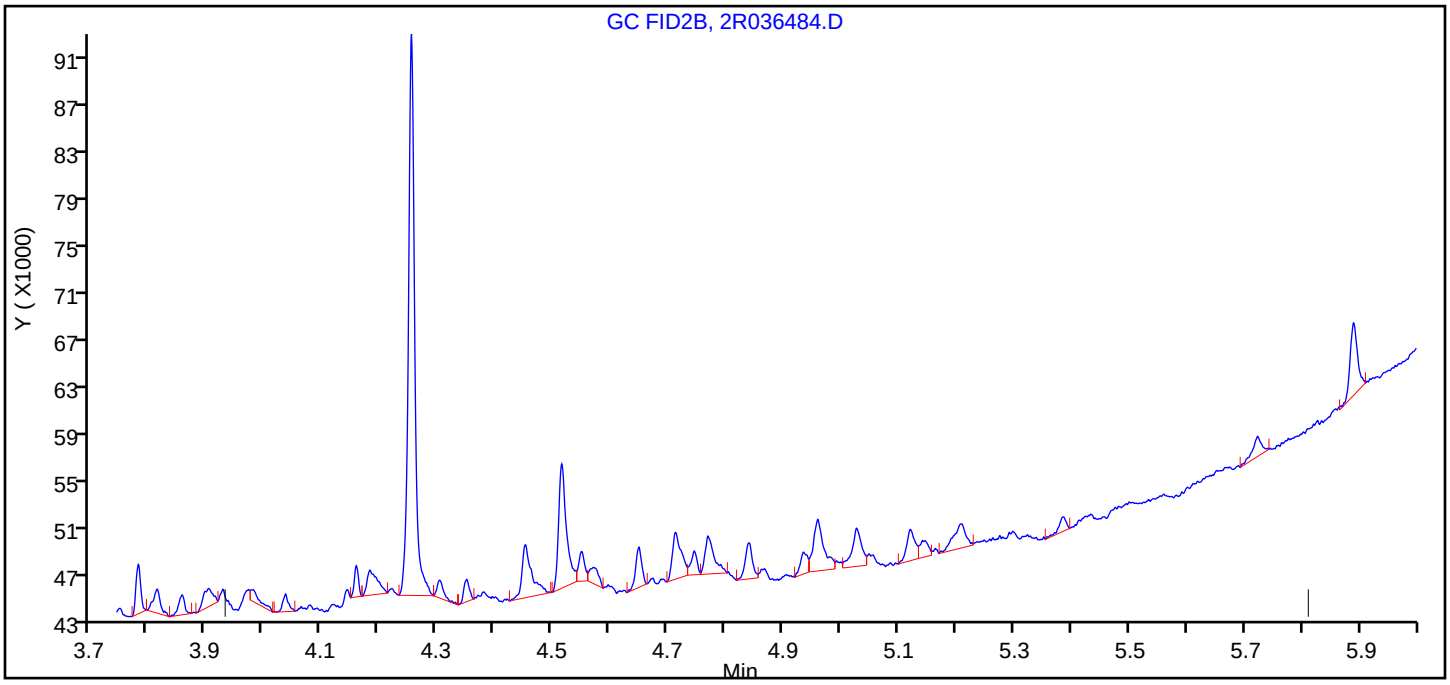
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036484.D				
Injection Date:	04-Dec-2019 14:10:25	Instrument ID:	CBNAGC2		
Lims ID:	MB 460-659612/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	56	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 13 C28-C44, CAS: STL02291, Signal: 1, Type: quant, RT: 4.87

Processing Results



RT	Response	Amount
4.87	97458	5.203405
	Amount:	5.203405

Reviewer: mendezb, 04-Dec-2019 15:31:31

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 460-659678/2

Matrix: Solid Lab File ID: 3F019218.D

Analysis Method: 8015D Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/03/2019 09:58

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	0.032	U	0.10	0.032
STL00816	C10-C44	0.039	U	0.13	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	209	X	11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019218.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 03-Dec-2019 09:58:48 ALS Bottle#: 4 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102197-002
Operator ID: 615 Instrument ID: CBNAGC3

Method: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 03-Dec-2019 10:08:48 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0324

First Level Reviewer: mendezb Date: 03-Dec-2019 10:08:48

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	n-Decane						
	2.268	2.247	0.021	192876		NC	
$ 4	o-Terphenyl						
	3.830	3.832	-0.002	582464	40.0	83.5	
6	n-Octacosane						
	4.760	4.774	-0.014	2307		NC	
8	Qualitative Method						
	5.383	5.343	0.040	1787		NC	
7	Tetratetracontane						
	6.213	6.207	0.006	2850		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SGPIBLKDRO_00018 Amount Added: 1.00 Units: mL

Report Date: 03-Dec-2019 10:08:51 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019218.D

Injection Date: 03-Dec-2019 09:58:48 Instrument ID: CBNAGC3

Lims ID: PIBLK

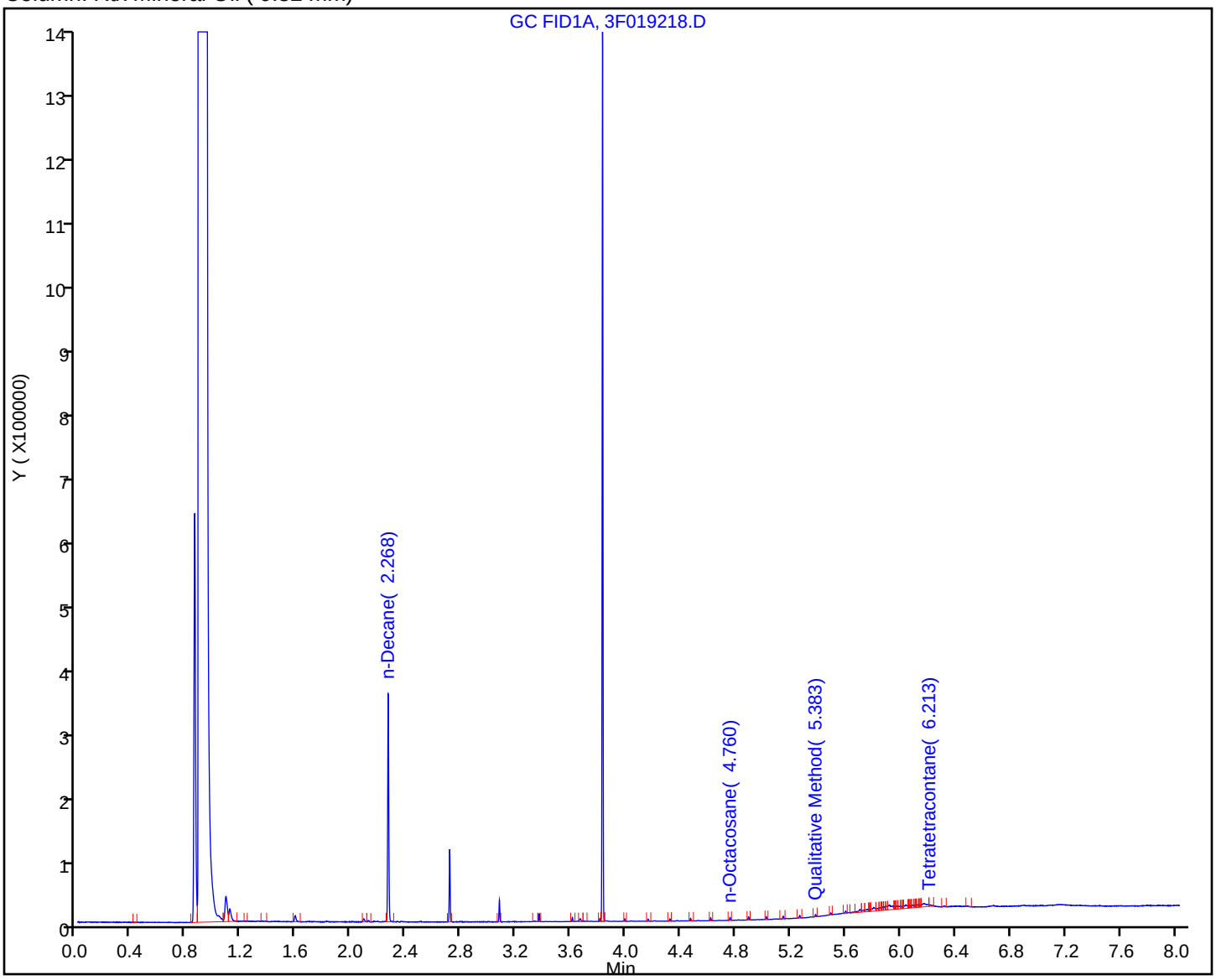
Client ID:

Operator ID: 615 ALS Bottle#: 4 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



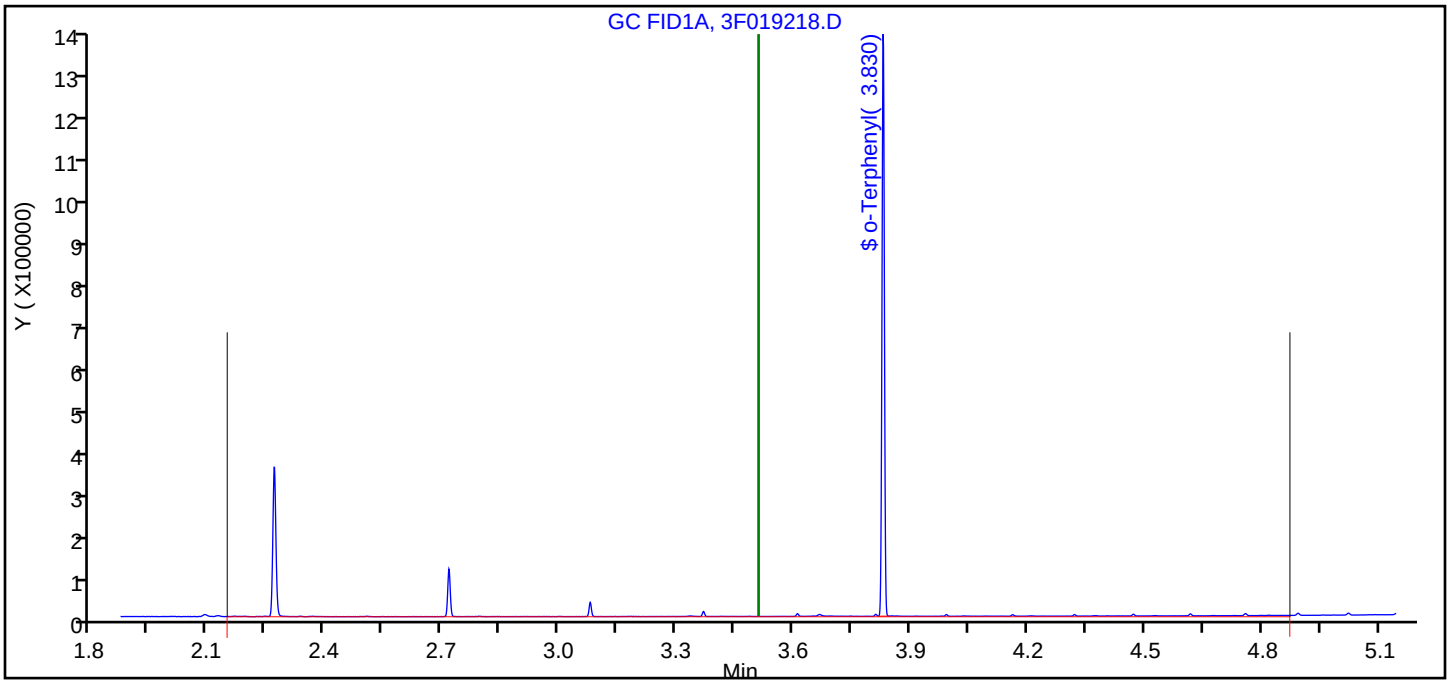
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019218.D				
Injection Date:	03-Dec-2019 09:58:48	Instrument ID:	CBNAGC3		
Lims ID:	PIBLK				
Client ID:					
Operator ID:	615	ALS Bottle#:	4	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 2 #2 Diesel Fuel, CAS: 68334-30-5

Processing Results



Exp RT	RT	Response	Amount
3.51	3.51	463512	80.450751

Reviewer: mendezb, 03-Dec-2019 10:08:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

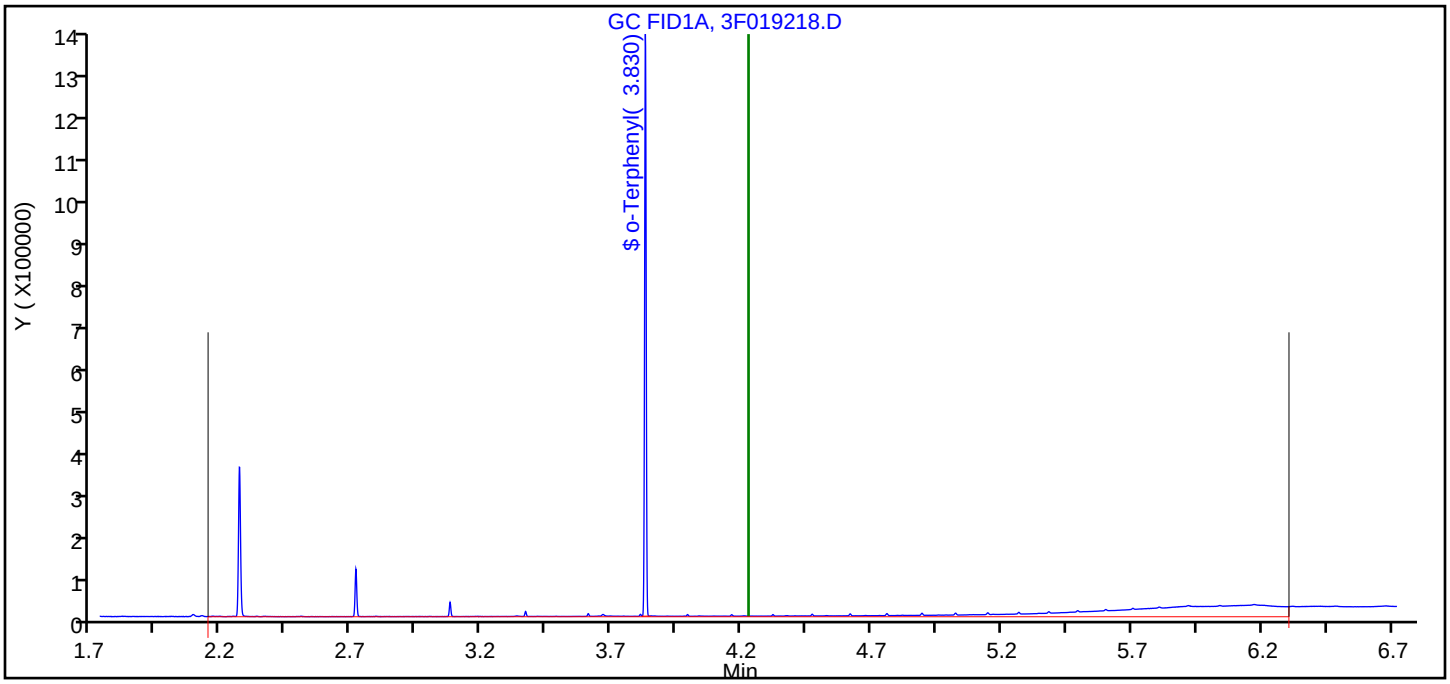
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019218.D				
Injection Date:	03-Dec-2019 09:58:48	Instrument ID:	CBNAGC3		
Lims ID:	PIBLK				
Client ID:					
Operator ID:	615	ALS Bottle#:	4	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 5 C10-C44, CAS: STL00816

Processing Results



Exp RT	RT	Response	Amount
4.23	4.23	1725985	299.5754

Reviewer: mendezb, 03-Dec-2019 10:08:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 460-659678/12

Matrix: Solid Lab File ID: 3F019228.D

Analysis Method: 8015D Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/03/2019 12:07

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	0.032	U	0.10	0.032
STL00816	C10-C44	0.039	U	0.13	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	96		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019228.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 03-Dec-2019 12:07:35 ALS Bottle#: 4 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102197-012
Operator ID: 615 Instrument ID: CBNAGC3

Method: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 03-Dec-2019 12:24:23 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0324

First Level Reviewer: mendezb Date: 03-Dec-2019 12:24:23

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	n-Decane						
	2.270	2.247	0.023	90691		NC	
$ 4	o-Terphenyl						
	3.830	3.829	0.001	268547	40.0	38.5	
6	n-Octacosane						
	4.754	4.774	-0.020	1283		NC	
8	Qualitative Method						
	5.140	5.343	-0.203	1181		NC	
7	Tetratetracontane						
	6.316	6.207	0.109	1106		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SGPIBLKDRO_00018 Amount Added: 1.00 Units: mL

Report Date: 03-Dec-2019 12:24:31 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019228.D

Injection Date: 03-Dec-2019 12:07:35 Instrument ID: CBNAGC3

Lims ID: PIBLK

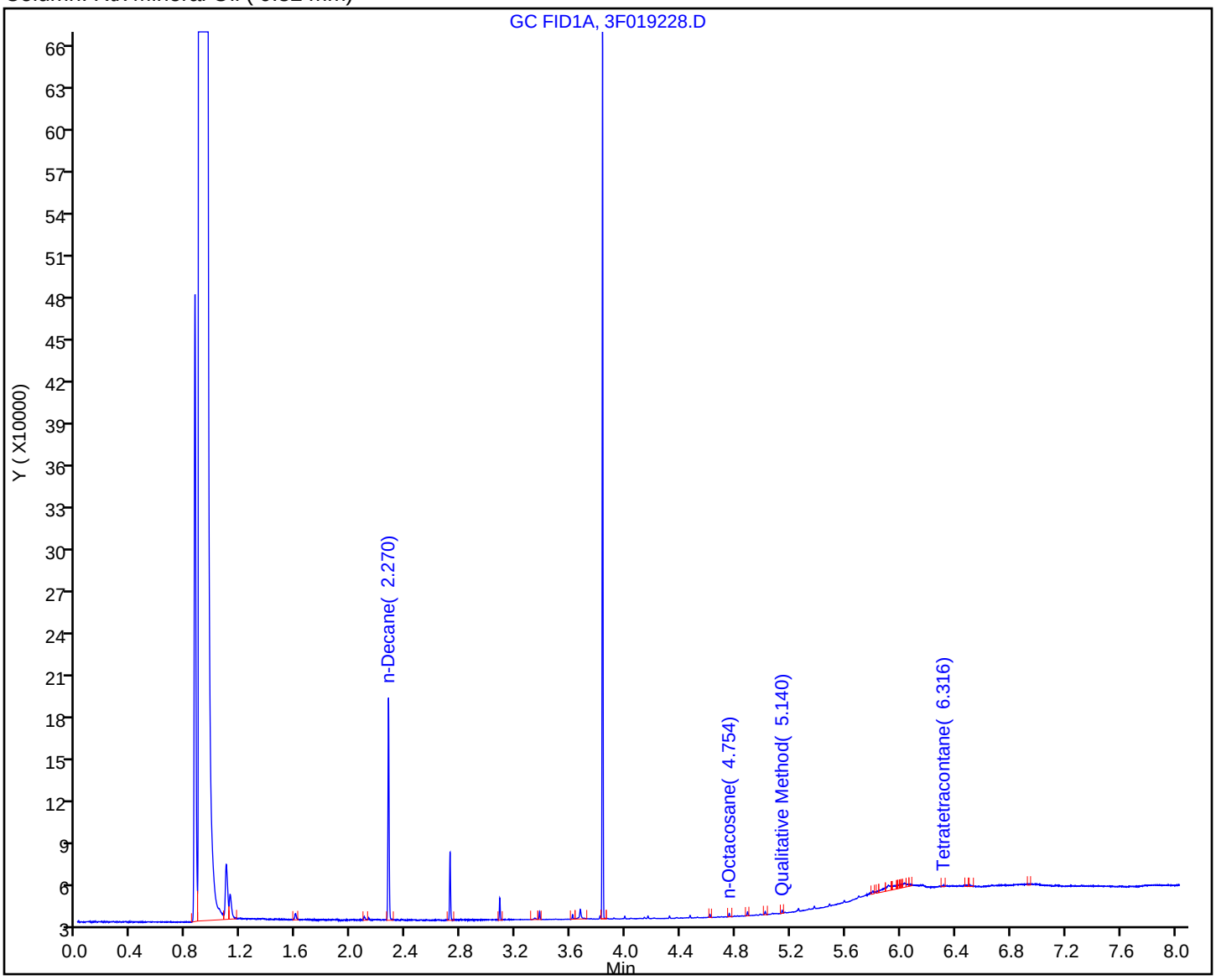
Client ID:

Operator ID: 615 ALS Bottle#: 4 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



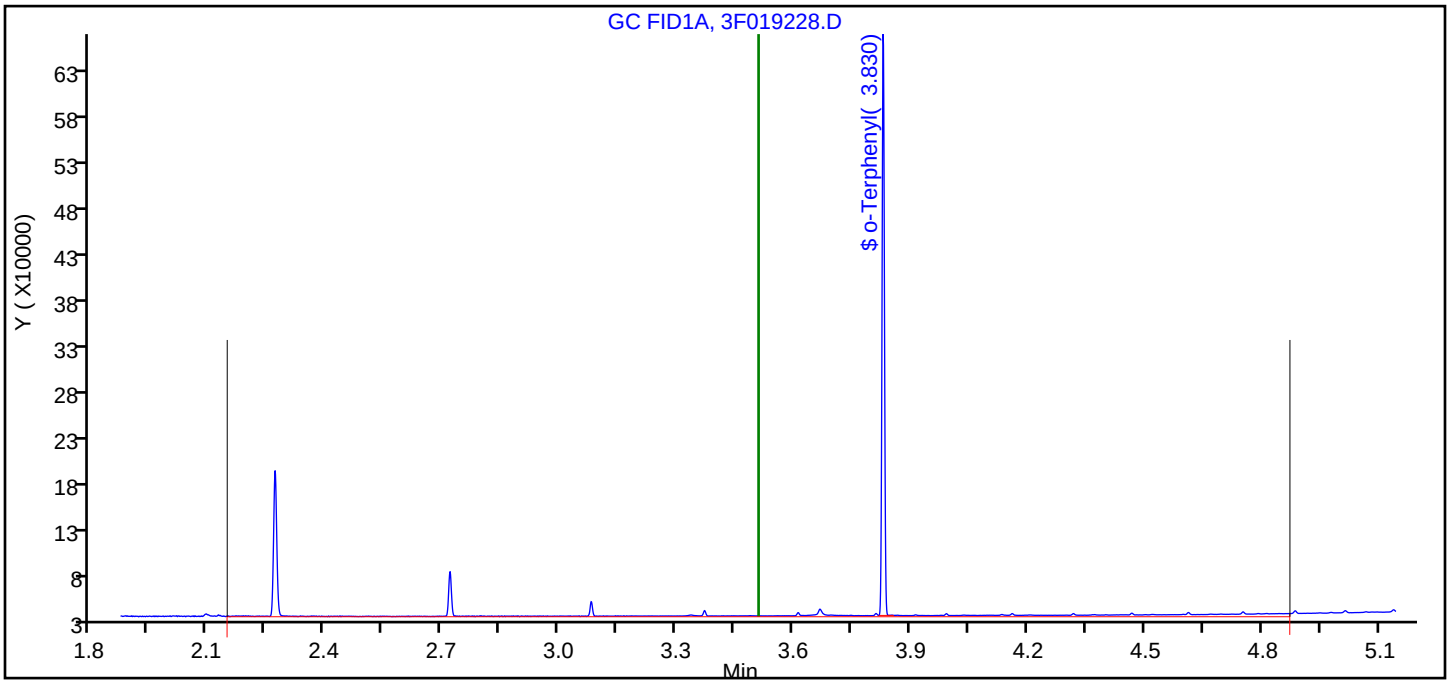
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019228.D				
Injection Date:	03-Dec-2019 12:07:35	Instrument ID:	CBNAGC3		
Lims ID:	PIBLK				
Client ID:					
Operator ID:	615	ALS Bottle#:	4	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 2 #2 Diesel Fuel, CAS: 68334-30-5

Processing Results



Exp RT	RT	Response	Amount
3.51	3.51	335009	58.146770

Reviewer: mendezb, 03-Dec-2019 12:24:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

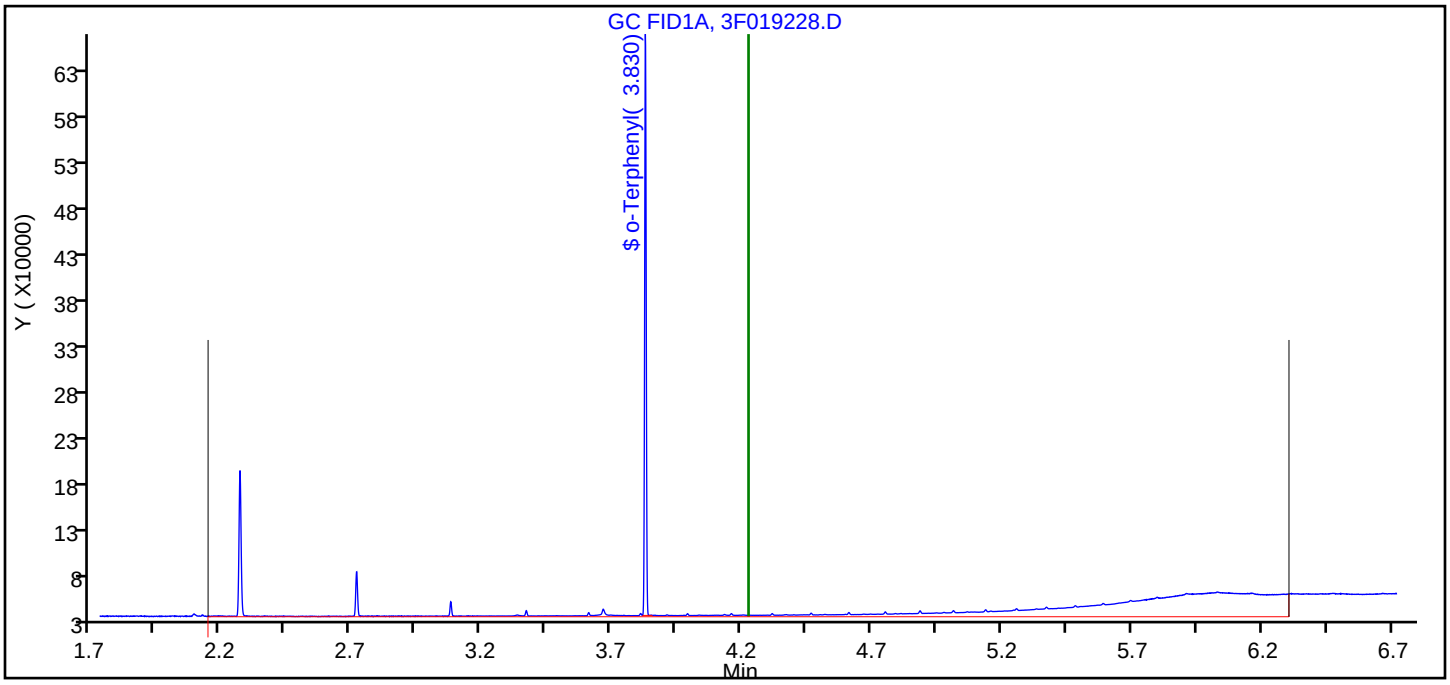
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019228.D				
Injection Date:	03-Dec-2019 12:07:35	Instrument ID:	CBNAGC3		
Lims ID:	PIBLK				
Client ID:					
Operator ID:	615	ALS Bottle#:	4	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 5 C10-C44, CAS: STL00816

Processing Results



Exp RT	RT	Response	Amount
4.23	4.23	1584281	274.9801

Reviewer: mendezb, 03-Dec-2019 12:24:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 460-659945/1

Matrix: Solid Lab File ID: 2R036482.D

Analysis Method: 8015D Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/04/2019 12:11

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	0.032	U	0.10	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036482.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 04-Dec-2019 12:11:06 ALS Bottle#: 54 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CBNAGC2

Method: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 04-Dec-2019 15:33:09 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0332

First Level Reviewer: mendezb Date: 04-Dec-2019 15:31:22

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A 6 #2 Diesel Fuel						
2.743	(1.155-4.331)		1124978		NC	
$ 11 o-Terphenyl						
3.139	3.136	0.003	819405	40.0	36.3	
19 Qualitative Method						
5.897	5.915	-0.018	3460		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SGPIBLKDRO_00018 Amount Added: 1.00 Units: mL

Report Date: 04-Dec-2019 15:34:26 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036482.D

Injection Date: 04-Dec-2019 12:11:06 Instrument ID: CBNAGC2

Lims ID: PIBLK

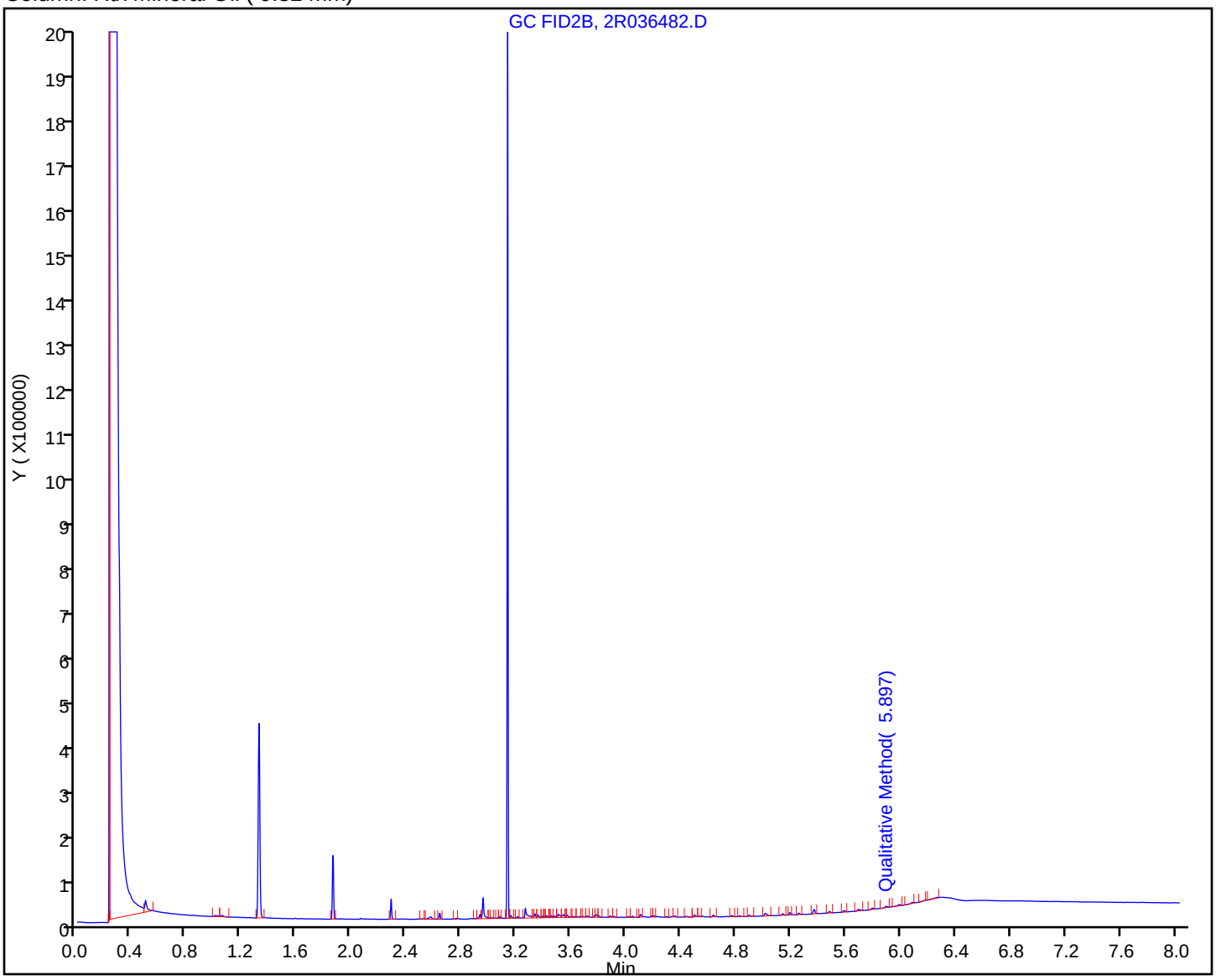
Client ID:

Operator ID: ALS Bottle#: 54 Worklist Smp#: 1

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



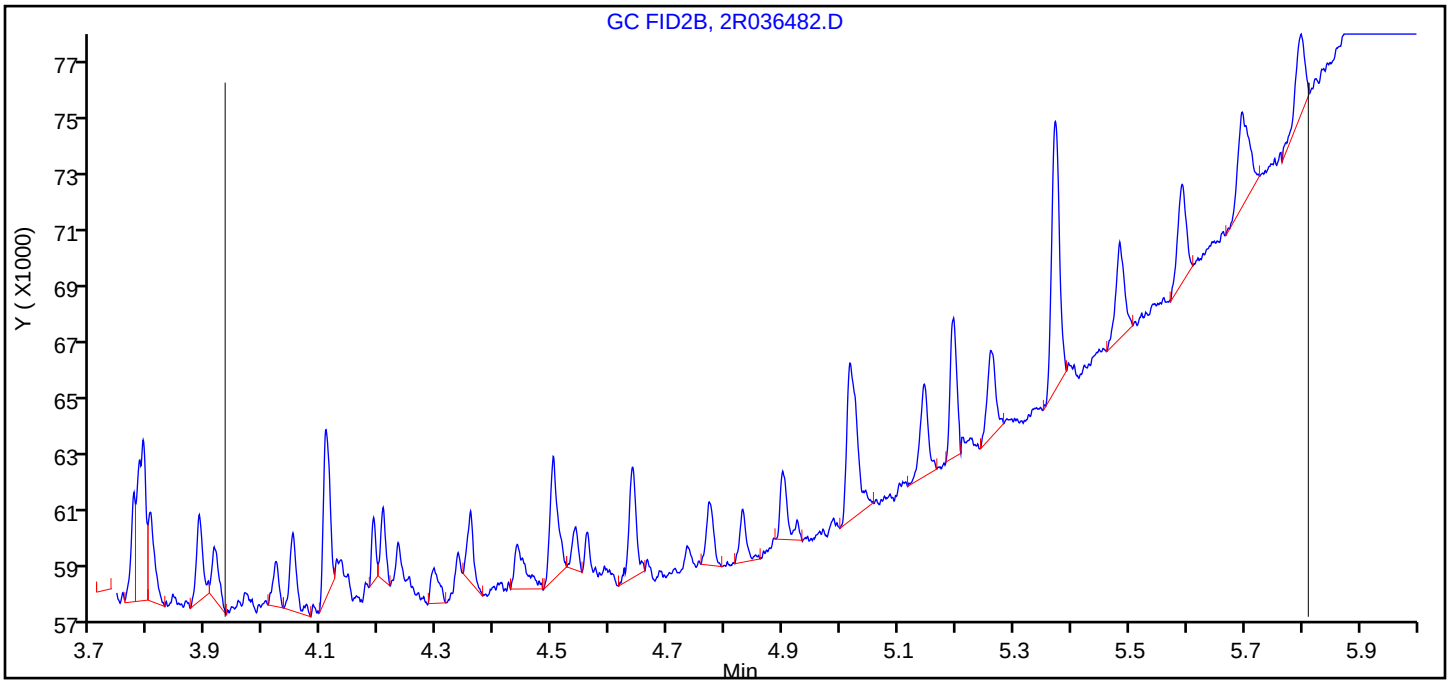
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036482.D				
Injection Date:	04-Dec-2019 12:11:06	Instrument ID:	CBNAGC2		
Lims ID:	PIBLK				
Client ID:					
Operator ID:		ALS Bottle#:	54	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 13 C28-C44, CAS: STL02291, Signal: 1, Type: quant, RT: 4.87

Processing Results



RT	Response	Amount
4.87	71793	3.833118
	Amount:	3.833118

Reviewer: mendezb, 04-Dec-2019 15:31:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 460-659945/10

Matrix: Solid Lab File ID: 2R036491.D

Analysis Method: 8015D Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/04/2019 15:51

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	0.032	U	0.10	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	101		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036491.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 04-Dec-2019 15:51:40 ALS Bottle#: 63 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CBNAGC2

Method: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 04-Dec-2019 16:09:25 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0332

First Level Reviewer: mendezb Date: 04-Dec-2019 16:09:25

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A 6 #2 Diesel Fuel						
2.743	(1.155-4.331)		973316		NC	
$ 11 o-Terphenyl						a
3.113	3.136	-0.023	914979	40.0	40.5	a
19 Qualitative Method						
5.887	5.915	-0.028	1172		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

SGPIBLKDRO_00018 Amount Added: 1.00 Units: mL

Report Date: 04-Dec-2019 16:09:29 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036491.D

Injection Date: 04-Dec-2019 15:51:40 Instrument ID: CBNAGC2

Lims ID: PIBLK

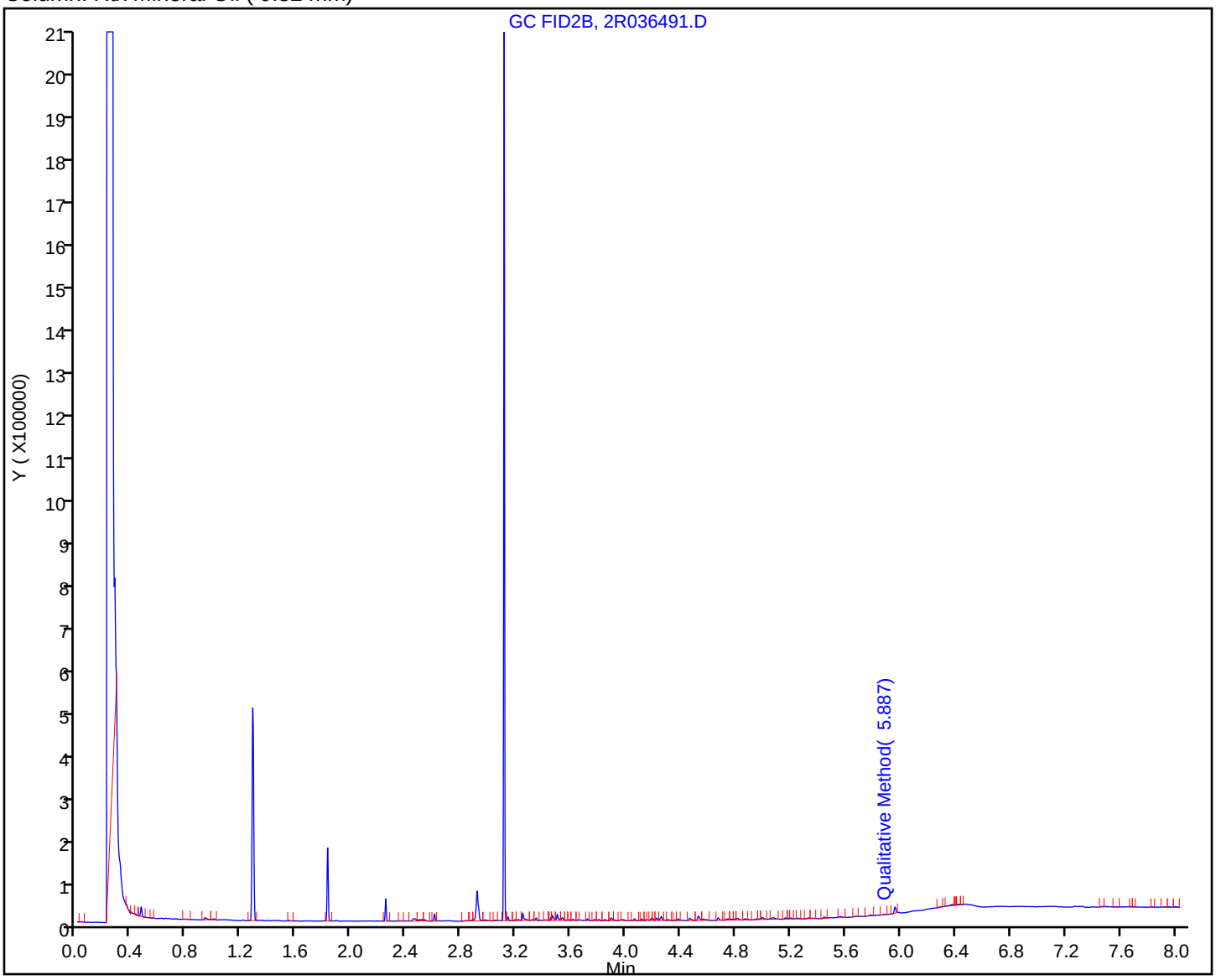
Client ID:

Operator ID: ALS Bottle#: 63 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

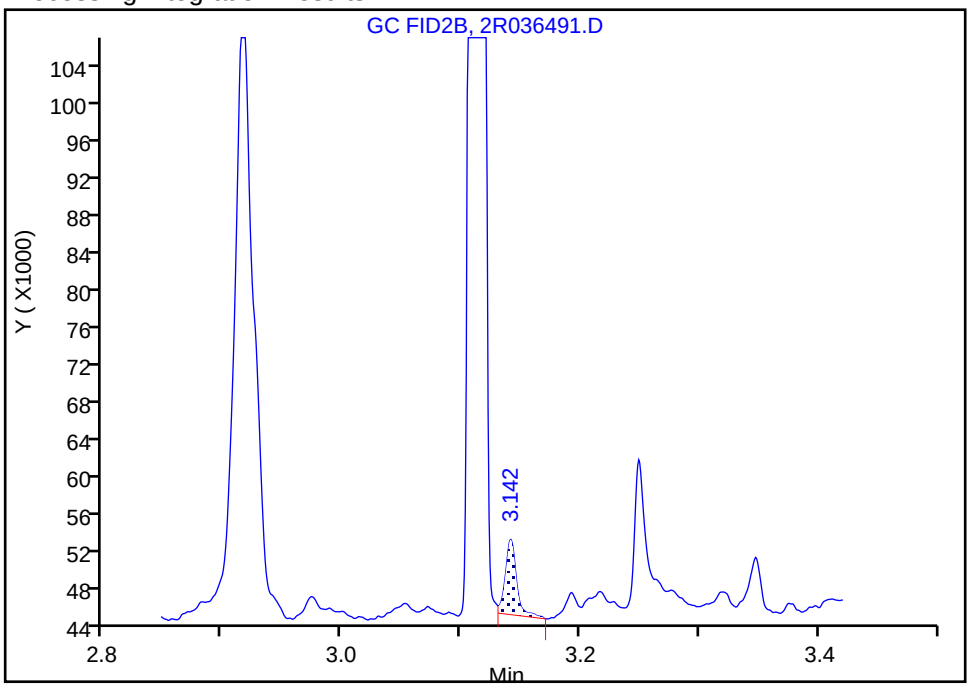
Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036491.D				
Injection Date:	04-Dec-2019 15:51:40	Instrument ID:	CBNAGC2		
Lims ID:	PIBLK				
Client ID:					
Operator ID:		ALS Bottle#:	63	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

$ 11 o-Terphenyl, CAS: 84-15-1

Signal: 1

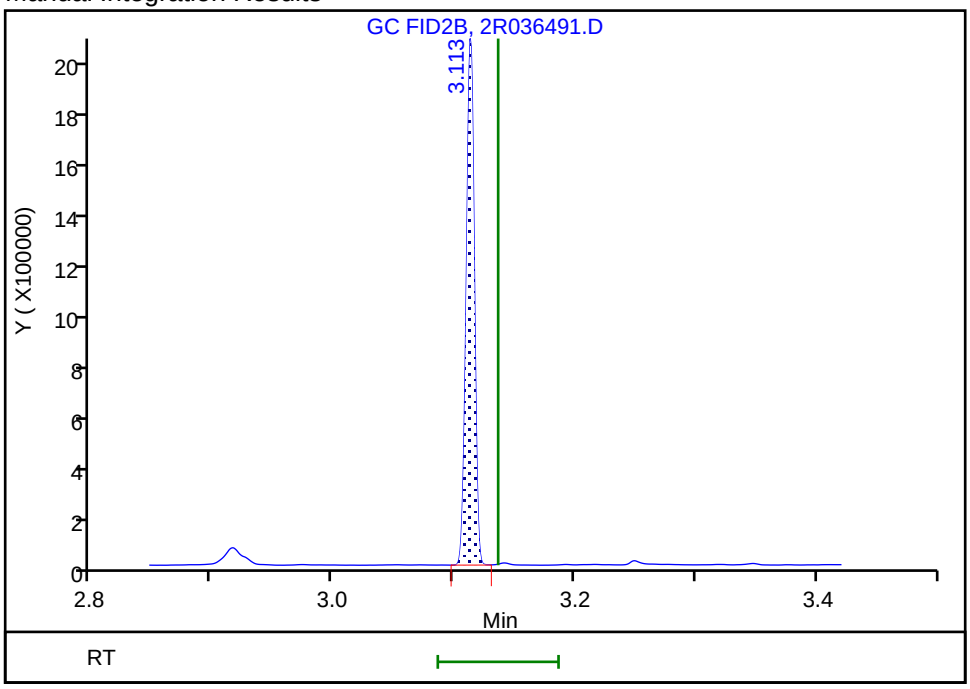
Processing Integration Results

RT: 3.14
Area: 5217
Amount: 0.231003
Amount Units: ug/ml



Manual Integration Results

RT: 3.11
Area: 914979
Amount: 40.514194
Amount Units: ug/ml



Reviewer: mendezb, 04-Dec-2019 16:09:16
Audit Action: Assigned Compound ID Audit Reason:

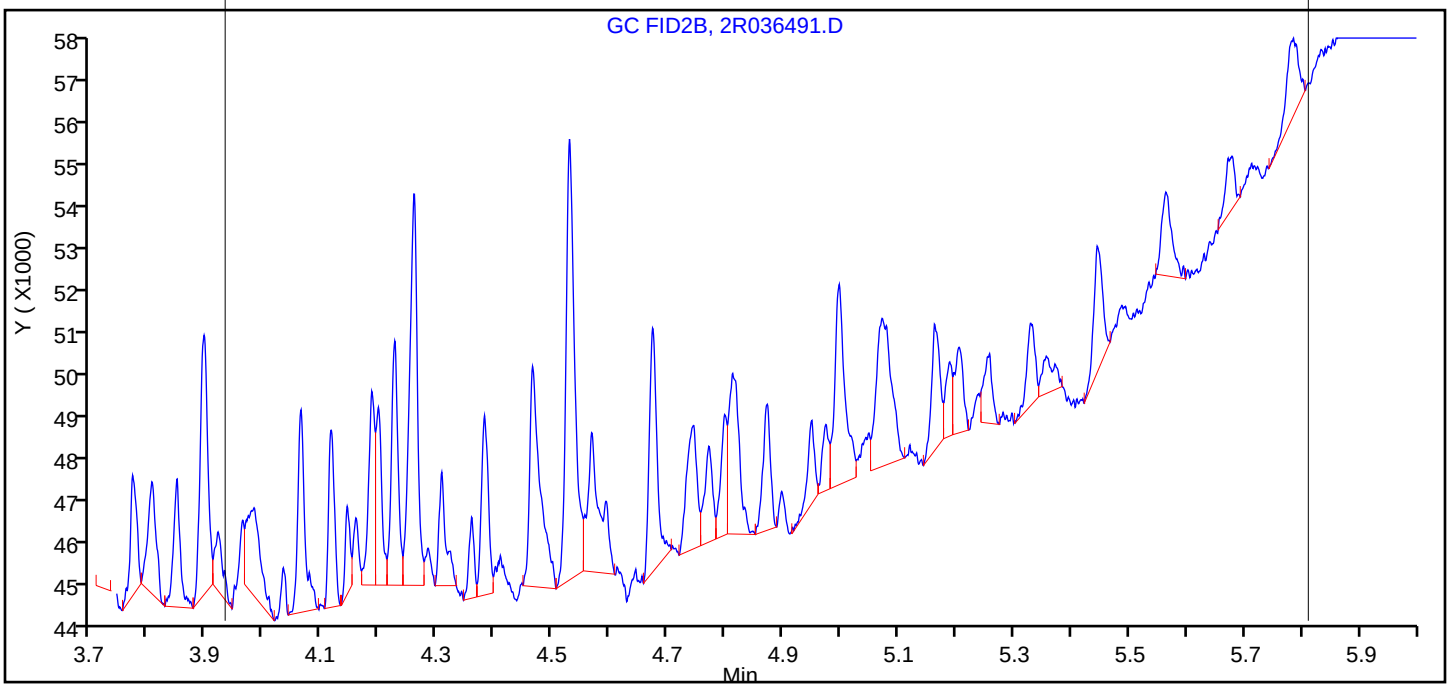
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036491.D				
Injection Date:	04-Dec-2019 15:51:40	Instrument ID:	CBNAGC2		
Lims ID:	PIBLK				
Client ID:					
Operator ID:		ALS Bottle#:	63	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

A 13 C28-C44, CAS: STL02291, Signal: 1, Type: quant, RT: 4.87

Processing Results



RT	Response	Amount
4.87	113106	6.038871
	Amount:	6.038871

Reviewer: mendezb, 04-Dec-2019 16:09:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-659612/2-A

Matrix: Solid Lab File ID: 3F019221.D

Analysis Method: 8015D Date Collected:

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 10:37

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	104		6.7	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	123		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019221.D
Lims ID: LCS 460-659612/2-A
Client ID:
Sample Type: LCS
Inject. Date: 03-Dec-2019 10:37:00 ALS Bottle#: 7 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102197-005
Operator ID: 615 Instrument ID: CBNAGC3

Method: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 03-Dec-2019 10:49:22 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0324

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A 2 #2 Diesel Fuel						
3.511	(2.147-4.874)		8990209	2000.0	1560.4	
$ 4 o-Terphenyl						
3.833	3.829	0.004	172044	20.0	24.7	

Report Date: 03-Dec-2019 10:49:51 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019221.D

Injection Date: 03-Dec-2019 10:37:00 Instrument ID: CBNAGC3

Lims ID: LCS 460-659612/2-A

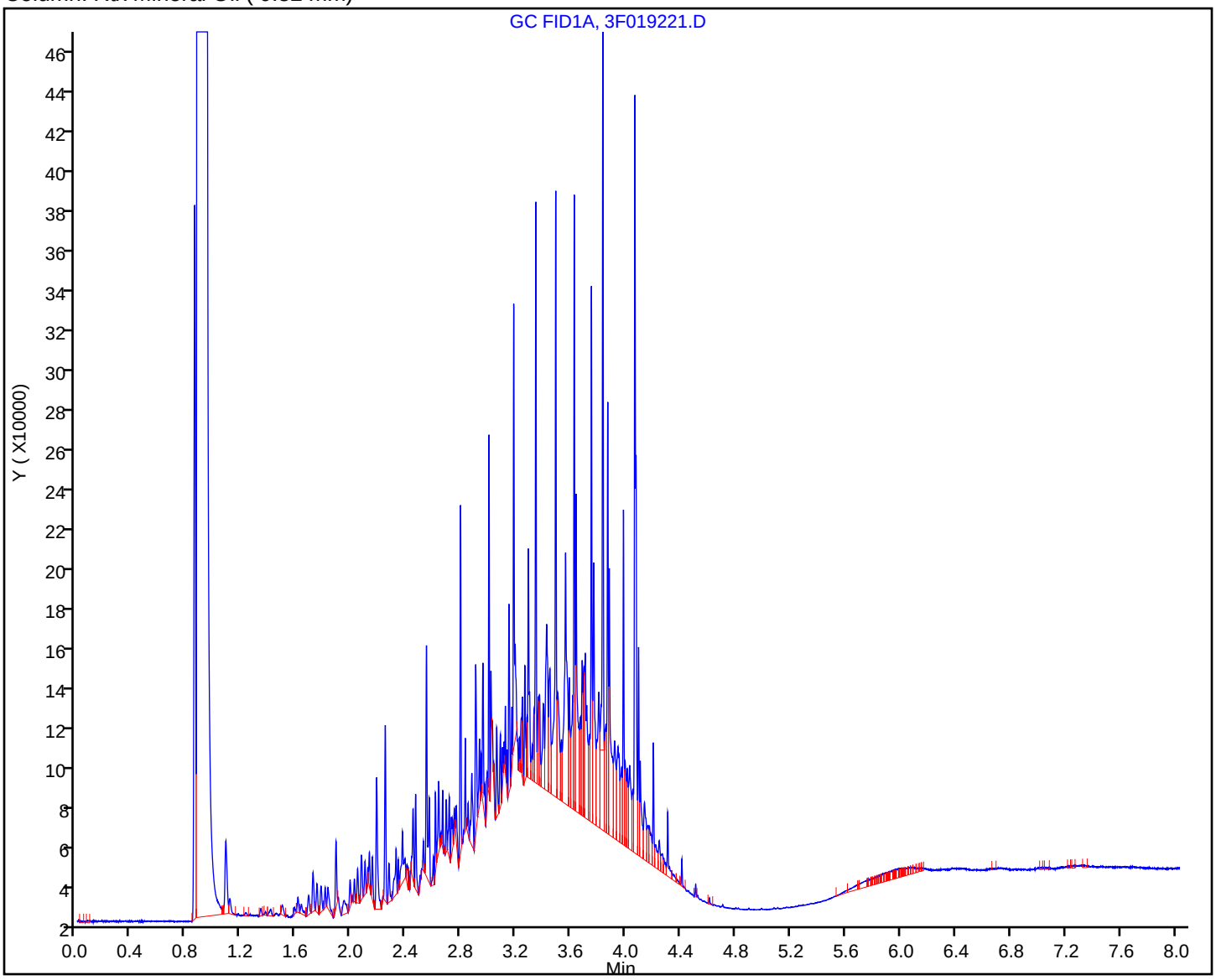
Client ID:

Operator ID: 615 ALS Bottle#: 7 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-659612/9-A

Matrix: Solid Lab File ID: 2R036489.D

Analysis Method: 8015D Date Collected:

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/04/2019 15:13

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	19.3		6.7	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	98		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036489.D
Lims ID: LCS 460-659612/9-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Dec-2019 15:13:17 ALS Bottle#: 61 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CBNAGC2

Method: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 04-Dec-2019 15:43:03 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0332

First Level Reviewer: mendezb Date: 04-Dec-2019 15:33:09

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A	5 C10-C28						a
	2.743	(1.155-4.331)		14379555	720.0	730.4	a
$	11 o-Terphenyl						a
	3.123	3.136	-0.013	440700	20.0	19.5	a
A	9 C10-C44						a
	3.483	(1.155-5.811)		18208389	1040.0	942.9	a
A	13 C28-C44						
	4.871	(3.931-5.811)		5427664	400.0	289.8	

QC Flag Legend

Review Flags
a - User Assigned ID

Report Date: 04-Dec-2019 15:43:19 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036489.D

Injection Date: 04-Dec-2019 15:13:17 Instrument ID: CBNAGC2

Lims ID: LCS 460-659612/9-A

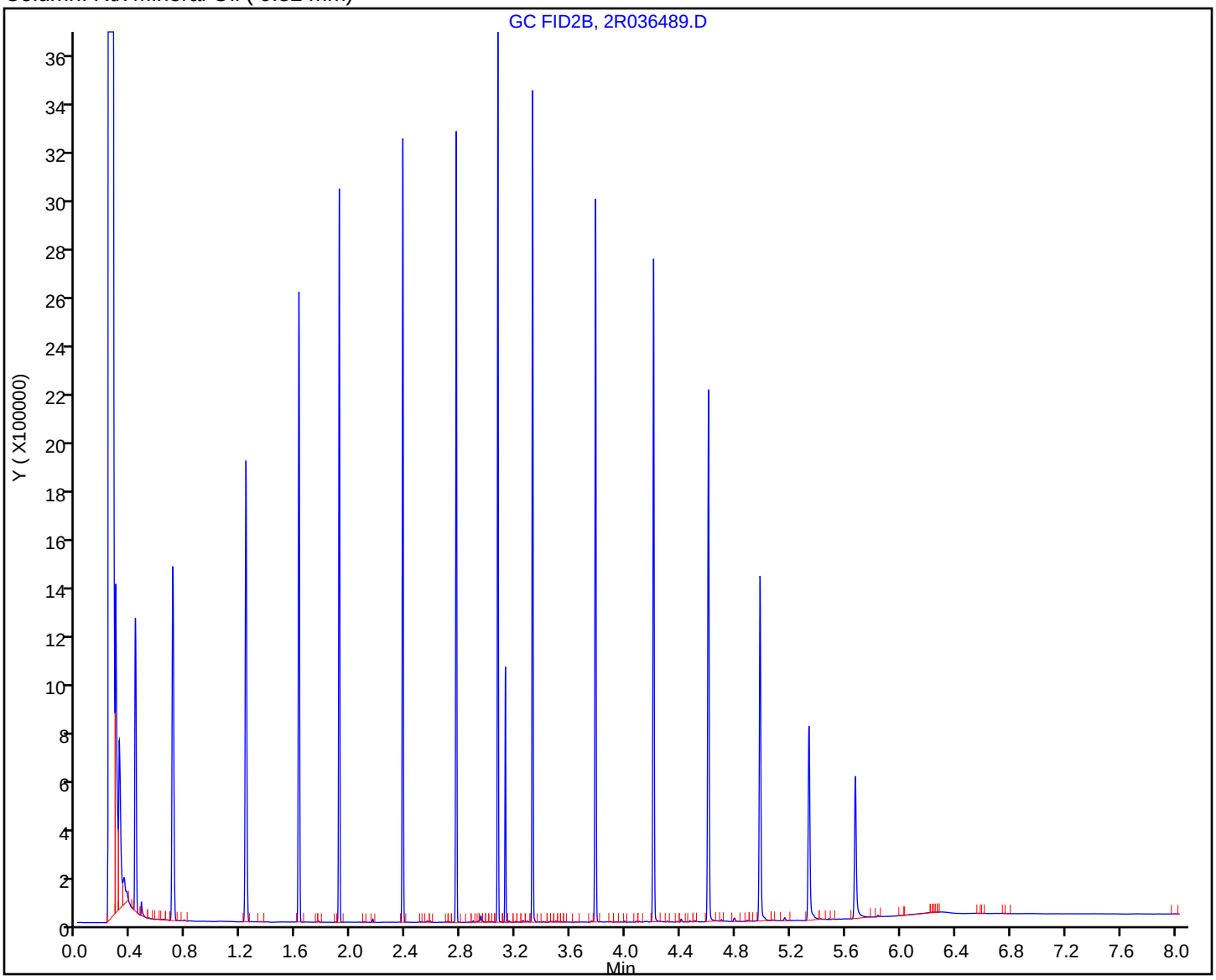
Client ID:

Operator ID: ALS Bottle#: 61 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

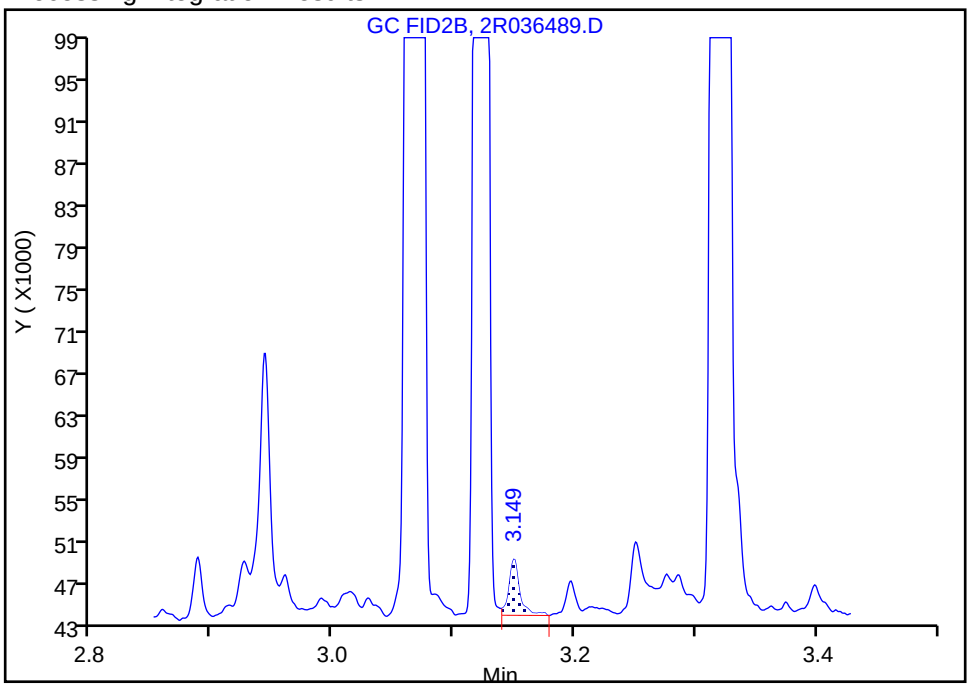
Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036489.D		
Injection Date:	04-Dec-2019 15:13:17	Instrument ID:	CBNAGC2
Lims ID:	LCS 460-659612/9-A		
Client ID:			
Operator ID:		ALS Bottle#:	61 Worklist Smp#: 8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A

$ 11 o-Terphenyl, CAS: 84-15-1

Signal: 1

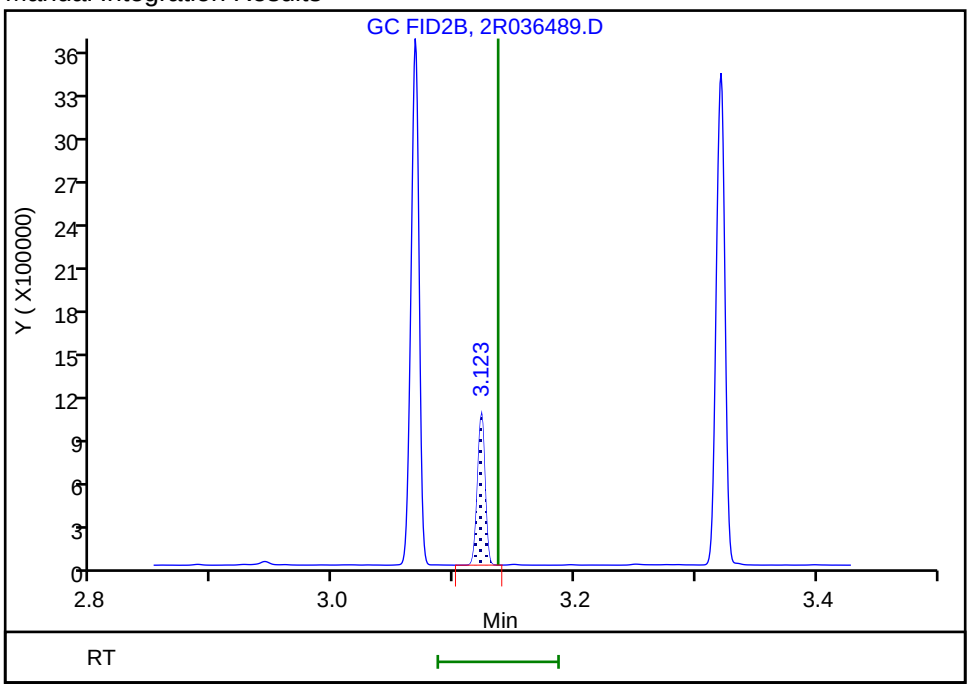
Processing Integration Results

RT: 3.15
Area: 3313
Amount: 0.146696
Amount Units: ug/ml



Manual Integration Results

RT: 3.12
Area: 440700
Amount: 19.513678
Amount Units: ug/ml



Reviewer: mendezb, 04-Dec-2019 15:32:46
Audit Action: Assigned Compound ID Audit Reason:

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-659612/3-A

Matrix: Solid Lab File ID: 3F019222.D

Analysis Method: 8015D Date Collected:

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 10:49

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	112		6.7	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	111		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019222.D
Lims ID: LCSD 460-659612/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 03-Dec-2019 10:49:51 ALS Bottle#: 8 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0102197-006
Operator ID: 615 Instrument ID: CBNAGC3

Method: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\DRO3F.m
Limit Group: GC 8015C DRO ICAL
Last Update: 03-Dec-2019 11:03:07 Calib Date: 02-Feb-2018 15:08:43
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC3\20180202-66970.b\3F015200.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0324

First Level Reviewer: mendezb Date: 03-Dec-2019 11:03:07

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A	2 #2 Diesel Fuel						
	3.511	(2.147-4.874)		9712516	2000.0	1685.8	
$	4 o-Terphenyl						a
	3.832	3.829	0.003	154310	20.0	22.1	a

QC Flag Legend

Review Flags
a - User Assigned ID

Report Date: 03-Dec-2019 11:03:21 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019222.D

Injection Date: 03-Dec-2019 10:49:51 Instrument ID: CBNAGC3

Lims ID: LCSD 460-659612/3-A

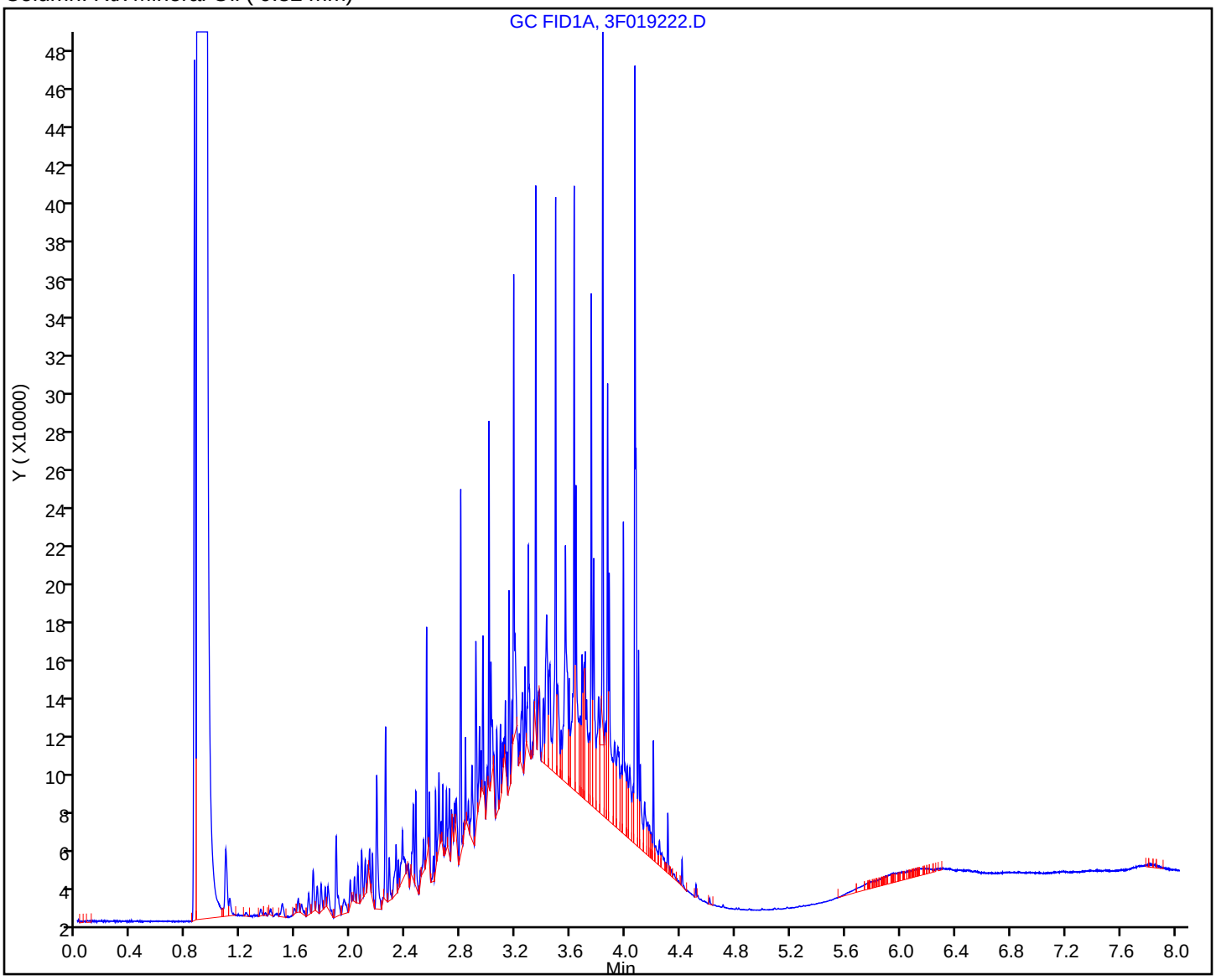
Client ID:

Operator ID: 615 ALS Bottle#: 8 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO3F Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

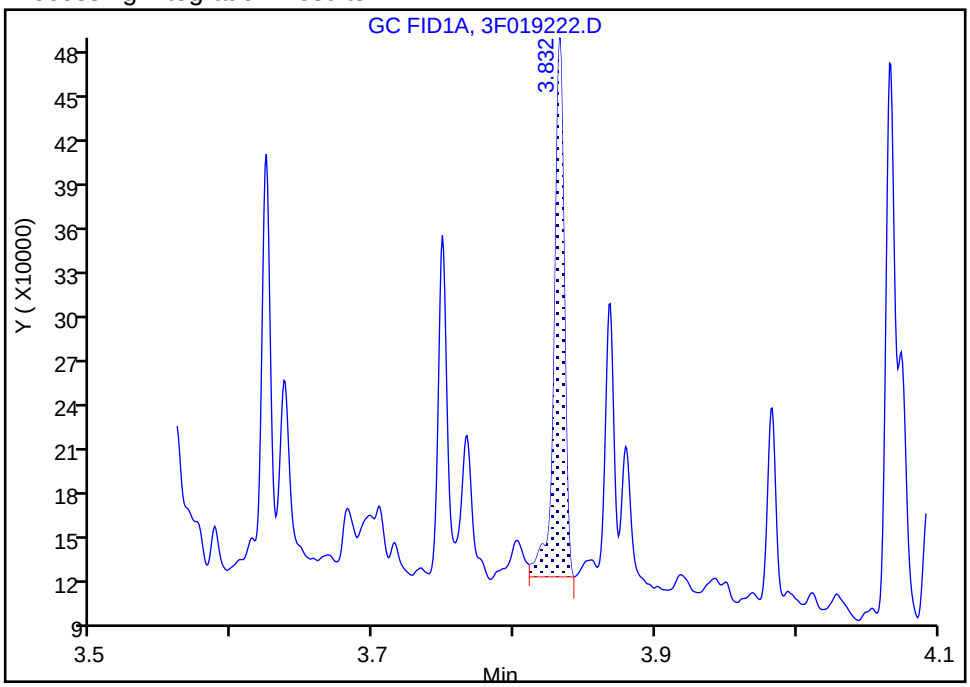
Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019222.D				
Injection Date:	03-Dec-2019 10:49:51	Instrument ID:	CBNAGC3		
Lims ID:	LCSD 460-659612/3-A				
Client ID:					
Operator ID:	615	ALS Bottle#:	8	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

$ 4 o-Terphenyl, CAS: 84-15-1

Signal: 1

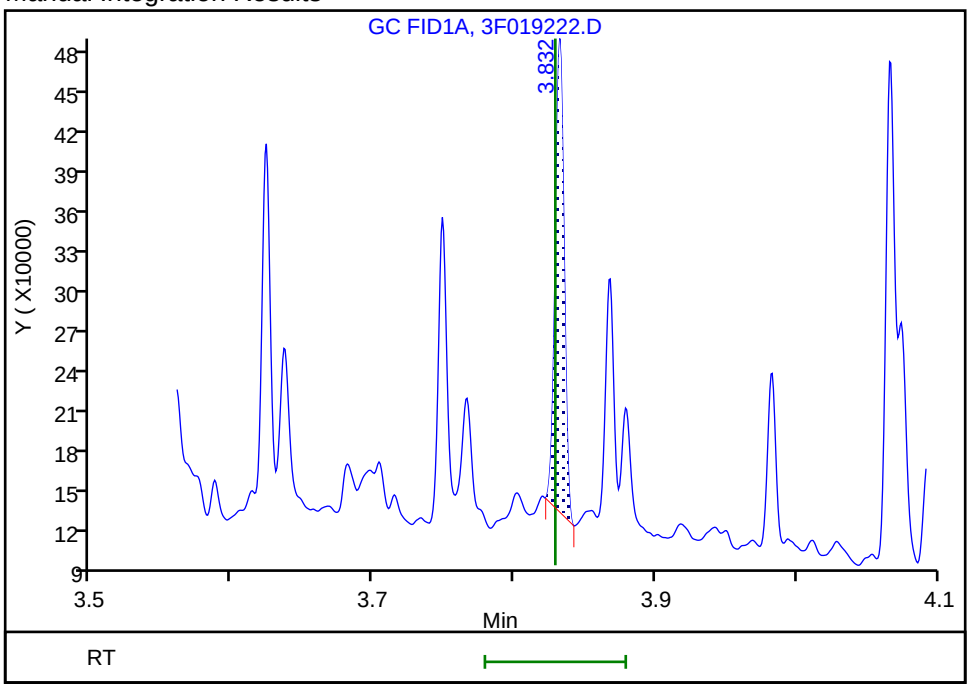
Processing Integration Results

RT: 3.83
Area: 177017
Amount: 25.362691
Amount Units: ug/ml



Manual Integration Results

RT: 3.83
Area: 154310
Amount: 22.109271
Amount Units: ug/ml



Reviewer: mendezb, 03-Dec-2019 11:03:01

Audit Action: Located Compound Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

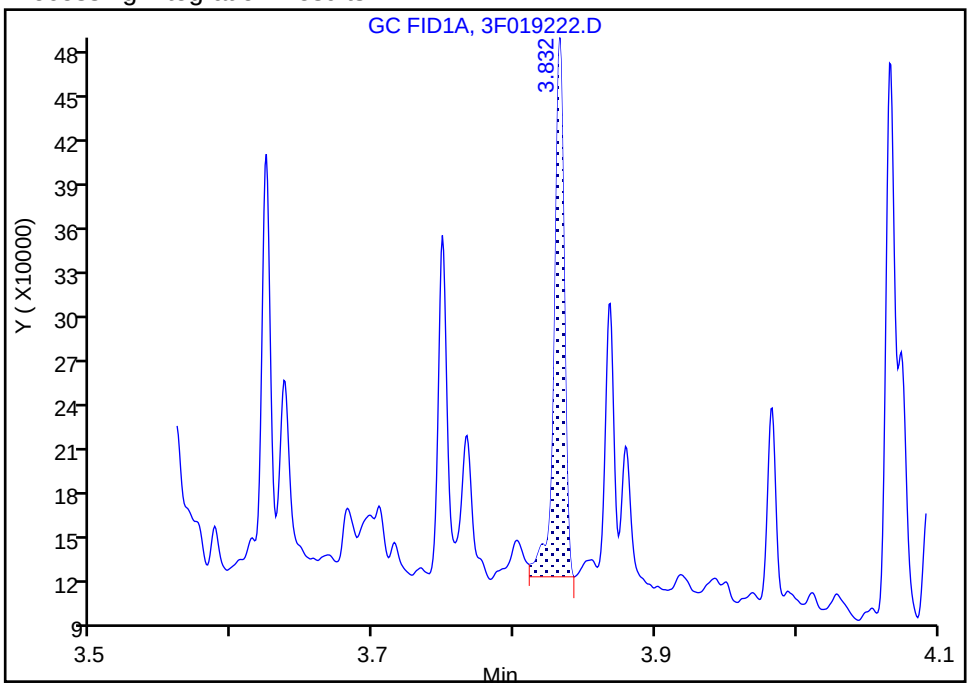
Data File:	\\chromna\Edison\ChromData\CBNAGC3\20191203-102197.b\3F019222.D				
Injection Date:	03-Dec-2019 10:49:51	Instrument ID:	CBNAGC3		
Lims ID:	LCSD 460-659612/3-A				
Client ID:					
Operator ID:	615	ALS Bottle#:	8	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO3F	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

$ 4 o-Terphenyl, CAS: 84-15-1

Signal: 1

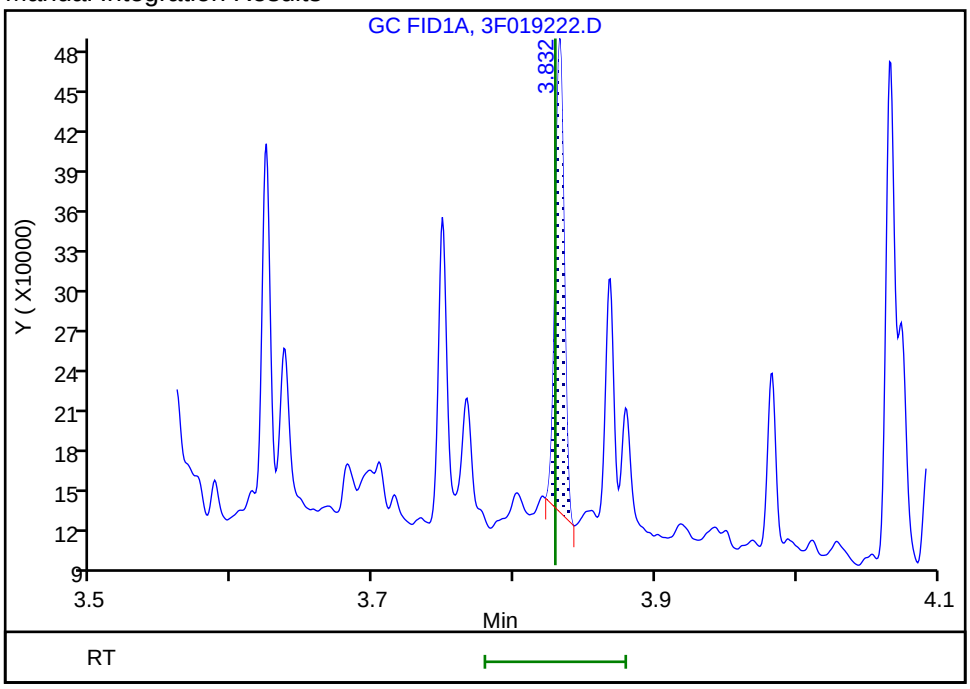
Processing Integration Results

RT: 3.83
Area: 177017
Amount: 25.362691
Amount Units: ug/ml



Manual Integration Results

RT: 3.83
Area: 154310
Amount: 22.109271
Amount Units: ug/ml



Reviewer: mendezb, 03-Dec-2019 11:03:04

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-659612/10-A

Matrix: Solid Lab File ID: 2R036490.D

Analysis Method: 8015D Date Collected:

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/04/2019 15:25

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	20.7		6.7	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	103		11-126

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036490.D
Lims ID: LCSD 460-659612/10-A
Client ID:
Sample Type: LCSD
Inject. Date: 04-Dec-2019 15:25:50 ALS Bottle#: 62 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CBNAGC2

Method: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\DRO2R.m
Limit Group: GC 8015C DRO ICAL
Last Update: 04-Dec-2019 15:43:03 Calib Date: 24-Sep-2018 14:36:37
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CBNAGC2\20180924-79169.b\2R027625.D

Column 1 : Rtx Mineral Oil (0.32 mm) Det: GC FID1A
Process Host: CTX0332

First Level Reviewer: mendezb Date: 04-Dec-2019 15:43:03

	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
A	5 C10-C28						a
	2.743	(1.155-4.331)		14774432	720.0	750.4	a
$	11 o-Terphenyl						a
	3.110	3.136	-0.026	466080	20.0	20.6	a
A	9 C10-C44						a
	3.483	(1.155-5.811)		18923353	1040.0	979.9	a
A	13 C28-C44						
	4.871	(3.931-5.811)		5816717	400.0	310.6	

QC Flag Legend

Review Flags
a - User Assigned ID

Report Date: 04-Dec-2019 15:43:20 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036490.D

Injection Date: 04-Dec-2019 15:25:50 Instrument ID: CBNAGC2

Lims ID: LCSD 460-659612/10-A

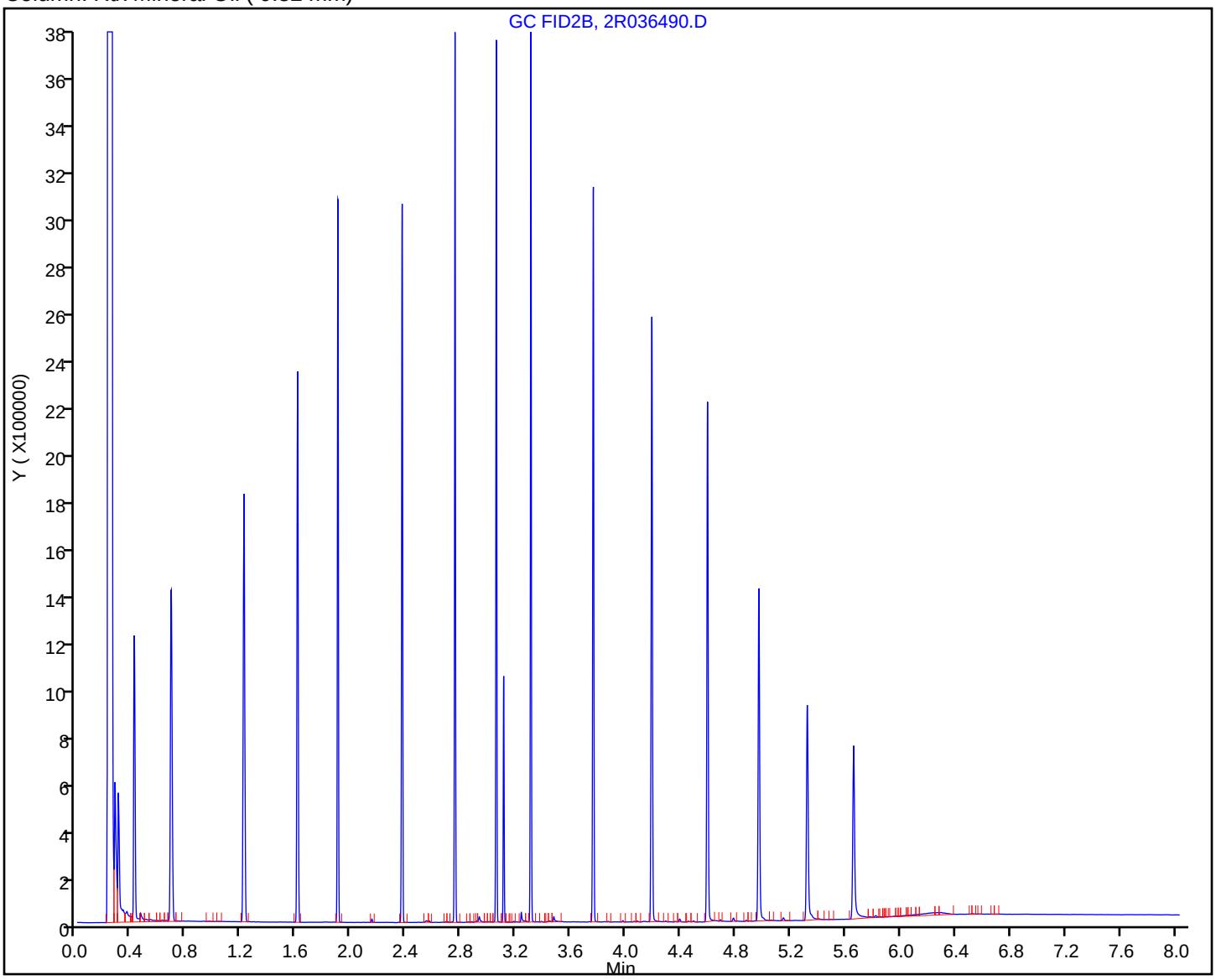
Client ID:

Operator ID: ALS Bottle#: 62 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: DRO2R Limit Group: GC 8015C DRO ICAL

Column: Rtx Mineral Oil (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

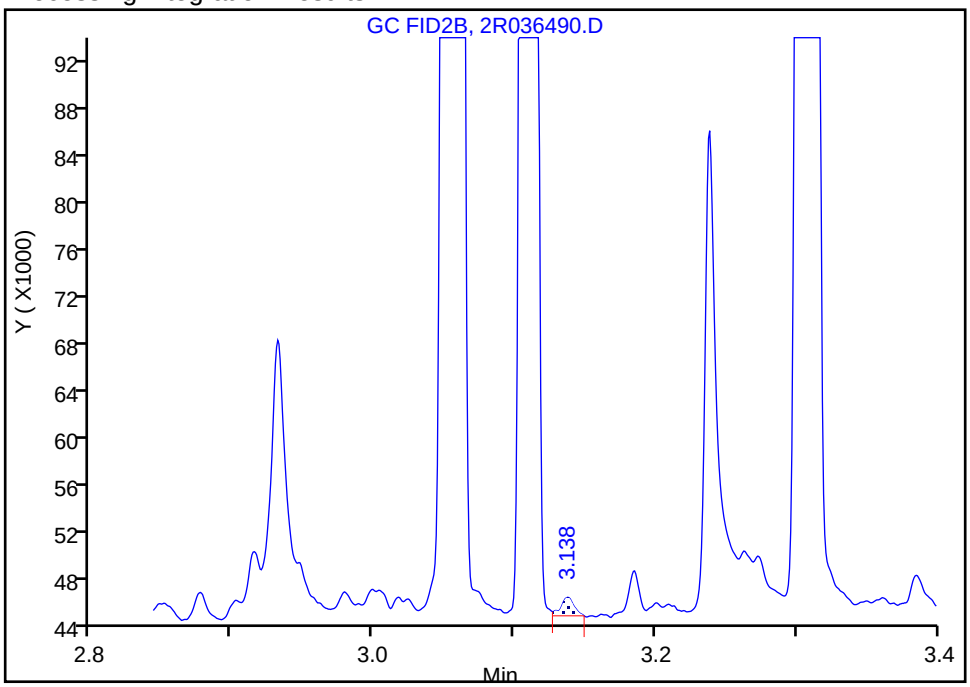
Data File:	\\chromna\Edison\ChromData\CBNAGC2\20191204-102252.b\2R036490.D				
Injection Date:	04-Dec-2019 15:25:50	Instrument ID:	CBNAGC2		
Lims ID:	LCSD 460-659612/10-A				
Client ID:					
Operator ID:		ALS Bottle#:	62	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	DRO2R	Limit Group:	GC 8015C DRO ICAL		
Column:	Rtx Mineral Oil (0.32 mm)	Detector	GC FID1A		

$ 11 o-Terphenyl, CAS: 84-15-1

Signal: 1

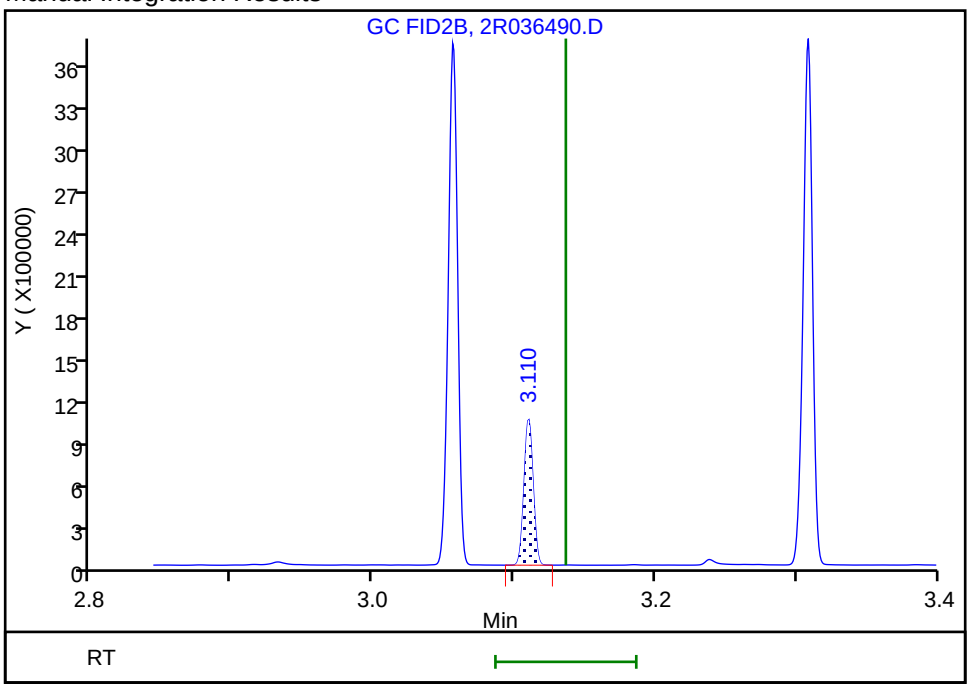
Processing Integration Results

RT: 3.14
Area: 1000
Amount: 0.044279
Amount Units: ug/ml



Manual Integration Results

RT: 3.11
Area: 466080
Amount: 20.637474
Amount Units: ug/ml



Reviewer: mendezb, 04-Dec-2019 15:43:01
Audit Action: Assigned Compound ID Audit Reason:

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B1-G1 MS Lab Sample ID: 460-197843-1 MS

Matrix: Solid Lab File ID: 3F019223.D

Analysis Method: 8015D Date Collected: 12/02/2019 11:00

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 11:02

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: 6.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	114		7.2	0.90
STL00816	C10-C44	126		9.3	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	121		11-126

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B1-G1 MS Lab Sample ID: 460-197843-1 MS

Matrix: Solid Lab File ID: 2R036485.D

Analysis Method: 8015D Date Collected: 12/02/2019 11:00

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/04/2019 14:22

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: 6.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	4.51	J	7.2	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	126		11-126

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B1-G1 MSD Lab Sample ID: 460-197843-1 MSD

Matrix: Solid Lab File ID: 3F019224.D

Analysis Method: 8015D Date Collected: 12/02/2019 11:00

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/03/2019 11:15

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: 6.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659678 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
68334-30-5	#2 Diesel Fuel	146		7.2	0.90
STL00816	C10-C44	170		9.3	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	137	X	11-126

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Client Sample ID: B1-G1 MSD Lab Sample ID: 460-197843-1 MSD

Matrix: Solid Lab File ID: 2R036486.D

Analysis Method: 8015D Date Collected: 12/02/2019 11:00

Extraction Method: 3546 Date Extracted: 12/03/2019 00:50

Sample wt/vol: 15.00(g) Date Analyzed: 12/04/2019 14:35

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-Mineral Oil ID: 0.32(mm)

% Moisture: 6.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 659945 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL02291	C28-C44	19.3		7.2	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	124		11-126

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Instrument ID: CBNAGC2 Start Date: 09/24/2018 11:26

Analysis Batch Number: 554644 End Date: 09/24/2018 14:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-554644/1		09/24/2018 11:26	1		Rtx-Mineral Oil 0.32(mm)
STD2 460-554644/2 IC		09/24/2018 11:52	1	2R027612.D	Rtx-Mineral Oil 0.32(mm)
STD3 460-554644/3 IC		09/24/2018 12:05	1	2R027613.D	Rtx-Mineral Oil 0.32(mm)
STD4 460-554644/4 IC		09/24/2018 12:17	1	2R027614.D	Rtx-Mineral Oil 0.32(mm)
STD5 460-554644/5 IC		09/24/2018 12:30	1	2R027615.D	Rtx-Mineral Oil 0.32(mm)
STD1 460-554644/6 IC		09/24/2018 14:36	1	2R027625.D	Rtx-Mineral Oil 0.32(mm)
ICV 460-554644/7		09/24/2018 14:49	1		Rtx-Mineral Oil 0.32(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Instrument ID: CBNAGC2 Start Date: 12/04/2019 12:11

Analysis Batch Number: 659945 End Date: 12/04/2019 16:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-659945/1		12/04/2019 12:11	1	2R036482.D	Rtx-Mineral Oil 0.32(mm)
CCV 460-659945/2		12/04/2019 13:54	1	2R036483.D	Rtx-Mineral Oil 0.32(mm)
MB 460-659612/1-A		12/04/2019 14:10	1	2R036484.D	Rtx-Mineral Oil 0.32(mm)
460-197843-1 MS		12/04/2019 14:22	1	2R036485.D	Rtx-Mineral Oil 0.32(mm)
460-197843-1 MSD		12/04/2019 14:35	1	2R036486.D	Rtx-Mineral Oil 0.32(mm)
460-197843-1		12/04/2019 14:48	1	2R036487.D	Rtx-Mineral Oil 0.32(mm)
460-197843-2		12/04/2019 15:00	1	2R036488.D	Rtx-Mineral Oil 0.32(mm)
LCS 460-659612/9-A		12/04/2019 15:13	1	2R036489.D	Rtx-Mineral Oil 0.32(mm)
LCSD 460-659612/10-A		12/04/2019 15:25	1	2R036490.D	Rtx-Mineral Oil 0.32(mm)
PIBLK 460-659945/10		12/04/2019 15:51	1	2R036491.D	Rtx-Mineral Oil 0.32(mm)
CCV 460-659945/11		12/04/2019 16:04	1	2R036492.D	Rtx-Mineral Oil 0.32(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Instrument ID: CBNAGC3 Start Date: 02/02/2018 13:54

Analysis Batch Number: 494622 End Date: 02/02/2018 15:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RTC 460-494622/1		02/02/2018 13:54	1		Rtx-Mineral Oil 0.32(mm)
PIBLK 460-494622/2		02/02/2018 14:06	1		Rtx-Mineral Oil 0.32(mm)
STD1 460-494622/3 IC		02/02/2018 14:19	1	3F015196.D	Rtx-Mineral Oil 0.32(mm)
STD2 460-494622/4 IC		02/02/2018 14:31	1	3F015197.D	Rtx-Mineral Oil 0.32(mm)
STD3 460-494622/5 IC		02/02/2018 14:43	1	3F015198.D	Rtx-Mineral Oil 0.32(mm)
STD4 460-494622/6 IC		02/02/2018 14:56	1	3F015199.D	Rtx-Mineral Oil 0.32(mm)
STD5 460-494622/7 IC		02/02/2018 15:08	1	3F015200.D	Rtx-Mineral Oil 0.32(mm)
ICV 460-494622/8		02/02/2018 15:21	1		Rtx-Mineral Oil 0.32(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Instrument ID: CBNAGC3 Start Date: 12/03/2019 09:46

Analysis Batch Number: 659678 End Date: 12/03/2019 12:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RTC 460-659678/1		12/03/2019 09:46	1		Rtx-Mineral Oil 0.32(mm)
PIBLK 460-659678/2		12/03/2019 09:58	1	3F019218.D	Rtx-Mineral Oil 0.32(mm)
CCV 460-659678/3		12/03/2019 10:11	1	3F019219.D	Rtx-Mineral Oil 0.32(mm)
MB 460-659612/1-A		12/03/2019 10:24	1	3F019220.D	Rtx-Mineral Oil 0.32(mm)
LCS 460-659612/2-A		12/03/2019 10:37	1	3F019221.D	Rtx-Mineral Oil 0.32(mm)
LCSD 460-659612/3-A		12/03/2019 10:49	1	3F019222.D	Rtx-Mineral Oil 0.32(mm)
460-197843-1 MS		12/03/2019 11:02	1	3F019223.D	Rtx-Mineral Oil 0.32(mm)
460-197843-1 MSD		12/03/2019 11:15	1	3F019224.D	Rtx-Mineral Oil 0.32(mm)
460-197843-1		12/03/2019 11:28	1	3F019225.D	Rtx-Mineral Oil 0.32(mm)
460-197843-2		12/03/2019 11:42	1	3F019226.D	Rtx-Mineral Oil 0.32(mm)
ZZZZZ		12/03/2019 11:54	1		Rtx-Mineral Oil 0.32(mm)
PIBLK 460-659678/12		12/03/2019 12:07	1	3F019228.D	Rtx-Mineral Oil 0.32(mm)
CCV 460-659678/13		12/03/2019 12:20	1	3F019229.D	Rtx-Mineral Oil 0.32(mm)

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Batch Number: 659612 Batch Start Date: 12/03/19 00:48 Batch Analyst: Silva, Jose

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP Diesel#2 00017	OPDROSU 00032	OPOROSP 00004	
MB 460-659612/1		3546, 8015D		15.00 g	1 mL		1 mL		
LCS 460-659612/2		3546, 8015D		15.00 g	1 mL	1 mL	1 mL		
LCSD 460-659612/3		3546, 8015D		15.00 g	1 mL	1 mL	1 mL		
460-197843-A-1 MS	B1-G1	3546, 8015D	T	15.00 g	1 mL	1 mL	1 mL		
460-197843-A-1 MSD	B1-G1	3546, 8015D	T	15.00 g	1 mL	1 mL	1 mL		
460-197843-A-1	B1-G1	3546, 8015D	T	15.00 g	1 mL		1 mL		
460-197843-A-2	B2-G1	3546, 8015D	T	15.00 g	1 mL		1 mL		
LCS 460-659612/9		3546, 8015D		15.00 g	1 mL		1 mL	0.8 mL	
LCSD 460-659612/10		3546, 8015D		15.00 g	1 mL		1 mL	0.8 mL	
460-197843-A-1	B1-G1	3546, 8015D	T	15.00 g	1 mL		1 mL		
460-197843-A-2	B2-G1	3546, 8015D	T	15.00 g	1 mL		1 mL		

Batch Notes	
Balance ID	12
Batch Comment	DRO SOIL
Blank Matrix ID	181427
Analyst ID - Concentration	JS
Concentration 1 Corrected Temperature	32 Degrees C
Equipment ID - Concentration 1	41888
Analyst ID - Extraction	Jose
Method/Fraction	3546 / 8015D
Microwave Oven ID	MD 1952
Na2SO4 ID	192069
Prep Solvent ID	Methylene Chloride 234778
Analyst ID - Spike Analyst	Jose
Analyst ID - Spike Witness Analyst	AA
Concentration 1 Uncorrected Temperature	32 Degrees C

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.

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Batch Number: 659612 Batch Start Date: 12/03/19 00:48 Batch Analyst: Silva, Jose

Batch Method: 3546 Batch End Date:

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: 460-197843-1

SDG No.:

Project: Rite Aid-801 N. Market

Client Sample ID	Lab Sample ID
B1-G1	460-197843-1
B2-G1	460-197843-2

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-197843-1

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: 460-197843-1

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.: 460-197843-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/02/2019 23:29 End Date: 12/02/2019 23:29

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			23:29																				
460-197843-1	1	T	23:29	X	X																		
460-197843-2	1	T	23:29	X	X																		
460-197843-2 DU	1	T	23:29	X	X																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-197843-1

SDG No.:

Batch Number: 659611 Batch Start Date: 12/02/19 23:29 Batch Analyst: DiGuardia, Joseph L

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-197843-A-1	B1-G1	Moisture	T	393	1.05 g	5.56 g	5.27 g		
460-197843-A-2	B2-G1	Moisture	T	394	1.05 g	6.46 g	6.14 g		
460-197843-A-2 DU	B2-G1	Moisture	T	395	1.04 g	5.42 g	5.15 g		

Batch Notes	
Balance ID	104
Date samples were placed in the oven	12/02/2019
Oven Temp In	109 Degrees C
Time samples were place in the oven	23:33
Date samples were removed from oven	12/03/2019
Oven Temp Out	109 Degrees C
Time Samples were removed from oven	15:11
Oven ID	3
Thermometer ID	181061
Temperature - End - Uncorrected	109 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

eurofins | Environment Testing TestAmerica

South Jersey Service Center

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice): Robert Smagala	Samplers Name (Printed): RBS	Site/Project Identification: Rite Aid - 801 N. Market
Company: Duffield Associates	P. O. #: 12445.FB	State (Location of site): NJ: ☐ NY: ☐ Other: DE
		Regulatory Program: DKQP: ☐
Address: 5400 Limestone Rd	Analysis Turnaround Time: Standard ☐; Rush Charges Authorized For: 3 Day ☐ 2 Day ☐ Other ☒ 24hr	LAB USE ONLY — Project No:
City: Wilmington State: DE		Job No: 197843
Phone: 302-239-6634 Email: RSmagala@duffnet.com		

1-Day RUSH

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	DRO 8015D	PAHs 8270D	HRO								Sample Numbers
B1-G1	12/2/19	11:00	SO	2	X	X	X								1
B2-G1	12/2/19	11:15	SO	2	X	X	X								2
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:	1	1	1								
6 = Other ____, 7 = Other ____				Water:											

460-197843 Chain of Custody

Special Instructions DNREC Tier 0 & 1 Parameters for DRO, PAH, HRO

Water Metals Field Filtered (Yes/No)?____

Relinquished by	Company	Date / Time	Received by	Company
Robert Smagala	DAI	12/2/19 1323	1) [signature]	ET
2) [signature]	EF	12/2/19 1730	2) [signature]	ETA
3) [signature]	ETA	12/2/19 1950	3) Joseph [signature]	TALed 12/2/19 1950
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0715)

4.9c #8

990767

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 197843

Number of Coolers: 1 | IR Gun #: 17

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1	4.1 °C	4.1 °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: DM **Date:** 12/2/19

19784 3

DERBCAP Tier 1

Table 3. DERBCAP Chemicals of Concern

Chemical of Concern (COC)	PRODUCT									
	Gasoline/ Av-Gas		Jet Fuel/Kero		Diesel		Heating Fuel		Used Oil	
	SOIL	GW	SOIL	GW	SOIL	GW	SOIL	GW	SOIL	GW
VOLATILES										
Benzene	X	X	X	X		X		X	X	X
Toluene	X	X	X	X		X		X	X	X
Ethylbenzene	X	X	X	X		X		X	X	X
Xylene (mixed isomers)	X	X	X	X		X		X	X	X
Isopropylbenzene (Cumene)	X	X		X*					X	
ADDITIVES										
Methyl t-butyl ether (MTBE)[2]	X	X	X	X					X	X
Lead[1,3]	X**(T)	X**(D)							X(T)	X(D)
1,2-Dichloroethane (EDC)[3]	X**	X**	X**	X**						
1,2-Dibromoethane (EDB)[3]	X**	X**								
PAH-CARCINOGENIC										
Benzo(a)Anthracene			X		X		X		X	
Benzo(a)Pyrene			X		X		X		X	
Benzo(b)Fluoranthene					X		X		X	
Benzo(k)Fluoranthene					X		X		X	
Chrysene					X	X	X	X	X	X
Indeno(1,2,3-cd)Pyrene					X		X		X	
PAH-NON-CARCINOGENIC										
Acenaphthene					X	X	X	X	X	X
Anthracene					X		X		X	
Fluoranthene					X		X		X	
Fluorene			X		X		X		X	
Naphthalene	X	X	X	X	X	X	X	X	X	X
Phenanthrene			X	X	X	X	X	X	X	X
Pyrene					X		X		X	
OTHER										
PCBs									X	X
Semi-volatiles									X	X
Volatiles									X	X

Notes:

*JP-4 jet fuel only.

** If leaded gasoline, aviation gasoline, or jet fuel.

(D) Dissolved Lead

(T) Total Lead

[1]Samples collected from point of use must be analyzed for Total Lead; samples collected from the aquifer must be analyzed for dissolved lead.

[2]MTBE analysis is required, unless conclusive documentation is presented and pre-approved by the UST Branch confirming that the UST was not in service after January 1, 1978.

[3]For gasoline USTs only, lead, EDB and EDC analysis is required unless conclusive documentation is presented and pre-approved by the UST Branch that the gasoline UST was installed after January 1, 1988. Lead, EDB, and EDC analysis is always required for aviation gasoline USTs.

conditions are encountered or if soil contamination extends beyond the allowable five (5) foot maximum, then the RP must move to Tier 1.

2.3 Tier 0 Analytical Requirements and Concentration Limits

Under the Tier 0 process, petroleum hydrocarbons (PHC) analysis for gasoline and diesel range organics (GRO and DRO) by GC FID or GC MS replaces all prior TPH analytical methods. The action levels are 100 and 1000 parts per million (ppm) PHC in soil, respectively. Tier 0 specifies a benzene action level of 230 parts per billion (ppb) with a total BTEX limit of 10 ppm.

Additionally under Tier 0, analysis for methyl tertiary butyl ether (MTBE) is required when sampling for gasoline, kerosene, jet fuel, used oil and aviation gas. Analyses for lead, EDB and EDC are required when sampling for gasoline (see Table 2, footnote 4). Table 2 specifies the new analytical requirements by substance stored and associated action levels.

Table 2. DERBCAP Tier 0 Soil Sample Analytes and Action Levels by Substance Stored

Analyte	Tier 0 Action Level in Soil	Gasoline	Kerosene and Jet Fuels	Diesel and Heating Fuels	Used Oil[1,2]	Aviation Gas	Heavy Oils	Other[6]
BTEX[5]	Benzene 230 ppb, Total BTEX 10 ppm	X	X		X	X		
GRO	100 ppm	X	X		X	X		
DRO	1,000 ppm		X	X	X			
HRO							X	
LEAD[4]	400 ppm	X						
EDB	10 ppb							
EDC	400 ppb							
MTBE[3]	130 ppb	X	X		X	X		
OTHER[6]	Site by site							X

Notes:

[1]Used oil as defined in Part A, Section 2 of the Delaware *Regulations Governing Underground Storage Tank Systems* and the *Delaware Regulations Governing Hazardous Waste.*

[2]Used oil USTs may also be required to analyze for metals, volatiles, semi-volatiles, EDB, EDC, HRO, total lead or any other analyte as required on a site-specific basis depending on the tank contents. Contact the UST Branch for a determination on analytical requirements prior to sampling.

[3]MTBE analysis is required, unless conclusive documentation is presented and pre-approved by the UST Branch confirming that the UST was not in service after January 1, 1978.

[4]For gasoline USTs only, Lead, EDB and EDC analysis is required, unless conclusive documentation is presented and pre-approved by the UST Branch that the UST was installed after January 1, 1988. Lead, EDB and EDC analysis is always required for aviation gas USTs.

[5]In addition to total BTEX, benzene must be reported separately.

[6]If the UST contained anything other than petroleum products, contact the UST Branch for a determination on sampling procedures and analytical requirements prior to site activities.

Login Sample Receipt Checklist

Client: Duffield Associates

Job Number: 460-197843-1

Login Number: 197843
List Number: 1
Creator: Jara, Kelly D

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.	True	CS #990767
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	