From: Reeti.Doshi@aecom.com
Sent: Thursday, January 02, 2020 4:42 PM
To: Spellman, John (DEC)
Subject: Mechanicville Annual Report

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Reeti Doshi has sent you 1 file using AECOM's File Transfer System.

Reeti Doshi says:

Hi John,

Happy New Year!

Attached please find the annual report summarizing the inspection, monitoring, and sampling activities at the NYSEG Mechanicville Former MGP Site. I will send you the report without the lab data in an email too. Due to the size of the lab reports, I have to use the share point site.

Please let me know if you have any question or have trouble accessing the file.

Thanks
Reeti

This file will be available for download until 1/9/2020

File	Description	Size
2019.01.02 Mechanicville Monitoring Report_September 2019_Full Report.pdf		23,312KB

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https://sendfiles.aecom.com/message.aspx?msgId=d1962fc0-e079-477f-bb7a-d0082fe5251f

If you have any questions, please contact your project manager.

From: Doshi, Reeti <Reeti.Doshi@aecom.com>
Sent: Thursday, January 02, 2020 4:45 PM
To: Spellman, John (DEC)
Cc: tlblazicek@nyseg.com
Subject: Mechanicville Former MGP Site - Annual Report
Attachments: 2019.01.02 Mechanicville Monitoring Report_September 2019_w-o Data Package.pdf

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi John,

Happy New Year!

Attached please find the annual report summarizing the inspection, monitoring, and sampling activities at the NYSEG Mechanicville Former MGP Site. The attached file doesn't contain the lab report. Due to size of the file, I am sending you the full report via "sendfiles", a share point site.

Please let me know if you have any question or have trouble accessing the file.

Thanks
Reeti

Reeti Doshi
Environmental Engineer / Project Manager
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January 2, 2020 **SENT VIA ELECTRONIC MAIL**

Mr. John Spellman
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

Subject: **Mechanicville Site Management**
Status Report (September 2019)
Site #: 546033
NYSEG – Mechanicville Central Avenue Former MGP Site

Dear Mr. Spellman,

On behalf of New York State Electric and Gas Corporation (NYSEG), AECOM has prepared this letter to describe events associated with site management activities at the Mechanicville Central Avenue Former Manufactured Gas Plant (Site) in Mechanicville, NY. The report summarizes activities performed at the Site in September 2019 in accordance with the site management plan (SMP) that was approved by the New York State Department of Conservation (NYSDEC) in April 2011 as well as the periodic review report (PRR) that was approved by the NYSDEC in August 2016.

The Mechanicville former MGP site is located on North Central Avenue in Mechanicville, Saratoga County, NY. The Site is bordered on the east by North Central Avenue (formerly the Champlain Canal); on the south by Ferris Lane; on the west by G. A. Bove & Sons, a fuel distributor; and on the north by the Anthony Kill, a small tributary that flows eastward into the Hudson River.

The SMP requires the following activities:

- Measuring non aqueous phase liquids (NAPL) at selected monitoring wells and removal of NAPL from wells with greater than 6 inches (0.5 feet) of measureable NAPL;
- Monitoring of the Anthony Kill for NAPL blebs quarterly for the first year and evaluated the monitoring frequency to annual as per the 2016 PRR;
- Annual streambank inspections;
- Groundwater sampling of selected wells once every two years until the results meet the groundwater standards, criteria, and guidelines (SCGs) for at least two consecutive sampling events; Last groundwater sampling event was conducted in 2017 and the next one will be in 2021; and
- Indoor air quality sampling is required prior to change in site usage or site development; no buildings are presently located at the site.

NAPL Monitoring

On September 10, 2019, monitoring wells TW-1, TW-2I, TW-3, MW-1D, MW-10D, MW-33D, MW-35I, MW-42D, MW-45I, and MW-46I were monitored to measure the presence of NAPL in each well. The well locations are depicted in Figure 1. To measure NAPL, a weighted cotton string was lowered down the monitoring well casing until the bottom of the monitoring well was reached. The string was then removed from the well and the length of NAPL present on the string was measured. MW-34D and MW-44I have been decommissioned.

The NAPL thickness in select monitoring wells in September 2019 is summarized below in Table 1. The NAPL monitoring observations are also summarized in the Figure 2.

Table 1 - Summary of NAPL Monitoring (September 2019)

Monitoring Well	NAPL Thickness (inches)	NAPL/Water Mixture Removed (Gallons)
MW-1D	NM	0
TW-1	12.0	15
TW-2I	NM	0
TW-3	NM	0
MW-10D	1.5	0
MW-33D	0.5	0
MW-34D	Decommissioned	0
MW-35I	18.0	20
MW-42D	1.0	0
MW-44I	Decommissioned	0
MW-45I	8.0	10

NM = No measureable NAPL observed

NAPL RECOVERY

NAPL was recovered from three wells (TW-1, MW-35I, and MW-45I) with NAPL accumulation of more than 6-inches in September 2019. Combination of peristaltic pump and bailers was used to recover maximum NAPL from the wells. Volume of NAPL/water mixture recovered from each of the three wells is also depicted on Figure 3. Approximately 45 gallons of NAPL mixture was removed from the three wells and stored into a 55-gallon drum pending disposal at an approved disposal facility in accordance with all state and federal regulations. All solid waste (i.e. disposable personal protective equipment, tubing, buckets, strings, wipes, etc.) generated during the gauging and recovery event were stored on-site in a separate 55-gallon drum. Both drums were properly labels and closed pending disposal.

GROUNDWATER MONITORING

On September 10, 2019, depth to groundwater measurements were collected from the monitoring wells and recovery wells designated for NAPL gauging. Depth to groundwater was also collected from the monitoring wells associated with the site prior to the September 2019 groundwater sampling event as required by the SMP. Depth to groundwater and groundwater elevations measured during this monitoring event are included in Table 2.

Groundwater samples were collected from the select monitoring wells on September 10, 11, and 12, 2019. The field parameters were recorded in a field book and monitoring well purging/sampling forms (Attachment 1). A list of select monitoring wells and measurement/analysis parameters is included below.

List of Groundwater Monitoring Wells and Measurement/Analysis Parameters

Monitoring Event	Monitoring Locations		Measurements/Analysis
Groundwater Monitoring Event: September2019	MW-2 MW-2I TW-2S MW-17 MW-17I MW-17D MW-20D	MW-36I MW-36D MW-38I MW-38D MW-39D MW-40D MW-46I	• Water Levels • Field Parameters (DO, ORP, turbidity, temp) • VOCs – Method 8260 • SVOCs – Method 8270 • Cyanide (total) – Method 9012

Sampling Procedure

All sampling activities were recorded in a field notes and monitoring well purging/sampling forms (Attachment 1). Other observations (e.g., well integrity) were also noted on the well sampling logs. All wells were purged and sampled using a peristaltic pump using low flow sampling techniques.

Purging activities were conducted as below:

- Prior to sampling, the static water level was measured to the nearest 0.01 foot from the surveyed well elevation mark on the top of the polyvinyl chloride (PVC) casing with a decontaminated water level indicator. The measurement was recorded in the purging/sampling form. Groundwater elevation contours for the shallow and intermediate intervals are depicted on Figure 4A and for deep interval are depicted on Figure 4B.
- The water level indicator was decontaminated between uses.
- Groundwater was purged using an adjustable flow peristaltic pump and dedicated tubing until field parameters stabilized, up to three well volumes were removed, or 1 hour of continuous purging was performed. Field parameters were considered to be stable when three consecutive readings were within the stabilization criteria for that parameter. The stabilization criteria were as follows: 10% or below 10 NTUs for turbidity, 3% of conductivity and temperature, 0.1 unit for pH, and 10 mV for ORP. Purging was conducted using the low-flow sampling technique specified by the U.S. EPA Region 1 guidance document "Low-Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells" (USEPA, 1996).
- The flow rate measurement was approximately 0.5 liters per minute or less.
- All purge water generated from the groundwater monitoring program was collected and stored in the 55-gallon drum located on-site until arrangements were made to ship the container to an off-site facility for proper disposal.

Sampling activities are detailed below:

- Samples were collected using dedicated polyethylene tubing.
- Prior to filling the sample bottles, the temperature, pH, conductivity, and oxidation reduction potential (ORP) were measured within a flow-through cell. Turbidity was measured with a hand-held turbidity meter. All measurements were recorded in the purging/sampling form.
- Three 40-ml vials with Teflon lined septa and hydrochloric acid as a preservative were filled for analysis of VOCs. The vials were filled to ensure that no bubbles were present in the sample. A 1 liter amber glass was filled for SVOC analysis.

- The sample containers were labeled, placed in a laboratory-supplied cooler, and packed on ice (to maintain a temperature of 4°C). The coolers were delivered to the laboratory for analysis on September 11 and 12, 2019.
- Standard chain of custody procedures were followed. The chain of custody records are included in the Attachment 2.

All sampling and analyses were performed in accordance with the requirements described in the Quality Assurance Project Plan (QAPP) included as Appendix B of the SMP.

Groundwater Sampling Results

A total of 14 groundwater wells were sampled on September 10, 11 and 12, 2019. The samples were analyzed by a New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP) certified laboratory, Test America, for VOCs, SVOCs, and cyanide. The detected groundwater sample results are tabulated and shown in Figure 4. The laboratory data package is included in Attachment 3. The analytical results were also validated by a qualified data validator. The data validation report is included in Attachment 4.

VOCs were detected in three of 14 groundwater samples collected during the September 2019 sampling event and are summarized in Table 3. Benzene was detected at concentration of 12 µg/L in MW-46I and ethylbenzene was detected at concentration of 76 µg/L in TW-2S, above their respective Ambient Water Quality Standards (AWQS) of 1 µg/L and 5 µg/L. All other concentrations were below their respective AWQS.

Various SVOCs, mainly PAHs, were detected in two of 1 groundwater samples collected during the September 2019 sampling event. The detected SVOCs are summarized in Table 4. Total SVOCs concentrations ranged from 5.13 µg/L to 22.6 µg/L. SVOCs were detected at concentrations exceeding the AWQS in the samples collected from MW-38I and MW-46I.

Cyanide was detected in two samples (MW-17 and MW-40D) at concentrations significantly less than the AWQS. The cyanide results are included in Table 5.

STREAMLINE AND CREEK OBSERVATION

The Anthony Kill was observed for signs of visible NAPL blebs on September 10, 2019. No NAPL blebs were observed at the location where the sediment removal occurred. The streamline observation form is included in Attachment 5.

ANNUAL SITE INSPECTION

The annual site inspection was also performed by AECOM on September 10, 2019. The site usage and conditions are consistent with the previous year. Since there are no new occupied structures at the site, indoor air quality monitoring is not required. The concrete slab, asphalt pavement, and gravel cover at the site prevent human exposure to the underlying soils. No significant erosion was noticed at the site. The annual site inspection form is included as Attachment 6.

STREAMBANK STABILIZATION

The stream bank appeared to be completely vegetated with grass and clovers. Twelve trees were noted; two seemed dead.

AECOM

SOIL COVER

The former mechanic's shop and repair building were demolished prior to June as documented in the first quarterly monitoring report (AECOM, August 8, 2011). A compressed natural gas facility was constructed at the site in 2015 and presently remains in the similar condition. The concrete slab and asphalt pavement at the site prevent human exposure to the underlying soils. No significant erosion was noticed at the site.

CONCLUSIONS

Based on the quarterly inspection and groundwater sampling event, the following conclusions were developed:

- NAPL was observed in six of ten gauged wells; in three at thicknesses less than 0.5-ft and in three more than 0.5-ft.
- NAPL was removed from the wells where NAPL thickness greater than 0.5-ft was found during this gauging event. Approximately 45 gallons of NAPL/water mixture was removed from these three wells.
- The groundwater sampling results indicated VOCs and SVOCs exceedances of AWQS in two wells each.
- NAPL blebs were not been observed in the Anthony Kill Creek.
- The streamline is stable and covered with vegetation.
- The exposure to residual soil contamination is effectively prevented by the concrete slab and asphalt pavement. The soil cover did not show sign of significant erosion.
- The institutional control and engineering control (IC/EC) certification will be included in the PRR with formal annual site inspection checklist.

RECOMMENDATIONS

- Complete a PRR for the site by April 2021 (5 years following the approval of the last PRR). The PRR will include the institutional control and engineering control (IC/EC) certification and formal annual site inspection checklist.
- Perform the next bi-annual round of groundwater sampling in July 2021 without any modification to the sampling plan.

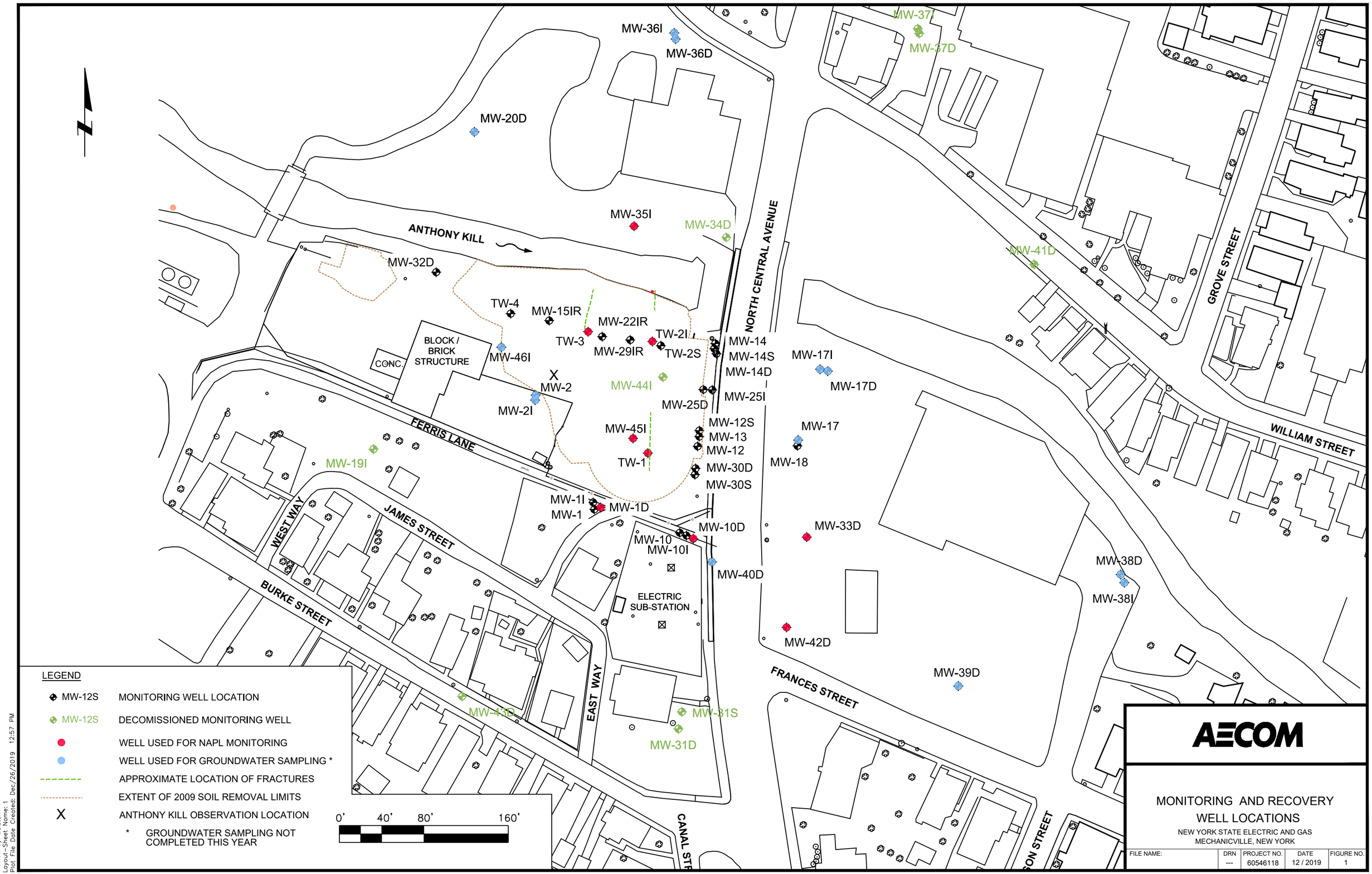
If you have any questions please contact me at (646) 220-8786, or contact me via email at Reeti.Doshi@aecom.com.

Yours sincerely,

Project Manager

cc: T. Blazicek, NYSEG

FIGURES



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MONITORING AND RECOVERY WELL LOCATIONS

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60546118	12 / 2019	1

Plotted By: MeisterK
Layout-Sheet Name: 1
Plot File Date Created: Dec/26/2019 12:57 PM

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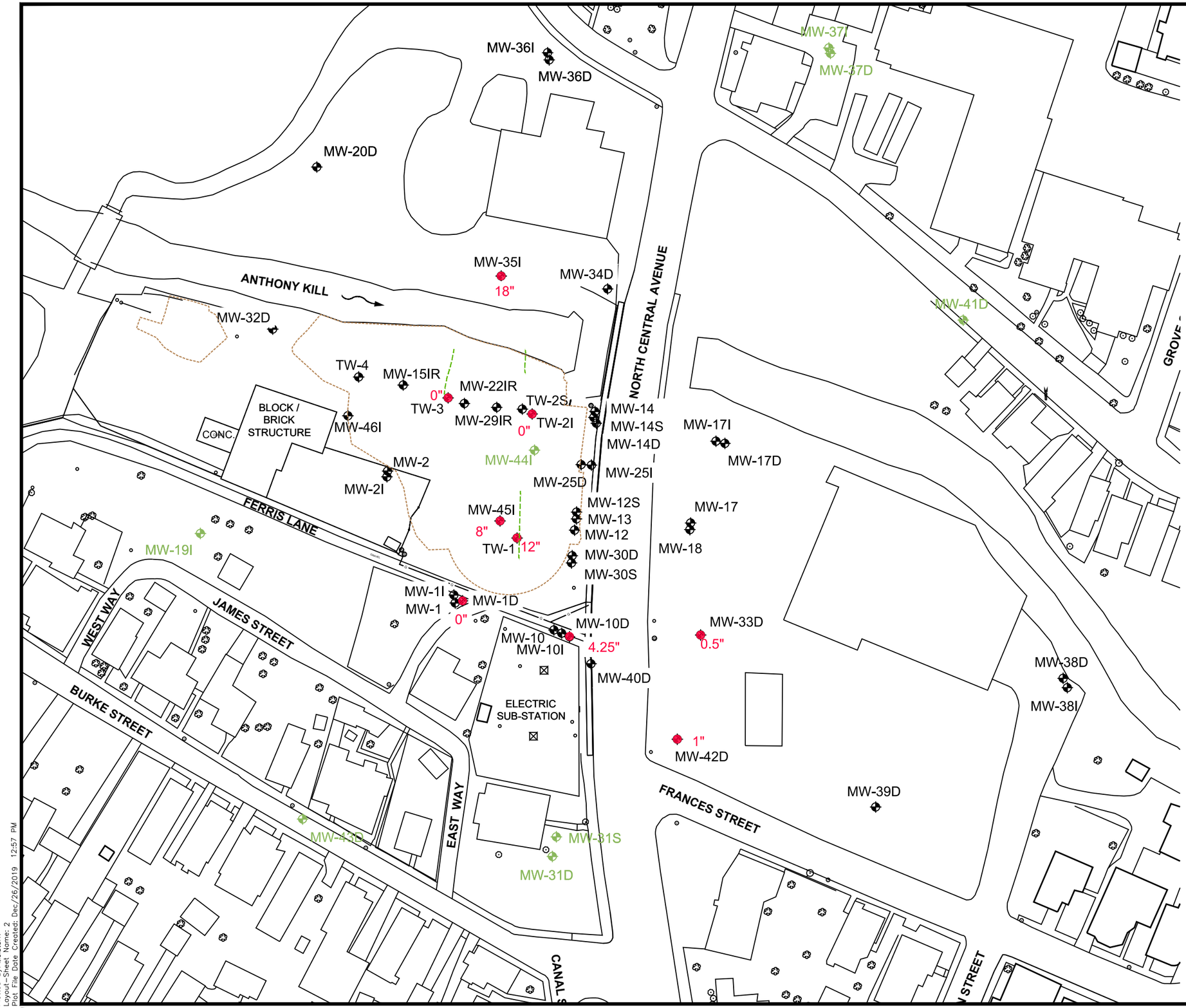

LEGEND

- MW-44I — MONITORING WELL LOCATION
- WELL USED FOR NAPL MONITORING
- 2.5" — NAPL THICKNESS (INCHES) -AUGUST 2018
- APPROXIMATE LOCATION OF FRACTURES
- EXTENT OF 2009 SOIL REMOVAL

N

0' 40' 80' 160'

AECOM

NAPL MONITORING RESULTS SEPTEMBER 2019

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60546118	12 / 2019	2

Plotted By: MeisterK
Layout-Sheet Name: 2
Plot File Date Created: Dec/26/2019 12:57 PM

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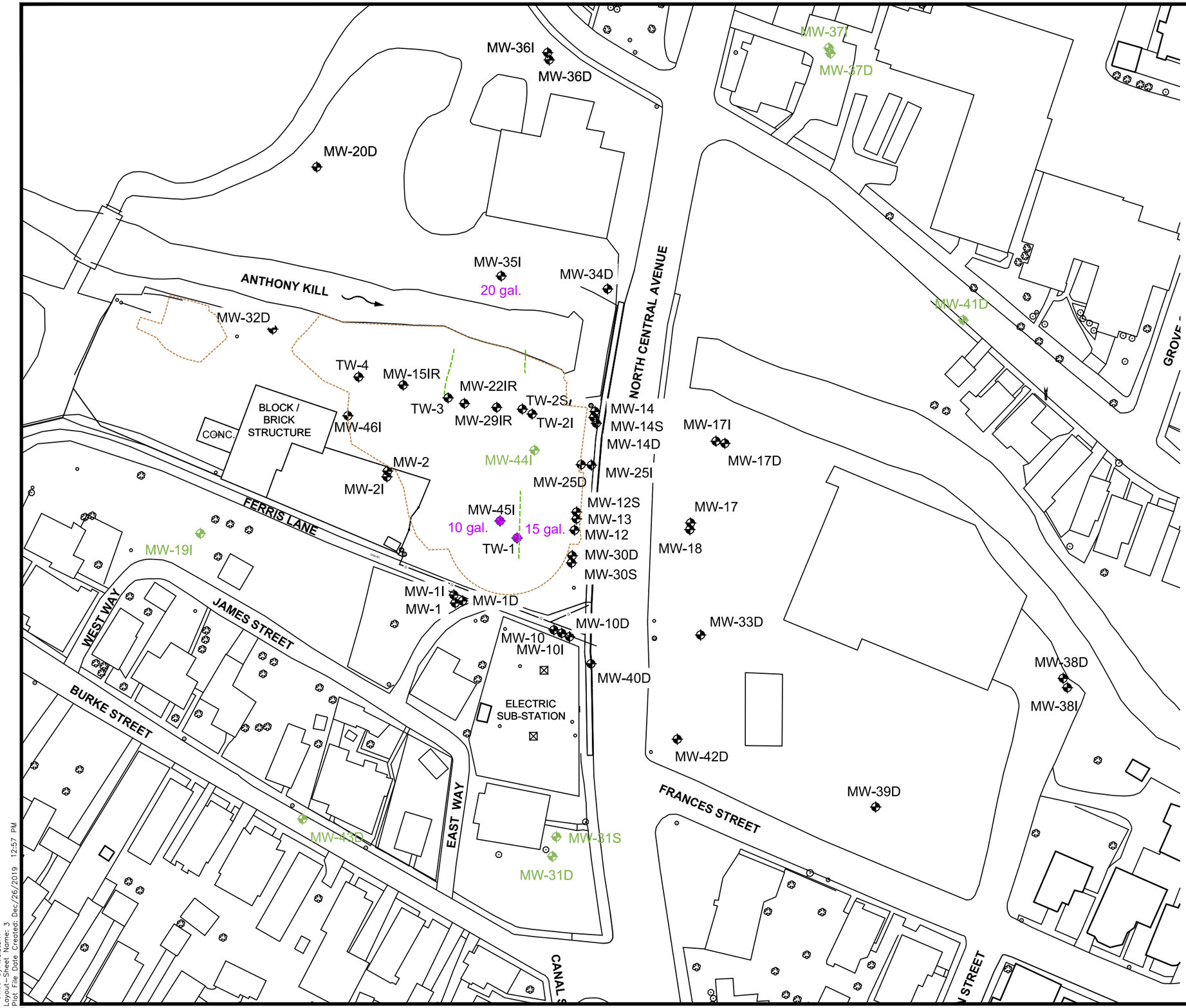

LEGEND

- MW-44I — MONITORING WELL LOCATION
- WELL USED FOR NAPL RECOVERY
- APPROXIMATE LOCATION OF FRACTURES
- EXTENT OF 2009 SOIL REMOVAL
- XX gal. — APPROXIMATE VOLUME OF FLUID (NAPL + WATER) RECOVERED FROM WELL

N

0' 40' 80' 160'

AECOM

NAPL RECOVERY RESULTS SEPTEMBER 2019

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60546118	12 / 2019	3

Plotted By: MeisterK
Layout-Sheet Name: 3
Plot File Date Created: Dec/26/2019 12:57 PM

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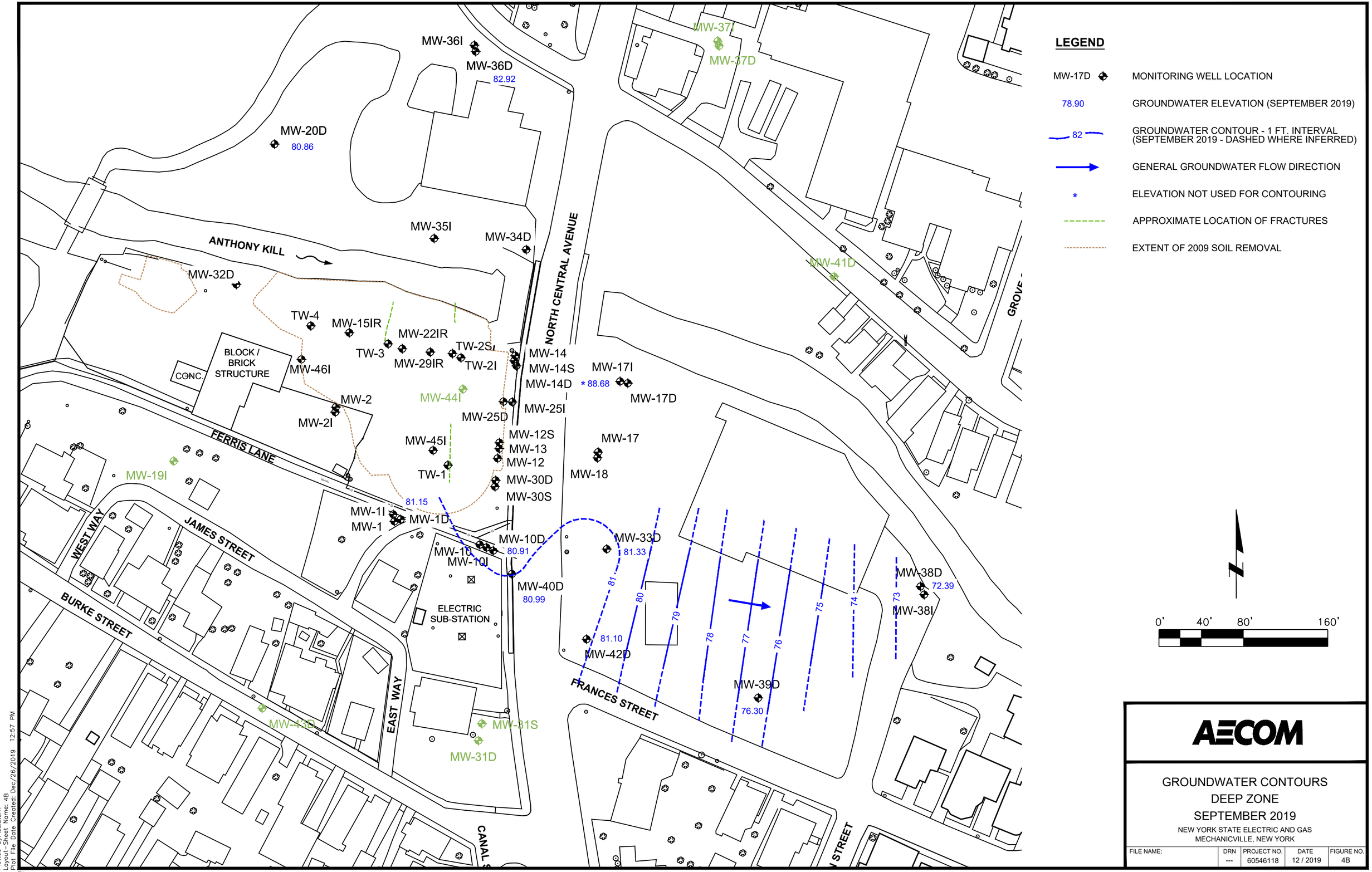

AECOM

GROUNDWATER CONTOURS
DEEP ZONE
SEPTEMBER 2019

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60546118	12 / 2019	4B

Plotted By: MeisterK
Layout-Sheet Name: 4B
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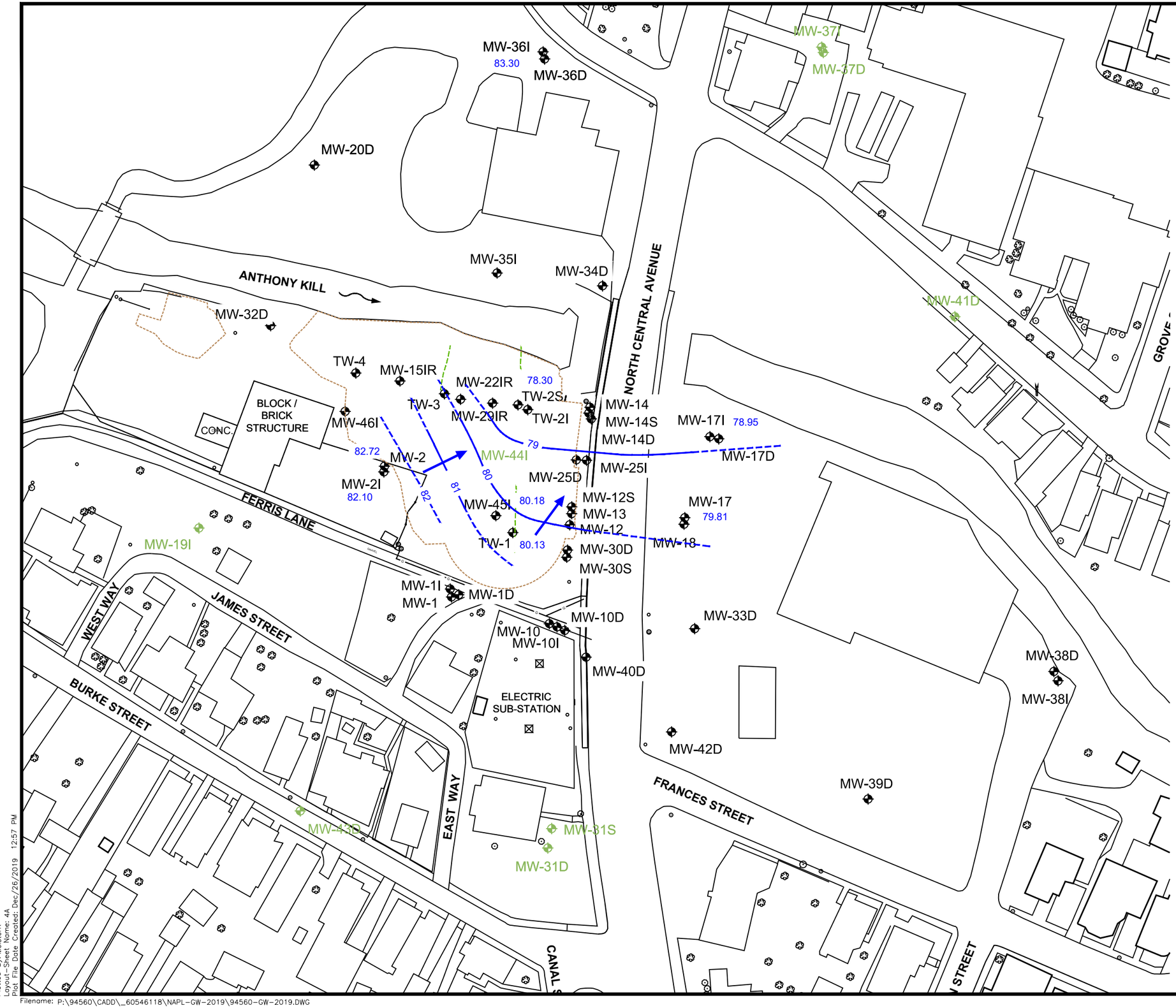

LEGEND

- MW-17I — MONITORING WELL LOCATION
- 78.90 — GROUNDWATER ELEVATION (SEPTEMBER 2019)
- 82 — GROUNDWATER CONTOUR - 1 FT. INTERVAL (SEPTEMBER 2019 - DASHED WHERE INFERRED)
- GENERAL GROUNDWATER FLOW DIRECTION
- APPROXIMATE LOCATION OF FRACTURES
- EXTENT OF 2009 SOIL REMOVAL

0’ 40’ 80’ 160’

AECOM

GROUNDWATER CONTOURS SHALLOW AND INTERMEDIATE ZONES SEPTEMBER 2019

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60546118	12 / 2019	4B

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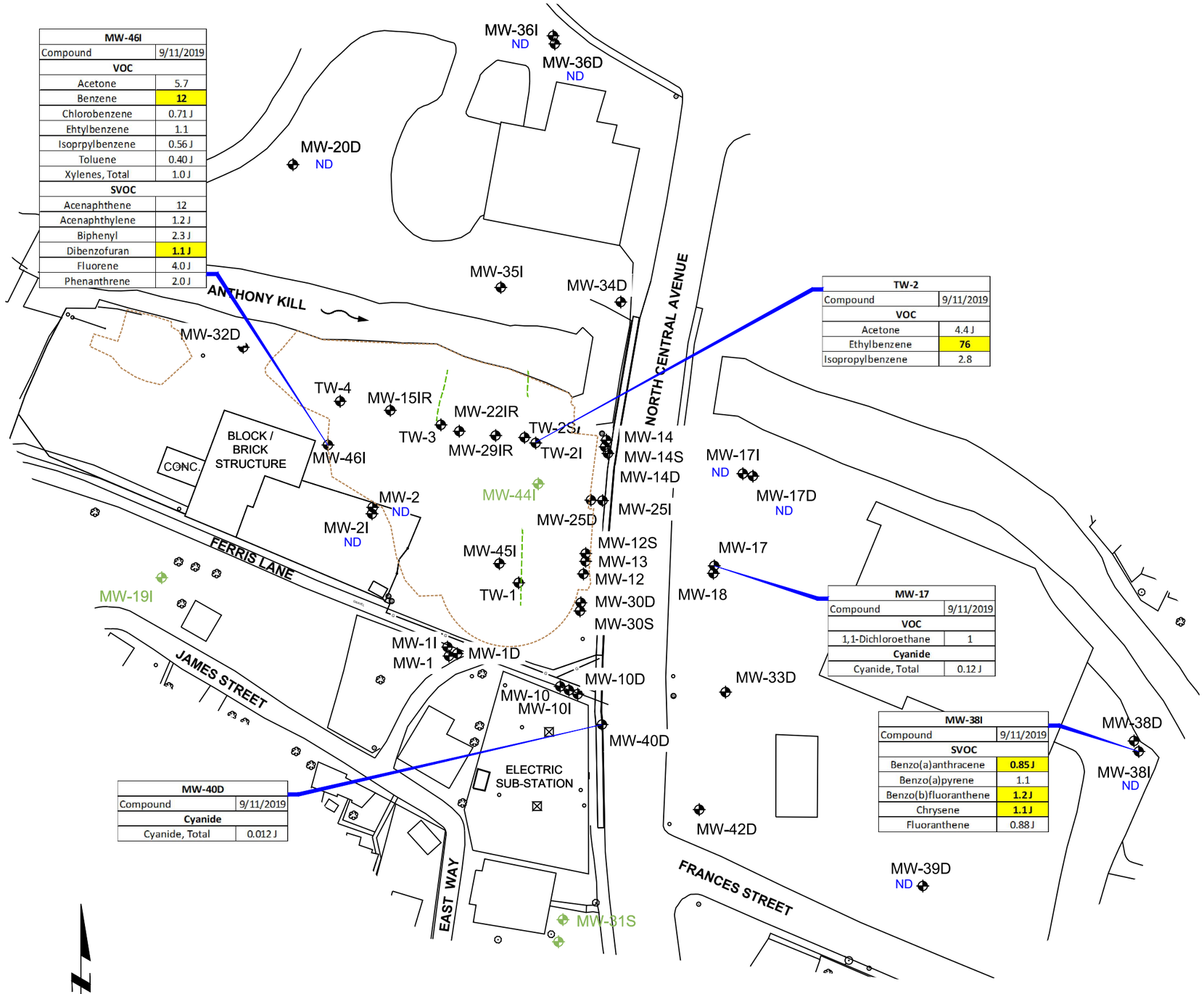

MW-46I	
Compound	9/11/2019
VOC	
Acetone	5.7
Benzene	**12**
Chlorobenzene	0.71 J
Ehtylbenzene	1.1
Isoprpylbenzene	0.56 J
Toluene	0.40 J
Xylenes, Total	1.0 J
SVOC	
Acenaphthene	12
Acenaphthylene	1.2 J
Biphenyl	2.3 J
Dibenzofuran	**1.1 J**
Fluorene	4.0 J
Phenanthrene	2.0 J

TW-2	
Compound	9/11/2019
VOC	
Acetone	4.4 J
Ethylbenzene	**76**
Isopropylbenzene	2.8

MW-17	
Compound	9/11/2019
VOC	
1,1-Dichloroethane	1
Cyanide	
Cyanide, Total	0.12 J

MW-38I	
Compound	9/11/2019
SVOC	
Benzo(a)anthracene	**0.85 J**
Benzo(a)pyrene	1.1
Benzo(b)fluoranthene	**1.2 J**
Chrysene	**1.1 J**
Fluoranthene	0.88 J

MW-40D	
Compound	9/11/2019
Cyanide	
Cyanide, Total	0.012 J

STANDARD / GUIDANCE VALUES

Compound	AWQS/GV
VOC	
Acetone	50 (GV)
Benzene	1
Chlorobenzene	5
1,1-Dichloroethane	5
Ehtylbenzene	5
Isoprpylbenzene	5
Toluene	5
Xylenes	5
SVOC	
Acenaphthene	20 (GV)
Acenaphthylene	NS
Benzo(a)anthracene	0.002 (GV)
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	0.002 (GV)
Biphenyl	5
Chrysene	0.002 (GV)
Dibenzofuran	0.0000007*
Fluorene	50 (GV)
Fluoranthene	50 (GV)
Phenanthrene	50 (GV)
Cyanide	
Cyanide, Total	200

NOTES

1. AWQS / GV VALUES - NYS AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES (TOGS 1.1.1)
2. = COMPOUNDS THAT EXCEED AWQS / GV
3. NS = NO STANDARD
4. ND = NON-DETECT
5. J = ESTIMATED CONCENTRATION
6. UNITS IN ug / L
7. * = THE STANDARD IS FOR CHLORINATED DIBENZOFURAN WHILE THE ANALYSIS DOESN'T SPECIFY IF THE RESULTS ARE FOR CHLORINATED ON NON-CHLORINATED DBF

LEGEND

MW-17D — MONITORING WELL LOCATION

APPROXIMATE LOCATION OF FRACTURES

EXTENT OF 2009 SOIL REMOVAL

AECOM

GROUNDWATER SAMPLING RESULTS SEPTEMBER 2019

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60546118	12/2019	5

Plotted By: MeisterK
Layout-Sheet Name: 5
Plot File Date Created: Dec/26/2019 12:57 PM

Filename: P:\94560\CADD_60546118\NAPL-GW-2019\94560-GW-2019.DWG

TABLES

Table 2 - Summary of Groundwater Meassuremetns
Former NYSEG Mechanicville Central Avenue MGP Site
Mechanicville, New York

Sep, 2019			
Well	MP	Depth to Water	Elevation of Water
MW-1	90.84	NM	NM
MW-1I	90.62	NM	NM
MW-1D	90.46	9.31	81.15
MW-2	88.75	6.03	82.72
MW-2I	88.75	5.85	82.90
MW-10	91.66	Dry	OBS
MW-10I	92.21	12.01	80.20
MW-10D	92.73	11.82	80.91
MW-12	95.95	15.01	80.94
MW-12S	95.97	15.76	80.21
MW-13	96.04	16.10	79.94
MW-14	96.95	NM	NM
MW-14S	96.91	NM	NM
MW-14D	96.66	NM	NM
MW-15IR	87.47	NM	NM
MW-17	93.53	13.72	79.81
MW-17I	93.10	14.15	78.95
MW-17D	93.29	4.61	88.68
MW-18	93.54	13.65	79.89
MW-20D	96.37	15.51	80.86
MW-21	90.82	NM	NM
MW-22IR	87.05	NM	NM
MW-25S	96.03	15.68	80.35
MW-25I	88.74	16.39	72.35
MW-29IR	86.42	NM	NM
MW-30S	95.62	15.21	80.41
MW-30D	95.76	14.62	81.14
MW-32D	90.14	26.00	64.14
MW-33D	93.83	12.50	81.33
MW-34D	93.67	NM	NM
MW-35I	80.43	6.18	74.25
MW-36I	94.20	10.90	83.30
MW-36D	94.22	11.30	82.92
MW-38D	78.64	6.35	72.29
MW-38I	78.66	6.65	72.01
MW-39D	91.90	15.60	76.30
MW-40D	93.95	12.96	80.99
MW-42D	93.45	12.35	81.10
MW-44I	87.37	Decommisioned	NM
MW-45I	88.83	8.65	80.18
MW-46I	87.93	9.10	78.83
TW-1	89.33	9.20	80.13
TW-2S	86.34	8.90	77.44
TW-2I	87.00	8.70	78.30
TW-3	87.15	8.85	78.30
TW-4	87.17	8.92	78.25
Anthony Kill	75.92	3.00	72.92

Notes:
1) NM - Not Measured
2) OBS - Obstruction in well

Table 3
Detected VOCs in Groundwater
September 2019 Sampling Event as Part of Site Management Plan
Mechanicville Central Avenue Former MGP Site

Well Sample ID Sampling Date			MW-2 460-191351-4 9/11/2019	MW-2I 460-191351-5 9/11/2019	TW-2S 460-191351-8 9/11/2019	MW-17 460-191351-13 9/11/2019	MW-17I 460-191351-1 9/10/2019	MW-17D 460-191351-2 9/11/2019	MW-20D 460-191322-2 9/12/2019	MW-36I 460-191351-11 9/11/2019	MW-36D 460-191351-12 9/11/2019	MW-38I 460-1915351-10 9/11/2019	MW-38D 460-191352-9 9/11/2019	MW-39D 460-191322-1 9/12/2019	MW-40D 460-19135-7 9/11/2019	MW-46I 460-19351-6 9/11/2019
Volatiles	**CAS #**	**AWQS/GV Values**														
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	67-64-1	50 (GV)	ND	ND	**4.4 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.7**
Benzene	71-43-2	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**.71 J**
Ehtylbenzene	100-41-4	5	ND	ND	**76**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.1**
Isoprpylbenzene	98-82-8	5	ND	ND	**2.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**.56 J**
Toluene	108-88-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**.40 J**
Xylenes, Total	Xylenes	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.0 J**
Total VOCs			ND	ND	**83.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**20.47**

Notes:
AWQS/GV Values - NYS Ambient Water Quality Standards (TOGs 1.1.1) guidance values.
Only compounds that were detected in one or more samples above Standards are included.
Units are micrograms per liter (µg/L)
ND - Compound not detected at or above the instrument detection limit (IDL).
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Detected concentrations and qualifiers shown in bold font. Shaded cell indicates exceedances of AWQS/GV.

Table 4
Detected SVOCs in Groundwater
September 2019 Sampling Event as Part of Site Management Plan
Mechanicville Central Avenue Former MGP Site

Well Sample ID Sampling Date			MW-2 460-191351-4 9/11/2019	MW-2I 460-191351-5 9/11/2019	TW-2S 460-191351-8 9/11/2019	MW-17 460-191351-13 9/11/2019	MW-17I 460-191351-1 9/10/2019	MW-17D 460-191351-2 9/10/2019	MW-20D 460-191322-2 9/12/2019	MW-36I 460-191351-11 9/11/2019	MW-36D 460-191351-12 9/11/2019	MW-38I 460-1915351-10 9/11/2019	MW-38D 460-191352-9 9/11/2019	MW-39D 460-191322-1 9/12/2019	MW-40D 460-19135-7 9/11/2019	MW-46I 460-19351-6 9/11/2019
Semivolatiles	**CAS #**	**AWQS/GV Values**														
Acenaphthene	83-32-9	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**
Acenaphthylene	208-96-8	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.2 J**
Benzo(a)anthracene	56-55-3	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.85 J**	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.1**	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	0.002 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.2 J**	ND	ND	ND	ND
Biphenyl	92-52-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.3 J**
Chrysene	218-01-9	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.1 J**	ND	ND	ND	ND
Dibenzofuran	132-64-9	7.00E-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.1 J**
Fluoranthene	206-44-0	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.88 J**	ND	ND	ND	ND
Fluorene	86-73-7	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.0 J**
Phenanthrene	85-01-8	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.0 J**
Total SVOCs												**5.13**				**22.6**

Notes:
AWQS/GV Values - NYS Ambient Water Quality Standards (TOGs 1.1.1) guidance values.
Only compounds that were detected in one or more samples above Standards are included.
Units are micrograms per liter (µg/L)
ND - Compound not detected at or above the instrument detection limit (IDL).
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Detected concentrations and qualifiers shown in **bold font**. Shaded cell indicates exceedances of AWQS/GV.

Table 5
Cyanide in Groundwater
September 2019 Sampling Event as Part of Site Management Plan
Mechanicville Central Avenue Former MGP Site

Sample ID			MW-2	MW-2I	TW-2S	MW-17	MW-17I	MW-17D	MW-20D	MW-36I	MW-36D	MW-38I	MW-38D	MW-39D	MW-40D	MW-46I
Lab Sample			460-191351-4	460-191351-5	460-191351-8	460-191351-13	460-191351-1	460-191351-2	460-191351-	460-191351-11	460-191351-12	460-191351-10	460-191351-9	460-191322-1	460-191351-7	460-191351-6
Sampling Date			9/11/2019	9/11/2019	9/11/2019	9/11/2019	9/10/2019	9/10/2019	9/12/2019	9/11/2019	9/11/2019	9/11/2019	9/11/2019	9/12/2019	9/11/2019	9/11/2019
	CAS #	AWQS/GV Value														
Cyanide, Total -	57-12-5	200	ND	ND	ND	**0.12 J**	ND	ND	ND	ND	ND	ND	ND	ND	**0.012 J**	ND

Notes:
AWQS/GV Values - NYS Ambient Water Quality Standards (TOGs 1.1.1) guidance values.
Only compounds that were detected in one or more samples above Standards are included.
Units are micrograms per liter (µg/L)
ND - Compound not detected at or above the instrument detection limit (IDL).
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Detected concentrations and qualifiers shown in **bold font**. Shaded cell indicates exceedances of AWQS/GV.

ATTACHMENT 1
WELL PURGING AND SAMPLING FORMS

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-17I Date: September ten, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-17I 091019 QA/QC Collected? —

Purging / Sampling Method: Low flow peripump

1. L = Well Depth:	93.2	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	14.15	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings					✓	✓
Time	24 hr	14:12	14:17	14:22	14:27	14:32	14:37	14:42
Water Level (0.33)	feet	14.7	14.8	14.8	14.8	14.8	14.95	15.05
Volume Purged	gal	0	0.5	0.75	1	1.25	1.5	1.75
Flow Rate	mL/min	200	200	200	200	200	200	200
Turbidity (+/- 10%)	NTU	99.6	57.6	73.7	67.1	65.1	59.9	55.6
Dissolved Oxygen (+/- 10%)	%	11	5.2	3.5	2.3	2	1.8	1.8
Dissolved Oxygen (+/- 10%)	mg/L	1	0.48	0.33	0.21	0.19	0.16	0.17
Eh / ORP (+/- 10)	MeV	-84.5	-144.2	-175.4	-192	-203	-207.6	-214.5
Specific Conductivity (+/- 3%)	mS/cm[c]	944	1037	1037	1035	1035	1034	1033
Conductivity (+/- 3%)	mS/cm	0.84	0.89	0.89	0.89	0.88	0.88	0.88
pH (+/- 0.1)	pH unit	7.8	7.72	7.75	7.81	7.83	7.87	7.92
Temp (+/- 0.5)	C°	20	17.6	17.4	17.4	17.3	17.4	17.4
Color	Visual	mostly clear	mostly clear	mostly clear	mostly clear	cloudy	cloudy	cloudy
Odor	Olfactory	none	Slight	slight stink	slight stink	stinks	stinks	stinks

Comments:

Sample time @ 15:00

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-17I Date: September 10, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-17I 091019 QA/QC Collected? —

Purging / Sampling Method: Low Flow Peri pump

1. L = Well Depth:		feet
2. D = Riser Diameter (I.D.):	See Page 1	feet
3. W = Depth to Water:		feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	✓ Readings						
Time	24 hr	14:47						
Water Level (0.33)	feet	15.25						
Volume Purged	gal	2						
Flow Rate	mL/min	200						
Turbidity (+/- 10%)	NTU	63.9						
Dissolved Oxygen (+/- 10%)	%	1.6						
Dissolved Oxygen (+/- 10%)	mg/L	0.14						
Eh / ORP (+/- 10)	MeV	-221.1						
Specific Conductivity (+/- 3%)	mS/cm^c	1033						
Conductivity (+/- 3%)	mS/cm	0.88						
pH (+/- 0.1)	pH unit	7.95						
Temp (+/- 0.5)	C°	17.5						
Color	Visual	Cloudy						
Odor	Olfactory	Slight						

Comments:

Sample time @ 15:00

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-17D Date: September 10, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-17D 091019 QA/QC Collected? DUP MS/MSD

Purging / Sampling Method: Low flow peristaltic pump

1. L = Well Depth:	138.23	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	4.61	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	14	14	14	Readings	✓	✓	✓
Time	24 hr	~~0228~~	~~0233~~	~~0238~~	1443	1448	1453	1458
Water Level (0.33)	feet	4.61	4.82	4.85	4.86	4.86	4.85	4.85
Volume Purged	gal	—	.25	.31	.49	.75	.99	1.25
Flow Rate	mL/min	215	215	215	215	215	215	215
Turbidity (+/- 10%)	NTU	17.0	15.1	11.3	12.4	13.0	12.9	12.0
Dissolved Oxygen (+/- 10%)	%	32.6	27.9	26.0	25.6	21.6	21.0	20.0
Dissolved Oxygen (+/- 10%)	mg/L	2.97	2.58	2.44	2.39	2.09	2.05	1.93
Eh / ORP (+/- 10)	MeV	86.7	92.8	92.6	91.7	91.5	91.2	86.3
Specific Conductivity (+/- 3%)	mS/cm[c]	762	752	752	750	754	757	752
Conductivity (+/- 3%)	mS/cm	.68	.67	.66	.65	.64	.64	.64
pH (+/- 0.1)	pH unit	8.72	7.65	7.52	7.46	7.46	7.42	7.47
Temp (+/- 0.5)	C°	19.9	19.2	18.7	18.2	17.3	17.2	17.0
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	None	None	None	None	None	None	None

Comments:

Sample time @ 1505

* 2" PVC inside 4" casing

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-2I Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-2I 091119 QA/QC Collected? —

Purging / Sampling Method: Low Flow Peripump

1. L = Well Depth:	32.20	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	5.85	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings						
Time	24 hr	07:56	8:01	08:06	08:11	08:16	08:21	08:26
Water Level (0.33)	feet	5.85	6	6.15	6.3	6.45	6.6	6.75
Volume Purged	gal	0	0.25	0.5	0.75	1	1.25	1.5
Flow Rate	mL/min	200	200	200	200	200	200	200
Turbidity (+/- 10%)	NTU	63.7	72.1	36.1	131	13.7	25.8	22.9
Dissolved Oxygen (+/- 10%)	%	7.1	3.1	2.3	2.3	1.9	1.8	1.6
Dissolved Oxygen (+/- 10%)	mg/L	0.63	0.3	0.23	0.22	0.17	0.16	0.16
Eh / ORP (+/- 10)	MeV	-147.7	-170.7	-186	-188.7	-194.5	-195.9	-197
Specific Conductivity (+/- 3%)	mS/cm°	2673	2680	2681	2682	2681	2680	2679
Conductivity (+/- 3%)	mS/cm	2.33	2.33	2.33	2.32	2.32	2.32	2.32
pH (+/- 0.1)	pH unit	8.02	7.94	7.93	7.94	7.93	7.94	7.94
Temp (+/- 0.5)	C°	18.4	18.2	18	18	18	18	18
Color	Visual	clear 70%	Particle full	Particle full	Many particles	mostly clear	mostly clear	mostly clear
Odor	Olfactory	Rusty	Slight sewer	Slight	slight	rusty	plastic-y	greasey

Comments:

Sample time @ 08:50

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-2I Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-2I 091119 QA/QC Collected? —

Purging / Sampling Method: low flow peripump

1. L = Well Depth:		feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	9.1	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units		✓	✓	✓ Readings			
Time	24 hr	08:31	08:36	08:41	08:46			
Water Level (0.33)	feet	6.9	7	7.2	7.35			
Volume Purged	gal	1.75	2	2.25	2.5			
Flow Rate	mL/min	200	200	200	200			
Turbidity (+/- 10%)	NTU	17	9.15	4.45	9.98			
Dissolved Oxygen (+/- 10%)	%	1.4	1.8	1.7	1.7			
Dissolved Oxygen (+/- 10%)	mg/L	0.14	0.15	0.15	0.15			
Eh / ORP (+/- 10)	MeV	-198.4	-198.4	-198.4	-197.7			
Specific Conductivity (+/- 3%)	mS/cm^c	2679	2677	2678	2677			
Conductivity (+/- 3%)	mS/cm	2.32	2.32	2.32	2.32			
pH (+/- 0.1)	pH unit	7.94	7.93	7.93	7.93			
Temp (+/- 0.5)	C°	17.9	18	18	18.1			
Color	Visual	mostly clear	mostly clear	clear	clear			
Odor	Olfactory	plastic-y	latex-y	latex-y	gas			

Comments:

Sample time @ 08:50

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-46I Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-46I 091119 QA/QC Collected? —

Purging / Sampling Method: Low flow peripump

1. L = Well Depth:	74.84	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	9.10	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings					✓	✓	✓
Time	24 hr	0930	0935	0940	0945	0950	0955	1000	
Water Level (0.33)	feet	9.10	9.24	9.36	9.32	9.46	9.49	9.52	
Volume Purged	gal	—	.36	.51	.72	.91	1.12	1.30	
Flow Rate	mL/min	200	200	200	200	200	200	200	
Turbidity (+/- 10%)	NTU	416	328	194	86.2	79.9	75.4	71.0	
Dissolved Oxygen (+/- 10%)	%	8.5	4.0	2.9	2.4	2.5	2.5	2.6	
Dissolved Oxygen (+/- 10%)	mg/L	.73	.33	.24	.21	.21	.21	.22	
Eh / ORP (+/- 10)	MeV	-95.4	-116.7	-137.2	-137.4	-135.2	-140.0	-142.4	
Specific Conductivity (+/- 3%)	mS/cm°	806	808	817	819	820	819	819	
Conductivity (+/- 3%)	mS/cm	.76	.78	.79	.79	.80	.80	.81	
pH (+/- 0.1)	pH unit	7.41	7.30	7.38	7.35	7.32	7.34	7.36	
Temp (+/- 0.5)	C°	21.8	23.1	23.5	23.5	23.6	23.9	24.2	
Color	Visual	murky	murky	cloudy	cloudy	cloudy	clear	clear	
Odor	Olfactory	—	—	—	—	—	—	—	

Comments:

Sample time @ 1005

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: TW-28 Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: TW-28 091119 QA/QC Collected? —

Purging / Sampling Method: Low flow peri pump

1. L = Well Depth:	74.91	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	8.9	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

09:53 ↓

Parameter	Units	Readings						
Time	24 hr	09:23	09:28	09:33	09:38	09:43	09:48	[illegible]
Water Level (0.33)	feet	8.9	9.2	9.6	9.9	9.95	10.1	10.3
Volume Purged	gal	0	0.75	1.5	2.25	2.75	3	3.5
Flow Rate	mL/min	200	200	200	200	200	200	200
Turbidity (+/- 10%)	NTU	137	93.3	81.7	81.1	88	92	91.9
Dissolved Oxygen (+/- 10%)	%	2	1.2	0.7	0.7	4.4	2	1.3
Dissolved Oxygen (+/- 10%)	mg/L	0.17	0.11	0.08	0.07	0.36	0.18	0.11
Eh / ORP (+/- 10)	MeV	-237.5	-248.4	-264.9	-272.2	-215.1	-208.3	-212.1
Specific Conductivity (+/- 3%)	mS/cm[c]	240.5	320.3	213.9	181.6	102.6	96.1	92.5
Conductivity (+/- 3%)	mS/cm	0.198	0.262	0.18	0.154	0.088	0.082	0.078
pH (+/- 0.1)	pH unit	7.99	7.72	7.83	7.95	8.37	7.41	7.8
Temp (+/- 0.5)	C°	16.8	16.7	16.8	16.8	17.8	17.5	17.6
Color	Visual	brown	brown	brown	brown tint	brown	brown tint	brown tint
Odor	Olfactory	Petro	slight petro	slight petro	Petro	Plastic	slight petro	Petro

Comments:

Sample time @

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: TW-2S Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: TW-2S 091119 QA/QC Collected? _____

Purging / Sampling Method: See Page 7

1. L = Well Depth:	_____	feet
2. D = Riser Diameter (I.D.):	_____	feet
3. W = Depth to Water:	_____	feet
4. C = Column of Water in Well:	_____	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	_____	gal
6. 3(V) = Target Purge Volume	_____	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using See Page 7

Parameter	Units	Readings						
		✓	✓					
Time	24 hr	09:58	10:03					
Water Level (0.33)	feet	10.5	10.7					
Volume Purged	gal	4	4.5					
Flow Rate	mL/min	200	200					
Turbidity (+/- 10%)	NTU	91.7	91.4					
Dissolved Oxygen (+/- 10%)	%	1.3	1.2					
Dissolved Oxygen (+/- 10%)	mg/L	0.1	0.11					
Eh / ORP (+/- 10)	MeV	-220.8	-221.1					
Specific Conductivity (+/- 3%)	mS/cm[c]	87.3	88.1					
Conductivity (+/- 3%)	mS/cm	0.077	0.077					
pH (+/- 0.1)	pH unit	7.82	7.84					
Temp (+/- 0.5)	C°	17.7	17.6					
Color	Visual	brown tint	brown tint					
Odor	Olfactory	gas	Petro					

Comments:

Sample time @ 1020

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-40D Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-40D 091119 QA/QC Collected? —

Purging / Sampling Method: Low flow Peripump

1. L = Well Depth:	17.9	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	12.96	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings						
Time	24 hr	10:55	11:00	11:05	11:10	11:15	11:20	11:25
Water Level (0.33)	feet	12.96	14.66	15.02	15.51	16.07	16.33	16.57
Volume Purged	gal	0	0.25	0.5	0.6	0.75	1	1.25
Flow Rate	mL/min	175	175	175	175	175	175	175
Turbidity (+/- 10%)	NTU	18.4	2.39	2.71	3.47	6.87	0.9	2.34
Dissolved Oxygen (+/- 10%)	%	12.5	6	5.5	4.2	3.3	2.6	2.3
Dissolved Oxygen (+/- 10%)	mg/L	1.15	0.58	0.5	0.38	0.3	0.24	0.2
Eh / ORP (+/- 10)	MeV	-61.1	-84.6	-128.7	-154	-164.1	-170.4	-175.4
Specific Conductivity (+/- 3%)	mS/cm[c]	136.7	115.9	209.7	1794	2476	2777	2875
Conductivity (+/- 3%)	mS/cm	0.116	0.099	0.211	1.6	2.15	2.39	2.47
pH (+/- 0.1)	pH unit	8.34	7.14	6.91	7.04	7.07	7.03	7.01
Temp (+/- 0.5)	C°	17.4	17.2	18.1	18.7	18	17.6	17.7
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	none	none	none	none	none	none	none

Comments:

Sample time @ 11:45

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-40D Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-40D 091119 QA/QC Collected? —

Purging / Sampling Method: Low flow Peripump

1. L = Well Depth:	See Page 1	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:		feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	✓	✓	✓	Readings			
Time	24 hr	11:30	11:35	11:40				
Water Level (0.33)	feet	16.68	16.8	16.95				
Volume Purged	gal	1.4	1.75	2				
Flow Rate	mL/min	175	175	175				
Turbidity (+/- 10%)	NTU	1.37	9.75	2.77				
Dissolved Oxygen (+/- 10%)	%	1.9	1.8	1.9				
Dissolved Oxygen (+/- 10%)	mg/L	0.19	0.18	0.18				
Eh / ORP (+/- 10)	MeV	-179.8	-182.9	-182.5				
Specific Conductivity (+/- 3%)	mS/cm[c]	2901	2931	2951				
Conductivity (+/- 3%)	mS/cm	2.51	2.52	2.56				
pH (+/- 0.1)	pH unit	6.99	6.97	6.98				
Temp (+/- 0.5)	C°	17.9	17.6	17.8				
Color	Visual	clear	clear	clear				
Odor	Olfactory	none	none	none				

Comments:

Sample time @ 11:45

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-38D Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-38D 091119 QA/QC Collected? —

Purging / Sampling Method: Low flow Peripump

1. L = Well Depth:	170	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	6.35	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings				✓	✓	✓
Time	24 hr	1230	1335	1240	1245	1250	1255	1300
Water Level (0.33)	feet	6.35	6.51	6.61	6.71	6.72	6.74	6.80
Volume Purged	gal	—	.85	.70	1.00	1.25	1.64	2.00
Flow Rate	mL/min	200	200	200	200	200	200	200
Turbidity (+/- 10%)	NTU	9.07	7.13	7.10	4.56	3.77	3.74	3.11
Dissolved Oxygen (+/- 10%)	%	17.0	14.5	14.0	13.2	12.8	13.1	12.9
Dissolved Oxygen (+/- 10%)	mg/L	1.59	1.37	1.33	1.25	1.22	1.24	1.23
Eh / ORP (+/- 10)	MeV	14.2	20.9	19.6	17.2	16.1	15.2	15.2
Specific Conductivity (+/- 3%)	mS/cm°	641	641	640	640	640	639	639
Conductivity (+/- 3%)	mS/cm	.56	.55	.56	.55	.55	.55	.55
pH (+/- 0.1)	pH unit	8.14	8.09	8.09	8.09	8.09	8.09	8.09
Temp (+/- 0.5)	C°	18.2	18.0	18.1	17.8	17.8	17.7	17.6
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	—	—	—	—	—	—	—

Comments:

Sample time @ 1305

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-38I Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-38I 091119 QA/QC Collected? —

Purging / Sampling Method: low flow peri pump

1. L = Well Depth:	124.42	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	6.65	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings					✓	✓
Time	24 hr	12:22	12:27	12:32	12:37	12:42	12:47	12:52
Water Level (0.33)	feet	6.65	6.8	6.93	7.1	7.25	7.4	7.61
Volume Purged	gal	0	0.2	0.5	0.75	1	1.25	1.5
Flow Rate	mL/min	175	175	175	175	175	175	175
Turbidity (+/- 10%)	NTU	26.7	6.74	4.32	4.07	3.5	4.75	4.3
Dissolved Oxygen (+/- 10%)	%	36.2	3.6	2.7	1.9	1.4	1.4	1.3
Dissolved Oxygen (+/- 10%)	mg/L	2.04	0.35	0.24	0.17	0.14	0.14	0.13
Eh / ORP (+/- 10)	MeV	-82.5	-71.5	-87.4	-107	-118.5	-126.3	-130.5
Specific Conductivity (+/- 3%)	mS/cm^c	54.2	41.6	41.1	40.9	41.2	41.2	41.5
Conductivity (+/- 3%)	mS/cm	0.047	0.036	0.035	0.035	0.035	0.035	0.035
pH (+/- 0.1)	pH unit	8.03	6.49	6.31	6.37	6.43	6.49	6.51
Temp (+/- 0.5)	C°	18.6	17.7	17.4	17.4	17.2	17.2	17.1
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	petro	slight petro	petro	petro	petro	petro	petro

Comments:

Sample time @ 13:05

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-38I Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-38I091119 QA/QC Collected? —

Purging / Sampling Method: low flow peri pump

1. L = Well Depth:	_____	feet
2. D = Riser Diameter (I.D.):	_____	feet
3. W = Depth to Water:	_____	feet
4. C = Column of Water in Well:	_____	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	_____	gal
6. 3(V) = Target Purge Volume	_____	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	✓ Readings						
Time	24 hr	12:57						
Water Level (0.33)	feet	7.8						
Volume Purged	gal	1.75						
Flow Rate	mL/min	175						
Turbidity (+/- 10%)	NTU	3.21						
Dissolved Oxygen (+/- 10%)	%	1.3						
Dissolved Oxygen (+/- 10%)	mg/L	0.13						
Eh / ORP (+/- 10)	MeV	−135						
Specific Conductivity (+/- 3%)	mS/cm^c	41.8						
Conductivity (+/- 3%)	mS/cm	0.036						
pH (+/- 0.1)	pH unit	6.54						
Temp (+/- 0.5)	C°	17.6						
Color	Visual	clear						
Odor	Olfactory	petro						

Comments:

Sample time @ 13:05

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-36D Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-36D 091119 QA/QC Collected? —

Purging / Sampling Method: low flow peri pump

1. L = Well Depth:	169.75	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	11.3	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings						
Time	24 hr	13:52	13:57	14:02	14:07	14:12		
Water Level (0.33)	feet	11.3	11.5	11.65	11.8	11.45		
Volume Purged	gal	0	0.3	0.5	0.75	1		
Flow Rate	mL/min	175	175	175	175	175		
Turbidity (+/- 10%)	NTU	5.25	3.87	3.33	3.06	3.5		
Dissolved Oxygen (+/- 10%)	%	85	68.7	69.2	69.2	70.4		
Dissolved Oxygen (+/- 10%)	mg/L	7.8	6.29	6.37	6.35	6.5		
Eh / ORP (+/- 10)	MeV	2.7	1.6	9.4	14.9	15.8		
Specific Conductivity (+/- 3%)	mS/cm^c	724	721	722	722	719		
Conductivity (+/- 3%)	mS/cm	0.64	0.64	0.64	0.64	0.64		
pH (+/- 0.1)	pH unit	9.68	9.75	9.74	9.69	9.73		
Temp (+/- 0.5)	C°	19.2	19.5	19.3	19.2	19.1		
Color	Visual	clear	clear	clear	clear	clear		
Odor	Olfactory	latexy	latexy	latexy	latexy	latexy		

Comments:

Sample time @ 14:20

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-36I Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-36I 091119 QA/QC Collected? —

Purging / Sampling Method: Low flow Peripump

1. L = Well Depth:	44.95	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	10.9	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings ✓					✓	✓
Time	24 hr	1355	1400	1405	1410	1415	1420	1425
Water Level (0.33)	feet	10.9	11.4	11.56	11.60	11.63	11.65	11.68
Volume Purged	gal	—	—	—	—	—	—	—
Flow Rate	mL/min	210	210	210	210	210	210	210
Turbidity (+/- 10%)	NTU	13.4	11.1	10.1	11.0	9.7	9.8	9.5
Dissolved Oxygen (+/- 10%)	%	9.9	4.5	3.4	2.9	2.7	2.4	2.3
Dissolved Oxygen (+/- 10%)	mg/L	.93	.40	.32	.26	.23	.22	.21
Eh / ORP (+/- 10)	MeV	-152.9	-170.9	-178.5	-182.9	-181.6	-182.9	-183.3
Specific Conductivity (+/- 3%)	mS/cm^c	1210	1217	1218	1215	1216	1217	1219
Conductivity (+/- 3%)	mS/cm	1.07	1.09	1.09	1.10	1.09	1.09	1.10
pH (+/- 0.1)	pH unit	7.71	7.94	8.00	8.07	8.08	8.10	8.09
Temp (+/- 0.5)	C°	18.7	19.9	19.6	19.9	19.6	19.6	20.0
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	—	—	—	—	—	—	—

Comments:

Sample time @ 1435

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-17 Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-17 091119 QA/QC Collected? —

Purging / Sampling Method: low flow Peristaltic pump

1. L = Well Depth:	21.83	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	13.72	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU ✓ ✓ ✓

Parameter	Units	Readings						
Time	24 hr	14:51	14:56	15:01	15:06	15:11		
Water Level (0.33)	feet	13.72	14.15	14.56	14.9	15.27		
Volume Purged	gal	0	0.25	0.5	0.75	1		
Flow Rate	mL/min	175	175	175	175	175		
Turbidity (+/- 10%)	NTU	OR	4.99	4.99	4.99	4.99		
Dissolved Oxygen (+/- 10%)	%	48.5	3	2.3	2.1	2.1		
Dissolved Oxygen (+/- 10%)	mg/L	3.8	0.28	0.21	0.2	0.2		
Eh / ORP (+/- 10)	MeV	28.3	-2.4	-6.2	-10.6	-15.1		
Specific Conductivity (+/- 3%)	mS/cm°	1955	1933	1933	1924	1932		
Conductivity (+/- 3%)	mS/cm	1.71	1.71	1.7	1.68	1.68		
pH (+/- 0.1)	pH unit	7.43	6.85	6.85	6.86	6.88		
Temp (+/- 0.5)	C°	18.6	18.9	18.5	18.4	18.2		
Color	Visual	brown	cloudy	cloudy	cloudy	cloudy		
Odor	Olfactory	none	none	none	Slight	petro		

Comments:

Sample time @ 15:20

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-2 Date: September 11, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-2 091119 QA/QC Collected? —

Purging / Sampling Method: Low flow Peripump

1. L = Well Depth:	16.2	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	6.03	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings						
Time	24 hr	0805	0810	0815	0820	0825	0830	0835
Water Level (0.33)	feet	6.03	6.71	7.03	7.12	7.31	7.46	7.52
Volume Purged	gal	—	.15	.20	.45	.67	.85	1.00
Flow Rate	mL/min	150	150	150	150	150	150	150
Turbidity (+/- 10%)	NTU	805	190	86.0	92.2	90.1	86.2	80.7
Dissolved Oxygen (+/- 10%)	%	12.7	4.6	3.7	3.2	2.9	2.8	2.8
Dissolved Oxygen (+/- 10%)	mg/L	1.07	.42	.34	.29	.27	.25	.25
Eh / ORP (+/- 10)	MeV	124.8	119.7	111.3	107.3	101.4	99.9	96.9
Specific Conductivity (+/- 3%)	mS/cm°	1116	1106	1097	1091	1088	1088	1086
Conductivity (+/- 3%)	mS/cm	1.01	1.01	1.00	.99	.99	.99	.99
pH (+/- 0.1)	pH unit	7.78	7.25	7.20	7.16	7.13	7.13	7.13
Temp (+/- 0.5)	C°	19.7	20.3	20.4	20.4	20.4	20.4	20.4
Color	Visual	murky	murky	murky	clear	clear	clear	clear
Odor	Olfactory	—	—	—	—	—	—	—

Comments:

Sample time @ 0840

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-39D Date: September 12, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-39D 091219 QA/QC Collected? —

Purging / Sampling Method: low flow Peri pump

1. L = Well Depth:	144.94	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	15.6	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	[redacted]	✓	✓ Readings	✓		
Time	24 hr	07:55	08:00	08:05	08:10	08:15	
Water Level (0.33)	feet	15.6	[redacted] *	[redacted] ☆	16.85	17.1	
Volume Purged	gal	0	0.25	0.5	0.75	1	
Flow Rate	mL/min	175	175	175	175	175	
Turbidity (+/- 10%)	NTU	2.88	2.47	1.52	6.08	2.3	
Dissolved Oxygen (+/- 10%)	%	67.3	63.2	62.1	62	62.6	
Dissolved Oxygen (+/- 10%)	mg/L	6.45	6.08	5.99	6.03	6.07	
Eh / ORP (+/- 10)	MeV	105.7	112.3	115.1	117.3	119.3	
Specific Conductivity (+/- 3%)	mS/cm^c	766	763	763	762	761	
Conductivity (+/- 3%)	mS/cm	0.65	0.64	0.64	0.64	0.64	
pH (+/- 0.1)	pH unit	7.96	7.82	7.77	7.75	7.74	
Temp (+/- 0.5)	C°	16.8	16.9	16.8	16.7	16.6	
Color	Visual	clear	clear	clear	clear	clear	
Odor	Olfactory	none	none	none	none	none	

Comments:

Sample time @ 08:25

* = 16.4 ☆ = 16.7

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-20D Date: September 12, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-20D 091219 QA/QC Collected? —

Purging / Sampling Method: Low flow Peri pump

1. L = Well Depth:	111.59	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Depth to Water:	15.54	feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings						
Time	24 hr	09:24	09:29	09:34	09:39	09:44	09:49	09:54
Water Level (0.33)	feet	15.54	16.04	16.43	16.60	16.87	17.18	17.43
Volume Purged	gal	0	0.25	0.5	0.75	1	1.25	1.5
Flow Rate	mL/min	175	175	175	175	175	175	175
Turbidity (+/- 10%)	NTU	25.9	23.6	23.3	23.6	19.3	23.2	24.2
Dissolved Oxygen (+/- 10%)	%	15.2	4.4	5.2	3.9	3.9	3.1	3.1
Dissolved Oxygen (+/- 10%)	mg/L	1.45	0.47	0.58	0.41	0.38	0.34	0.35
Eh / ORP (+/- 10)	MeV	76	67.6	48.8	35.7	28	22.1	17.5
Specific Conductivity (+/- 3%)	mS/cm^c	697	690	574.9	576.2	576.3	575.5	575.3
Conductivity (+/- 3%)	mS/cm	0.54	0.54	0.448	0.448	0.448	0.448	0.447
pH (+/- 0.1)	pH unit	9.64	9.51	9.8	9.87	9.89	9.88	9.9
Temp (+/- 0.5)	C°	13.3	13.2	13.4	13.4	13.4	13.4	13.3
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	none	none	none	none	none	none	none

Comments:

Sample time @ 10:05

Monitoring Well Purging / Sampling Form

Project Name and Number: Mechanicville NYSEG 60546118 task 8.2

Monitoring Well Number: MW-20D Date: September 12, 2019

Samplers: Alexandra Golden and Renata Spinosa

Sample Number: MW-20D 091219 QA/QC Collected? —

Purging / Sampling Method: low flow peri pump

1. L = Well Depth:		feet
2. D = Riser Diameter (I.D.):	See Page 1	feet
3. W = Depth to Water:		feet
4. C = Column of Water in Well:		feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)		gal
6. 3(V) = Target Purge Volume		gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI + NTU

Parameter	Units	Readings						
Time	24 hr	09:59						
Water Level (0.33)	feet	17.54						
Volume Purged	gal	1.75						
Flow Rate	mL/min	175						
Turbidity (+/- 10%)	NTU	23.1						
Dissolved Oxygen (+/- 10%)	%	3.3						
Dissolved Oxygen (+/- 10%)	mg/L	0.34						
Eh / ORP (+/- 10)	MeV	13.7						
Specific Conductivity (+/- 3%)	mS/cm^c	575.1						
Conductivity (+/- 3%)	mS/cm	0.447						
pH (+/- 0.1)	pH unit	9.91						
Temp (+/- 0.5)	C°	13.3						
Color	Visual	clear						
Odor	Olfactory	none						

Comments:

Sample time @ 10:05

ATTACHMENT 2
CHAIN OF CUSTODY

Chain of Custody Record

383537

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ss: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Reeti Dosni	Site Contact:	Date: 09/11/19	COC No:
Company Name: AECOM	Tel/Email: reeti.dosni@aecom	Lab Contact:	Carrier: FedEx	1 of 2 COCs
Address: 40 British American Blvd	Analysis Turnaround Time			Sampler:
City/State/Zip: Latham NY 12110	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 518 9254951	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: NYSEG Mechanicville	STANDARD TAT			Job / SDG No.:
Site:				
PO # 60546118				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270D SVOCs	8270C VOCs	9012B-1 Cyanide	Sample Specific Notes:
MW-171 091019	09/10/19	1506	G	GW	6	N	N	X	X	X	
MW-170 091019	↓	1505	↓	↓	↓	Y	Y	X	X	X	
MS/MSD	—	—	↓	↓	12	N	N	X	X	X	
DUP	—	—	↓	↓	↓	N	N	X	X	X	
MW-2 091119	09/11/19	0840	↓	↓	↓	N	N	X	X	X	
MW-2I 091119	↓	0850	↓	↓	↓	N	N	X	X	X	
MW-46I 091119	↓	1005	↓	↓	↓	N	N	X	X	X	
MW-40D 091119	↓	1145	↓	↓	↓	N	N	X	X	X	
TW-2S 091119	↓	1020	↓	↓	↓	N	N	X	X	X	
MW-38D 091119	↓	1305	↓	↓	↓	N	N	X	X	X	
MW-38I 091119	↓	1305	↓	↓	↓	N	N	X	X	X	
MW-36I 091119	↓	1435	↓	↓	↓	N	N	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Cat B report

Custody Seals Intact: ☑ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AECOM	9/11/19 1800			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

383538

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name:	Tel/Email:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip: see pg 2	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ STANDARD ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name:				Job / SDG No.:
Site:				
P O #				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8270D SVOCs	8260B VOCs	9012B Cyanide	Sample Specific Notes:
MW-360 091119	09/11/19		G	GW	6	N	N	X	X	X	
MW-17 091119	↓		↓	↓	6	N	N	X	X	X	
(AG)											

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:
CAT B

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: AECOM	Date/Time: 09/11/19 1900	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

383539

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Reeti Doshi	Site Contact:	Date: 9/12/19	COC No: 1 of 1 COCs
Company Name: AECOM	Tel/Email:	Lab Contact:	Carrier:	Sampler:
Address: 40 British American Blvd	Analysis Turnaround Time			For Lab Use Only:
City/State/Zip: Latham NY 12110	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: 518 925 4951	TAT if different from Below _____			Lab Sampling:
Fax:	☐ 2 weeks ☐ STANDARD TAT ☐ 2 days ☐ 1 day			Job / SDG No.:
Project Name: NYSEG Mechanicville				
Site:				
PO # 6054611B				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270D SVOCs	8260C VOCs	6012B - Cyanide	Sample Specific Notes:
MW-30 091219	9/12/19	0825	G	GW	6	N	N	X	X	X	
MW-20D 091219	↓	1005	↓	↓	↓	↓	↓	X	X	X	

(A2)

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Cat B Report Req.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Relinquished by: [signature] | Company: AECOM | Date/Time: 9/12/19 1520

ATTACHMENT 3
ANALYTICAL DATA PACKAGE

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ANALYTICAL REPORT

Job Number: 460-191322-1

Job Description: NYSEG - Former MGP Site Mechanicville

For:
AECOM
125 Broad Street
16th Floor
New York, NY 10004

Attention: Reeti Doshi

Approved for release.
Thomas A Chupela
Project Management Assistant I
9/18/2019 4:03 PM

Designee for
Allison L Bennett, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(732)593-2517
allison.bennett@testamericainc.com
09/18/2019

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

Job Number: 460-191322-1

Job Description: NYSEG - Former MGP Site Mechanicville

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Approved for release.
Thomas A Chupela
Project Management Assistant I
9/18/2019 4:03 PM

Designee for
Allison L Bennett

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CASE NARRATIVE

Client: AECOM

Project: NYSEG - Former MGP Site Mechanicville

Report Number: 460-191322-1

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 9/13/2019 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6º C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Logged in VOCs and placed on hold. The client was contacted and on 9/17/19 instructed the lab to proceed with analysis.

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.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-3D 091219 (460-191322-1), MW-20D 091219 (460-191322-2) and Trip Blank (460-191322-3) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 09/17/2019.

The continuing calibration verification (CCV) analyzed in batch 460-639801 was outside the method criteria for Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

1,1-Dichloroethane failed the recovery criteria high for the MSD of sample 460-191351-2 in batch 460-639801.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-3D 091219 (460-191322-1) and MW-20D 091219 (460-191322-2) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 09/15/2019 and analyzed on 09/16/2019.

The laboratory control sample duplicate (LCSD) for batch preparation batch 460-639442 and analytical batch 460-639497 recovered outside control limits for the following analytes: Benzo[b]fluoranthene. The laboratory control sample (LCS) recovery was within control limits. The associated sample data has been reported.

The continuing calibration verification (CCV) associated with batch 460-639497 recovered above the upper control limit for Caprolactam. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

3,3'-Dichlorobenzidine, 3-Nitroaniline and 4-Chloroaniline failed the recovery criteria low for the MSD of sample 460-191309-2 in batch 460-639497. 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline and Atrazine exceeded the RPD limit.

3,3'-Dichlorobenzidine, Benzo[a]pyrene and Benzo[b]fluoranthene failed the recovery criteria low for the MS of sample 460-191309-2 in batch 460-639497.

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.

TOTAL CYANIDE

Samples MW-3D 091219 (460-191322-1) and MW-20D 091219 (460-191322-2) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 09/18/2019.

Cyanide, Total failed the recovery criteria high for the MS of sample 460-191068-4 in batch 460-640215.

Cyanide, Total failed the recovery criteria high for the MSD of sample 460-191068-4 in batch 460-640215.

Refer to the QC report for details.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: AECOM
Job ID: 460-191322-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-191322-1	MW-3D 091219	Water	09/12/19 08:25	09/13/19 09:20	
460-191322-2	MW-20D 091219	Water	09/12/19 10:05	09/13/19 09:20	
460-191322-3	Trip Blank	Water	09/12/19 00:00	09/13/19 09:20	

Detection Summary

Client: AECOM
Job ID: 460-191322-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Client Sample ID: MW-3D 091219
Lab Sample ID: 460-191322-1

No Detections.

Client Sample ID: MW-20D 091219
Lab Sample ID: 460-191322-2

No Detections.

Client Sample ID: Trip Blank
Lab Sample ID: 460-191322-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: AECOM
Job ID: 460-191322-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI

Protocol References:

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: MW-3D 091219
Lab Sample ID: 460-191322-1

Date Collected: 09/12/19 08:25
Matrix: Water

Date Received: 09/13/19 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 16:44	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 16:44	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 16:44	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 16:44	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 16:44	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 16:44	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 16:44	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 16:44	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 16:44	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 16:44	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 16:44	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 16:44	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 16:44	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 16:44	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 16:44	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 16:44	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 16:44	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 16:44	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 16:44	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 16:44	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 16:44	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 16:44	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 16:44	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 16:44	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 16:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 16:44	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 16:44	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 16:44	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 16:44	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 16:44	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 16:44	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 16:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 16:44	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 16:44	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 16:44	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 16:44	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 16:44	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 16:44	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 16:44	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 16:44	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 16:44	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 16:44	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 16:44	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 16:44	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 16:44	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 16:44	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 16:44	1

Client Sample ID: MW-3D 091219
Lab Sample ID: 460-191322-1

Date Collected: 09/12/19 08:25
Matrix: Water
Date Received: 09/13/19 09:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*		*09/17/19 16:44*	*1*
4-Bromofluorobenzene	*93*		*77 - 124*		*09/17/19 16:44*	*1*
Dibromofluoromethane (Surr)	*101*		*72 - 131*		*09/17/19 16:44*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/17/19 16:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/15/19 07:46	09/16/19 04:41	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/15/19 07:46	09/16/19 04:41	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/15/19 07:46	09/16/19 04:41	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/15/19 07:46	09/16/19 04:41	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/15/19 07:46	09/16/19 04:41	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/16/19 04:41	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/15/19 07:46	09/16/19 04:41	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/15/19 07:46	09/16/19 04:41	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/15/19 07:46	09/16/19 04:41	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/15/19 07:46	09/16/19 04:41	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/15/19 07:46	09/16/19 04:41	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/16/19 04:41	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/15/19 07:46	09/16/19 04:41	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/15/19 07:46	09/16/19 04:41	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/15/19 07:46	09/16/19 04:41	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/15/19 07:46	09/16/19 04:41	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/15/19 07:46	09/16/19 04:41	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/15/19 07:46	09/16/19 04:41	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/15/19 07:46	09/16/19 04:41	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/15/19 07:46	09/16/19 04:41	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/15/19 07:46	09/16/19 04:41	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/15/19 07:46	09/16/19 04:41	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/16/19 04:41	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/15/19 07:46	09/16/19 04:41	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/15/19 07:46	09/16/19 04:41	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/16/19 04:41	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/15/19 07:46	09/16/19 04:41	1
Acetophenone	0.79	U	10	0.79	ug/L		09/15/19 07:46	09/16/19 04:41	1
Anthracene	0.63	U	10	0.63	ug/L		09/15/19 07:46	09/16/19 04:41	1
Atrazine	1.3	U	2.0	1.3	ug/L		09/15/19 07:46	09/16/19 04:41	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/15/19 07:46	09/16/19 04:41	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/15/19 07:46	09/16/19 04:41	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/15/19 07:46	09/16/19 04:41	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/15/19 07:46	09/16/19 04:41	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		09/15/19 07:46	09/16/19 04:41	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/15/19 07:46	09/16/19 04:41	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/16/19 04:41	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/15/19 07:46	09/16/19 04:41	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/15/19 07:46	09/16/19 04:41	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/15/19 07:46	09/16/19 04:41	1
Caprolactam	0.68	U	10	0.68	ug/L		09/15/19 07:46	09/16/19 04:41	1
Carbazole	0.68	U	10	0.68	ug/L		09/15/19 07:46	09/16/19 04:41	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/15/19 07:46	09/16/19 04:41	1

Client Sample ID: MW-3D 091219
Lab Sample ID: 460-191322-1

Date Collected: 09/12/19 08:25
Matrix: Water
Date Received: 09/13/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/15/19 07:46	09/16/19 04:41	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/16/19 04:41	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/15/19 07:46	09/16/19 04:41	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/15/19 07:46	09/16/19 04:41	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/15/19 07:46	09/16/19 04:41	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/15/19 07:46	09/16/19 04:41	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/15/19 07:46	09/16/19 04:41	1
Fluorene	0.91	U	10	0.91	ug/L		09/15/19 07:46	09/16/19 04:41	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/15/19 07:46	09/16/19 04:41	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/15/19 07:46	09/16/19 04:41	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/15/19 07:46	09/16/19 04:41	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/15/19 07:46	09/16/19 04:41	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/15/19 07:46	09/16/19 04:41	1
Isophorone	0.80	U	10	0.80	ug/L		09/15/19 07:46	09/16/19 04:41	1
Naphthalene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/16/19 04:41	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/15/19 07:46	09/16/19 04:41	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/15/19 07:46	09/16/19 04:41	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/15/19 07:46	09/16/19 04:41	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/15/19 07:46	09/16/19 04:41	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/15/19 07:46	09/16/19 04:41	1
Phenol	0.29	U	10	0.29	ug/L		09/15/19 07:46	09/16/19 04:41	1
Pyrene	1.6	U	10	1.6	ug/L		09/15/19 07:46	09/16/19 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*26 - 139*	*09/15/19 07:46*	*09/16/19 04:41*	*1*
2-Fluorobiphenyl	*63*		*45 - 107*	*09/15/19 07:46*	*09/16/19 04:41*	*1*
2-Fluorophenol (Surr)	*34*		*25 - 58*	*09/15/19 07:46*	*09/16/19 04:41*	*1*
Nitrobenzene-d5 (Surr)	*73*		*51 - 108*	*09/15/19 07:46*	*09/16/19 04:41*	*1*
Phenol-d5 (Surr)	*24*		*14 - 39*	*09/15/19 07:46*	*09/16/19 04:41*	*1*
Terphenyl-d14 (Surr)	*73*		*40 - 148*	*09/15/19 07:46*	*09/16/19 04:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/18/19 09:58	09/18/19 14:16	1

Client Sample ID: MW-20D 091219
Lab Sample ID: 460-191322-2

Date Collected: 09/12/19 10:05
Matrix: Water
Date Received: 09/13/19 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 17:09	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 17:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 17:09	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 17:09	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 17:09	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 17:09	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 17:09	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 17:09	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 17:09	1

Client Sample ID: MW-20D 091219
Lab Sample ID: 460-191322-2

Date Collected: 09/12/19 10:05
Matrix: Water

Date Received: 09/13/19 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 17:09	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 17:09	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 17:09	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 17:09	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 17:09	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 17:09	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 17:09	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 17:09	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 17:09	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 17:09	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 17:09	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 17:09	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 17:09	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 17:09	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 17:09	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 17:09	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 17:09	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 17:09	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 17:09	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 17:09	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 17:09	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 17:09	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 17:09	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 17:09	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 17:09	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 17:09	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 17:09	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 17:09	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 17:09	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 17:09	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 17:09	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 17:09	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 17:09	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 17:09	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 17:09	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 17:09	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 17:09	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 17:09	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*74 - 132*		*09/17/19 17:09*	*1*
4-Bromofluorobenzene	*93*		*77 - 124*		*09/17/19 17:09*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*09/17/19 17:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/17/19 17:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/15/19 07:46	09/16/19 05:02	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/15/19 07:46	09/16/19 05:02	1

Client Sample ID: MW-20D 091219
Lab Sample ID: 460-191322-2

Date Collected: 09/12/19 10:05
Matrix: Water

Date Received: 09/13/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/15/19 07:46	09/16/19 05:02	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/15/19 07:46	09/16/19 05:02	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/15/19 07:46	09/16/19 05:02	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/16/19 05:02	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/15/19 07:46	09/16/19 05:02	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/15/19 07:46	09/16/19 05:02	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/15/19 07:46	09/16/19 05:02	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/15/19 07:46	09/16/19 05:02	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/15/19 07:46	09/16/19 05:02	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/16/19 05:02	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/15/19 07:46	09/16/19 05:02	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/15/19 07:46	09/16/19 05:02	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/15/19 07:46	09/16/19 05:02	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/15/19 07:46	09/16/19 05:02	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/15/19 07:46	09/16/19 05:02	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/15/19 07:46	09/16/19 05:02	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/15/19 07:46	09/16/19 05:02	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/15/19 07:46	09/16/19 05:02	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/15/19 07:46	09/16/19 05:02	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/15/19 07:46	09/16/19 05:02	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/16/19 05:02	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/15/19 07:46	09/16/19 05:02	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/15/19 07:46	09/16/19 05:02	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/16/19 05:02	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/15/19 07:46	09/16/19 05:02	1
Acetophenone	0.79	U	10	0.79	ug/L		09/15/19 07:46	09/16/19 05:02	1
Anthracene	0.63	U	10	0.63	ug/L		09/15/19 07:46	09/16/19 05:02	1
Atrazine	1.3	U	2.0	1.3	ug/L		09/15/19 07:46	09/16/19 05:02	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/15/19 07:46	09/16/19 05:02	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/15/19 07:46	09/16/19 05:02	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/15/19 07:46	09/16/19 05:02	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/15/19 07:46	09/16/19 05:02	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		09/15/19 07:46	09/16/19 05:02	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/15/19 07:46	09/16/19 05:02	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/16/19 05:02	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/15/19 07:46	09/16/19 05:02	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/15/19 07:46	09/16/19 05:02	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/15/19 07:46	09/16/19 05:02	1
Caprolactam	0.68	U	10	0.68	ug/L		09/15/19 07:46	09/16/19 05:02	1
Carbazole	0.68	U	10	0.68	ug/L		09/15/19 07:46	09/16/19 05:02	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/15/19 07:46	09/16/19 05:02	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/15/19 07:46	09/16/19 05:02	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/16/19 05:02	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/15/19 07:46	09/16/19 05:02	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/15/19 07:46	09/16/19 05:02	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/15/19 07:46	09/16/19 05:02	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/15/19 07:46	09/16/19 05:02	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/15/19 07:46	09/16/19 05:02	1
Fluorene	0.91	U	10	0.91	ug/L		09/15/19 07:46	09/16/19 05:02	1

Client Sample ID: MW-20D 091219
Lab Sample ID: 460-191322-2
Date Collected: 09/12/19 10:05
Matrix: Water
Date Received: 09/13/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/15/19 07:46	09/16/19 05:02	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/15/19 07:46	09/16/19 05:02	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/15/19 07:46	09/16/19 05:02	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/15/19 07:46	09/16/19 05:02	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/15/19 07:46	09/16/19 05:02	1
Isophorone	0.80	U	10	0.80	ug/L		09/15/19 07:46	09/16/19 05:02	1
Naphthalene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/16/19 05:02	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/15/19 07:46	09/16/19 05:02	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/15/19 07:46	09/16/19 05:02	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/15/19 07:46	09/16/19 05:02	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/15/19 07:46	09/16/19 05:02	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/15/19 07:46	09/16/19 05:02	1
Phenol	0.29	U	10	0.29	ug/L		09/15/19 07:46	09/16/19 05:02	1
Pyrene	1.6	U	10	1.6	ug/L		09/15/19 07:46	09/16/19 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*26 - 139*	*09/15/19 07:46*	*09/16/19 05:02*	*1*
2-Fluorobiphenyl	*66*		*45 - 107*	*09/15/19 07:46*	*09/16/19 05:02*	*1*
2-Fluorophenol (Surr)	*36*		*25 - 58*	*09/15/19 07:46*	*09/16/19 05:02*	*1*
Nitrobenzene-d5 (Surr)	*75*		*51 - 108*	*09/15/19 07:46*	*09/16/19 05:02*	*1*
Phenol-d5 (Surr)	*25*		*14 - 39*	*09/15/19 07:46*	*09/16/19 05:02*	*1*
Terphenyl-d14 (Surr)	*76*		*40 - 148*	*09/15/19 07:46*	*09/16/19 05:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/18/19 09:58	09/18/19 14:17	1

Client Sample ID: Trip Blank
Lab Sample ID: 460-191322-3
Date Collected: 09/12/19 00:00
Matrix: Water
Date Received: 09/13/19 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 11:43	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 11:43	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 11:43	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 11:43	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 11:43	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 11:43	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 11:43	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 11:43	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 11:43	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 11:43	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 11:43	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 11:43	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 11:43	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 11:43	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 11:43	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 11:43	1

Client Sample ID: Trip Blank
Lab Sample ID: 460-191322-3

Date Collected: 09/12/19 00:00
Matrix: Water
Date Received: 09/13/19 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 11:43	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 11:43	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 11:43	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 11:43	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 11:43	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 11:43	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 11:43	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 11:43	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 11:43	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 11:43	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 11:43	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 11:43	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 11:43	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 11:43	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 11:43	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 11:43	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 11:43	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 11:43	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 11:43	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 11:43	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 11:43	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 11:43	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 11:43	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 11:43	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 11:43	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 11:43	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 11:43	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 11:43	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 11:43	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 11:43	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*		*09/17/19 11:43*	*1*
4-Bromofluorobenzene	*92*		*77 - 124*		*09/17/19 11:43*	*1*
Dibromofluoromethane (Surr)	*100*		*72 - 131*		*09/17/19 11:43*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/17/19 11:43*	*1*

Surrogate Summary

Client: AECOM
Job ID: 460-191322-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
460-191322-1	MW-3D 091219	98	93	101	94
460-191322-2	MW-20D 091219	100	93	102	96
460-191322-3	Trip Blank	98	92	100	95
460-191351-C-2 MS	Matrix Spike	97	98	99	93
460-191351-C-2 MSD	Matrix Spike Duplicate	93	100	99	95
LCS 460-639801/4	Lab Control Sample	98	97	98	94
LCSD 460-639801/5	Lab Control Sample Dup	97	97	97	95
MB 460-639801/8	Method Blank	97	90	98	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(26-139)	(45-107)	(25-58)	(51-108)	(14-39)	(40-148)
460-191309-D-2-A MSD	Matrix Spike Duplicate	103	78	42	86	28	85
460-191309-E-2-A MS	Matrix Spike	88	68	36	74	24	75
460-191322-1	MW-3D 091219	82	63	34	73	24	73
460-191322-2	MW-20D 091219	85	66	36	75	25	76
LCS 460-639442/2-A	Lab Control Sample	101	83	47	93	32	94
LCS 460-639442/4-A	Lab Control Sample	102	74	44	84	31	89
LCSD 460-639442/3-A	Lab Control Sample Dup	105	81	47	91	32	92
LCSD 460-639442/5-A	Lab Control Sample Dup	107	81	49	92	34	95
MB 460-639442/1-A	Method Blank	88	69	42	78	29	80

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-639801/8
Matrix: Water
Analysis Batch: 639801

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 10:51	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 10:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 10:51	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 10:51	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 10:51	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 10:51	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 10:51	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 10:51	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 10:51	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 10:51	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 10:51	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 10:51	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 10:51	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 10:51	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 10:51	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 10:51	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 10:51	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 10:51	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 10:51	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 10:51	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 10:51	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 10:51	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 10:51	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 10:51	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 10:51	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 10:51	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 10:51	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 10:51	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 10:51	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 10:51	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 10:51	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 10:51	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 10:51	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 10:51	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 10:51	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 10:51	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 10:51	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 10:51	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 10:51	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 10:51	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 10:51	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 10:51	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 10:51	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 10:51	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 10:51	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 10:51	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 10:51	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 10:51	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-639801/8
Matrix: Water
Analysis Batch: 639801

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*		*09/17/19 10:51*	*1*
4-Bromofluorobenzene	*90*		*77 - 124*		*09/17/19 10:51*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*09/17/19 10:51*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/17/19 10:51*	*1*

Lab Sample ID: LCS 460-639801/4
Matrix: Water
Analysis Batch: 639801

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.1		ug/L		101	75 - 125
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		106	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.7		ug/L		94	59 - 150
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	78 - 120
1,1-Dichloroethane	20.0	23.7		ug/L		118	77 - 123
1,1-Dichloroethene	20.0	21.5		ug/L		108	74 - 123
1,2,4-Trichlorobenzene	20.0	22.6		ug/L		113	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	23.1		ug/L		115	55 - 134
1,2-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		100	76 - 121
1,2-Dichloropropane	20.0	21.0		ug/L		105	77 - 123
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
2-Butanone (MEK)	100	96.8		ug/L		97	64 - 120
2-Hexanone	100	107		ug/L		107	71 - 125
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	78 - 124
Acetone	100	119		ug/L		119	39 - 150
Benzene	20.0	20.8		ug/L		104	77 - 121
Bromoform	20.0	20.6		ug/L		103	53 - 120
Bromomethane	20.0	16.6		ug/L		83	10 - 150
Carbon disulfide	20.0	21.1		ug/L		105	69 - 133
Carbon tetrachloride	20.0	19.1		ug/L		96	70 - 132
Chlorobenzene	20.0	20.7		ug/L		104	80 - 120
Chlorodibromomethane	20.0	19.6		ug/L		98	73 - 120
Chloroethane	20.0	25.6		ug/L		128	52 - 150
Chloroform	20.0	21.9		ug/L		110	80 - 120
Chloromethane	20.0	22.7		ug/L		113	56 - 131
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	80 - 120
cis-1,3-Dichloropropene	20.0	21.7		ug/L		109	77 - 120
Cyclohexane	20.0	18.1		ug/L		90	56 - 150
Dichlorobromomethane	20.0	20.4		ug/L		102	76 - 120
Dichlorodifluoromethane	20.0	11.6		ug/L		58	50 - 131
Ethylbenzene	20.0	21.3		ug/L		107	80 - 120
Ethylene Dibromide	20.0	20.5		ug/L		103	80 - 120
Isopropylbenzene	20.0	21.8		ug/L		109	80 - 123
Methyl acetate	40.0	37.5		ug/L		94	66 - 144
Methyl tert-butyl ether	20.0	24.2		ug/L		121	79 - 122
Methylcyclohexane	20.0	17.4		ug/L		87	61 - 145

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-639801/4
Matrix: Water
Analysis Batch: 639801

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			20.0	22.1		ug/L		110	77 - 123		
Styrene			20.0	20.8		ug/L		104	80 - 120		
Tetrachloroethene			20.0	20.8		ug/L		104	78 - 122		
Toluene			20.0	20.5		ug/L		102	80 - 120		
trans-1,2-Dichloroethene			20.0	23.3		ug/L		117	79 - 120		
trans-1,3-Dichloropropene			20.0	21.3		ug/L		107	76 - 120		
Trichloroethene			20.0	20.8		ug/L		104	77 - 120		
Trichlorofluoromethane			20.0	20.2		ug/L		101	71 - 143		
Vinyl chloride			20.0	25.3		ug/L		127	62 - 138		
Xylenes, Total			40.0	41.0		ug/L		102	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*
4-Bromofluorobenzene	*97*		*77 - 124*
Dibromofluoromethane (Surr)	*98*		*72 - 131*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 460-639801/5
Matrix: Water
Analysis Batch: 639801

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	20.3		ug/L		102	75 - 125	1	30
1,1,2,2-Tetrachloroethane			20.0	21.6		ug/L		108	74 - 120	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	17.7		ug/L		88	59 - 150	6	30
1,1,2-Trichloroethane			20.0	20.9		ug/L		105	78 - 120	1	30
1,1-Dichloroethane			20.0	24.1		ug/L		121	77 - 123	2	30
1,1-Dichloroethene			20.0	20.3		ug/L		102	74 - 123	6	30
1,2,4-Trichlorobenzene			20.0	23.0		ug/L		115	80 - 124	2	30
1,2-Dibromo-3-Chloropropane			20.0	24.3		ug/L		121	55 - 134	5	30
1,2-Dichlorobenzene			20.0	22.2		ug/L		111	80 - 120	2	30
1,2-Dichloroethane			20.0	20.2		ug/L		101	76 - 121	2	30
1,2-Dichloropropane			20.0	21.5		ug/L		108	77 - 123	3	30
1,3-Dichlorobenzene			20.0	22.4		ug/L		112	80 - 120	3	30
1,4-Dichlorobenzene			20.0	21.9		ug/L		109	80 - 120	2	30
2-Butanone (MEK)			100	95.4		ug/L		95	64 - 120	1	30
2-Hexanone			100	110		ug/L		110	71 - 125	3	30
4-Methyl-2-pentanone (MIBK)			100	106		ug/L		106	78 - 124	3	30
Acetone			100	118		ug/L		118	39 - 150	1	30
Benzene			20.0	21.3		ug/L		106	77 - 121	2	30
Bromoform			20.0	21.3		ug/L		107	53 - 120	3	30
Bromomethane			20.0	18.5		ug/L		92	10 - 150	10	30
Carbon disulfide			20.0	20.7		ug/L		104	69 - 133	2	30
Carbon tetrachloride			20.0	19.1		ug/L		95	70 - 132	0	30
Chlorobenzene			20.0	20.8		ug/L		104	80 - 120	0	30
Chlorodibromomethane			20.0	19.6		ug/L		98	73 - 120	0	30
Chloroethane			20.0	23.5		ug/L		118	52 - 150	8	30
Chloroform			20.0	21.5		ug/L		108	80 - 120	2	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-639801/5
Matrix: Water
Analysis Batch: 639801

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			20.0	21.0		ug/L		105	56 - 131	8	30
cis-1,2-Dichloroethene			20.0	21.6		ug/L		108	80 - 120	1	30
cis-1,3-Dichloropropene			20.0	22.0		ug/L		110	77 - 120	1	30
Cyclohexane			20.0	17.7		ug/L		88	56 - 150	2	30
Dichlorobromomethane			20.0	20.4		ug/L		102	76 - 120	0	30
Dichlorodifluoromethane			20.0	11.1		ug/L		55	50 - 131	5	30
Ethylbenzene			20.0	21.3		ug/L		107	80 - 120	0	30
Ethylene Dibromide			20.0	20.6		ug/L		103	80 - 120	0	30
Isopropylbenzene			20.0	21.9		ug/L		110	80 - 123	0	30
Methyl acetate			40.0	37.4		ug/L		93	66 - 144	0	30
Methyl tert-butyl ether			20.0	24.0		ug/L		120	79 - 122	1	30
Methylcyclohexane			20.0	16.6		ug/L		83	61 - 145	5	30
Methylene Chloride			20.0	22.1		ug/L		111	77 - 123	0	30
Styrene			20.0	20.6		ug/L		103	80 - 120	1	30
Tetrachloroethene			20.0	20.6		ug/L		103	78 - 122	1	30
Toluene			20.0	21.0		ug/L		105	80 - 120	2	30
trans-1,2-Dichloroethene			20.0	23.0		ug/L		115	79 - 120	2	30
trans-1,3-Dichloropropene			20.0	21.7		ug/L		109	76 - 120	2	30
Trichloroethene			20.0	20.9		ug/L		105	77 - 120	1	30
Trichlorofluoromethane			20.0	19.1		ug/L		96	71 - 143	5	30
Vinyl chloride			20.0	24.1		ug/L		120	62 - 138	5	30
Xylenes, Total			40.0	41.8		ug/L		104	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*
4-Bromofluorobenzene	*97*		*77 - 124*
Dibromofluoromethane (Surr)	*97*		*72 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 460-191351-C-2 MS
Matrix: Water
Analysis Batch: 639801

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.24	U	20.0	18.7		ug/L		94	75 - 125
1,1,2,2-Tetrachloroethane	0.37	U	20.0	21.0		ug/L		105	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	16.2		ug/L		81	59 - 150
1,1,2-Trichloroethane	0.43	U	20.0	20.2		ug/L		101	78 - 120
1,1-Dichloroethane	0.26	U F1	20.0	22.5		ug/L		112	77 - 123
1,1-Dichloroethene	0.26	U	20.0	19.1		ug/L		95	74 - 123
1,2,4-Trichlorobenzene	0.37	U	20.0	19.7		ug/L		99	80 - 124
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	21.7		ug/L		109	55 - 134
1,2-Dichlorobenzene	0.43	U	20.0	20.6		ug/L		103	80 - 120
1,2-Dichloroethane	0.43	U	20.0	18.8		ug/L		94	76 - 121
1,2-Dichloropropane	0.35	U	20.0	19.8		ug/L		99	77 - 123
1,3-Dichlorobenzene	0.34	U	20.0	20.2		ug/L		101	80 - 120
1,4-Dichlorobenzene	0.33	U	20.0	19.8		ug/L		99	80 - 120
2-Butanone (MEK)	1.9	U	100	90.5		ug/L		91	64 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-191351-C-2 MS
Matrix: Water
Analysis Batch: 639801

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	1.1	U	100	100		ug/L		100	71 - 125
4-Methyl-2-pentanone (MIBK)	1.3	U	100	98.4		ug/L		98	78 - 124
Acetone	4.4	U	100	107		ug/L		107	39 - 150
Benzene	0.20	U	20.0	19.3		ug/L		97	77 - 121
Bromoform	0.54	U	20.0	20.8		ug/L		104	53 - 120
Bromomethane	0.55	U F2	20.0	13.2		ug/L		66	10 - 150
Carbon disulfide	0.82	U	20.0	18.6		ug/L		93	69 - 133
Carbon tetrachloride	0.21	U	20.0	17.6		ug/L		88	70 - 132
Chlorobenzene	0.38	U	20.0	19.4		ug/L		97	80 - 120
Chlorodibromomethane	0.28	U	20.0	18.9		ug/L		95	73 - 120
Chloroethane	0.32	U	20.0	20.7		ug/L		104	52 - 150
Chloroform	0.33	U	20.0	20.3		ug/L		102	80 - 120
Chloromethane	0.40	U	20.0	18.8		ug/L		94	56 - 131
cis-1,2-Dichloroethene	0.22	U	20.0	20.2		ug/L		101	80 - 120
cis-1,3-Dichloropropene	0.22	U	20.0	18.2		ug/L		91	77 - 120
Cyclohexane	0.32	U	20.0	14.7		ug/L		74	56 - 150
Dichlorobromomethane	0.34	U	20.0	19.5		ug/L		98	76 - 120
Dichlorodifluoromethane	0.31	U	20.0	14.9		ug/L		75	50 - 131
Ethylbenzene	0.30	U	20.0	19.5		ug/L		98	80 - 120
Ethylene Dibromide	0.50	U	20.0	19.3		ug/L		97	80 - 120
Isopropylbenzene	0.34	U	20.0	19.6		ug/L		98	80 - 123
Methyl acetate	0.79	U	40.0	32.4		ug/L		81	66 - 144
Methyl tert-butyl ether	0.47	U	20.0	22.1		ug/L		110	79 - 122
Methylcyclohexane	0.26	U	20.0	14.2		ug/L		71	61 - 145
Methylene Chloride	0.32	U	20.0	20.2		ug/L		101	77 - 123
Styrene	0.42	U	20.0	18.6		ug/L		93	80 - 120
Tetrachloroethene	0.25	U	20.0	18.8		ug/L		94	78 - 122
Toluene	0.38	U	20.0	19.0		ug/L		95	80 - 120
trans-1,2-Dichloroethene	0.24	U	20.0	21.1		ug/L		106	79 - 120
trans-1,3-Dichloropropene	0.49	U	20.0	18.7		ug/L		94	76 - 120
Trichloroethene	0.31	U	20.0	20.4		ug/L		102	77 - 120
Trichlorofluoromethane	0.32	U	20.0	21.0		ug/L		105	71 - 143
Vinyl chloride	0.17	U	20.0	23.0		ug/L		115	62 - 138
Xylenes, Total	0.65	U	40.0	37.3		ug/L		93	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*
4-Bromofluorobenzene	*98*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 460-191351-C-2 MSD
Matrix: Water
Analysis Batch: 639801

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.24	U	20.0	20.8		ug/L		104	75 - 125	10	30
1,1,2,2-Tetrachloroethane	0.37	U	20.0	22.3		ug/L		111	74 - 120	6	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-191351-C-2 MSD
Matrix: Water
Analysis Batch: 639801

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	17.1		ug/L		85	59 - 150	5	30
1,1,2-Trichloroethane	0.43	U	20.0	21.9		ug/L		109	78 - 120	8	30
1,1-Dichloroethane	0.26	U F1	20.0	24.7	F1	ug/L		124	77 - 123	10	30
1,1-Dichloroethene	0.26	U	20.0	21.5		ug/L		108	74 - 123	12	30
1,2,4-Trichlorobenzene	0.37	U	20.0	22.2		ug/L		111	80 - 124	12	30
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	22.7		ug/L		114	55 - 134	5	30
1,2-Dichlorobenzene	0.43	U	20.0	22.5		ug/L		113	80 - 120	9	30
1,2-Dichloroethane	0.43	U	20.0	20.8		ug/L		104	76 - 121	10	30
1,2-Dichloropropane	0.35	U	20.0	22.0		ug/L		110	77 - 123	10	30
1,3-Dichlorobenzene	0.34	U	20.0	22.0		ug/L		110	80 - 120	9	30
1,4-Dichlorobenzene	0.33	U	20.0	22.2		ug/L		111	80 - 120	11	30
2-Butanone (MEK)	1.9	U	100	103		ug/L		103	64 - 120	13	30
2-Hexanone	1.1	U	100	114		ug/L		114	71 - 125	13	30
4-Methyl-2-pentanone (MIBK)	1.3	U	100	112		ug/L		112	78 - 124	13	30
Acetone	4.4	U	100	117		ug/L		117	39 - 150	9	30
Benzene	0.20	U	20.0	21.9		ug/L		110	77 - 121	12	30
Bromoform	0.54	U	20.0	22.1		ug/L		110	53 - 120	6	30
Bromomethane	0.55	U F2	20.0	17.4		ug/L		87	10 - 150	28	30
Carbon disulfide	0.82	U	20.0	20.7		ug/L		104	69 - 133	11	30
Carbon tetrachloride	0.21	U	20.0	19.5		ug/L		98	70 - 132	10	30
Chlorobenzene	0.38	U	20.0	22.2		ug/L		111	80 - 120	14	30
Chlorodibromomethane	0.28	U	20.0	20.4		ug/L		102	73 - 120	7	30
Chloroethane	0.32	U	20.0	22.7		ug/L		114	52 - 150	9	30
Chloroform	0.33	U	20.0	22.6		ug/L		113	80 - 120	10	30
Chloromethane	0.40	U	20.0	21.6		ug/L		108	56 - 131	14	30
cis-1,2-Dichloroethene	0.22	U	20.0	21.5		ug/L		108	80 - 120	7	30
cis-1,3-Dichloropropene	0.22	U	20.0	21.2		ug/L		106	77 - 120	15	30
Cyclohexane	0.32	U	20.0	16.7		ug/L		84	56 - 150	13	30
Dichlorobromomethane	0.34	U	20.0	21.3		ug/L		107	76 - 120	9	30
Dichlorodifluoromethane	0.31	U	20.0	15.9		ug/L		80	50 - 131	6	30
Ethylbenzene	0.30	U	20.0	21.9		ug/L		110	80 - 120	12	30
Ethylene Dibromide	0.50	U	20.0	21.1		ug/L		106	80 - 120	9	30
Isopropylbenzene	0.34	U	20.0	22.2		ug/L		111	80 - 123	13	30
Methyl acetate	0.79	U	40.0	36.1		ug/L		90	66 - 144	11	30
Methyl tert-butyl ether	0.47	U	20.0	24.4		ug/L		122	79 - 122	10	30
Methylcyclohexane	0.26	U	20.0	15.9		ug/L		79	61 - 145	11	30
Methylene Chloride	0.32	U	20.0	22.6		ug/L		113	77 - 123	11	30
Styrene	0.42	U	20.0	21.4		ug/L		107	80 - 120	14	30
Tetrachloroethene	0.25	U	20.0	21.3		ug/L		107	78 - 122	12	30
Toluene	0.38	U	20.0	21.6		ug/L		108	80 - 120	13	30
trans-1,2-Dichloroethene	0.24	U	20.0	23.4		ug/L		117	79 - 120	10	30
trans-1,3-Dichloropropene	0.49	U	20.0	21.1		ug/L		105	76 - 120	12	30
Trichloroethene	0.31	U	20.0	21.8		ug/L		109	77 - 120	6	30
Trichlorofluoromethane	0.32	U	20.0	23.0		ug/L		115	71 - 143	9	30
Vinyl chloride	0.17	U	20.0	25.2		ug/L		126	62 - 138	9	30
Xylenes, Total	0.65	U	40.0	42.5		ug/L		106	80 - 120	13	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-191351-C-2 MSD
Matrix: Water
Analysis Batch: 639801

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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*74 - 132*
4-Bromofluorobenzene	*100*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

Lab Sample ID: MB 460-639442/1-A
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 639442

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/15/19 07:46	09/15/19 19:14	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/15/19 07:46	09/15/19 19:14	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/15/19 07:46	09/15/19 19:14	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/15/19 07:46	09/15/19 19:14	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/15/19 07:46	09/15/19 19:14	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/15/19 19:14	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/15/19 07:46	09/15/19 19:14	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/15/19 07:46	09/15/19 19:14	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/15/19 07:46	09/15/19 19:14	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/15/19 07:46	09/15/19 19:14	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/15/19 07:46	09/15/19 19:14	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/15/19 19:14	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/15/19 07:46	09/15/19 19:14	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/15/19 07:46	09/15/19 19:14	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/15/19 07:46	09/15/19 19:14	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/15/19 07:46	09/15/19 19:14	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/15/19 07:46	09/15/19 19:14	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/15/19 07:46	09/15/19 19:14	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/15/19 07:46	09/15/19 19:14	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/15/19 07:46	09/15/19 19:14	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/15/19 07:46	09/15/19 19:14	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/15/19 07:46	09/15/19 19:14	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/15/19 19:14	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/15/19 07:46	09/15/19 19:14	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/15/19 07:46	09/15/19 19:14	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/15/19 19:14	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/15/19 07:46	09/15/19 19:14	1
Acetophenone	0.79	U	10	0.79	ug/L		09/15/19 07:46	09/15/19 19:14	1
Anthracene	0.63	U	10	0.63	ug/L		09/15/19 07:46	09/15/19 19:14	1
Atrazine	1.3	U	2.0	1.3	ug/L		09/15/19 07:46	09/15/19 19:14	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/15/19 07:46	09/15/19 19:14	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/15/19 07:46	09/15/19 19:14	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/15/19 07:46	09/15/19 19:14	1
Benzo[b]fluoranthene	1.1	U	2.0	1.1	ug/L		09/15/19 07:46	09/15/19 19:14	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		09/15/19 07:46	09/15/19 19:14	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/15/19 07:46	09/15/19 19:14	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/15/19 07:46	09/15/19 19:14	1

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

Lab Sample ID: MB 460-639442/1-A
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 639442

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/15/19 07:46	09/15/19 19:14	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/15/19 07:46	09/15/19 19:14	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/15/19 07:46	09/15/19 19:14	1
Caprolactam	0.68	U	10	0.68	ug/L		09/15/19 07:46	09/15/19 19:14	1
Carbazole	0.68	U	10	0.68	ug/L		09/15/19 07:46	09/15/19 19:14	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/15/19 07:46	09/15/19 19:14	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/15/19 07:46	09/15/19 19:14	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/15/19 19:14	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/15/19 07:46	09/15/19 19:14	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/15/19 07:46	09/15/19 19:14	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/15/19 07:46	09/15/19 19:14	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/15/19 07:46	09/15/19 19:14	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/15/19 07:46	09/15/19 19:14	1
Fluorene	0.91	U	10	0.91	ug/L		09/15/19 07:46	09/15/19 19:14	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/15/19 07:46	09/15/19 19:14	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/15/19 07:46	09/15/19 19:14	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/15/19 07:46	09/15/19 19:14	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/15/19 07:46	09/15/19 19:14	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/15/19 07:46	09/15/19 19:14	1
Isophorone	0.80	U	10	0.80	ug/L		09/15/19 07:46	09/15/19 19:14	1
Naphthalene	1.1	U	10	1.1	ug/L		09/15/19 07:46	09/15/19 19:14	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/15/19 07:46	09/15/19 19:14	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/15/19 07:46	09/15/19 19:14	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/15/19 07:46	09/15/19 19:14	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/15/19 07:46	09/15/19 19:14	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/15/19 07:46	09/15/19 19:14	1
Phenol	0.29	U	10	0.29	ug/L		09/15/19 07:46	09/15/19 19:14	1
Pyrene	1.6	U	10	1.6	ug/L		09/15/19 07:46	09/15/19 19:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*26 - 139*	*09/15/19 07:46*	*09/15/19 19:14*	*1*
2-Fluorobiphenyl	*69*		*45 - 107*	*09/15/19 07:46*	*09/15/19 19:14*	*1*
2-Fluorophenol (Surr)	*42*		*25 - 58*	*09/15/19 07:46*	*09/15/19 19:14*	*1*
Nitrobenzene-d5 (Surr)	*78*		*51 - 108*	*09/15/19 07:46*	*09/15/19 19:14*	*1*
Phenol-d5 (Surr)	*29*		*14 - 39*	*09/15/19 07:46*	*09/15/19 19:14*	*1*
Terphenyl-d14 (Surr)	*80*		*40 - 148*	*09/15/19 07:46*	*09/15/19 19:14*	*1*

Lab Sample ID: LCS 460-639442/2-A
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	80.0	59.8		ug/L		75	54 - 108
2,2'-oxybis[1-chloropropane]	80.0	59.8		ug/L		75	50 - 108
2,4,5-Trichlorophenol	80.0	62.0		ug/L		77	59 - 117
2,4,6-Trichlorophenol	80.0	65.7		ug/L		82	62 - 120
2,4-Dichlorophenol	80.0	67.2		ug/L		84	62 - 102
2,4-Dimethylphenol	80.0	61.9		ug/L		77	61 - 95

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

Lab Sample ID: LCS 460-639442/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639497
Prep Batch: 639442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrophenol	160	173		ug/L		108	45 - 125
2,4-Dinitrotoluene	80.0	69.3		ug/L		87	70 - 123
2,6-Dinitrotoluene	80.0	69.6		ug/L		87	68 - 121
2-Chloronaphthalene	80.0	58.6		ug/L		73	54 - 105
2-Chlorophenol	80.0	59.0		ug/L		74	54 - 92
2-Methylnaphthalene	80.0	59.9		ug/L		75	47 - 104
2-Methylphenol	80.0	53.6		ug/L		67	43 - 80
2-Nitroaniline	80.0	68.8		ug/L		86	46 - 124
2-Nitrophenol	80.0	75.2		ug/L		94	58 - 109
3,3'-Dichlorobenzidine	80.0	70.7		ug/L		88	68 - 123
3-Nitroaniline	80.0	64.0		ug/L		80	60 - 117
4,6-Dinitro-2-methylphenol	160	162		ug/L		101	59 - 132
4-Bromophenyl phenyl ether	80.0	68.0		ug/L		85	57 - 126
4-Chloro-3-methylphenol	80.0	65.9		ug/L		82	58 - 98
4-Chloroaniline	80.0	64.8		ug/L		81	51 - 108
4-Chlorophenyl phenyl ether	80.0	67.7		ug/L		85	60 - 114
4-Nitroaniline	80.0	69.1		ug/L		86	48 - 135
4-Nitrophenol	160	61.5		ug/L		38	11 - 47
Acenaphthene	80.0	60.5		ug/L		76	58 - 107
Acenaphthylene	80.0	62.6		ug/L		78	61 - 106
Acetophenone	80.0	70.7		ug/L		88	54 - 115
Anthracene	80.0	67.2		ug/L		84	70 - 118
Benzo[a]anthracene	80.0	68.5		ug/L		86	73 - 119
Benzo[a]pyrene	80.0	62.7		ug/L		78	76 - 125
Benzo[b]fluoranthene	80.0	65.5		ug/L		82	78 - 123
Benzo[g,h,i]perylene	80.0	64.5		ug/L		81	63 - 133
Benzo[k]fluoranthene	80.0	68.7		ug/L		86	71 - 126
Bis(2-chloroethoxy)methane	80.0	67.4		ug/L		84	67 - 104
Bis(2-chloroethyl)ether	80.0	68.2		ug/L		85	63 - 106
Bis(2-ethylhexyl) phthalate	80.0	74.9		ug/L		94	63 - 135
Butyl benzyl phthalate	80.0	74.1		ug/L		93	66 - 129
Carbazole	80.0	66.2		ug/L		83	68 - 121
Chrysene	80.0	69.2		ug/L		87	73 - 121
Dibenz(a,h)anthracene	80.0	69.2		ug/L		87	59 - 136
Dibenzofuran	80.0	65.4		ug/L		82	67 - 108
Diethyl phthalate	80.0	67.6		ug/L		85	61 - 129
Dimethyl phthalate	80.0	67.3		ug/L		84	65 - 121
Di-n-butyl phthalate	80.0	69.5		ug/L		87	64 - 130
Di-n-octyl phthalate	80.0	71.4		ug/L		89	64 - 131
Fluoranthene	80.0	65.8		ug/L		82	66 - 123
Fluorene	80.0	66.5		ug/L		83	67 - 112
Hexachlorobenzene	80.0	70.1		ug/L		88	63 - 125
Hexachlorobutadiene	80.0	48.4		ug/L		61	34 - 99
Hexachlorocyclopentadiene	80.0	41.1		ug/L		51	18 - 99
Hexachloroethane	80.0	42.9		ug/L		54	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	67.6		ug/L		85	57 - 142
Isophorone	80.0	69.0		ug/L		86	55 - 105
Naphthalene	80.0	54.5		ug/L		68	51 - 98
Nitrobenzene	80.0	69.7		ug/L		87	56 - 106

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

Lab Sample ID: LCS 460-639442/2-A
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodi-n-propylamine	80.0	71.1		ug/L		89	48 - 118
N-Nitrosodiphenylamine	80.0	67.3		ug/L		84	69 - 118
Pentachlorophenol	160	132		ug/L		82	54 - 120
Phenanthrene	80.0	66.3		ug/L		83	70 - 117
Phenol	80.0	29.1		ug/L		36	16 - 43
Pyrene	80.0	72.1		ug/L		90	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*26 - 139*
2-Fluorobiphenyl	*83*		*45 - 107*
2-Fluorophenol (Surr)	*47*		*25 - 58*
Nitrobenzene-d5 (Surr)	*93*		*51 - 108*
Phenol-d5 (Surr)	*32*		*14 - 39*
Terphenyl-d14 (Surr)	*94*		*40 - 148*

Lab Sample ID: LCS 460-639442/4-A
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	160	157		ug/L		98	38 - 146
Benzaldehyde	160	124		ug/L		78	46 - 111
Caprolactam	160	48.0		ug/L		30	10 - 43

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*26 - 139*
2-Fluorobiphenyl	*74*		*45 - 107*
2-Fluorophenol (Surr)	*44*		*25 - 58*
Nitrobenzene-d5 (Surr)	*84*		*51 - 108*
Phenol-d5 (Surr)	*31*		*14 - 39*
Terphenyl-d14 (Surr)	*89*		*40 - 148*

Lab Sample ID: LCSD 460-639442/3-A
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 639442

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	59.1		ug/L		74	54 - 108	1	30
2,2'-oxybis[1-chloropropane]	80.0	60.0		ug/L		75	50 - 108	0	30
2,4,5-Trichlorophenol	80.0	62.6		ug/L		78	59 - 117	1	30
2,4,6-Trichlorophenol	80.0	65.7		ug/L		82	62 - 120	0	30
2,4-Dichlorophenol	80.0	67.0		ug/L		84	62 - 102	0	30
2,4-Dimethylphenol	80.0	62.0		ug/L		77	61 - 95	0	30
2,4-Dinitrophenol	160	175		ug/L		109	45 - 125	1	30
2,4-Dinitrotoluene	80.0	72.5		ug/L		91	70 - 123	5	30
2,6-Dinitrotoluene	80.0	70.4		ug/L		88	68 - 121	1	30
2-Chloronaphthalene	80.0	58.4		ug/L		73	54 - 105	0	30
2-Chlorophenol	80.0	58.5		ug/L		73	54 - 92	1	30

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

Lab Sample ID: LCSD 460-639442/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639497
Prep Batch: 639442

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	80.0	60.0		ug/L		75	47 - 104	0	30
2-Methylphenol	80.0	51.7		ug/L		65	43 - 80	4	30
2-Nitroaniline	80.0	69.2		ug/L		87	46 - 124	1	30
2-Nitrophenol	80.0	75.2		ug/L		94	58 - 109	0	30
3,3'-Dichlorobenzidine	80.0	71.3		ug/L		89	68 - 123	1	30
3-Nitroaniline	80.0	65.6		ug/L		82	60 - 117	2	30
4,6-Dinitro-2-methylphenol	160	165		ug/L		103	59 - 132	2	30
4-Bromophenyl phenyl ether	80.0	66.3		ug/L		83	57 - 126	2	30
4-Chloro-3-methylphenol	80.0	66.5		ug/L		83	58 - 98	1	30
4-Chloroaniline	80.0	65.1		ug/L		81	51 - 108	1	30
4-Chlorophenyl phenyl ether	80.0	68.5		ug/L		86	60 - 114	1	30
4-Nitroaniline	80.0	73.1		ug/L		91	48 - 135	6	30
4-Nitrophenol	160	63.7		ug/L		40	11 - 47	3	30
Acenaphthene	80.0	61.0		ug/L		76	58 - 107	1	30
Acenaphthylene	80.0	62.7		ug/L		78	61 - 106	0	30
Acetophenone	80.0	71.1		ug/L		89	54 - 115	0	30
Anthracene	80.0	67.6		ug/L		84	70 - 118	0	30
Benzo[a]anthracene	80.0	67.0		ug/L		84	73 - 119	2	30
Benzo[a]pyrene	80.0	61.3		ug/L		77	76 - 125	2	30
Benzo[b]fluoranthene	80.0	61.9	*	ug/L		77	78 - 123	6	30
Benzo[g,h,i]perylene	80.0	69.9		ug/L		87	63 - 133	8	30
Benzo[k]fluoranthene	80.0	66.0		ug/L		83	71 - 126	4	30
Bis(2-chloroethoxy)methane	80.0	67.5		ug/L		84	67 - 104	0	30
Bis(2-chloroethyl)ether	80.0	66.8		ug/L		83	63 - 106	2	30
Bis(2-ethylhexyl) phthalate	80.0	74.2		ug/L		93	63 - 135	1	30
Butyl benzyl phthalate	80.0	73.1		ug/L		91	66 - 129	1	30
Carbazole	80.0	66.7		ug/L		83	68 - 121	1	30
Chrysene	80.0	68.9		ug/L		86	73 - 121	0	30
Dibenz(a,h)anthracene	80.0	73.8		ug/L		92	59 - 136	6	30
Dibenzofuran	80.0	65.9		ug/L		82	67 - 108	1	30
Diethyl phthalate	80.0	69.2		ug/L		87	61 - 129	2	30
Dimethyl phthalate	80.0	68.8		ug/L		86	65 - 121	2	30
Di-n-butyl phthalate	80.0	69.2		ug/L		87	64 - 130	0	30
Di-n-octyl phthalate	80.0	64.7		ug/L		81	64 - 131	10	30
Fluoranthene	80.0	66.2		ug/L		83	66 - 123	1	30
Fluorene	80.0	67.5		ug/L		84	67 - 112	1	30
Hexachlorobenzene	80.0	68.7		ug/L		86	63 - 125	2	30
Hexachlorobutadiene	80.0	47.9		ug/L		60	34 - 99	1	30
Hexachlorocyclopentadiene	80.0	40.7		ug/L		51	18 - 99	1	30
Hexachloroethane	80.0	42.8		ug/L		53	39 - 92	0	30
Indeno[1,2,3-cd]pyrene	80.0	70.9		ug/L		89	57 - 142	5	30
Isophorone	80.0	69.8		ug/L		87	55 - 105	1	30
Naphthalene	80.0	54.0		ug/L		67	51 - 98	1	30
Nitrobenzene	80.0	70.9		ug/L		89	56 - 106	2	30
N-Nitrosodi-n-propylamine	80.0	70.5		ug/L		88	48 - 118	1	30
N-Nitrosodiphenylamine	80.0	67.1		ug/L		84	69 - 118	0	30
Pentachlorophenol	160	134		ug/L		84	54 - 120	2	30
Phenanthrene	80.0	66.7		ug/L		83	70 - 117	1	30
Phenol	80.0	29.2		ug/L		36	16 - 43	0	30

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

Lab Sample ID: LCSD 460-639442/3-A
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 639442

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene			80.0	70.6		ug/L		88	63 - 129	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*105*		*26 - 139*
2-Fluorobiphenyl	*81*		*45 - 107*
2-Fluorophenol (Surr)	*47*		*25 - 58*
Nitrobenzene-d5 (Surr)	*91*		*51 - 108*
Phenol-d5 (Surr)	*32*		*14 - 39*
Terphenyl-d14 (Surr)	*92*		*40 - 148*

Lab Sample ID: LCSD 460-639442/5-A
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 639442

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine			160	164		ug/L		103	38 - 146	5	30
Benzaldehyde			160	133		ug/L		83	46 - 111	7	30
Caprolactam			160	50.1		ug/L		31	10 - 43	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*26 - 139*
2-Fluorobiphenyl	*81*		*45 - 107*
2-Fluorophenol (Surr)	*49*		*25 - 58*
Nitrobenzene-d5 (Surr)	*92*		*51 - 108*
Phenol-d5 (Surr)	*34*		*14 - 39*
Terphenyl-d14 (Surr)	*95*		*40 - 148*

Lab Sample ID: 460-191309-D-2-A MSD
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 639442

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	1.2	U	80.0	61.6		ug/L		77	54 - 108	15	30
2,2'-oxybis[1-chloropropane]	0.63	U	80.0	64.3		ug/L		80	50 - 108	18	30
2,4,5-Trichlorophenol	0.28	U	80.0	66.6		ug/L		83	59 - 117	15	30
2,4,6-Trichlorophenol	0.30	U	80.0	67.8		ug/L		85	62 - 120	17	30
2,4-Dichlorophenol	0.42	U	80.0	70.0		ug/L		88	62 - 102	16	30
2,4-Dimethylphenol	0.24	U	80.0	65.3		ug/L		82	61 - 95	16	30
2,4-Dinitrophenol	14	U	160	180		ug/L		113	45 - 125	14	30
2,4-Dinitrotoluene	1.0	U	80.0	76.0		ug/L		95	70 - 123	16	30
2,6-Dinitrotoluene	0.39	U	80.0	73.6		ug/L		92	68 - 121	15	30
2-Chloronaphthalene	1.2	U	80.0	60.4		ug/L		76	54 - 105	14	30
2-Chlorophenol	0.38	U	80.0	60.3		ug/L		75	54 - 92	16	30
2-Methylnaphthalene	1.1	U	80.0	63.4		ug/L		79	47 - 104	15	30
2-Methylphenol	0.26	U	80.0	54.7		ug/L		68	43 - 80	18	30
2-Nitroaniline	0.47	U	80.0	68.4		ug/L		86	46 - 124	11	30
2-Nitrophenol	0.75	U	80.0	79.7		ug/L		100	58 - 109	17	30
3,3'-Dichlorobenzidine	1.4	U F1	80.0	1.4	U F1	ug/L		0	68 - 123	NC	30

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

Lab Sample ID: 460-191309-D-2-A MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639497
Prep Batch: 639442

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
3-Nitroaniline	0.96	U F1 F2	80.0	13.7	F1 F2	ug/L		17	60 - 117	114	30
4,6-Dinitro-2-methylphenol	13	U	160	172		ug/L		108	59 - 132	14	30
4-Bromophenyl phenyl ether	0.75	U	80.0	71.5		ug/L		89	57 - 126	15	30
4-Chloro-3-methylphenol	0.58	U	80.0	69.0		ug/L		86	58 - 98	16	30
4-Chloroaniline	1.9	U F1 F2	80.0	11.4	F1 F2	ug/L		14	51 - 108	121	30
4-Chlorophenyl phenyl ether	1.3	U	80.0	72.6		ug/L		91	60 - 114	17	30
4-Nitroaniline	0.54	U F2	80.0	40.9	F2	ug/L		51	48 - 135	32	30
4-Nitrophenol	0.69	U	160	59.3		ug/L		37	11 - 47	15	30
Acenaphthene	9.1	J	80.0	72.6		ug/L		79	58 - 107	8	30
Acenaphthylene	0.82	U	80.0	66.7		ug/L		83	61 - 106	15	30
Acetophenone	0.79	U	80.0	75.5		ug/L		94	54 - 115	18	30
Anthracene	0.63	U	80.0	70.0		ug/L		87	70 - 118	13	30
Atrazine	1.3	U F2	160	66.9	F2	ug/L		42	38 - 146	74	30
Benzaldehyde	0.59	U	160	126		ug/L		79	46 - 111	6	30
Benzo[a]anthracene	0.59	U	80.0	72.0		ug/L		90	73 - 119	15	30
Benzo[a]pyrene	0.41	U F1	80.0	68.1		ug/L		85	76 - 125	21	30
Benzo[b]fluoranthene	1.1	U F1 *	80.0	69.3		ug/L		87	78 - 123	24	30
Benzo[g,h,i]perylene	1.4	U	80.0	73.5		ug/L		92	63 - 133	21	30
Benzo[k]fluoranthene	0.67	U	80.0	65.0		ug/L		81	71 - 126	12	30
Bis(2-chloroethoxy)methane	0.24	U	80.0	70.2		ug/L		88	67 - 104	15	30
Bis(2-chloroethyl)ether	0.30	U	80.0	72.2		ug/L		90	63 - 106	19	30
Bis(2-ethylhexyl) phthalate	1.7	U	80.0	84.9		ug/L		106	63 - 135	16	30
Butyl benzyl phthalate	0.85	U	80.0	78.5		ug/L		98	66 - 129	13	30
Caprolactam	0.68	U	160	34.5		ug/L		22	10 - 43	25	30
Carbazole	0.68	U	80.0	64.2		ug/L		80	68 - 121	8	30
Chrysene	0.91	U	80.0	73.7		ug/L		92	73 - 121	16	30
Dibenz(a,h)anthracene	0.72	U	80.0	84.1		ug/L		105	59 - 136	24	30
Dibenzofuran	1.1	U	80.0	69.0		ug/L		86	67 - 108	14	30
Diethyl phthalate	0.98	U	80.0	73.4		ug/L		92	61 - 129	17	30
Dimethyl phthalate	0.77	U	80.0	72.2		ug/L		90	65 - 121	16	30
Di-n-butyl phthalate	0.84	U	80.0	74.1		ug/L		93	64 - 130	16	30
Di-n-octyl phthalate	4.8	U	80.0	66.0		ug/L		82	64 - 131	12	30
Fluoranthene	0.84	U	80.0	67.0		ug/L		84	66 - 123	14	30
Fluorene	0.91	U	80.0	71.6		ug/L		90	67 - 112	14	30
Hexachlorobenzene	0.40	U	80.0	74.5		ug/L		93	63 - 125	16	30
Hexachlorobutadiene	0.78	U	80.0	49.0		ug/L		61	34 - 99	10	30
Hexachlorocyclopentadiene	1.7	U	80.0	44.4		ug/L		56	18 - 99	22	30
Hexachloroethane	1.2	U	80.0	45.5		ug/L		57	39 - 92	11	30
Indeno[1,2,3-cd]pyrene	1.3	U	80.0	79.2		ug/L		99	57 - 142	16	30
Isophorone	0.80	U	80.0	73.6		ug/L		92	55 - 105	17	30
Naphthalene	1.1	U	80.0	60.1		ug/L		75	51 - 98	15	30
Nitrobenzene	0.57	U	80.0	77.2		ug/L		96	56 - 106	20	30
N-Nitrosodi-n-propylamine	0.43	U	80.0	75.4		ug/L		94	48 - 118	17	30
N-Nitrosodiphenylamine	0.89	U	80.0	63.9		ug/L		80	69 - 118	6	30
Pentachlorophenol	1.4	U	160	148		ug/L		92	54 - 120	16	30
Phenanthrene	0.58	U	80.0	69.2		ug/L		87	70 - 117	15	30
Phenol	0.29	U	80.0	24.7		ug/L		31	16 - 43	8	30
Pyrene	1.6	U	80.0	75.0		ug/L		94	63 - 129	13	30

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

Lab Sample ID: 460-191309-D-2-A MSD
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 639442

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*103*		*26 - 139*
2-Fluorobiphenyl	*78*		*45 - 107*
2-Fluorophenol (Surr)	*42*		*25 - 58*
Nitrobenzene-d5 (Surr)	*86*		*51 - 108*
Phenol-d5 (Surr)	*28*		*14 - 39*
Terphenyl-d14 (Surr)	*85*		*40 - 148*

Lab Sample ID: 460-191309-E-2-A MS
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 639442

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	1.2	U	80.0	53.1		ug/L		66	54 - 108
2,2'-oxybis[1-chloropropane]	0.63	U	80.0	53.8		ug/L		67	50 - 108
2,4,5-Trichlorophenol	0.28	U	80.0	57.1		ug/L		71	59 - 117
2,4,6-Trichlorophenol	0.30	U	80.0	57.2		ug/L		71	62 - 120
2,4-Dichlorophenol	0.42	U	80.0	59.4		ug/L		74	62 - 102
2,4-Dimethylphenol	0.24	U	80.0	55.5		ug/L		69	61 - 95
2,4-Dinitrophenol	14	U	160	157		ug/L		98	45 - 125
2,4-Dinitrotoluene	1.0	U	80.0	64.7		ug/L		81	70 - 123
2,6-Dinitrotoluene	0.39	U	80.0	63.4		ug/L		79	68 - 121
2-Chloronaphthalene	1.2	U	80.0	52.7		ug/L		66	54 - 105
2-Chlorophenol	0.38	U	80.0	51.5		ug/L		64	54 - 92
2-Methylnaphthalene	1.1	U	80.0	54.6		ug/L		68	47 - 104
2-Methylphenol	0.26	U	80.0	45.7		ug/L		57	43 - 80
2-Nitroaniline	0.47	U	80.0	61.1		ug/L		76	46 - 124
2-Nitrophenol	0.75	U	80.0	67.2		ug/L		84	58 - 109
3,3'-Dichlorobenzidine	1.4	U F1	80.0	39.0	F1	ug/L		49	68 - 123
3-Nitroaniline	0.96	U F1 F2	80.0	50.0		ug/L		63	60 - 117
4,6-Dinitro-2-methylphenol	13	U	160	149		ug/L		93	59 - 132
4-Bromophenyl phenyl ether	0.75	U	80.0	61.5		ug/L		77	57 - 126
4-Chloro-3-methylphenol	0.58	U	80.0	58.7		ug/L		73	58 - 98
4-Chloroaniline	1.9	U F1 F2	80.0	46.2		ug/L		58	51 - 108
4-Chlorophenyl phenyl ether	1.3	U	80.0	61.2		ug/L		77	60 - 114
4-Nitroaniline	0.54	U F2	80.0	56.3		ug/L		70	48 - 135
4-Nitrophenol	0.69	U	160	51.2		ug/L		32	11 - 47
Acenaphthene	9.1	J	80.0	67.3		ug/L		73	58 - 107
Acenaphthylene	0.82	U	80.0	57.3		ug/L		72	61 - 106
Acetophenone	0.79	U	80.0	62.8		ug/L		78	54 - 115
Anthracene	0.63	U	80.0	61.4		ug/L		77	70 - 118
Atrazine	1.3	U F2	160	146		ug/L		91	38 - 146
Benzaldehyde	0.59	U	160	119		ug/L		75	46 - 111
Benzo[a]anthracene	0.59	U	80.0	61.9		ug/L		77	73 - 119
Benzo[a]pyrene	0.41	U F1	80.0	55.4	F1	ug/L		69	76 - 125
Benzo[b]fluoranthene	1.1	U F1 *	80.0	54.6	F1	ug/L		68	78 - 123
Benzo[g,h,i]perylene	1.4	U	80.0	59.2		ug/L		74	63 - 133
Benzo[k]fluoranthene	0.67	U	80.0	57.8		ug/L		72	71 - 126
Bis(2-chloroethoxy)methane	0.24	U	80.0	60.3		ug/L		75	67 - 104

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

Lab Sample ID: 460-191309-E-2-A MS
Matrix: Water
Analysis Batch: 639497

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 639442

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	0.30	U	80.0	59.9		ug/L		75	63 - 106
Bis(2-ethylhexyl) phthalate	1.7	U	80.0	72.2		ug/L		90	63 - 135
Butyl benzyl phthalate	0.85	U	80.0	68.6		ug/L		86	66 - 129
Caprolactam	0.68	U	160	44.6		ug/L		28	10 - 43
Carbazole	0.68	U	80.0	59.3		ug/L		74	68 - 121
Chrysene	0.91	U	80.0	62.6		ug/L		78	73 - 121
Dibenz(a,h)anthracene	0.72	U	80.0	66.1		ug/L		83	59 - 136
Dibenzofuran	1.1	U	80.0	59.9		ug/L		75	67 - 108
Diethyl phthalate	0.98	U	80.0	61.9		ug/L		77	61 - 129
Dimethyl phthalate	0.77	U	80.0	61.6		ug/L		77	65 - 121
Di-n-butyl phthalate	0.84	U	80.0	63.1		ug/L		79	64 - 130
Di-n-octyl phthalate	4.8	U	80.0	58.7		ug/L		73	64 - 131
Fluoranthene	0.84	U	80.0	58.5		ug/L		73	66 - 123
Fluorene	0.91	U	80.0	62.3		ug/L		78	67 - 112
Hexachlorobenzene	0.40	U	80.0	63.3		ug/L		79	63 - 125
Hexachlorobutadiene	0.78	U	80.0	44.5		ug/L		56	34 - 99
Hexachlorocyclopentadiene	1.7	U	80.0	35.6		ug/L		45	18 - 99
Hexachloroethane	1.2	U	80.0	40.6		ug/L		51	39 - 92
Indeno[1,2,3-cd]pyrene	1.3	U	80.0	67.7		ug/L		85	57 - 142
Isophorone	0.80	U	80.0	62.3		ug/L		78	55 - 105
Naphthalene	1.1	U	80.0	51.5		ug/L		64	51 - 98
Nitrobenzene	0.57	U	80.0	63.4		ug/L		79	56 - 106
N-Nitrosodi-n-propylamine	0.43	U	80.0	63.4		ug/L		79	48 - 118
N-Nitrosodiphenylamine	0.89	U	80.0	60.2		ug/L		75	69 - 118
Pentachlorophenol	1.4	U	160	125		ug/L		78	54 - 120
Phenanthrene	0.58	U	80.0	59.8		ug/L		75	70 - 117
Phenol	0.29	U	80.0	22.9		ug/L		29	16 - 43
Pyrene	1.6	U	80.0	65.7		ug/L		82	63 - 129

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*26 - 139*
2-Fluorobiphenyl	*68*		*45 - 107*
2-Fluorophenol (Surr)	*36*		*25 - 58*
Nitrobenzene-d5 (Surr)	*74*		*51 - 108*
Phenol-d5 (Surr)	*24*		*14 - 39*
Terphenyl-d14 (Surr)	*75*		*40 - 148*

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-640134/1-A
Matrix: Water
Analysis Batch: 640215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 640134

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/18/19 09:58	09/18/19 14:03	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 460-640134/2-A
Matrix: Water
Analysis Batch: 640215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640134

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.100	0.0997		mg/L		100	85 - 115		

Lab Sample ID: 460-191068-E-4-B MS
Matrix: Water
Analysis Batch: 640215

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 640134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.0040	U F1	0.200	0.244	F1	mg/L		122	90 - 110		

Lab Sample ID: 460-191068-E-4-C MSD
Matrix: Water
Analysis Batch: 640215

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 640134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0040	U F1	0.200	0.237	F1	mg/L		119	90 - 110	3	35

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Analysis Batch: 639801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191322-1	MW-3D 091219	Total/NA	Water	8260C	
460-191322-2	MW-20D 091219	Total/NA	Water	8260C	
460-191322-3	Trip Blank	Total/NA	Water	8260C	
MB 460-639801/8	Method Blank	Total/NA	Water	8260C	
LCS 460-639801/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-639801/5	Lab Control Sample Dup	Total/NA	Water	8260C	
460-191351-C-2 MS	Matrix Spike	Total/NA	Water	8260C	
460-191351-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 639442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191322-1	MW-3D 091219	Total/NA	Water	3510C	
460-191322-2	MW-20D 091219	Total/NA	Water	3510C	
MB 460-639442/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-639442/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 460-639442/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-639442/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 460-639442/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-191309-D-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
460-191309-E-2-A MS	Matrix Spike	Total/NA	Water	3510C	

Analysis Batch: 639497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191322-1	MW-3D 091219	Total/NA	Water	8270D	639442
460-191322-2	MW-20D 091219	Total/NA	Water	8270D	639442
MB 460-639442/1-A	Method Blank	Total/NA	Water	8270D	639442
LCS 460-639442/2-A	Lab Control Sample	Total/NA	Water	8270D	639442
LCS 460-639442/4-A	Lab Control Sample	Total/NA	Water	8270D	639442
LCSD 460-639442/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	639442
LCSD 460-639442/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	639442
460-191309-D-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	639442
460-191309-E-2-A MS	Matrix Spike	Total/NA	Water	8270D	639442

General Chemistry

Prep Batch: 640134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191322-1	MW-3D 091219	Total/NA	Water	9012B	
460-191322-2	MW-20D 091219	Total/NA	Water	9012B	
MB 460-640134/1-A	Method Blank	Total/NA	Water	9012B	
LCS 460-640134/2-A	Lab Control Sample	Total/NA	Water	9012B	
460-191068-E-4-B MS	Matrix Spike	Total/NA	Water	9012B	
460-191068-E-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 640215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191322-1	MW-3D 091219	Total/NA	Water	9012B	640134
460-191322-2	MW-20D 091219	Total/NA	Water	9012B	640134
MB 460-640134/1-A	Method Blank	Total/NA	Water	9012B	640134
LCS 460-640134/2-A	Lab Control Sample	Total/NA	Water	9012B	640134

General Chemistry (Continued)

Analysis Batch: 640215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191068-E-4-B MS	Matrix Spike	Total/NA	Water	9012B	640134
460-191068-E-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	640134

Lab Chronicle

Client: AECOM
Job ID: 460-191322-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Client Sample ID: MW-3D 091219
Lab Sample ID: 460-191322-1
Date Collected: 09/12/19 08:25
Matrix: Water
Date Received: 09/13/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 16:44	DAS	TAL EDI
Total/NA	Prep	3510C			639442	09/15/19 07:46	DXD	TAL EDI
Total/NA	Analysis	8270D		1	639497	09/16/19 04:41	MME	TAL EDI
Total/NA	Prep	9012B			640134	09/18/19 09:58	IAA	TAL EDI
Total/NA	Analysis	9012B		1	640215	09/18/19 14:16	AJP	TAL EDI

Client Sample ID: MW-20D 091219
Lab Sample ID: 460-191322-2
Date Collected: 09/12/19 10:05
Matrix: Water
Date Received: 09/13/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 17:09	DAS	TAL EDI
Total/NA	Prep	3510C			639442	09/15/19 07:46	DXD	TAL EDI
Total/NA	Analysis	8270D		1	639497	09/16/19 05:02	MME	TAL EDI
Total/NA	Prep	9012B			640134	09/18/19 09:58	IAA	TAL EDI
Total/NA	Analysis	9012B		1	640215	09/18/19 14:17	AJP	TAL EDI

Client Sample ID: Trip Blank
Lab Sample ID: 460-191322-3
Date Collected: 09/12/19 00:00
Matrix: Water
Date Received: 09/13/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 11:43	DAS	TAL EDI

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

Accreditation/Certification Summary

Client: AECOM
Job ID: 460-191322-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-3D 091219	460-191322-1	101	98	94	93
MW-20D 091219	460-191322-2	102	100	96	93
Trip Blank	460-191322-3	100	98	95	92
	MB 460-639801/8	98	97	95	90
	LCS 460-639801/4	98	98	94	97
	LCSD 460-639801/5	97	97	95	97
	460-191351-C-2 MS	99	97	93	98
	460-191351-C-2 MSD	99	93	95	100

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	72-131
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	77-124

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65921.D

Lab ID: LCS 460-639801/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.1	101	75-125	
1,1,2,2-Tetrachloroethane	20.0	21.1	106	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.7	94	59-150	
1,1,2-Trichloroethane	20.0	20.6	103	78-120	
1,1-Dichloroethane	20.0	23.7	118	77-123	
1,1-Dichloroethene	20.0	21.5	108	74-123	
1,2,4-Trichlorobenzene	20.0	22.6	113	80-124	
1,2-Dibromo-3-Chloropropane	20.0	23.1	115	55-134	
1,2-Dichlorobenzene	20.0	21.6	108	80-120	
1,2-Dichloroethane	20.0	19.9	100	76-121	
1,2-Dichloropropane	20.0	21.0	105	77-123	
1,3-Dichlorobenzene	20.0	21.8	109	80-120	
1,4-Dichlorobenzene	20.0	21.4	107	80-120	
2-Butanone (MEK)	100	96.8	97	64-120	
2-Hexanone	100	107	107	71-125	
4-Methyl-2-pentanone (MIBK)	100	102	102	78-124	
Acetone	100	119	119	39-150	
Benzene	20.0	20.8	104	77-121	
Bromoform	20.0	20.6	103	53-120	
Bromomethane	20.0	16.6	83	10-150	
Carbon disulfide	20.0	21.1	105	69-133	
Carbon tetrachloride	20.0	19.1	96	70-132	
Chlorobenzene	20.0	20.7	104	80-120	
Chlorodibromomethane	20.0	19.6	98	73-120	
Chloroethane	20.0	25.6	128	52-150	
Chloroform	20.0	21.9	110	80-120	
Chloromethane	20.0	22.7	113	56-131	
cis-1,2-Dichloroethene	20.0	21.8	109	80-120	
cis-1,3-Dichloropropene	20.0	21.7	109	77-120	
Cyclohexane	20.0	18.1	90	56-150	
Dichlorobromomethane	20.0	20.4	102	76-120	
Dichlorodifluoromethane	20.0	11.6	58	50-131	
Ethylbenzene	20.0	21.3	107	80-120	
Ethylene Dibromide	20.0	20.5	103	80-120	
Isopropylbenzene	20.0	21.8	109	80-123	
Methyl acetate	40.0	37.5	94	66-144	
Methyl tert-butyl ether	20.0	24.2	121	79-122	
Methylcyclohexane	20.0	17.4	87	61-145	
Methylene Chloride	20.0	22.1	110	77-123	
Styrene	20.0	20.8	104	80-120	
Tetrachloroethene	20.0	20.8	104	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65921.D

Lab ID: LCS 460-639801/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	20.0	20.5	102	80-120	
trans-1,2-Dichloroethene	20.0	23.3	117	79-120	
trans-1,3-Dichloropropene	20.0	21.3	107	76-120	
Trichloroethene	20.0	20.8	104	77-120	
Trichlorofluoromethane	20.0	20.2	101	71-143	
Vinyl chloride	20.0	25.3	127	62-138	
Xylenes, Total	40.0	41.0	102	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65922.D

Lab ID: LCSD 460-639801/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.3	102	1	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	21.6	108	2	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.7	88	6	30	59-150	
1,1,2-Trichloroethane	20.0	20.9	105	1	30	78-120	
1,1-Dichloroethane	20.0	24.1	121	2	30	77-123	
1,1-Dichloroethene	20.0	20.3	102	6	30	74-123	
1,2,4-Trichlorobenzene	20.0	23.0	115	2	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	24.3	121	5	30	55-134	
1,2-Dichlorobenzene	20.0	22.2	111	2	30	80-120	
1,2-Dichloroethane	20.0	20.2	101	2	30	76-121	
1,2-Dichloropropane	20.0	21.5	108	3	30	77-123	
1,3-Dichlorobenzene	20.0	22.4	112	3	30	80-120	
1,4-Dichlorobenzene	20.0	21.9	109	2	30	80-120	
2-Butanone (MEK)	100	95.4	95	1	30	64-120	
2-Hexanone	100	110	110	3	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	106	106	3	30	78-124	
Acetone	100	118	118	1	30	39-150	
Benzene	20.0	21.3	106	2	30	77-121	
Bromoform	20.0	21.3	107	3	30	53-120	
Bromomethane	20.0	18.5	92	10	30	10-150	
Carbon disulfide	20.0	20.7	104	2	30	69-133	
Carbon tetrachloride	20.0	19.1	95	0	30	70-132	
Chlorobenzene	20.0	20.8	104	0	30	80-120	
Chlorodibromomethane	20.0	19.6	98	0	30	73-120	
Chloroethane	20.0	23.5	118	8	30	52-150	
Chloroform	20.0	21.5	108	2	30	80-120	
Chloromethane	20.0	21.0	105	8	30	56-131	
cis-1,2-Dichloroethene	20.0	21.6	108	1	30	80-120	
cis-1,3-Dichloropropene	20.0	22.0	110	1	30	77-120	
Cyclohexane	20.0	17.7	88	2	30	56-150	
Dichlorobromomethane	20.0	20.4	102	0	30	76-120	
Dichlorodifluoromethane	20.0	11.1	55	5	30	50-131	
Ethylbenzene	20.0	21.3	107	0	30	80-120	
Ethylene Dibromide	20.0	20.6	103	0	30	80-120	
Isopropylbenzene	20.0	21.9	110	0	30	80-123	
Methyl acetate	40.0	37.4	93	0	30	66-144	
Methyl tert-butyl ether	20.0	24.0	120	1	30	79-122	
Methylcyclohexane	20.0	16.6	83	5	30	61-145	
Methylene Chloride	20.0	22.1	111	0	30	77-123	
Styrene	20.0	20.6	103	1	30	80-120	
Tetrachloroethene	20.0	20.6	103	1	30	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65922.D

Lab ID: LCSD 460-639801/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	20.0	21.0	105	2	30	80-120	
trans-1,2-Dichloroethene	20.0	23.0	115	2	30	79-120	
trans-1,3-Dichloropropene	20.0	21.7	109	2	30	76-120	
Trichloroethene	20.0	20.9	105	1	30	77-120	
Trichlorofluoromethane	20.0	19.1	96	5	30	71-143	
Vinyl chloride	20.0	24.1	120	5	30	62-138	
Xylenes, Total	40.0	41.8	104	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65943.D

Lab ID: 460-191351-C-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	0.24 U	18.7	94	75-125	
1,1,2,2-Tetrachloroethane	20.0	0.37 U	21.0	105	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	0.31 U	16.2	81	59-150	
1,1,2-Trichloroethane	20.0	0.43 U	20.2	101	78-120	
1,1-Dichloroethane	20.0	0.26 U	22.5	112	77-123	
1,1-Dichloroethene	20.0	0.26 U	19.1	95	74-123	
1,2,4-Trichlorobenzene	20.0	0.37 U	19.7	99	80-124	
1,2-Dibromo-3-Chloropropane	20.0	0.38 U	21.7	109	55-134	
1,2-Dichlorobenzene	20.0	0.43 U	20.6	103	80-120	
1,2-Dichloroethane	20.0	0.43 U	18.8	94	76-121	
1,2-Dichloropropane	20.0	0.35 U	19.8	99	77-123	
1,3-Dichlorobenzene	20.0	0.34 U	20.2	101	80-120	
1,4-Dichlorobenzene	20.0	0.33 U	19.8	99	80-120	
2-Butanone (MEK)	100	1.9 U	90.5	91	64-120	
2-Hexanone	100	1.1 U	100	100	71-125	
4-Methyl-2-pentanone (MIBK)	100	1.3 U	98.4	98	78-124	
Acetone	100	4.4 U	107	107	39-150	
Benzene	20.0	0.20 U	19.3	97	77-121	
Bromoform	20.0	0.54 U	20.8	104	53-120	
Bromomethane	20.0	0.55 U	13.2	66	10-150	
Carbon disulfide	20.0	0.82 U	18.6	93	69-133	
Carbon tetrachloride	20.0	0.21 U	17.6	88	70-132	
Chlorobenzene	20.0	0.38 U	19.4	97	80-120	
Chlorodibromomethane	20.0	0.28 U	18.9	95	73-120	
Chloroethane	20.0	0.32 U	20.7	104	52-150	
Chloroform	20.0	0.33 U	20.3	102	80-120	
Chloromethane	20.0	0.40 U	18.8	94	56-131	
cis-1,2-Dichloroethene	20.0	0.22 U	20.2	101	80-120	
cis-1,3-Dichloropropene	20.0	0.22 U	18.2	91	77-120	
Cyclohexane	20.0	0.32 U	14.7	74	56-150	
Dichlorobromomethane	20.0	0.34 U	19.5	98	76-120	
Dichlorodifluoromethane	20.0	0.31 U	14.9	75	50-131	
Ethylbenzene	20.0	0.30 U	19.5	98	80-120	
Ethylene Dibromide	20.0	0.50 U	19.3	97	80-120	
Isopropylbenzene	20.0	0.34 U	19.6	98	80-123	
Methyl acetate	40.0	0.79 U	32.4	81	66-144	
Methyl tert-butyl ether	20.0	0.47 U	22.1	110	79-122	
Methylcyclohexane	20.0	0.26 U	14.2	71	61-145	
Methylene Chloride	20.0	0.32 U	20.2	101	77-123	
Styrene	20.0	0.42 U	18.6	93	80-120	
Tetrachloroethene	20.0	0.25 U	18.8	94	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65943.D

Lab ID: 460-191351-C-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	20.0	0.38 U	19.0	95	80-120	
trans-1,2-Dichloroethene	20.0	0.24 U	21.1	106	79-120	
trans-1,3-Dichloropropene	20.0	0.49 U	18.7	94	76-120	
Trichloroethene	20.0	0.31 U	20.4	102	77-120	
Trichlorofluoromethane	20.0	0.32 U	21.0	105	71-143	
Vinyl chloride	20.0	0.17 U	23.0	115	62-138	
Xylenes, Total	40.0	0.65 U	37.3	93	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65944.D

Lab ID: 460-191351-C-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.8	104	10	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	22.3	111	6	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.1	85	5	30	59-150	
1,1,2-Trichloroethane	20.0	21.9	109	8	30	78-120	
1,1-Dichloroethane	20.0	24.7	124	10	30	77-123	F1
1,1-Dichloroethene	20.0	21.5	108	12	30	74-123	
1,2,4-Trichlorobenzene	20.0	22.2	111	12	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	22.7	114	5	30	55-134	
1,2-Dichlorobenzene	20.0	22.5	113	9	30	80-120	
1,2-Dichloroethane	20.0	20.8	104	10	30	76-121	
1,2-Dichloropropane	20.0	22.0	110	10	30	77-123	
1,3-Dichlorobenzene	20.0	22.0	110	9	30	80-120	
1,4-Dichlorobenzene	20.0	22.2	111	11	30	80-120	
2-Butanone (MEK)	100	103	103	13	30	64-120	
2-Hexanone	100	114	114	13	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	112	112	13	30	78-124	
Acetone	100	117	117	9	30	39-150	
Benzene	20.0	21.9	110	12	30	77-121	
Bromoform	20.0	22.1	110	6	30	53-120	
Bromomethane	20.0	17.4	87	28	30	10-150	
Carbon disulfide	20.0	20.7	104	11	30	69-133	
Carbon tetrachloride	20.0	19.5	98	10	30	70-132	
Chlorobenzene	20.0	22.2	111	14	30	80-120	
Chlorodibromomethane	20.0	20.4	102	7	30	73-120	
Chloroethane	20.0	22.7	114	9	30	52-150	
Chloroform	20.0	22.6	113	10	30	80-120	
Chloromethane	20.0	21.6	108	14	30	56-131	
cis-1,2-Dichloroethene	20.0	21.5	108	7	30	80-120	
cis-1,3-Dichloropropene	20.0	21.2	106	15	30	77-120	
Cyclohexane	20.0	16.7	84	13	30	56-150	
Dichlorobromomethane	20.0	21.3	107	9	30	76-120	
Dichlorodifluoromethane	20.0	15.9	80	6	30	50-131	
Ethylbenzene	20.0	21.9	110	12	30	80-120	
Ethylene Dibromide	20.0	21.1	106	9	30	80-120	
Isopropylbenzene	20.0	22.2	111	13	30	80-123	
Methyl acetate	40.0	36.1	90	11	30	66-144	
Methyl tert-butyl ether	20.0	24.4	122	10	30	79-122	
Methylcyclohexane	20.0	15.9	79	11	30	61-145	
Methylene Chloride	20.0	22.6	113	11	30	77-123	
Styrene	20.0	21.4	107	14	30	80-120	
Tetrachloroethene	20.0	21.3	107	12	30	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65944.D

Lab ID: 460-191351-C-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	20.0	21.6	108	13	30	80-120	
trans-1,2-Dichloroethene	20.0	23.4	117	10	30	79-120	
trans-1,3-Dichloropropene	20.0	21.1	105	12	30	76-120	
Trichloroethene	20.0	21.8	109	6	30	77-120	
Trichlorofluoromethane	20.0	23.0	115	9	30	71-143	
Vinyl chloride	20.0	25.2	126	9	30	62-138	
Xylenes, Total	40.0	42.5	106	13	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab File ID: P65925.D Lab Sample ID: MB 460-639801/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS13 Date Analyzed: 09/17/2019 10:51

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-639801/4	P65921.D	09/17/2019 09:12
	LCSD 460-639801/5	P65922.D	09/17/2019 09:37
Trip Blank	460-191322-3	P65927.D	09/17/2019 11:43
MW-3D 091219	460-191322-1	P65939.D	09/17/2019 16:44
MW-20D 091219	460-191322-2	P65940.D	09/17/2019 17:09
	460-191351-C-2 MS	P65943.D	09/17/2019 18:24
	460-191351-C-2 MSD	P65944.D	09/17/2019 18:49

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab File ID: P65039.D BFB Injection Date: 08/23/2019

Instrument ID: CVOAMS13 BFB Injection Time: 07:52

Analysis Batch No.: 634356

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.1	
75	30.0 - 60.0 % of mass 95	50.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	77.9	
175	5.0 - 9.0 % of mass 174	6.3	(8.1) 1
176	95.0 - 101.0 % of mass 174	75.5	(96.9) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

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
	STD8 460-634356/2	P65040.D	08/23/2019	08:16
	STD1 460-634356/4	P65042.D	08/23/2019	09:06
	STD20 460-634356/6	P65044.D	08/23/2019	09:55
	STD50 460-634356/7	P65045.D	08/23/2019	10:20
	STD200 460-634356/8	P65046.D	08/23/2019	10:45
	STD500 460-634356/9	P65047.D	08/23/2019	11:10
	STD5 460-634356/14	P65052.D	08/23/2019	13:15

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab File ID: P65918.D BFB Injection Date: 09/17/2019

Instrument ID: CVOAMS13 BFB Injection Time: 07:11

Analysis Batch No.: 639801

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.2
75	30.0 - 60.0 % of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	76.8
175	5.0 - 9.0 % of mass 174	5.4 (7.0) 1
176	95.0 - 101.0 % of mass 174	76.8 (100.0) 1
177	5.0 - 9.0 % of mass 176	5.5 (7.2) 2

1-Value is % mass 174 2-Value is % mass 176

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 460-639801/3	P65920.D	09/17/2019	08:32
	LCS 460-639801/4	P65921.D	09/17/2019	09:12
	LCSD 460-639801/5	P65922.D	09/17/2019	09:37
	MB 460-639801/8	P65925.D	09/17/2019	10:51
Trip Blank	460-191322-3	P65927.D	09/17/2019	11:43
MW-3D 091219	460-191322-1	P65939.D	09/17/2019	16:44
MW-20D 091219	460-191322-2	P65940.D	09/17/2019	17:09
	460-191351-C-2 MS	P65943.D	09/17/2019	18:24
	460-191351-C-2 MSD	P65944.D	09/17/2019	18:49

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Sample No.: CCVIS 460-639801/3 Date Analyzed: 09/17/2019 08:32

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): P65920.D Heated Purge: (Y/N) N

Calibration ID: 76281

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		278058	1.95	343008	2.96	672993	3.53
UPPER LIMIT		556116	2.45	686016	3.46	1345986	4.03
LOWER LIMIT		139029	1.45	171504	2.46	336497	3.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-639801/4		299014	1.95	367034	2.96	676942	3.53
LCSD 460-639801/5		305073	1.95	371402	2.96	676660	3.53
MB 460-639801/8		291853	1.95	351562	2.96	664910	3.53
460-191322-3	Trip Blank	284336	1.95	345031	2.96	653543	3.53
460-191322-1	MW-3D 091219	297127	1.95	336185	2.96	621002	3.53
460-191322-2	MW-20D 091219	293559	1.95	330301	2.96	622087	3.53
460-191351-C-2 MS		299789	1.95	354790	2.96	638779	3.53
460-191351-C-2 MSD		289156	1.95	342736	2.96	638936	3.53

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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 8260C

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Sample No.: CCVIS 460-639801/3 Date Analyzed: 09/17/2019 08:32

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): P65920.D Heated Purge: (Y/N) N

Calibration ID: 76281

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		27586	4.40	499881	6.91	265621	10.43
UPPER LIMIT		55172	4.90	999762	7.41	531242	10.93
LOWER LIMIT		13793	3.90	249941	6.41	132811	9.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-639801/4		28889	4.40	501712	6.91	272682	10.43
LCSD 460-639801/5		29854	4.40	499156	6.91	271082	10.43
MB 460-639801/8		26499	4.40	491343	6.91	258287	10.43
460-191322-3	Trip Blank	25864	4.40	478391	6.91	250010	10.43
460-191322-1	MW-3D 091219	24341	4.40	458622	6.91	241856	10.43
460-191322-2	MW-20D 091219	25173	4.40	455913	6.91	242235	10.43
460-191351-C-2 MS		27109	4.40	480268	6.91	262637	10.43
460-191351-C-2 MSD		29298	4.40	477628	6.91	264254	10.43

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: MW-3D 091219 Lab Sample ID: 460-191322-1

Matrix: Water Lab File ID: P65939.D

Analysis Method: 8260C Date Collected: 09/12/2019 08:25

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 16:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: MW-3D 091219 Lab Sample ID: 460-191322-1

Matrix: Water Lab File ID: P65939.D

Analysis Method: 8260C Date Collected: 09/12/2019 08:25

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 16:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	93		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65939.D
Lims ID: 460-191322-A-1
Client ID: MW-3D 091219
Sample Type: Client
Inject. Date: 17-Sep-2019 16:44:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191322-A-1
Misc. Info.: 460-0097690-022
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:17:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	86	2889	3.37	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	297127	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	142060	50.6	
* 53 2-Butanone-d5	46	2.963	2.956	0.007	0	336185	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	177967	48.8	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	621002	50.0	
* 76 1,4-Dioxane-d8	96	4.403	4.403	-0.001	0	24341	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	571581	46.8	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	458622	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	174395	46.4	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	241856	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

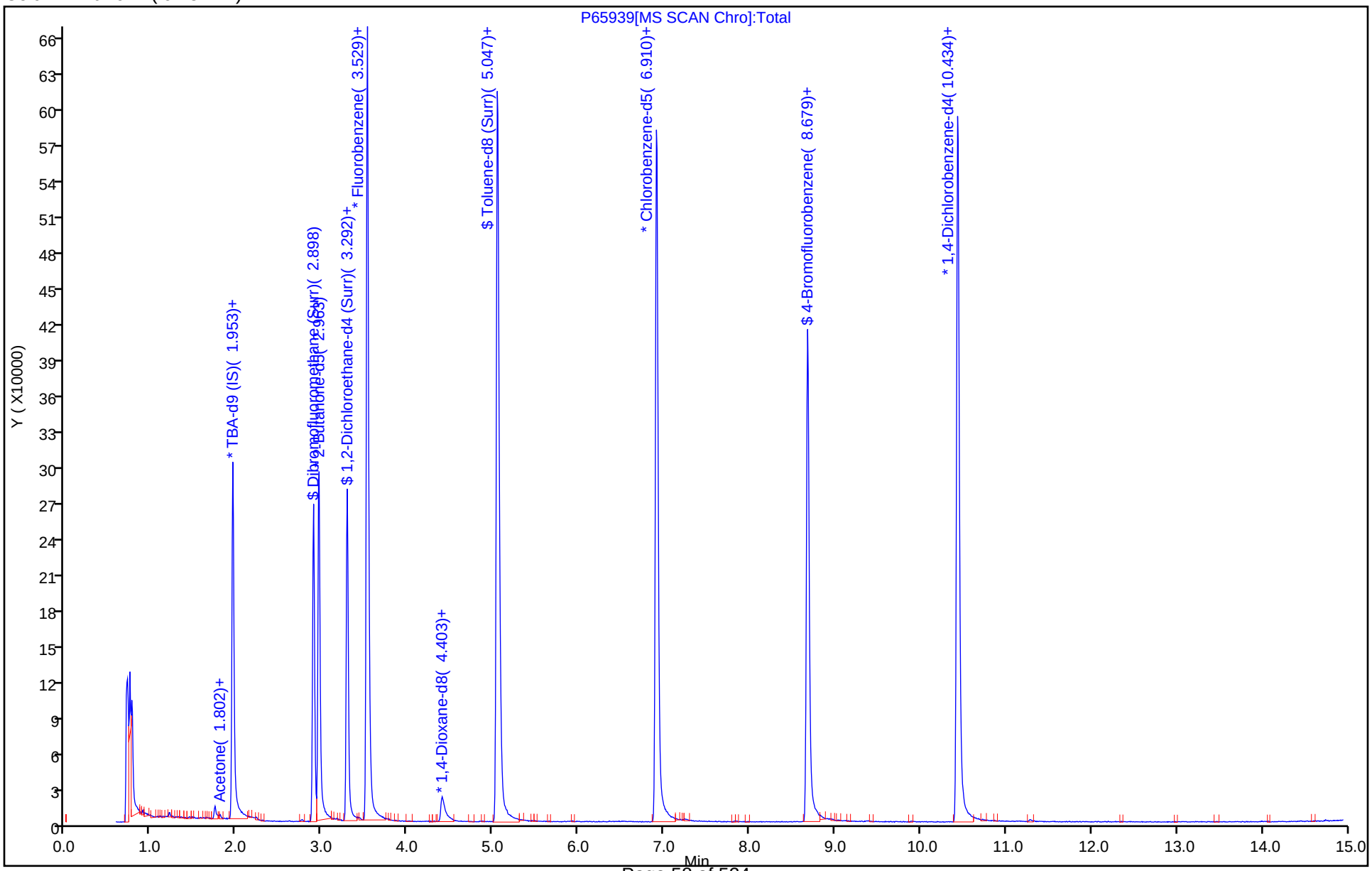
Report Date: 18-Sep-2019 05:41:07 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65939.D

Injection Date:	17-Sep-2019 16:44:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191322-A-1	Lab Sample ID:	460-191322-1	Worklist Smp#:	22
Client ID:	MW-3D 091219				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



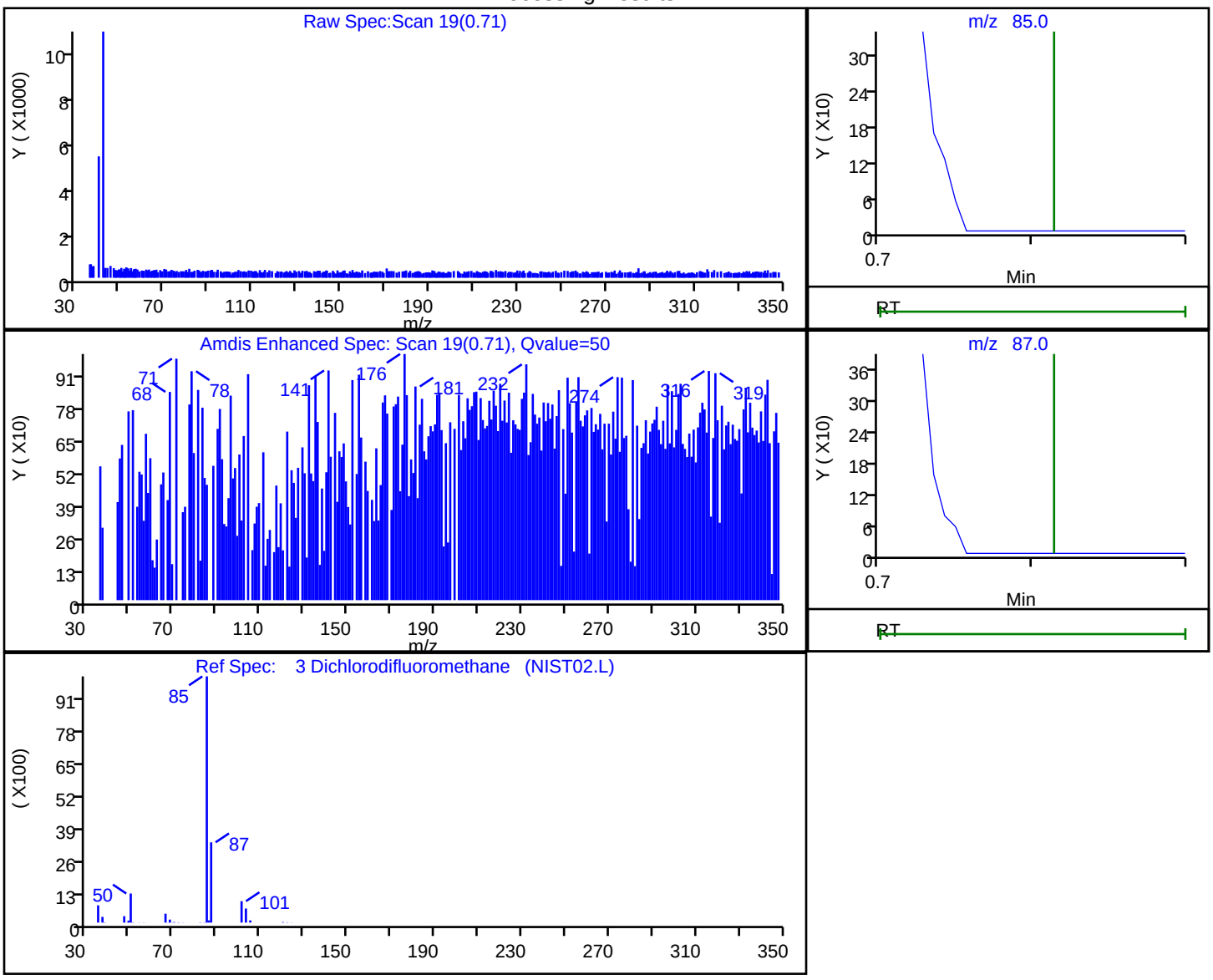
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65939.D		
Injection Date:	17-Sep-2019 16:44:30	Instrument ID:	CVOAMS13
Lims ID:	460-191322-A-1	Lab Sample ID:	460-191322-1
Client ID:	MW-3D 091219		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.71	85.00	460	0.133421
0.71	87.00	575	

Reviewer: sarmientod, 17-Sep-2019 20:16:21

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: MW-20D 091219 Lab Sample ID: 460-191322-2

Matrix: Water Lab File ID: P65940.D

Analysis Method: 8260C Date Collected: 09/12/2019 10:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: MW-20D 091219 Lab Sample ID: 460-191322-2

Matrix: Water Lab File ID: P65940.D

Analysis Method: 8260C Date Collected: 09/12/2019 10:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	93		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65940.D
Lims ID: 460-191322-B-2
Client ID: MW-20D 091219
Sample Type: Client
Inject. Date: 17-Sep-2019 17:09:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191322-B-2
Misc. Info.: 460-0097690-023
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:17:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	87	3328	3.95	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	293559	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	143817	51.1	
* 53 2-Butanone-d5	46	2.963	2.956	0.007	0	330301	250.0	
58 Benzene	78	3.185	3.185	0.000	94	1176	0.0916	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	181977	49.8	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	622087	50.0	
* 76 1,4-Dioxane-d8	96	4.403	4.403	0.000	0	25173	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	582521	48.0	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	455913	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	173575	46.4	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	242235	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

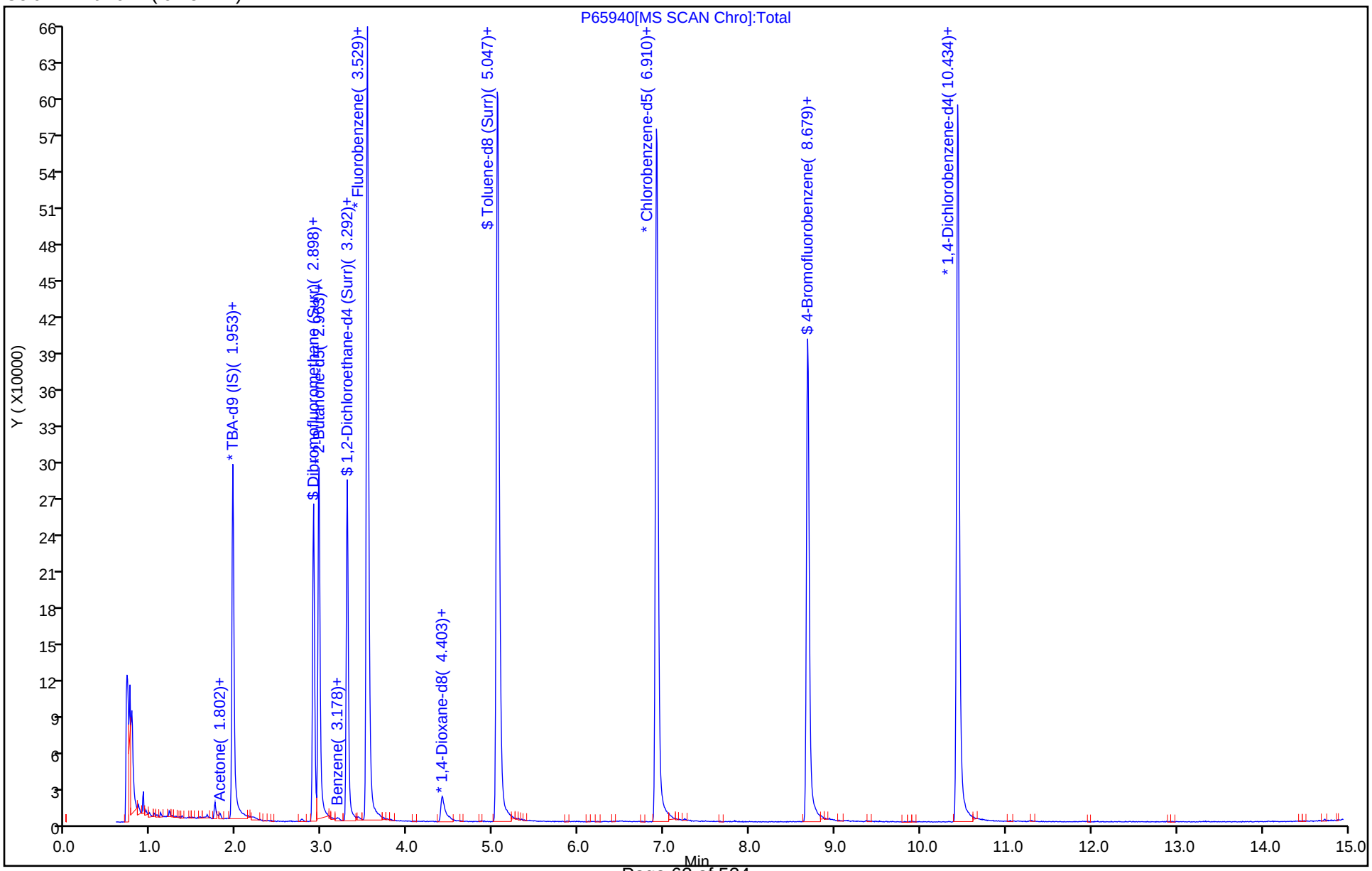
Report Date: 18-Sep-2019 05:41:33 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65940.D

Injection Date:	17-Sep-2019 17:09:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191322-B-2	Lab Sample ID:	460-191322-2	Worklist Smp#:	23
Client ID:	MW-20D 091219				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



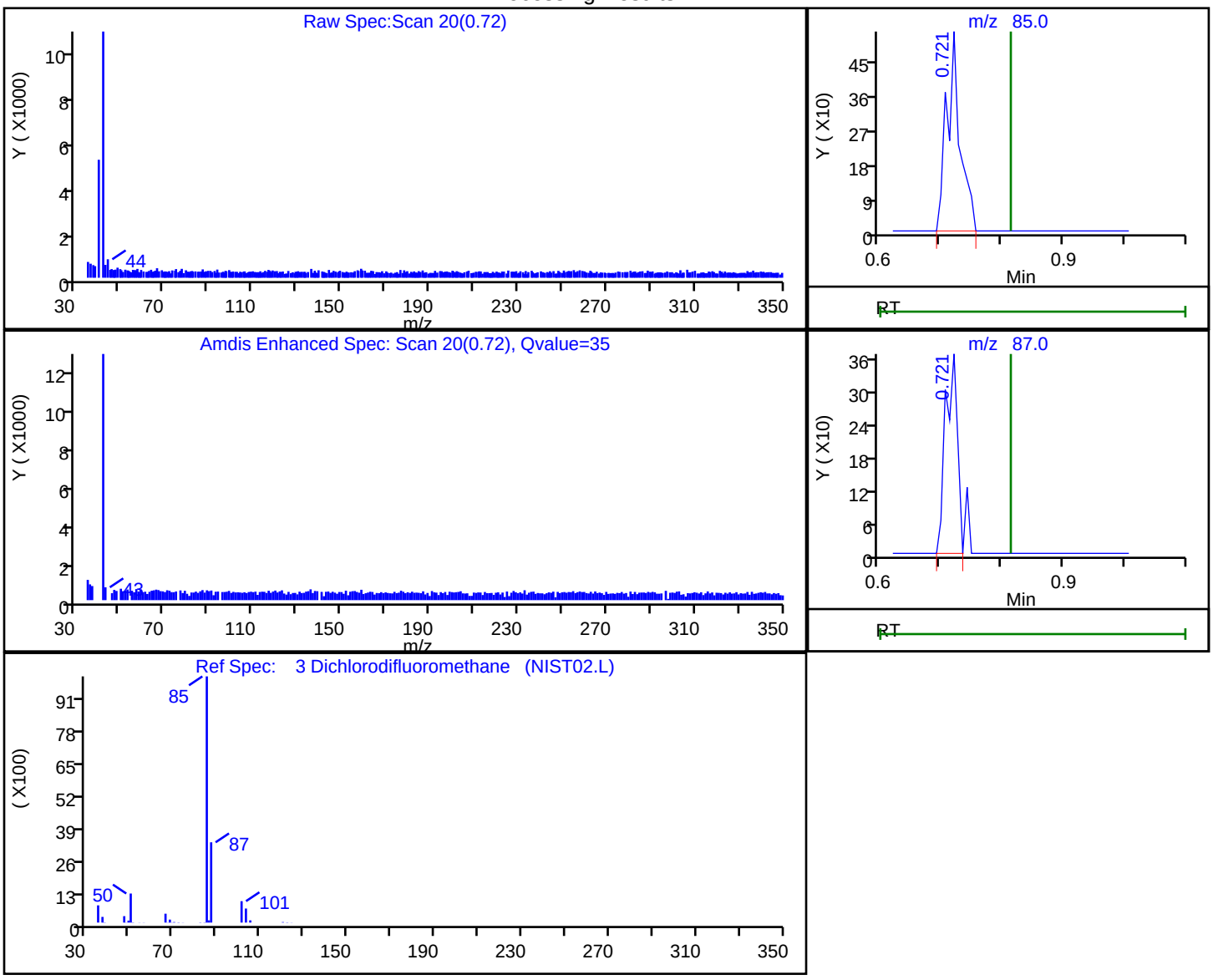
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65940.D		
Injection Date:	17-Sep-2019 17:09:30	Instrument ID:	CVOAMS13
Lims ID:	460-191322-B-2	Lab Sample ID:	460-191322-2
Client ID:	MW-20D 091219		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.72	85.00	793	0.229606
0.72	87.00	492	

Reviewer: sarmientod, 17-Sep-2019 20:17:40

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-191322-3

Matrix: Water Lab File ID: P65927.D

Analysis Method: 8260C Date Collected: 09/12/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 11:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-191322-3

Matrix: Water Lab File ID: P65927.D

Analysis Method: 8260C Date Collected: 09/12/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 11:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	92		77-124
1868-53-7	Dibromofluoromethane (Surr)	100		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65927.D
Lims ID: 460-191322-A-3
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 17-Sep-2019 11:43:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191322-A-3
Misc. Info.: 460-0097690-010
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:29:28 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: desais Date: 17-Sep-2019 11:42:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
27 Methylene Chloride	84	1.781	1.774	0.007	92	713	0.2180	
28 Acetone	43	1.802	1.802	0.000	82	3515	3.99	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	284336	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	147225	49.8	
* 53 2-Butanone-d5	46	2.956	2.956	0.000	0	345031	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	187726	48.9	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	653543	50.0	
* 76 1,4-Dioxane-d8	96	4.403	4.403	0.000	0	25864	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	607688	47.7	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	478391	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	180601	46.1	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	250010	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

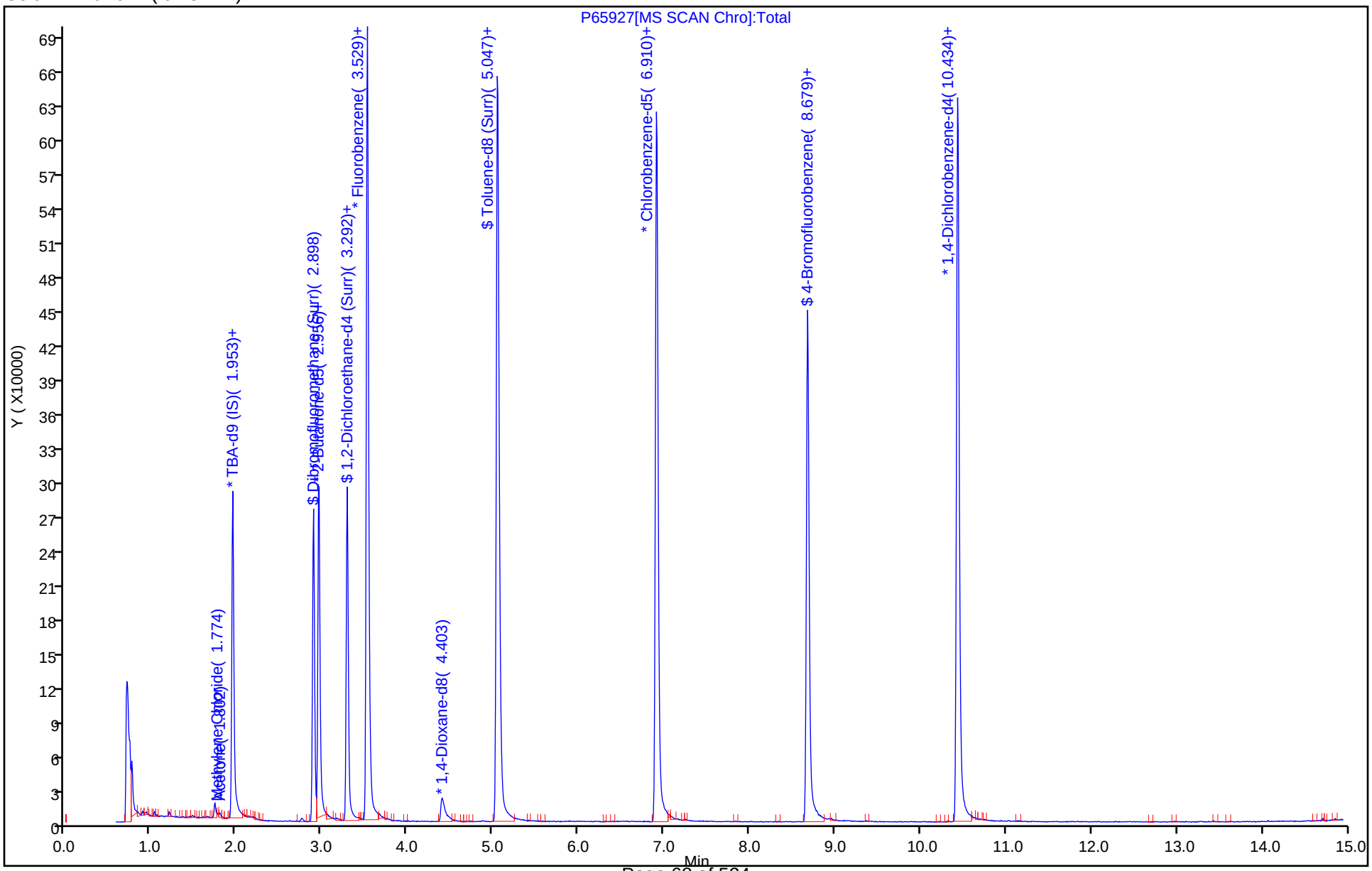
Report Date: 18-Sep-2019 05:34:21 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65927.D

Injection Date:	17-Sep-2019 11:43:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191322-A-3	Lab Sample ID:	460-191322-3	Worklist Smp#:	10
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



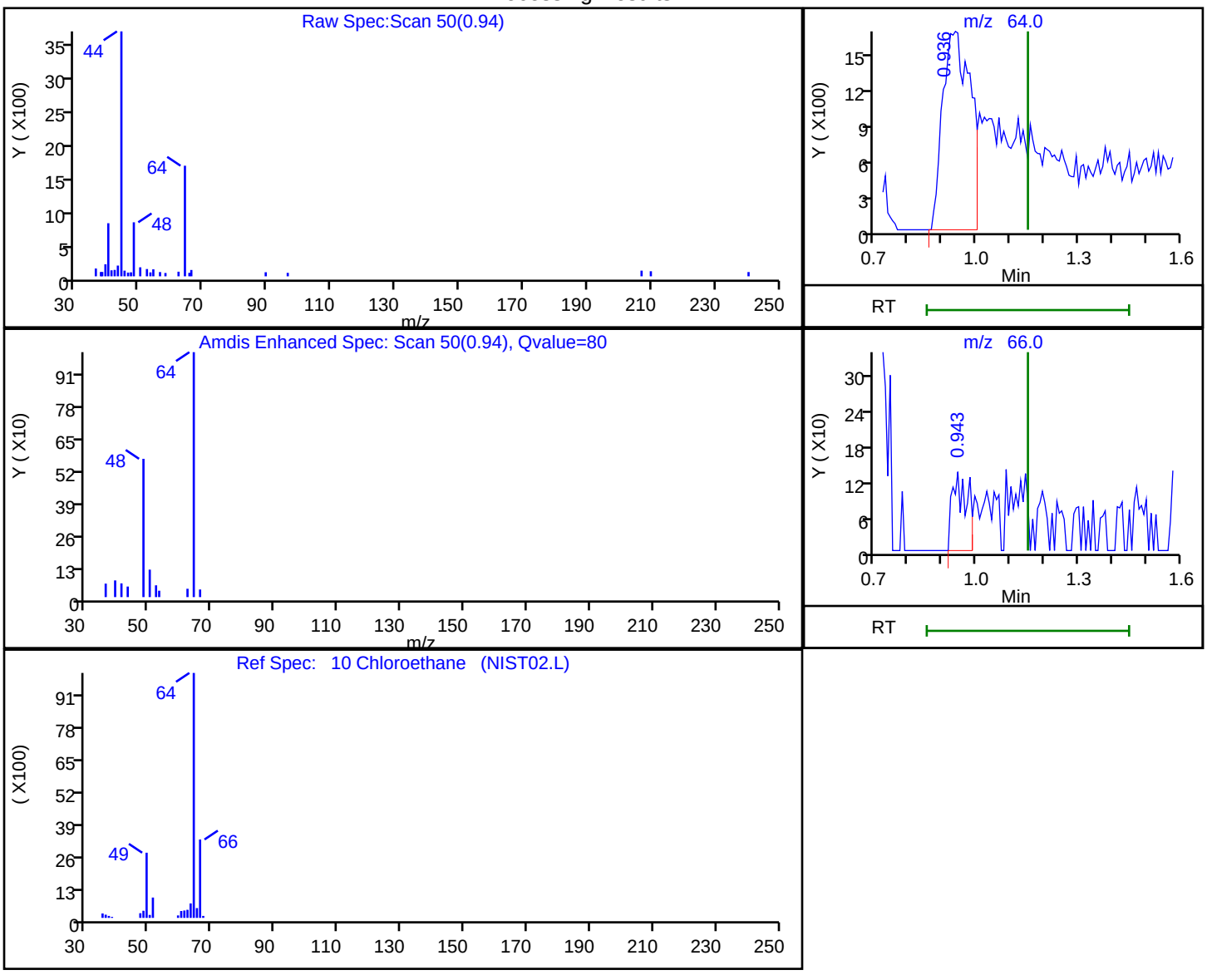
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65927.D		
Injection Date:	17-Sep-2019 11:43:30	Instrument ID:	CVOAMS13
Lims ID:	460-191322-A-3	Lab Sample ID:	460-191322-3
Client ID:	Trip Blank		
Operator ID:		ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
0.94	64.00	9481	4.473878
0.94	66.00	400	

Reviewer: desais, 17-Sep-2019 11:42:23

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-634356/2	P65040.D
Level 2	STD1 460-634356/4	P65042.D
Level 3	STD5 460-634356/14	P65052.D
Level 4	STD20 460-634356/6	P65044.D
Level 5	STD50 460-634356/7	P65045.D
Level 6	STD200 460-634356/8	P65046.D
Level 7	STD500 460-634356/9	P65047.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Monochloropentafluoroethane	+++++ 0.0054	0.0159 0.0072	0.0018	0.0016	0.0009	Ave		0.0055				.04.0	*	20.0			
Chlorotrifluoroethene	+++++ 0.0590	0.0404 +++++	0.0463	0.0439	0.0419	Ave		0.0463				16.0		20.0			
Dichlorodifluoromethane	+++++ 0.2540	0.3349 0.2715	0.2875	0.2834	0.2342	Ave		0.2776			0.1000	12.4		20.0			
1,1-Difluoroethane	+++++ 0.1395	0.1270 0.1387	0.1230	0.1201	0.1154	Ave		0.1273				7.8		20.0			
Chlorodifluoromethane	+++++ 0.0530	0.0595 0.0545	0.0508	0.0509	0.0489	Ave		0.0529				7.1		20.0			
Chloromethane	+++++ 0.2560	0.3021 0.2744	0.2909	0.2775	0.2562	Ave		0.2762			0.1000	6.7		20.0			
Butadiene	0.3827 0.2830	0.2980 0.3011	0.2906	0.2787	0.2772	Ave		0.3016				12.2		20.0			
Vinyl chloride	+++++ 0.3037	0.3335 0.2995	0.3199	0.3157	0.3004	Ave		0.3121			0.1000	4.3		20.0			
Bromomethane	+++++ 0.8914	1.1155 0.7367	1.1457	0.9360	0.7487	Ave		0.9290			0.1000	18.8		20.0			
Chloroethane	+++++ 0.1267	0.2115 0.0611	0.1828	0.1731	0.1036	QuaF		0.1630	-0.000203		0.1000				0.9920		0.9900
Pentane	+++++ 1.7304	2.6695 1.1486	2.3353	1.9374	1.6446	Qua2	1.5131	1.9560	-0.000797						0.9900		0.9900
Trichlorofluoromethane	+++++ 0.2861	0.3688 0.2380	0.3598	0.3428	0.2822	Ave		0.3129			0.1000	16.6		20.0			
Dichlorofluoromethane	+++++ 0.4126	0.5015 0.3617	0.4667	0.4504	0.4132	Ave		0.4343				11.3		20.0			
2-Methyl-1,3-butadiene	+++++ 0.3105	0.2981 0.2793	0.3124	0.3020	0.2965	Ave		0.2998				4.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl ether	+++++ 0.2026	0.1962 0.1842	0.2116	0.1926	0.1925	Ave		0.1966				4.8		20.0			
Ethanol	+++++ 0.0729	0.0861 0.0712	0.0714	0.0665	0.0688	Ave		0.0728				9.4		20.0			
1,1-Dichloroethene	+++++ 0.1724	0.1852 0.1667	0.1921	0.1801	0.1740	Ave		0.1784			0.1000	5.2		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.3168	0.3563 0.3032	0.3395	0.3368	0.3274	Ave		0.3300				5.6		20.0			
Carbon disulfide	+++++ 0.7173	0.7025 0.6770	0.7128	0.6371	0.6261	Ave		0.6788			0.1000	5.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1691	0.1895 0.1626	0.1919	0.1784	0.1736	Ave		0.1775			0.1000	6.5		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3065	0.3103 0.2876	0.3109	0.3221	0.3217	Ave		0.3099				4.1		20.0			
Iodomethane	+++++ 0.2558	0.0275 0.2318	0.0401	0.1209	0.1763	QuaF		0.2554	-0.000046						0.9980		0.9900
Cyclopentene	+++++ 0.5558	0.5600 0.5488	0.5758	0.5345	0.5316	Ave		0.5511				3.0		20.0			
Acrolein	+++++ 0.9897	1.1036 1.0216	0.9970	1.0640	1.0177	Ave		1.0323				4.2		20.0			
Allyl chloride	+++++ 0.1347	0.1264 0.1282	0.1274	0.1227	0.1239	Ave		0.1272				3.3		20.0			
Isopropyl alcohol	+++++ 0.7884	1.0745 0.7749	0.7585	0.7157	0.7046	Ave		0.8028				17.1		20.0			
Methylene Chloride	+++++ 0.2363	0.3225 0.2307	0.2540	0.2335	0.2241	Ave		0.2502			0.1000	14.7		20.0			
Acetone	+++++ 0.6338	0.6972 0.6192	0.7054	0.6053	0.5684	Ave		0.6382			0.0500	8.4		20.0			
trans-1,2-Dichloroethene	+++++ 0.2090	0.2030 0.2024	0.2314	0.2111	0.1986	Ave		0.2092			0.1000	5.6		20.0			
Methyl acetate	+++++ 9.8461	10.453 8.8475	10.534	10.293	10.094	Ave		10.011			0.1000	6.2		20.0			
Hexane	+++++ 0.0356	0.0403 0.0379	0.0409	0.0352	0.0337	Ave		0.0372				7.8		20.0			
Methyl tert-butyl ether	+++++ 0.6802	0.6081 0.6609	0.6691	0.6228	0.6122	Ave		0.6422			0.1000	4.9		20.0			
2-Methyl-2-propanol	+++++ 1.0995	1.3647 1.1036	1.0995	1.0116	1.0141	Ave		1.1155				11.6		20.0			
Acetonitrile	+++++ 1.6737	1.5274 1.5041	1.7115	1.5963	1.5425	Ave		1.5926				5.3		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropyl ether	+++++ 0.9754	0.8615 0.9873	0.9208	0.8544	0.8535	Ave		0.9088				6.8		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2038	0.1920 0.1850	0.2017	0.1869	0.1833	Ave		0.1921				4.5		20.0			
1,1-Dichloroethane	+++++ 0.4496	0.4704 0.4289	0.4685	0.4403	0.4261	Ave		0.4473			0.2000	4.3		20.0			
Acrylonitrile	0.0989 0.0960	0.0830 0.0884	0.0916	0.0834	0.0831	Ave		0.0892				7.3		20.0			
Tert-butyl ethyl ether	+++++ 0.8884	0.7570 0.8740	0.8417	0.7730	0.7832	Ave		0.8195				6.8		20.0			
Vinyl acetate	+++++ 0.5806	0.4206 0.5793	0.4052	0.4521	0.4641	Ave		0.4837				16.0		20.0			
cis-1,2-Dichloroethene	+++++ 0.2537	0.2731 0.2427	0.2689	0.2487	0.2401	Ave		0.2545			0.1000	5.4		20.0			
2,2-Dichloropropane	+++++ 0.3510	0.3302 0.3526	0.3442	0.3144	0.3216	Ave		0.3357				4.8		20.0			
Cyclohexane	+++++ 0.3718	0.3399 0.4037	0.3756	0.3347	0.3398	Ave		0.3609			0.1000	7.6		20.0			
Chlorobromomethane	+++++ 0.1224	0.1256 0.1122	0.1326	0.1251	0.1160	Ave		0.1223				6.0		20.0			
Chloroform	+++++ 0.4433	0.4022 0.4305	0.4569	0.4354	0.4150	Ave		0.4306			0.2000	4.6		20.0			
Carbon tetrachloride	+++++ 0.3035	0.3029 0.3026	0.2793	0.2660	0.2637	Ave		0.2863			0.1000	6.6		20.0			
Ethyl acetate	+++++ 0.2773	0.2721 0.2572	0.2849	0.2607	0.2458	Ave		0.2663				5.4		20.0			
Methyl acrylate	+++++ 0.2322	0.1863 0.2340	0.2003	0.1858	0.1954	Ave		0.2057				10.7		20.0			
Tetrahydrofuran	+++++ 0.9708	0.7597 0.9388	0.9439	0.8973	0.8976	Ave		0.9014				8.3		20.0			
1,1,1-Trichloroethane	+++++ 0.3706	0.3419 0.3658	0.3496	0.3413	0.3344	Ave		0.3506			0.1000	4.2		20.0			
2-Butanone (MEK)	+++++ 0.2856	0.3223 0.2726	0.3022	0.2805	0.2591	Ave		0.2871			0.0500	7.8		20.0			
1,1-Dichloropropene	+++++ 0.3593	0.3874 0.3590	0.3750	0.3355	0.3226	Ave		0.3565				6.8		20.0			
2,2,4-Trimethylpentane	+++++ 0.4167	0.3772 0.4543	0.4625	0.3899	0.3762	Ave		0.4128				9.3		20.0			
n-Heptane	+++++ 0.1106	0.0955 0.1244	0.1141	0.0979	0.1050	Ave		0.1079				10.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzene	+++++ 1.4723	1.3287 1.4261	1.4737	1.3743	1.3728	Ave		1.4080			0.5000	4.2		20.0			
Propionitrile	+++++ 1.9096	1.7974 1.7455	1.8525	1.7903	1.7619	Ave		1.8095				3.4		20.0			
Methacrylonitrile	+++++ 0.0971	0.0807 0.0837	0.0989	0.0922	0.0924	Ave		0.0908				8.0		20.0			
Tert-amyl methyl ether	+++++ 0.7338	0.6454 0.7203	0.6938	0.6531	0.6508	Ave		0.6829				5.6		20.0			
1,2-Dichloroethane	+++++ 0.3530	0.3932 0.3451	0.3652	0.3385	0.3368	Ave		0.3553			0.1000	6.0		20.0			
Isobutyl alcohol	+++++ 0.5404	0.4067 0.5656	0.4167	0.4198	0.4378	Ave		0.4645				15.0		20.0			
Isopropyl acetate	+++++ 0.5447	0.4127 0.5551	0.4332	0.4425	0.4524	Ave		0.4735				12.8		20.0			
Methylcyclohexane	+++++ 0.2549	0.2660 0.2739	0.2857	0.2510	0.2457	Ave		0.2629			0.1000	5.8		20.0			
Trichloroethene	+++++ 0.2489	0.2332 0.2267	0.2652	0.2427	0.2347	Ave		0.2419			0.2000	5.7		20.0			
Dibromomethane	+++++ 0.1498	0.1292 0.1465	0.1520	0.1430	0.1378	Ave		0.1431				5.9		20.0			
n-Butanol	+++++ 0.3422	0.1758 0.3473	0.2075	0.2500	0.2650	Qua2	-2.111	0.2539	0.0000089						0.9920		0.9900
1,2-Dichloropropane	+++++ 0.2860	0.2475 0.2923	0.2702	0.2549	0.2583	Ave		0.2682			0.1000	6.7		20.0			
Ethyl acrylate	+++++ 0.3419	0.1563 0.3425	0.2627	0.2618	0.2751	Qua2	-0.125	0.2810	0.0001460						0.9960		0.9900
Dichlorobromomethane	+++++ 0.3473	0.3003 0.3414	0.3056	0.2950	0.3048	Ave		0.3157			0.2000	7.2		20.0			
Methyl methacrylate	+++++ 0.0644	0.0491 0.0614	0.0584	0.0541	0.0563	Ave		0.0573				9.5		20.0			
1,4-Dioxane	+++++ 1.2294	1.1383 1.1859	1.3664	1.2142	1.1112	Ave		1.2076				7.4		20.0			
n-Propyl acetate	+++++ 0.3821	0.2586 0.3883	0.2909	0.2988	0.3151	Ave		0.3223				16.2		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1716	0.1063 0.1716	0.1374	0.1342	0.1462	Ave		0.1445				17.2		20.0			
cis-1,3-Dichloropropene	+++++ 0.6038	0.3658 0.6216	0.4919	0.4786	0.5134	Ave		0.5125			0.2000	18.2		20.0			
Toluene	+++++ 1.5301	1.5262 1.4564	1.6240	1.4759	1.4364	Ave		1.5082			0.4000	4.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Epichlorohydrin	0.1772 0.2298	0.1630 0.2189	0.1934	0.1958	0.2026	Ave		0.1972				11.6		20.0			
2-Nitropropane	+++++ 0.0622	0.0445 0.0661	0.0434	0.0453	0.0485	Ave		0.0516				19.2		20.0			
Tetrachloroethene	+++++ 0.3296	0.3436 0.3170	0.3395	0.3137	0.3071	Ave		0.3251			0.2000	4.5		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.4390	1.9147 2.2864	2.2287	2.2417	2.2418	Ave		2.2254			0.0500	7.7		20.0			
trans-1,3-Dichloropropene	+++++ 0.5547	0.3508 0.5498	0.4544	0.4363	0.4642	Ave		0.4684			0.1000	16.3		20.0			
1,1,2-Trichloroethane	+++++ 0.2620	0.2434 0.2630	0.2531	0.2357	0.2347	Ave		0.2487			0.1000	5.1		20.0			
Ethyl methacrylate	+++++ 0.3463	0.2117 0.3491	0.2762	0.2793	0.2990	Ave		0.2936				17.4		20.0			
Chlorodibromomethane	+++++ 0.3355	0.2525 0.3412	0.2855	0.2731	0.2806	Ave		0.2947			0.1000	12.1		20.0			
1,3-Dichloropropane	+++++ 0.5630	0.4442 0.5634	0.5067	0.4914	0.4940	Ave		0.5104				9.0		20.0			
Ethylene Dibromide	+++++ 0.3098	0.2270 0.3125	0.2749	0.2657	0.2739	Ave		0.2773			0.1000	11.4		20.0			
n-Butyl acetate	+++++ 0.5747	0.2783 0.5932	0.3604	0.3843	0.4405	Qua2	-0.145	0.4156	0.0004154						0.9920		0.9900
2-Hexanone	+++++ 1.7275	1.0801 1.6660	1.5085	1.5652	1.5724	Ave		1.5199			0.0500	15.1		20.0			
Chlorobenzene	+++++ 0.9133	0.9622 0.8777	0.9907	0.8906	0.8680	Ave		0.9171			0.5000	5.4		20.0			
Ethylbenzene	+++++ 0.4891	0.4630 0.4606	0.4952	0.4788	0.4653	Ave		0.4754			0.1000	3.1		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3177	0.2571 0.3114	0.2955	0.2773	0.2794	Ave		0.2897				7.9		20.0			
m-Xylene & p-Xylene	+++++ 0.6140	0.5871 0.5892	0.6179	0.5833	0.5725	Ave		0.5940			0.1000	3.0		20.0			
o-Xylene	+++++ 0.5857	0.5221 0.5620	0.5793	0.5483	0.5656	Ave		0.5605			0.3000	4.1		20.0			
Bromoform	+++++ 0.2089	0.1270 0.2130	0.1526	0.1536	0.1657	Ave		0.1701			0.1000	20.0		20.0			
Styrene	+++++ 1.0266	0.6116 0.9845	0.8511	0.9222	0.9334	Lin2	-0.364	0.9657			0.3000				0.9980		0.9900
n-Butyl acrylate	+++++ 0.2682	0.1213 0.2732	0.1737	0.1848	0.2104	Qua2	-0.082	0.2005	0.0001718						0.9930		0.9900

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropylbenzene	+++++ 1.3853	1.1409 1.3331	1.4363	1.3642	1.3299	Ave		1.3316			0.1000	7.6		20.0			
Amyl acetate (mixed isomers)	+++++ 1.3027	0.5679 1.3654	0.7997	0.8752	0.9864	Qua2	-0.385	0.9368	0.0009899						0.9930		0.9900
Bromobenzene	+++++ 0.7320	0.6761 0.7092	0.7301	0.6746	0.6811	Ave		0.7005				3.8		20.0			
N-Propylbenzene	+++++ 3.0176	2.6176 2.9172	3.0334	2.8906	2.8646	Ave		2.8902				5.2		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6934	0.6411 0.6819	0.6606	0.6196	0.6262	Ave		0.6538			0.3000	4.6		20.0			
2-Chlorotoluene	+++++ 2.3022	2.0350 2.1814	2.3288	2.2062	2.1561	Ave		2.2016				4.8		20.0			
4-Ethyltoluene	+++++ 2.5516	2.1661 2.3389	2.5544	2.4289	2.3989	Ave		2.4065				6.0		20.0			
1,2,3-Trichloropropane	+++++ 0.2003	0.1971 0.1998	0.1973	0.1819	0.1802	Ave		0.1927				4.8		20.0			
1,3,5-Trimethylbenzene	+++++ 2.1457	1.8997 2.0664	2.1278	2.0284	2.0049	Ave		2.0455				4.4		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2277	0.1393 0.2512	0.1346	0.1463	0.1685	Qua2	-0.018	0.1532	0.0002203						0.9910		0.9900
4-Chlorotoluene	+++++ 2.2049	1.8336 2.1525	2.2046	2.0632	2.0407	Ave		2.0832				6.7		20.0			
tert-Butylbenzene	+++++ 1.5924	1.3665 1.5289	1.6226	1.5051	1.4981	Ave		1.5190				5.9		20.0			
1,2,4-Trimethylbenzene	+++++ 2.1833	1.8041 1.9983	2.1871	2.0968	2.0835	Ave		2.0588				7.0		20.0			
Butyl Methacrylate	+++++ 0.9001	0.3262 0.8562	0.5137	0.6201	0.7179	QuaF		0.8938	-0.000073						0.9990		0.9900
sec-Butylbenzene	+++++ 2.1840	1.8642 2.1129	2.3050	2.1493	2.1029	Ave		2.1197				6.8		20.0			
1,3-Dichlorobenzene	+++++ 1.2573	1.1839 1.1749	1.3287	1.2321	1.1920	Ave		1.2282			0.6000	4.8		20.0			
4-Isopropyltoluene	+++++ 1.8745	1.4993 1.7580	1.8664	1.7811	1.7867	Ave		1.7610				7.8		20.0			
1,4-Dichlorobenzene	+++++ 1.3270	1.4117 1.2624	1.4352	1.2892	1.2429	Ave		1.3280			0.5000	6.0		20.0			
1,2,3-Trimethylbenzene	+++++ 2.3845	1.9625 2.2455	2.3285	2.2229	2.1898	Ave		2.2223				6.6		20.0			
Indan	+++++ 2.3477	2.0352 2.1682	2.3593	2.2199	2.1760	Ave		2.2177				5.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl chloride	+++++ 0.2201	0.0691 0.2371	0.1052	0.1129	0.1417	QuaF		0.1968	0.0000813						0.9990		0.9900
p-Diethylbenzene	+++++ 1.0008	0.7990 0.9286	0.9369	0.9083	0.9193	Ave		0.9155				7.2		20.0			
n-Butylbenzene	+++++ 1.6702	1.2822 1.6056	1.6372	1.5747	1.5707	Ave		1.5568				9.0		20.0			
1,2-Dichlorobenzene	+++++ 1.2688	1.1552 1.1975	1.3303	1.2276	1.2041	Ave		1.2306			0.4000	5.0		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.7639	1.2557 1.6214	1.6072	1.5906	1.6474	Ave		1.5810				10.8		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1229	0.0650 0.1290	0.0900	0.0935	0.0993	Qua2	-0.034	0.0980	0.0000701		0.0500				0.9970		0.9900
1,3,5-Trichlorobenzene	+++++ 0.7440	0.7458 0.6807	0.7994	0.6967	0.6960	Ave		0.7271				6.1		20.0			
1,2,4-Trichlorobenzene	+++++ 0.7097	0.5944 0.6458	0.7038	0.6463	0.6657	Ave		0.6609			0.2000	6.5		20.0			
Hexachlorobutadiene	+++++ 0.2674	0.2576 0.2534	0.2928	0.2528	0.2552	Ave		0.2632				5.9		20.0			
Naphthalene	+++++ 1.6940	1.2698 1.6432	1.5592	1.3515	1.4768	Ave		1.4991				11.1		20.0			
1,2,3-Trichlorobenzene	+++++ 0.6447	0.5669 0.6010	0.7099	0.6056	0.6008	Ave		0.6215				8.0		20.0			
Dibromofluoromethane (Surr)	0.2387 0.2187	0.2286 0.2097	0.2359	0.2279	0.2238	Ave		0.2262				4.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2992 0.2940	0.2919 0.2979	0.2915	0.2890	0.2938	Ave		0.2939				1.2		20.0			
Toluene-d8 (Surr)	1.3231 1.3524	1.3088 1.3662	1.3295	1.2998	1.3357	Ave		1.3308				1.7		20.0			
4-Bromofluorobenzene	0.4057 0.4150	0.4015 0.4114	0.4108	0.4141	0.4107	Ave		0.4099				1.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-634356/2	P65040.D
Level 2	STD1 460-634356/4	P65042.D
Level 3	STD5 460-634356/14	P65052.D
Level 4	STD20 460-634356/6	P65044.D
Level 5	STD50 460-634356/7	P65045.D
Level 6	STD200 460-634356/8	P65046.D
Level 7	STD500 460-634356/9	P65047.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Monochloropentafluoroethane	FB	Ave	+++++ 19947	275 67259	168	557	801	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorotrifluoroethene	FB	Ave	+++++ 217417	697 +++++	4359	15345	37592	+++++ 200	1.00 +++++	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 936288	5779 2524177	27061	99004	209893	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Difluoroethane	FB	Ave	+++++ 514052	2192 1289402	11576	41947	103431	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	+++++ 195379	1026 506549	4782	17764	43861	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 943329	5212 2551405	27375	96934	229616	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	1618 1043054	5142 2799586	27348	97358	248458	0.250 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 1119191	5754 2785072	30113	110301	269245	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	BUT	Ave	+++++ 340873	1812 755810	10471	31551	66163	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	QuaF	+++++ 467060	3650 568107	17207	60469	92813	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd9	Qua2	+++++ 228625	1588 405623	7705	23277	51256	+++++ 400	2.00 1000	10.0	40.0	100
Trichlorofluoromethane	FB	Ave	+++++ 1054235	6364 2213042	33865	119738	252904	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 1520458	8653 3363070	43923	157340	370290	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 1144152	5144 2597131	29406	105487	265738	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl ether	FB	Ave	+++++ 746568	3386 1712804	19920	67273	172492	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethanol	TBAd9	Ave	+++++ 192540	1024 502894	4712	15986	42853	+++++ 8000	40.0 20000	200	800	2000
1,1-Dichloroethene	FB	Ave	+++++ 635213	3196 1550176	18081	62909	155959	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 1167592	6148 2819064	31950	117642	293468	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon disulfide	FB	Ave	+++++ 2643600	12122 6294666	67083	222576	561153	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 623339	3269 1511771	18059	62321	155622	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 1129446	5355 2674556	29260	112516	288337	+++++ 200	1.00 500	5.00	20.0	50.0
Iodomethane	FB	QuaF	+++++ 942595	474 2155178	3778	42218	157974	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclopentene	FB	Ave	+++++ 2048469	9663 5102314	54189	186727	476468	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	+++++ 65379	1313 144316	6579	12784	31716	+++++ 200	4.00 400	20.0	40.0	100
Allyl chloride	FB	Ave	+++++ 496420	2181 1192060	11992	42864	111048	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 520795	3196 1368292	12513	42993	109798	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 870726	5564 2145229	23910	81586	200868	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 1211964	5663 3176456	32235	102007	251129	+++++ 1000	5.00 2500	25.0	100	250
trans-1,2-Dichloroethene	FB	Ave	+++++ 770077	3502 1881584	21781	73749	178037	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	TBAd9	Ave	+++++ 1300859	6218 3124518	34757	123664	314589	+++++ 400	2.00 1000	10.0	40.0	100
Hexane	FB	Ave	+++++ 131275	695 352004	3845	12292	30161	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl tert-butyl ether	FB	Ave	+++++ 2506813	10492 6145463	62976	217559	548721	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 726355	4059 1948707	18139	60768	158027	+++++ 2000	10.0 5000	50.0	200	500
Acetonitrile	TBAd9	Ave	+++++ 1105653	4543 2655802	28234	95891	240370	+++++ 2000	10.0 5000	50.0	200	500
Isopropyl ether	FB	Ave	+++++ 3594905	14865 9179896	86664	298475	764996	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 750969	3313 1720504	18983	65298	164326	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethane	FB	Ave	+++++ 1657050	8117 3988116	44096	153798	381905	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	3345 3537586	14321 8216415	86191	291391	744818	2.00 2000	10.0 5000	50.0	200	500
Tert-butyl ethyl ether	FB	Ave	+++++ 3274177	13062 8126799	79215	270029	701962	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 4279692	14516 10772278	76270	315905	831960	+++++ 400	2.00 1000	10.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	+++++ 935025	4712 2256682	25307	86891	215229	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 1293666	5697 3278913	32392	109844	288266	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 1370267	5865 3753367	35354	116934	304556	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobromomethane	FB	Ave	+++++ 451133	2168 1043000	12478	43694	103993	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroform	FB	Ave	+++++ 1633731	6940 4002603	43005	152114	371983	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 1118524	5226 2813970	26284	92926	236323	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	Ave	+++++ 212112	884 527807	5207	17576	43434	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 855628	3215 2175922	18853	64910	175156	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++ 742531	2468 1926484	17254	60492	158642	+++++ 400	2.00 1000	10.0	40.0	100
1,1,1-Trichloroethane	FB	Ave	+++++ 1365857	5899 3401471	32899	119243	299682	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	+++++ 546147	2618 1398671	13808	47268	114492	+++++ 1000	5.00 2500	25.0	100	250
1,1-Dichloropropene	FB	Ave	+++++ 1324029	6685 3337876	35297	117200	289139	+++++ 200	1.00 500	5.00	20.0	50.0
2,2,4-Trimethylpentane	FB	Ave	+++++ 1535822	6509 4224329	43528	136211	337131	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 407672	1647 1156779	10736	34215	94079	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZ d5	Ave	+++++ 3906295	16871 9382733	101337	356554	897361	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd 9	Ave	+++++ 1261492	5346 3082145	30560	107546	274547	+++++ 2000	10.0 5000	50.0	200	500
Methacrylonitrile	FB	Ave	+++++ 3580114	13920 7785037	93089	322091	828090	+++++ 2000	10.0 5000	50.0	200	500

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	FB	Ave	+++++ 2704406	11137 6697338	65296	228151	583246	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 1300976	6784 3208658	34372	118262	301837	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	+++++ 892425	3024 2496743	17185	63053	170568	+++++ 5000	25.0 12500	125	500	1250
Isopropyl acetate	FB	Ave	+++++ 2007634	7121 5161273	40776	154583	405504	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 939477	4589 2546958	26885	87674	220227	+++++ 200	1.00 500	5.00	20.0	50.0
Trichloroethene	FB	Ave	+++++ 917242	4023 2107503	24956	84767	210310	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	+++++ 551971	2230 1361925	14307	49966	123504	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Qua2	+++++ 565136	1307 1533061	8557	37547	103245	+++++ 5000	25.0 12500	125	500	1250
1,2-Dichloropropane	FB	Ave	+++++ 1054068	4270 2717433	25434	89029	231482	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Qua2	+++++ 1260005	2697 3184297	24726	91456	246540	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 1280085	5181 3174532	28759	103059	273150	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 474413	1693 1141754	10987	37772	100893	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 188593	1943 473452	5263	16472	40871	+++++ 4000	50.0 10000	100	400	1000
n-Propyl acetate	FB	Ave	+++++ 1408068	4462 3610066	27383	104378	282388	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 633925	1838 1599289	12961	47007	131317	+++++ 200	1.00 501	5.01	20.0	50.1
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1602148	4645 4089782	33829	124170	335558	+++++ 200	1.00 500	5.00	20.0	50.0
Toluene	CBNZ d5	Ave	+++++ 4059857	19378 9582437	111673	382906	938930	+++++ 200	1.00 500	5.00	20.0	50.0
Epichlorohydrin	BUT	Ave	1421 1757457	5294 4491835	35346	132016	358148	5.00 4000	20.0 10000	100	400	1000
2-Nitropropane	FB	Ave	+++++ 458198	1536 1229529	8163	31621	86863	+++++ 400	2.00 1000	10.0	40.0	100
Tetrachloroethene	CBNZ d5	Ave	+++++ 874598	4363 2085725	23347	81386	200767	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 4663679	15551 11729251	101845	377805	990504	+++++ 1000	5.00 2500	25.0	100	250

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1471752	4454 3617052	31249	113190	303429	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 695193	3090 1730617	17404	61150	153421	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	Ave	+++++ 1276208	3652 3245595	25998	97568	267993	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 890225	3206 2245059	19630	70863	183444	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 1493801	5640 3706760	34841	127489	322921	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 821901	2882 2056132	18902	68939	179038	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acetate	CBNZ d5	Qua2	+++++ 1524938	3533 3902933	24784	99715	287960	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 3303116	8773 8546446	68935	263786	694723	+++++ 1000	5.00 2500	25.0	100	250
Chlorobenzene	CBNZ d5	Ave	+++++ 2423213	12217 5774590	68125	231061	567353	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 1297820	5879 3030689	34055	124223	304152	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 842850	3265 2049005	20317	71935	182648	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1629156	7454 3876614	42489	151320	374209	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1554090	6629 3697448	39837	142252	369739	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 554284	1613 1401500	10491	39852	108297	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Lin2	+++++ 2723757	7766 6477507	58528	239253	610120	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Qua2	+++++ 711714	1540 1797561	11942	47935	137517	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 3675509	14486 8770954	98766	353938	869281	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Qua2	+++++ 1874766	3939 4847208	29901	124686	351920	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 1053427	4690 2517555	27298	96100	243024	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 4342816	18157 10355804	113419	411790	1022062	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 997885	4447 2420672	24701	88265	223436	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Chlorotoluene	DCBd 4	Ave	+++++ 3313248	14116 7743773	87073	314286	769265	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 3672180	15025 8303017	95508	346012	855893	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 288201	1367 709331	7376	25907	64281	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 3088042	13177 7335424	79558	288961	715332	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Qua2	+++++ 327749	966 891753	5034	20836	60132	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 3173119	12719 7641129	82430	293915	728087	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 2291734	9479 5427462	60670	214416	534504	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 3142017	12514 7093601	81774	298704	743384	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	QuaF	+++++ 1295389	2263 3039316	19208	88336	256133	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 3143098	12931 7500499	86182	306180	750288	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1809498	8212 4170708	49680	175528	425307	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 2697695	10400 6240895	69784	253737	637456	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1909741	9792 4481265	53660	183661	443449	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 3431604	13613 7971268	87063	316667	781310	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 3378713	14117 7697003	88215	316239	776386	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	QuaF	+++++ 316730	479 841626	3933	16085	50559	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 1440232	5542 3296313	35032	129400	327980	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 2403720	8894 5699667	61215	224331	560416	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1826015	8013 4251012	49741	174876	429608	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 2538538	8710 5755709	60094	226588	587765	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Qua2	+++++ 176829	451 457839	3364	13321	35440	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 1070728	5173 2416282	29891	99257	248312	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 1021372	4123 2292430	26314	92073	237504	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 384893	1787 899646	10947	36014	91060	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 2437957	8808 5833225	58299	192539	526887	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 927770	3932 2133588	26542	86268	214341	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	201875 201509	197253 195001	221981	199035	200603	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	253016 270900	251805 276994	274383	252373	263321	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	841103 897052	830859 898877	914271	843033	873078	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	257890 275285	254879 270659	282509	268577	268472	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 23-Aug-2019 08:16:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0096522-002
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 09:41:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	0.936	0.936	0.000	96	1618	0.2500	0.3172	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	297075	1000.0	1000.0	
39 Acrylonitrile	53	2.261	2.254	0.007	95	3345	2.00	2.22	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	201875	50.0	52.8	
* 53 2-Butanone-d5	46	2.956	2.963	-0.007	0	400932	250.0	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	253016	50.0	50.9	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	845605	50.0	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	31856	1000.0	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	841103	50.0	49.7	
84 Epichlorohydrin	57	5.147	5.133	0.014	93	1421	5.00	4.49	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	635691	50.0	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	257890	50.0	49.5	
* 123 1,4-Dichlorobenzene-d4	152	10.441	10.434	0.007	97	339330	50.0	50.0	

Reagents:

GASES Li_00329	Amount Added:	2.50	Units: uL	
8260MIX1COMB_00103	Amount Added:	0.00	Units: uL	
ACROLEIN W_00094	Amount Added:	0.00	Units: uL	
524freon_00009	Amount Added:	0.00	Units: uL	
14DIOXINTER_00103	Amount Added:	0.00	Units: uL	
GAS Hi_00320	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00064	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00086	Amount Added:	0.00	Units: uL	
MIX I Hi_00112	Amount Added:	0.00	Units: uL	
Ethanol mix_00031	Amount Added:	0.00	Units: uL	
8FreonHi_00007	Amount Added:	0.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

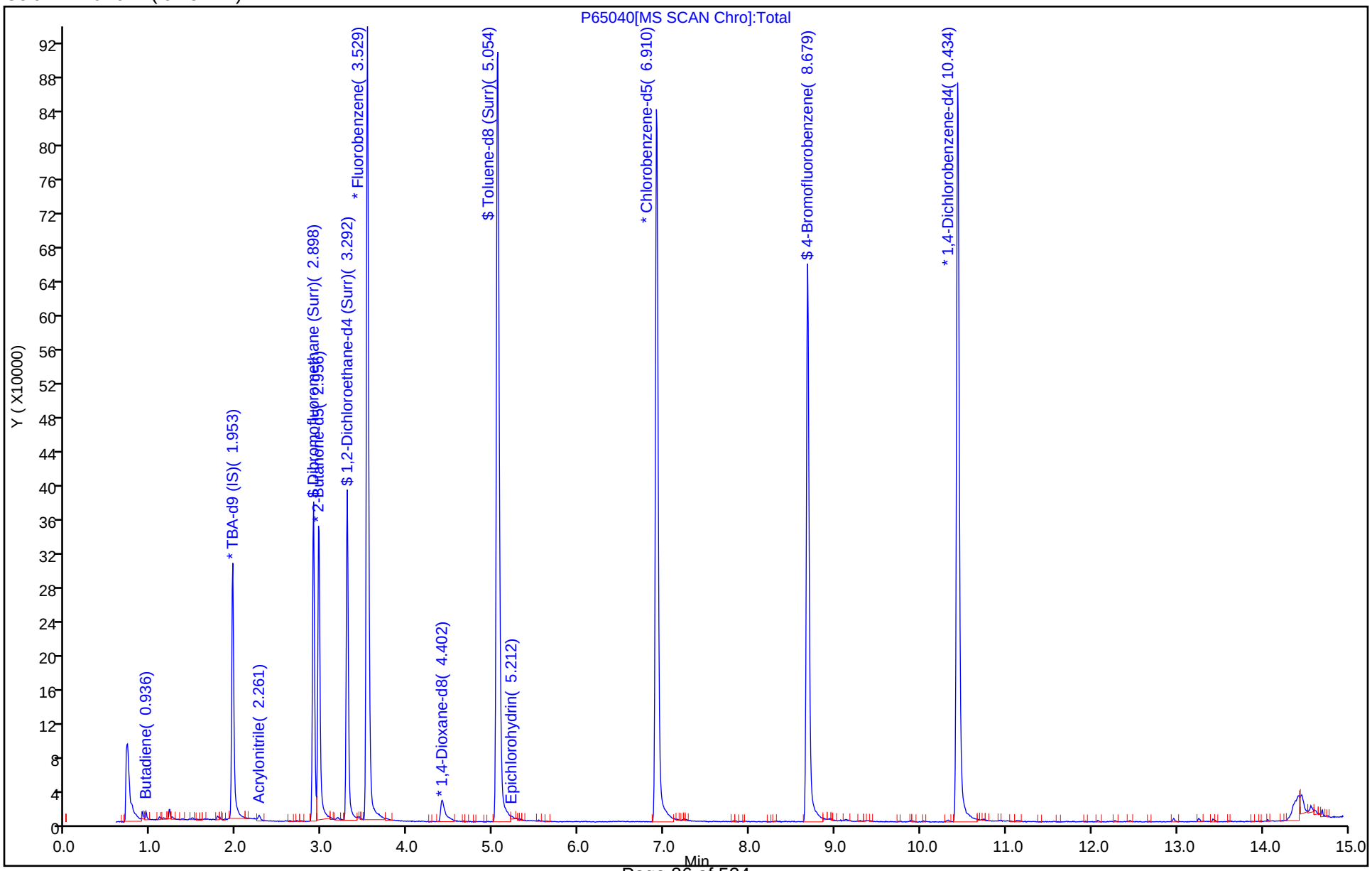
Report Date: 25-Aug-2019 10:35:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D

Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	STD8			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

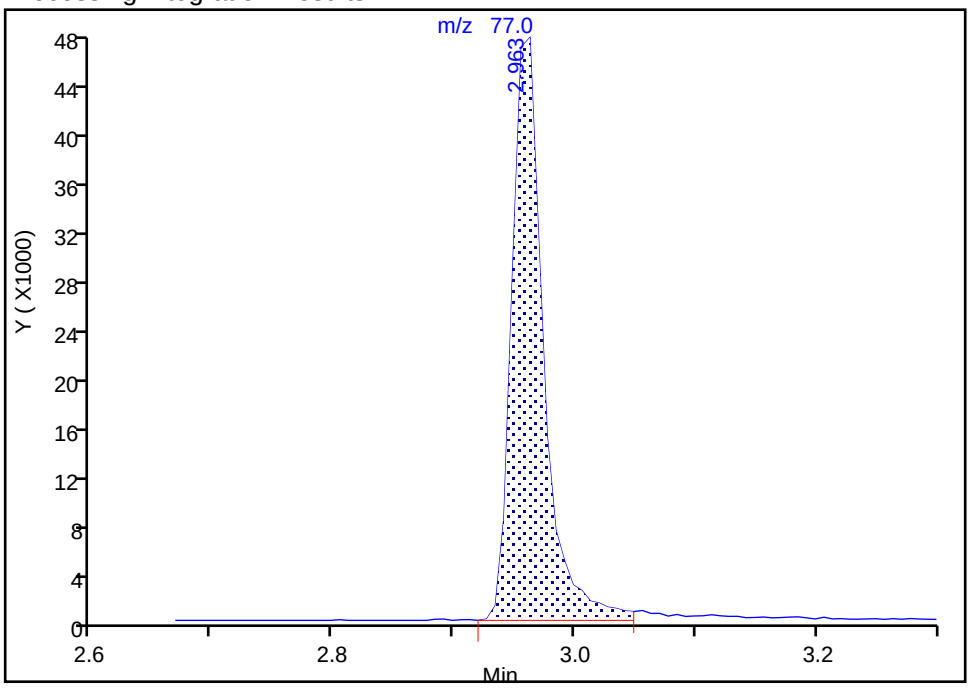
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 53 2-Butanone-d5, CAS: 24313-50-6

Signal: 2

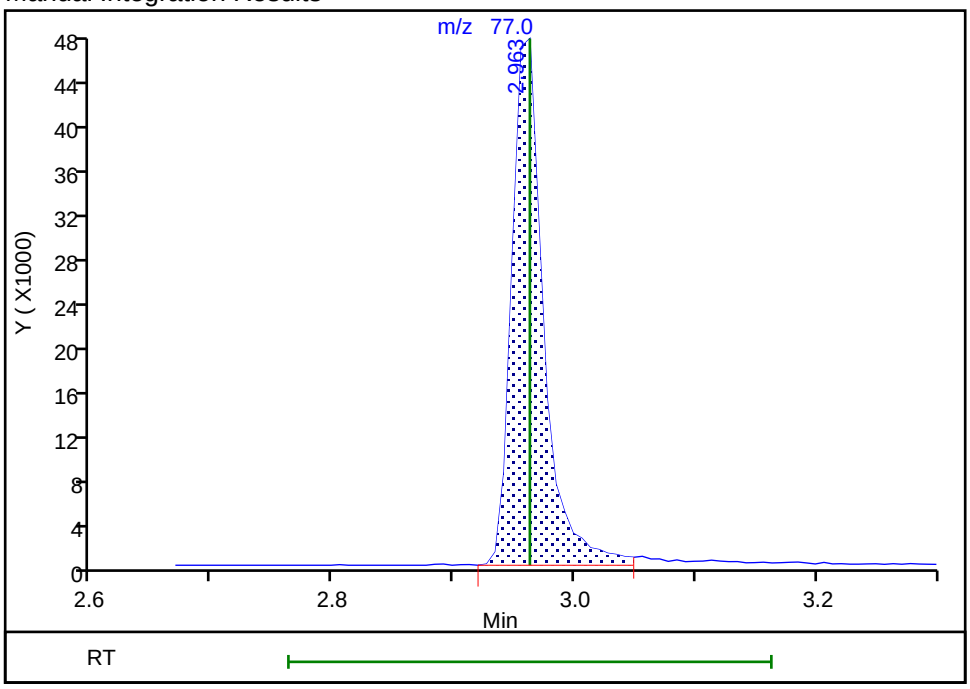
Processing Integration Results

RT: 2.96
Area: 86794
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 2.96
Area: 86794
Amount: 250.0000
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:38:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

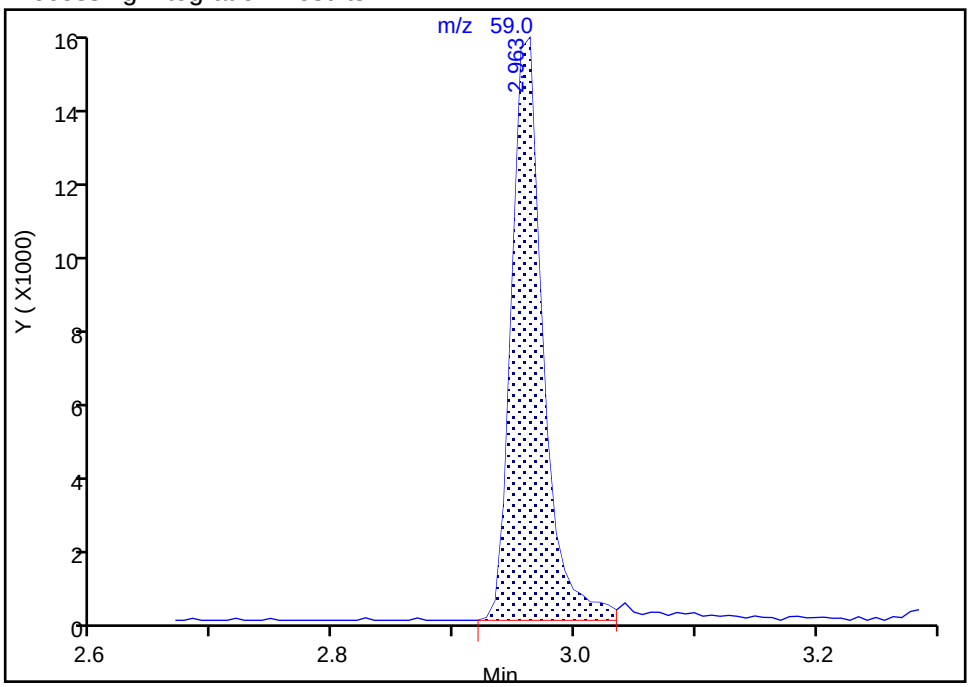
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 53 2-Butanone-d5, CAS: 24313-50-6

Signal: 3

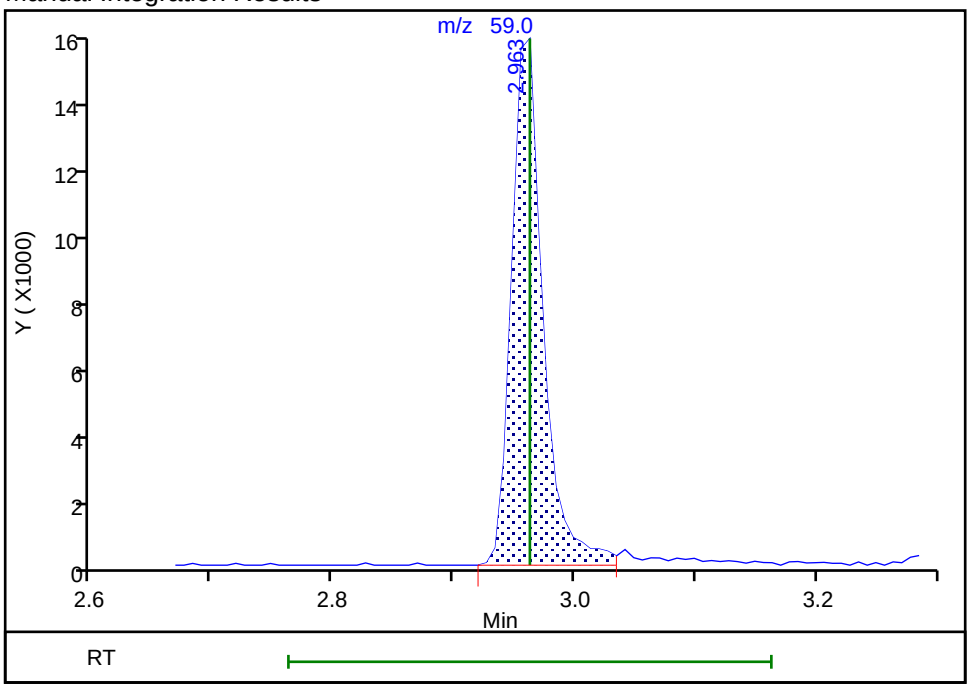
Processing Integration Results

RT: 2.96
Area: 28657
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 2.96
Area: 28657
Amount: 250.0000
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:38:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

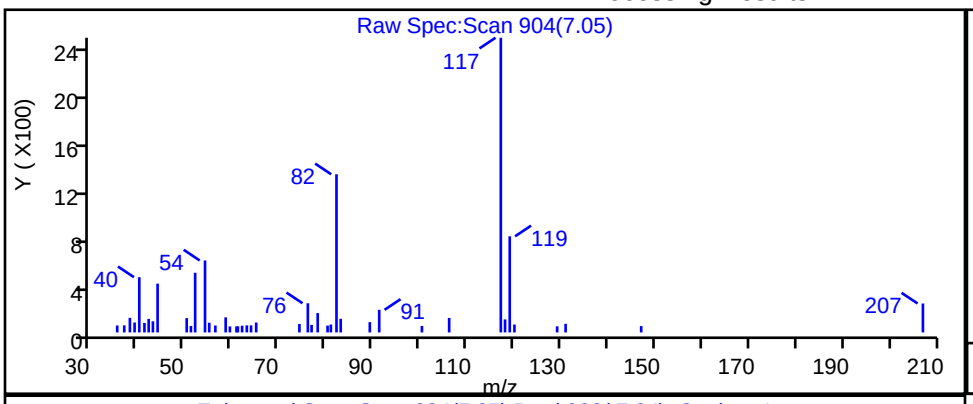
User Disabled Compound Report

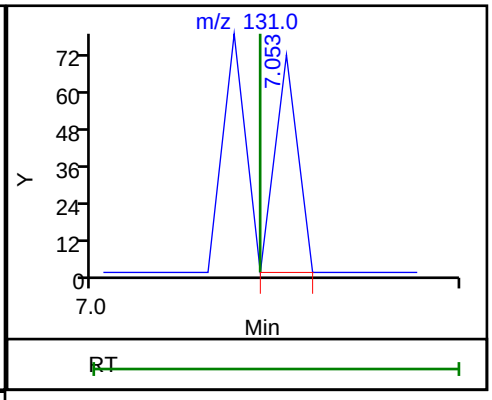
Eurofins TestAmerica, Edison

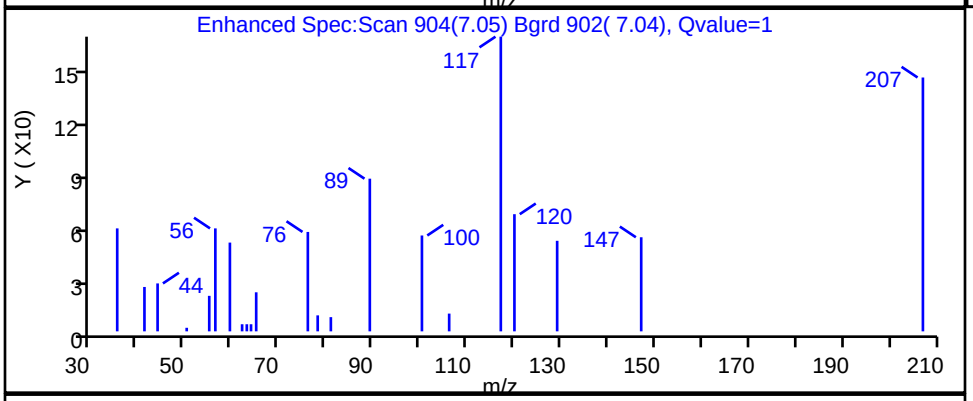
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

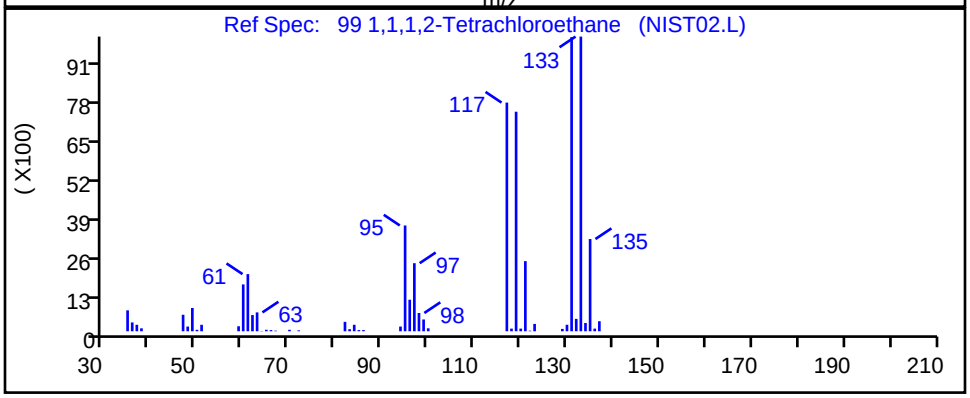
99 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results









RT	Mass	Response	Amount
7.05	131.00	31	0.006922

Reviewer: desais, 23-Aug-2019 09:39:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

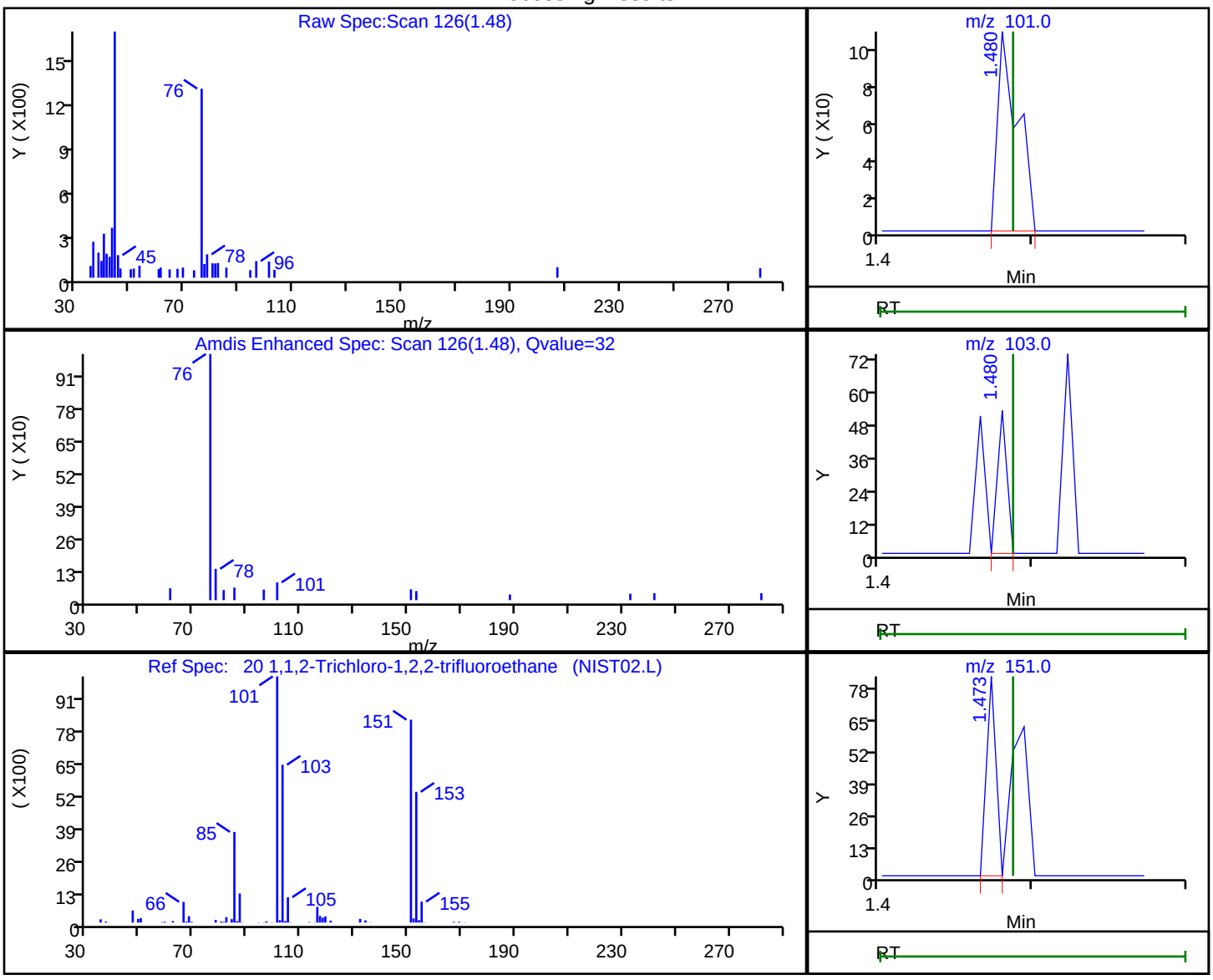
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
1.48	101.00	98	0.020808
1.48	103.00	23	
1.47	151.00	36	
1.47	85.00	159	

Reviewer: desais, 23-Aug-2019 09:37:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

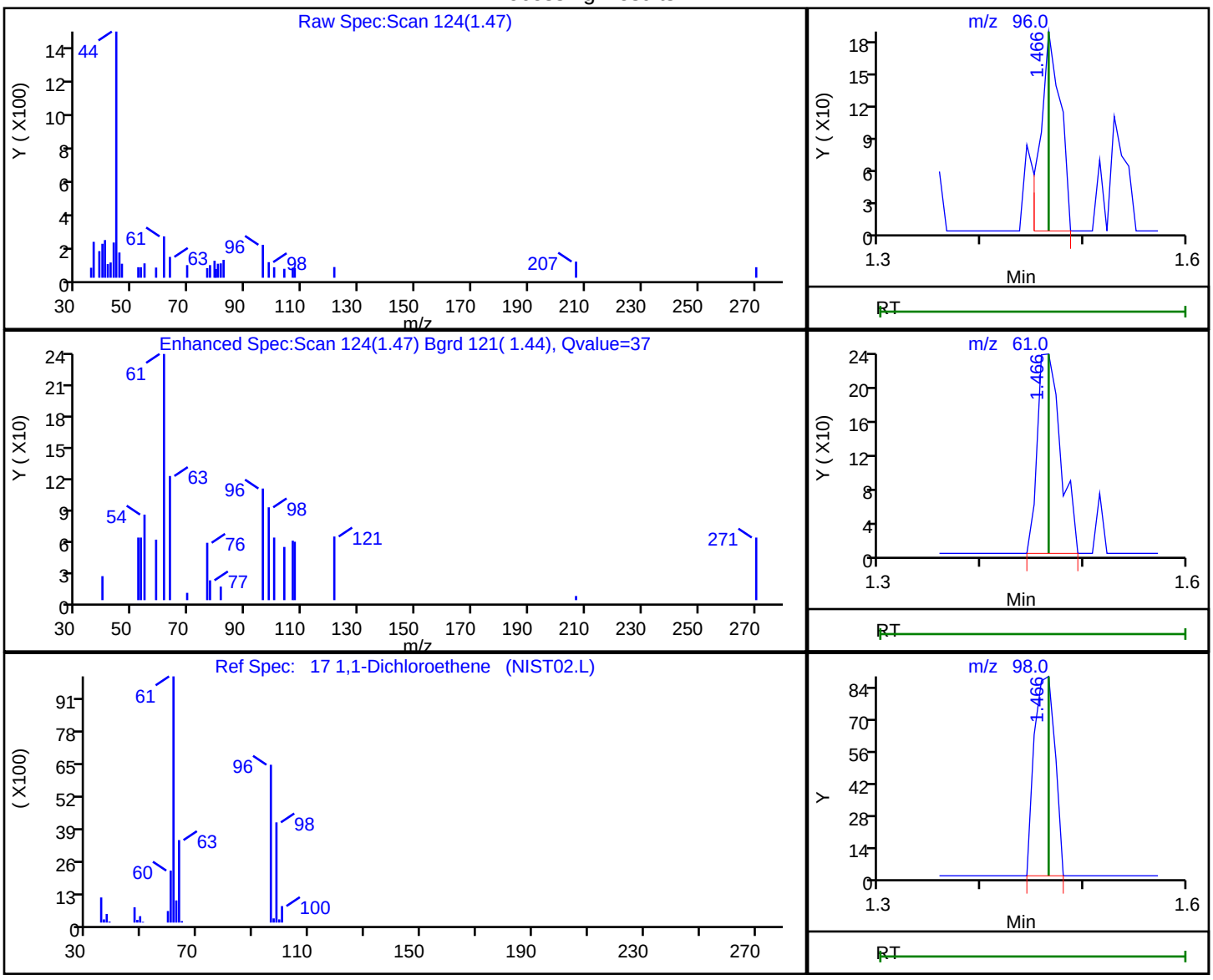
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

17 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
1.47	96.00	251	0.055261
1.47	61.00	374	
1.47	98.00	125	
1.47	63.00	156	

Reviewer: desais, 23-Aug-2019 09:37:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

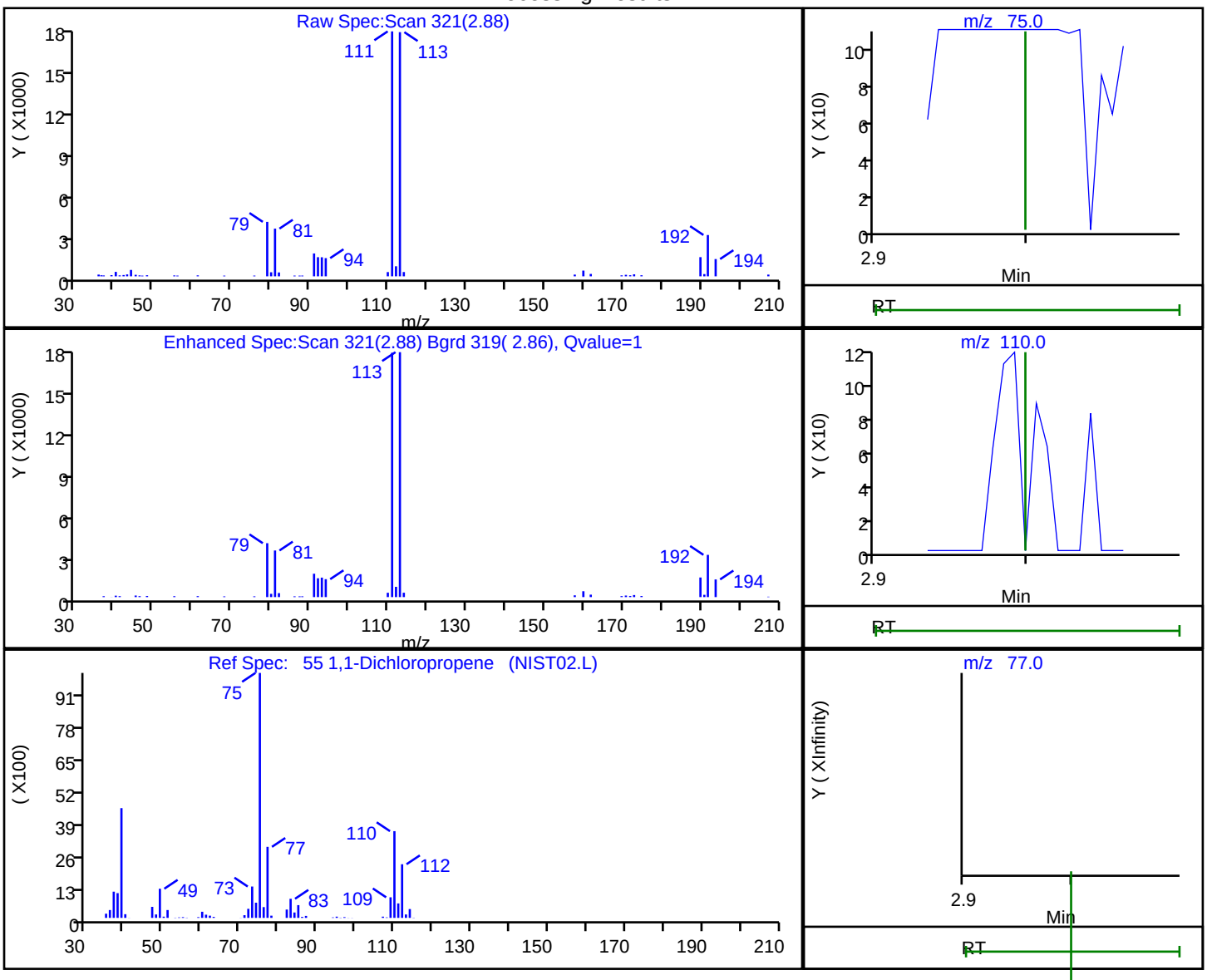
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

55 1,1-Dichloropropene, CAS: 563-58-6

Processing Results



RT	Mass	Response	Amount
2.88	75.00	45	0.007096
2.89	110.00	1516	
2.89	77.00	86	

Reviewer: desais, 23-Aug-2019 09:38:48

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

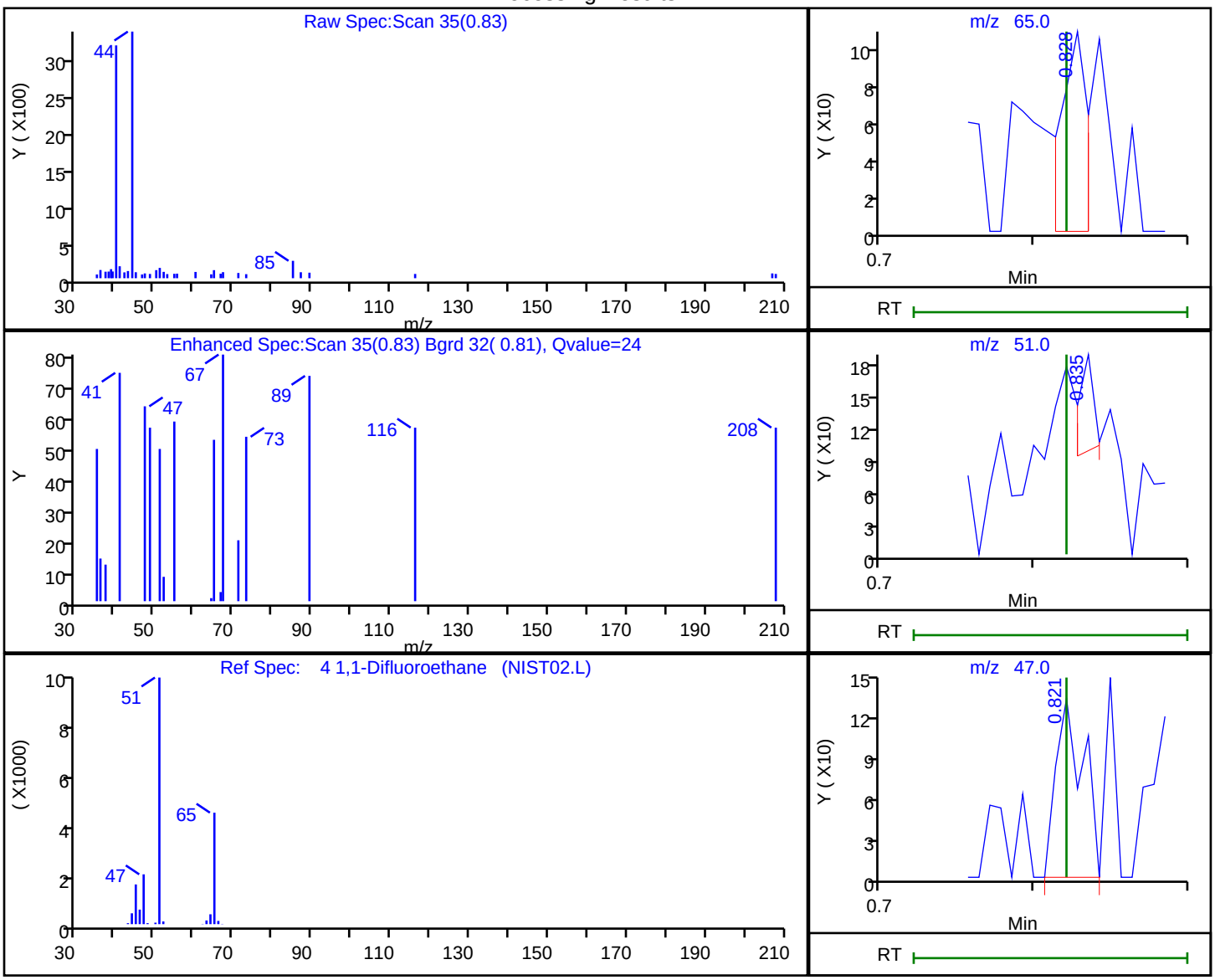
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 1,1-Difluoroethane, CAS: 75-37-6

Processing Results



RT	Mass	Response	Amount
0.83	65.00	128	0.054345
0.84	51.00	60	
0.82	47.00	161	

Reviewer: desais, 23-Aug-2019 09:37:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

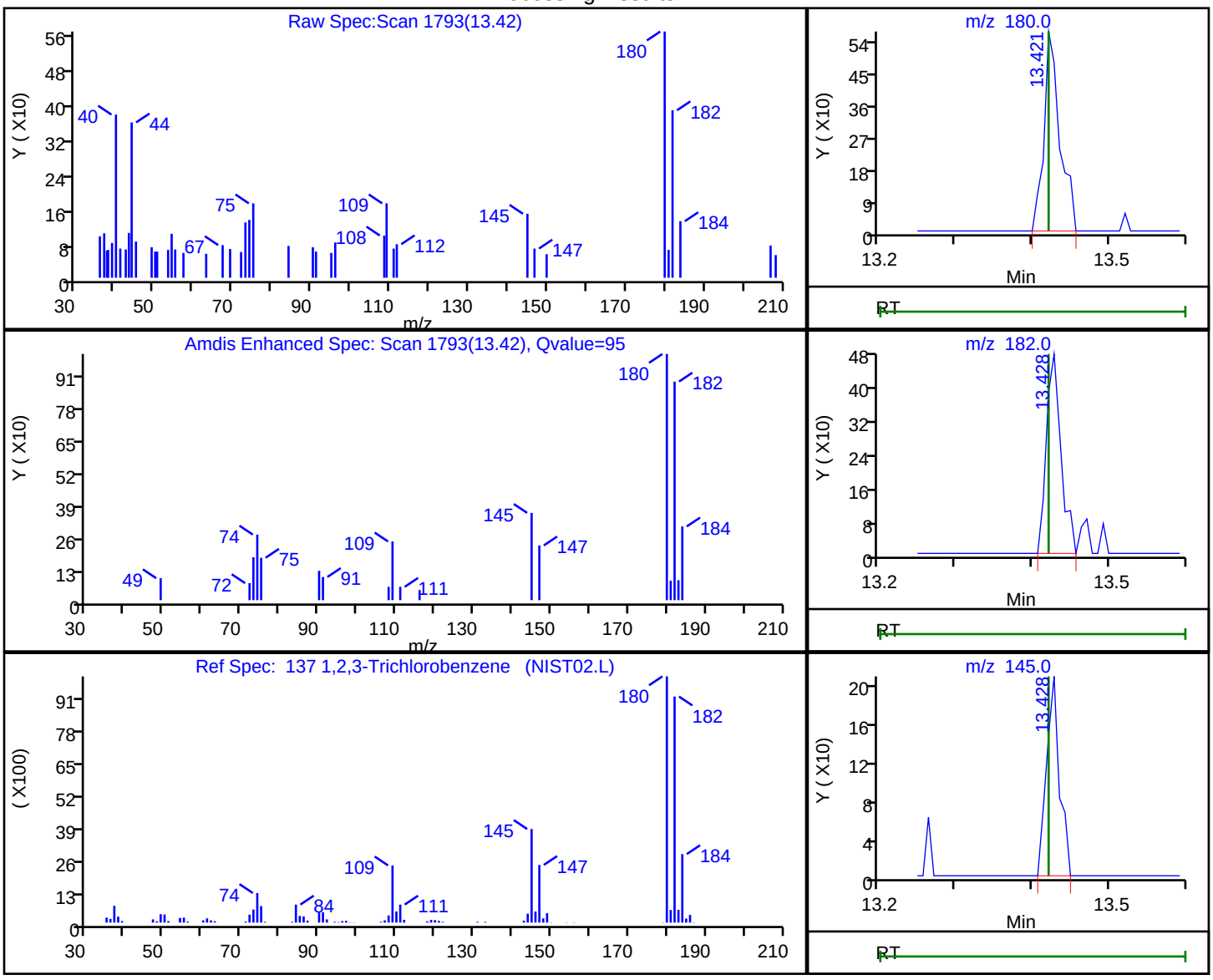
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

137 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results



RT	Mass	Response	Amount
13.42	180.00	818	0.189434
13.43	182.00	636	
13.43	145.00	245	

Reviewer: desais, 23-Aug-2019 09:40:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

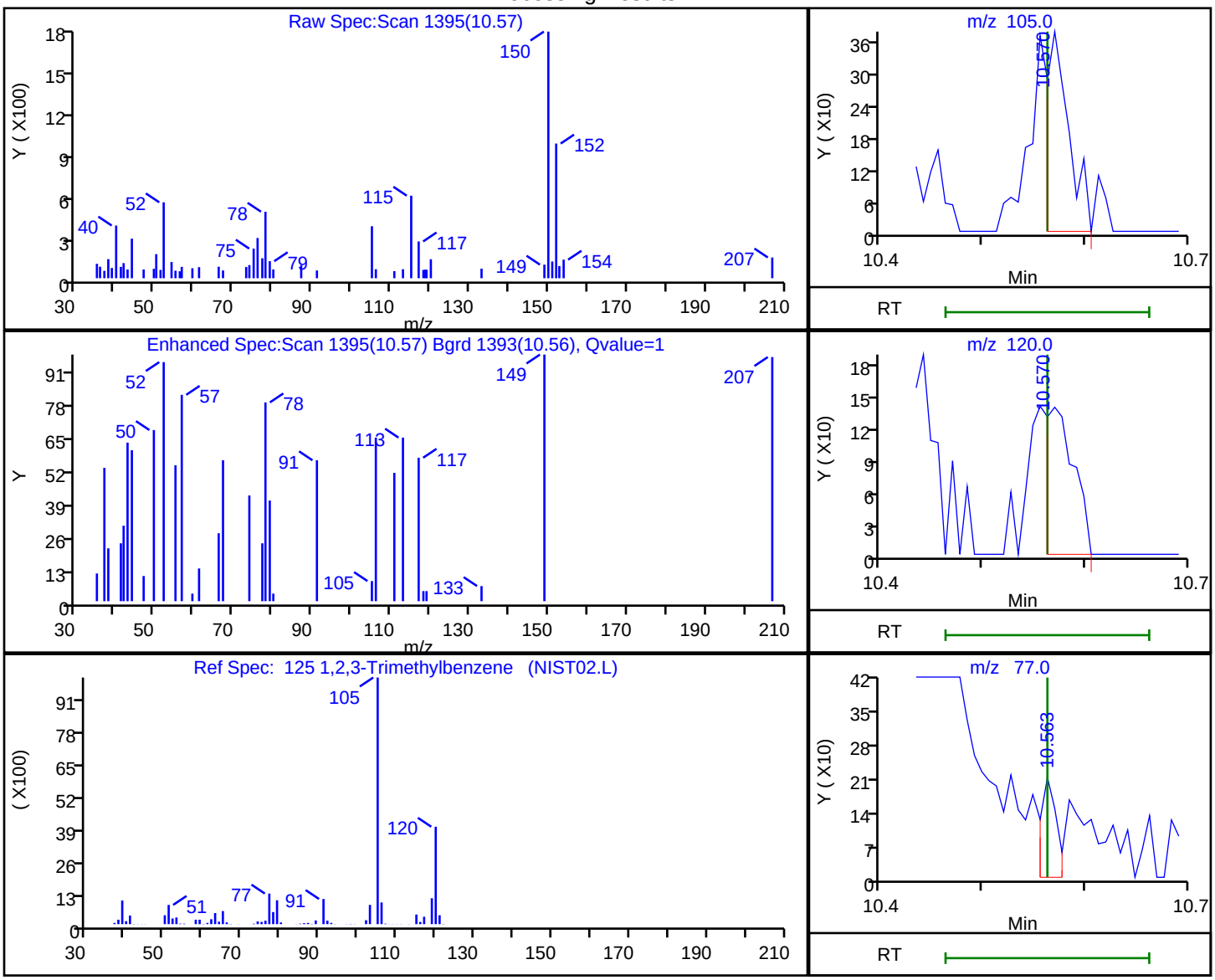
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

125 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
10.57	105.00	570	0.039773
10.57	120.00	263	
10.56	77.00	226	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

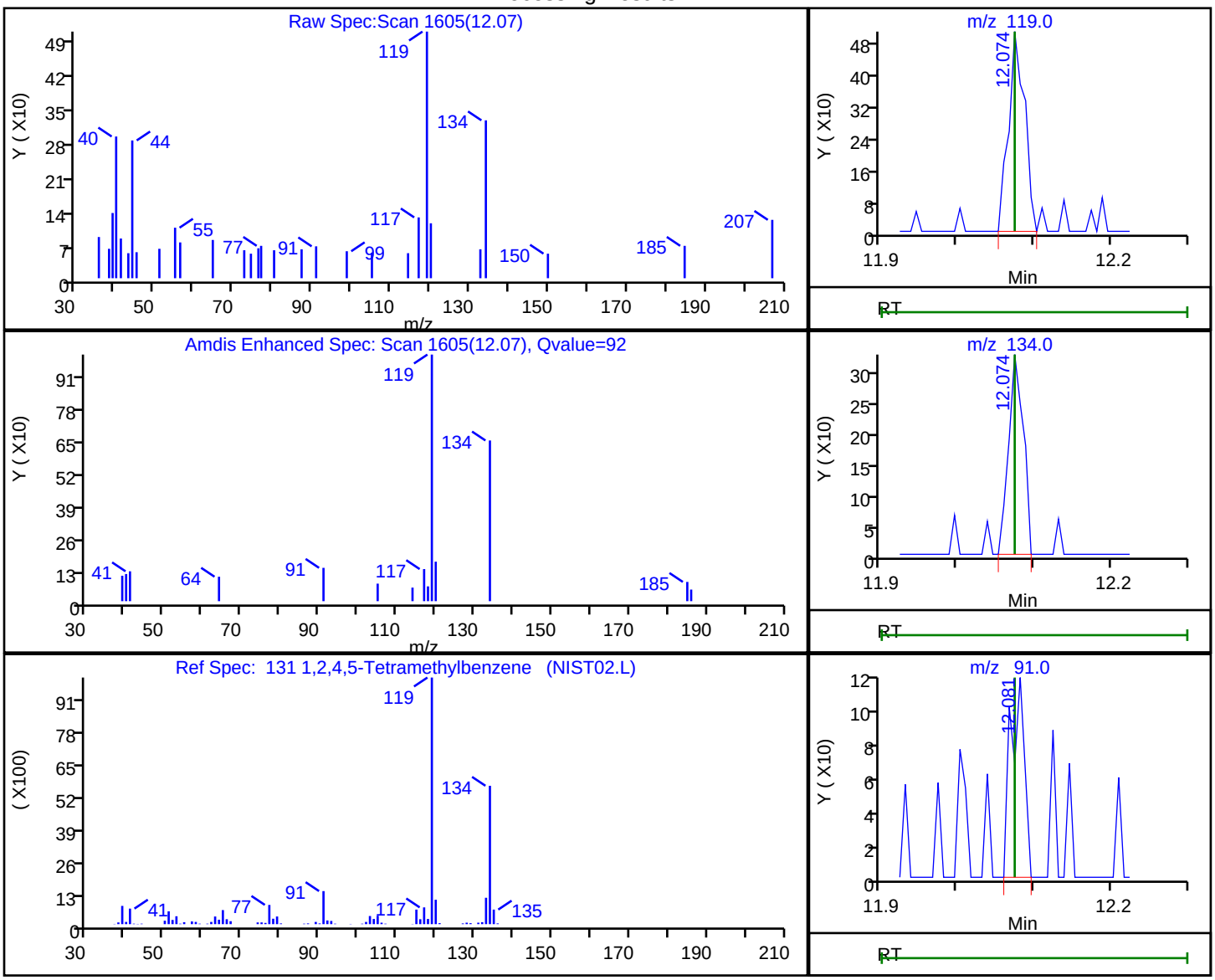
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

131 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
12.07	119.00	737	0.073650
12.07	134.00	432	
12.08	91.00	143	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

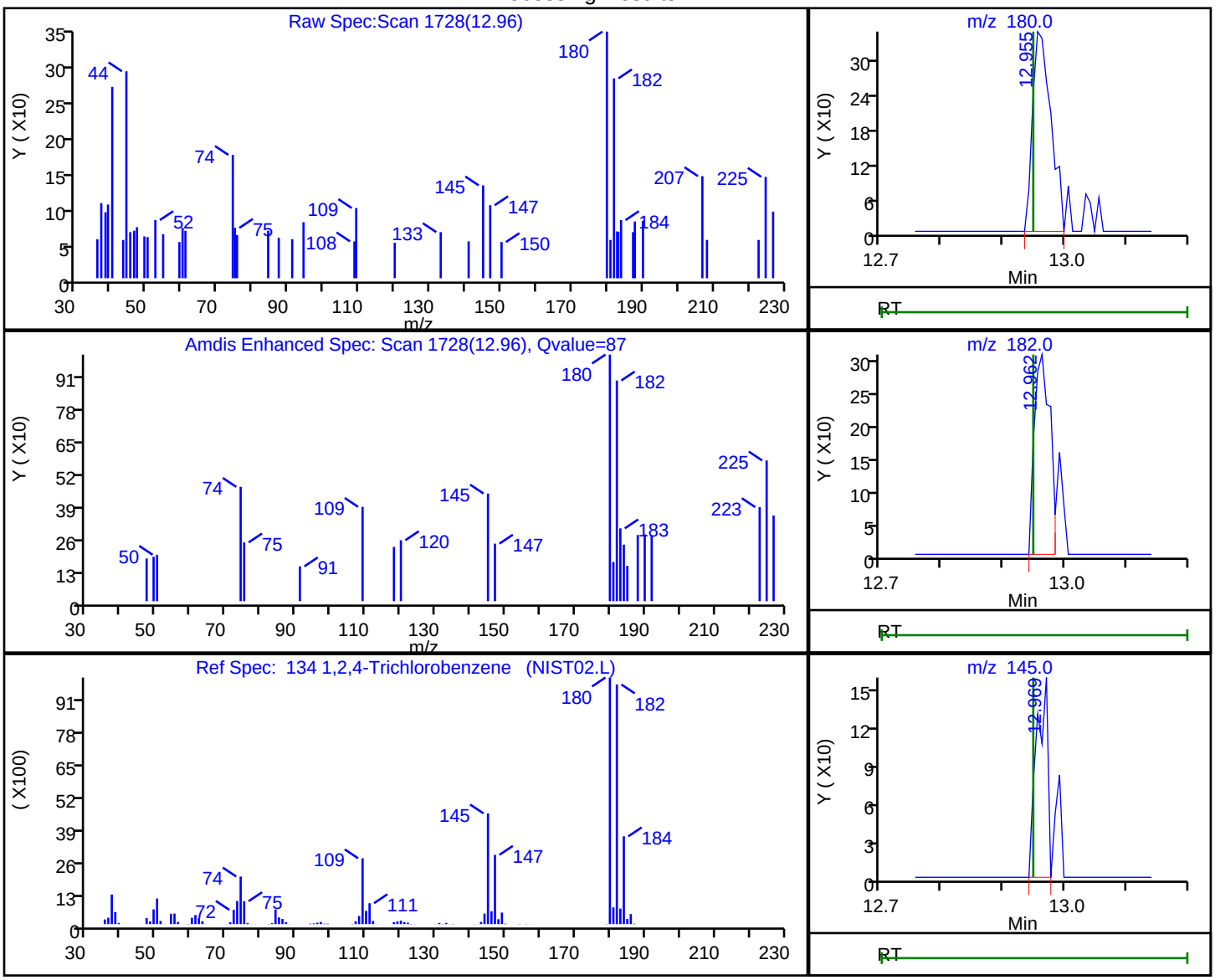
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

134 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
12.96	180.00	726	0.156094
12.96	182.00	552	
12.97	145.00	204	

Reviewer: desais, 23-Aug-2019 09:40:52

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

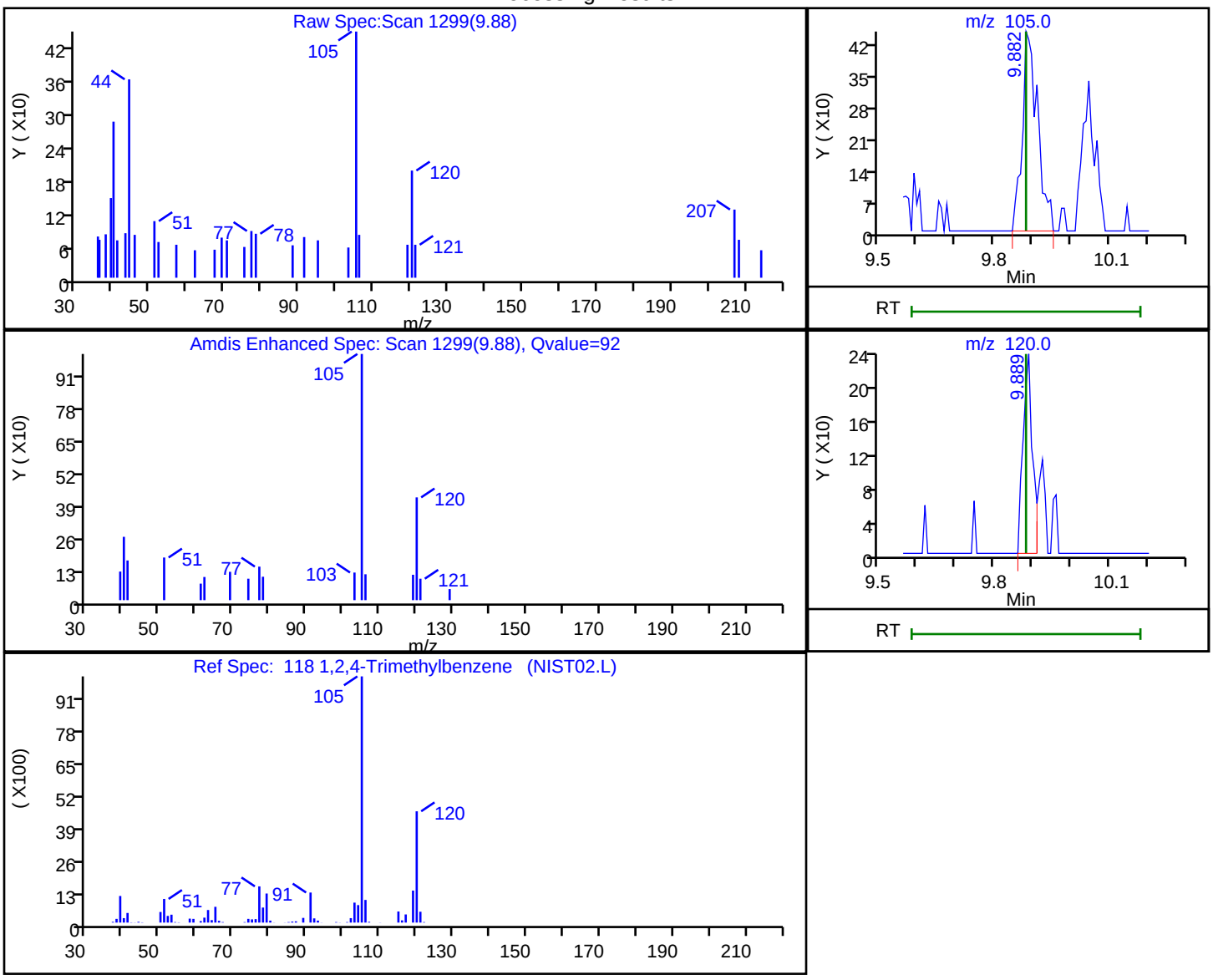
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

118 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
9.88	105.00	1256	0.091958
9.89	120.00	398	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

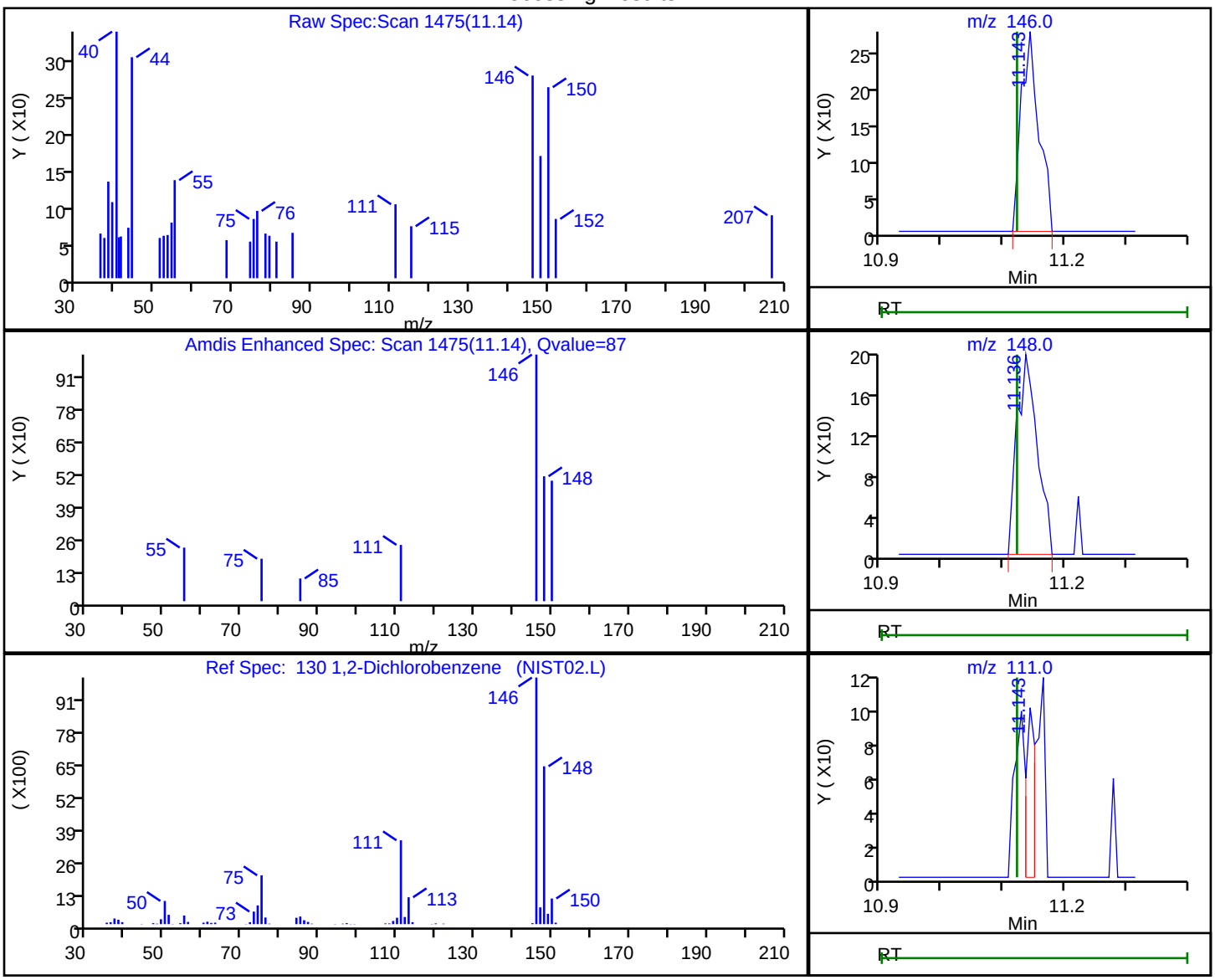
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

130 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
11.14	146.00	552	0.065823
11.14	148.00	450	
11.14	111.00	103	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

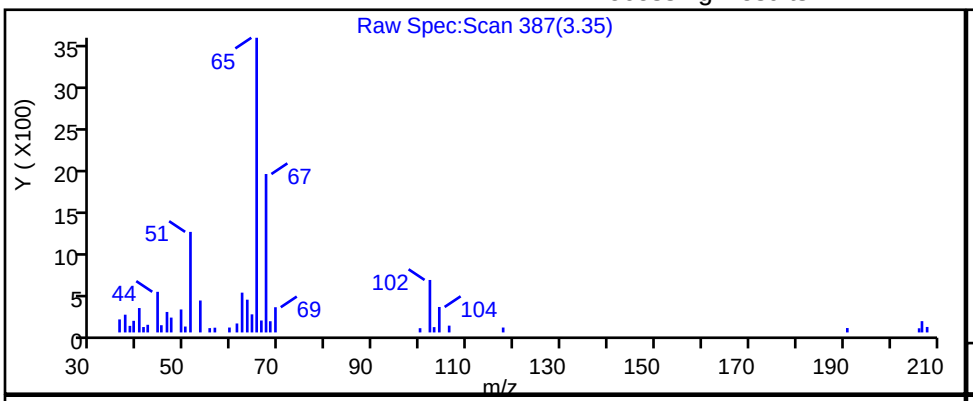
User Disabled Compound Report

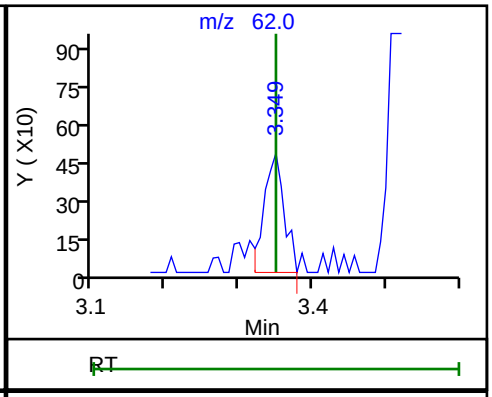
Eurofins TestAmerica, Edison

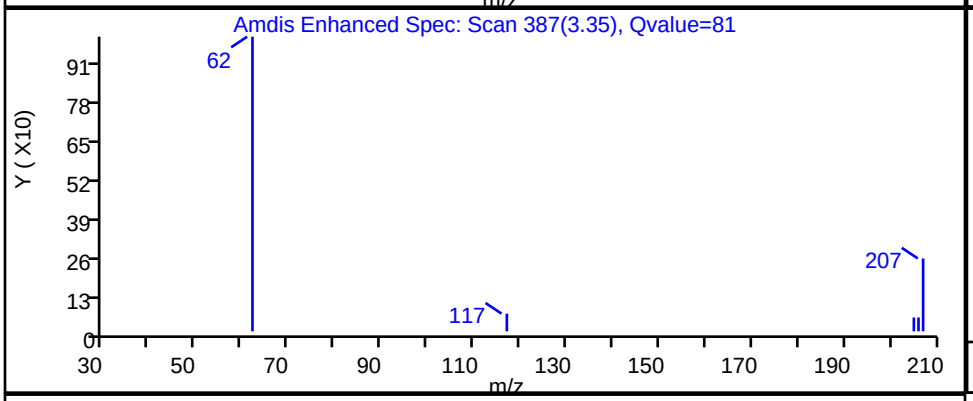
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

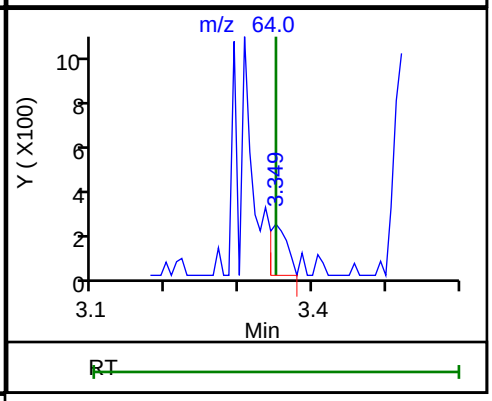
63 1,2-Dichloroethane, CAS: 107-06-2

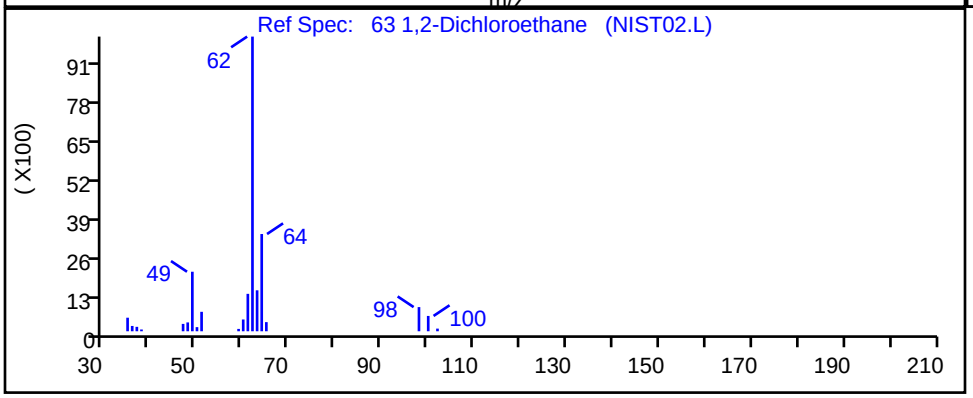
Processing Results











RT	Mass	Response	Amount
3.35	62.00	912	0.145735
3.35	64.00	352	

Reviewer: desais, 23-Aug-2019 09:38:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

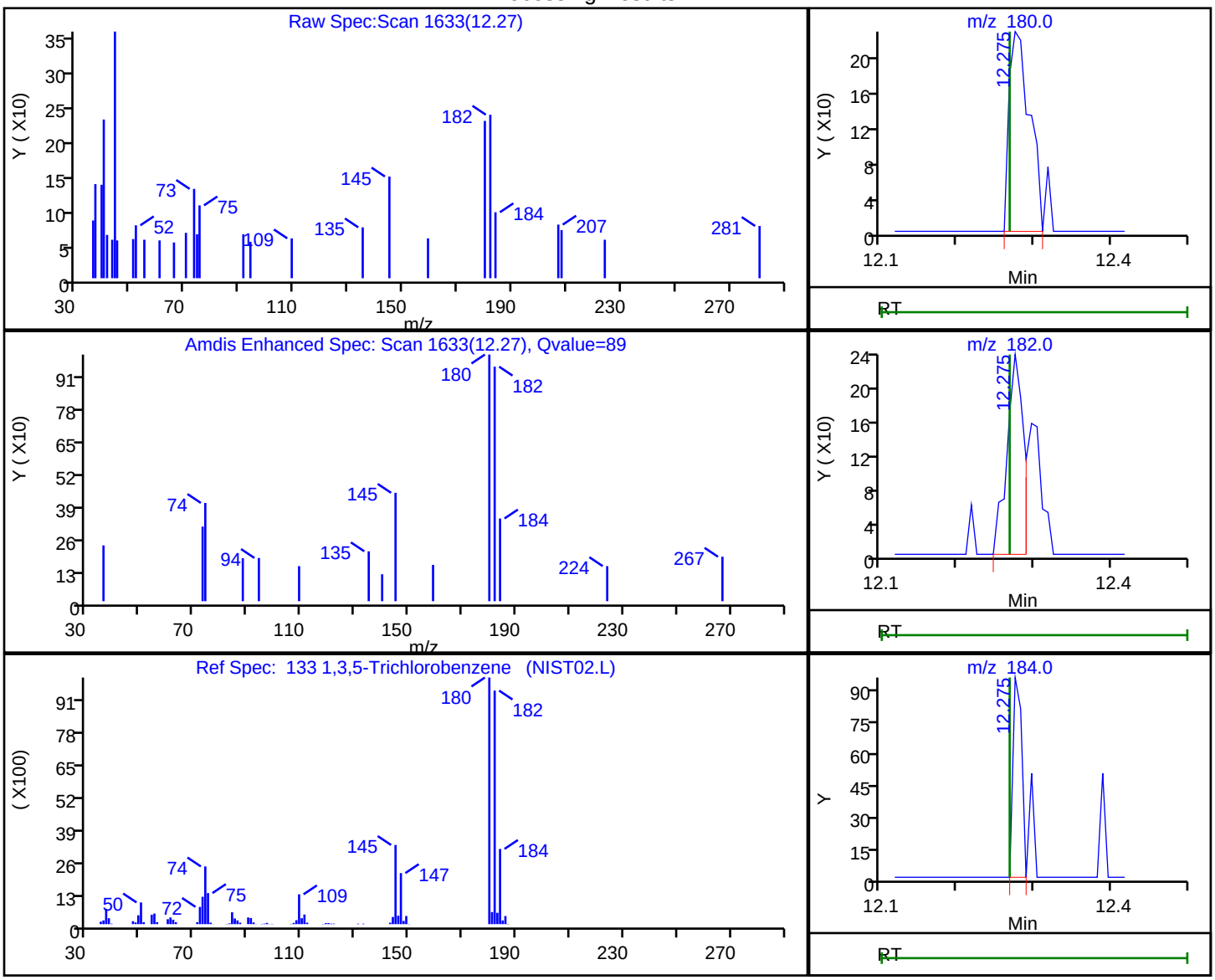
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

133 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results



RT	Mass	Response	Amount
12.27	180.00	428	0.085185
12.27	182.00	359	
12.27	184.00	76	

Reviewer: desais, 23-Aug-2019 09:40:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

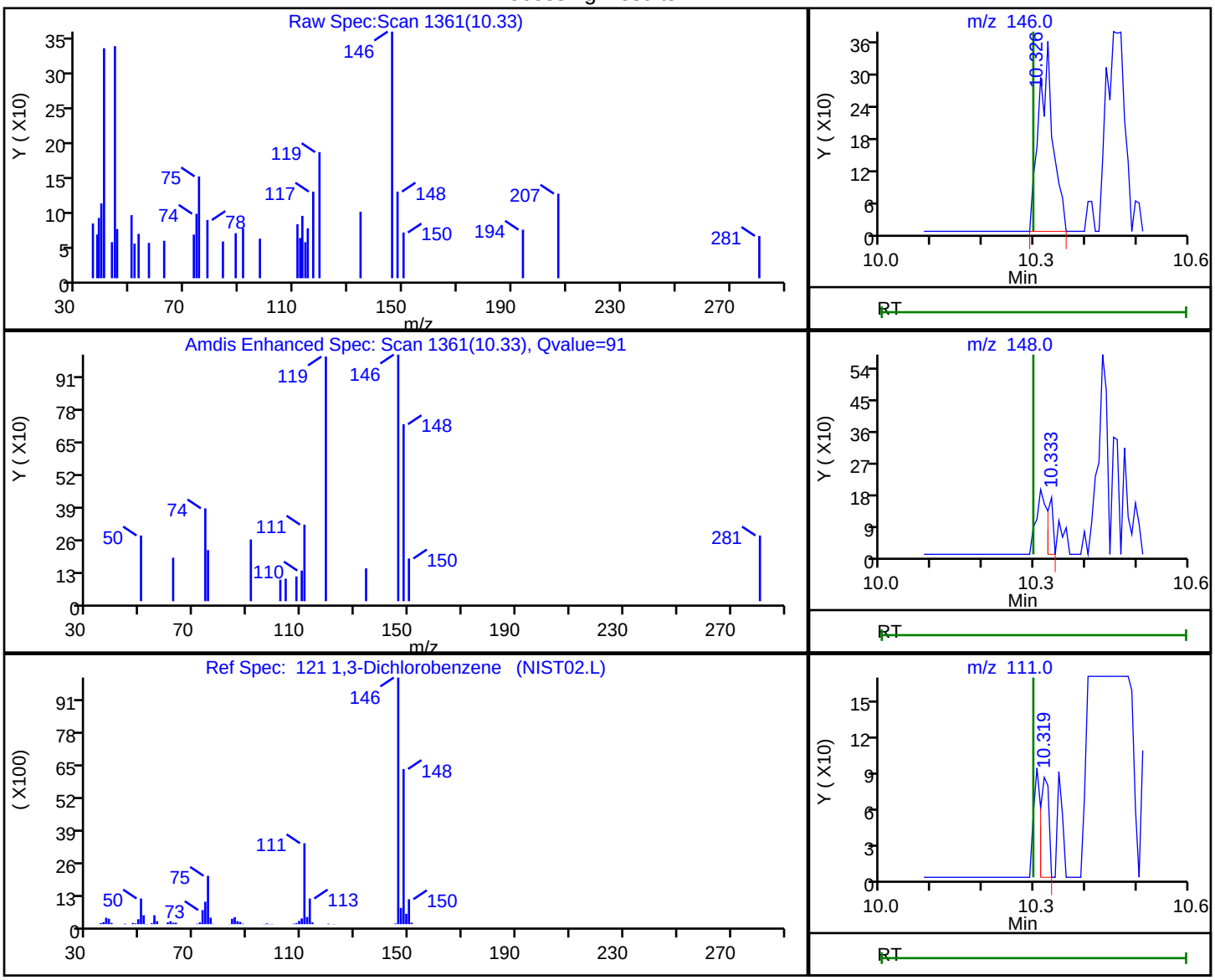
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

121 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
10.33	146.00	681	0.079536
10.33	148.00	125	
10.32	111.00	95	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

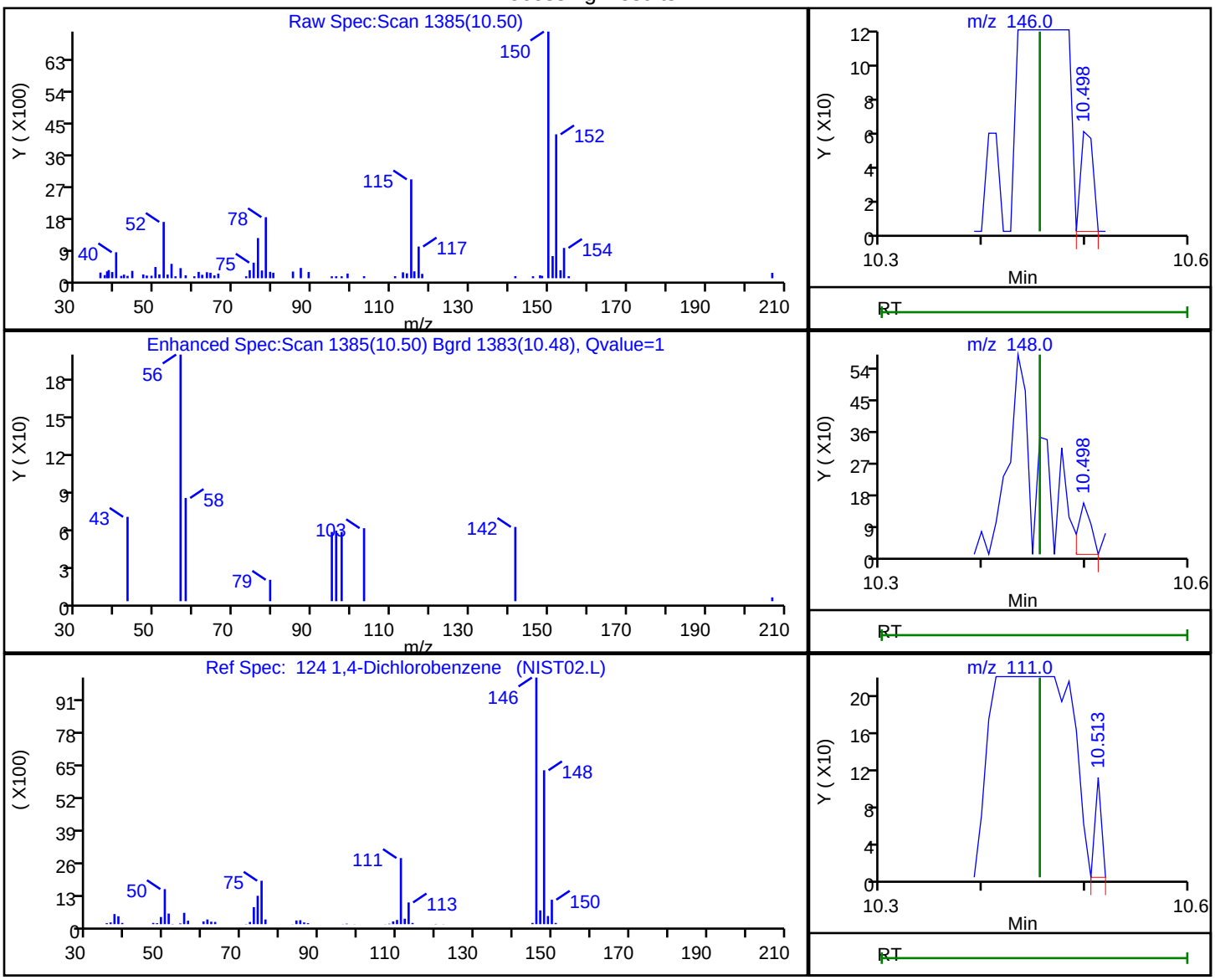
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

124 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.50	146.00	47	0.005110
10.50	148.00	127	
10.51	111.00	46	

Reviewer: desais, 23-Aug-2019 09:40:51

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

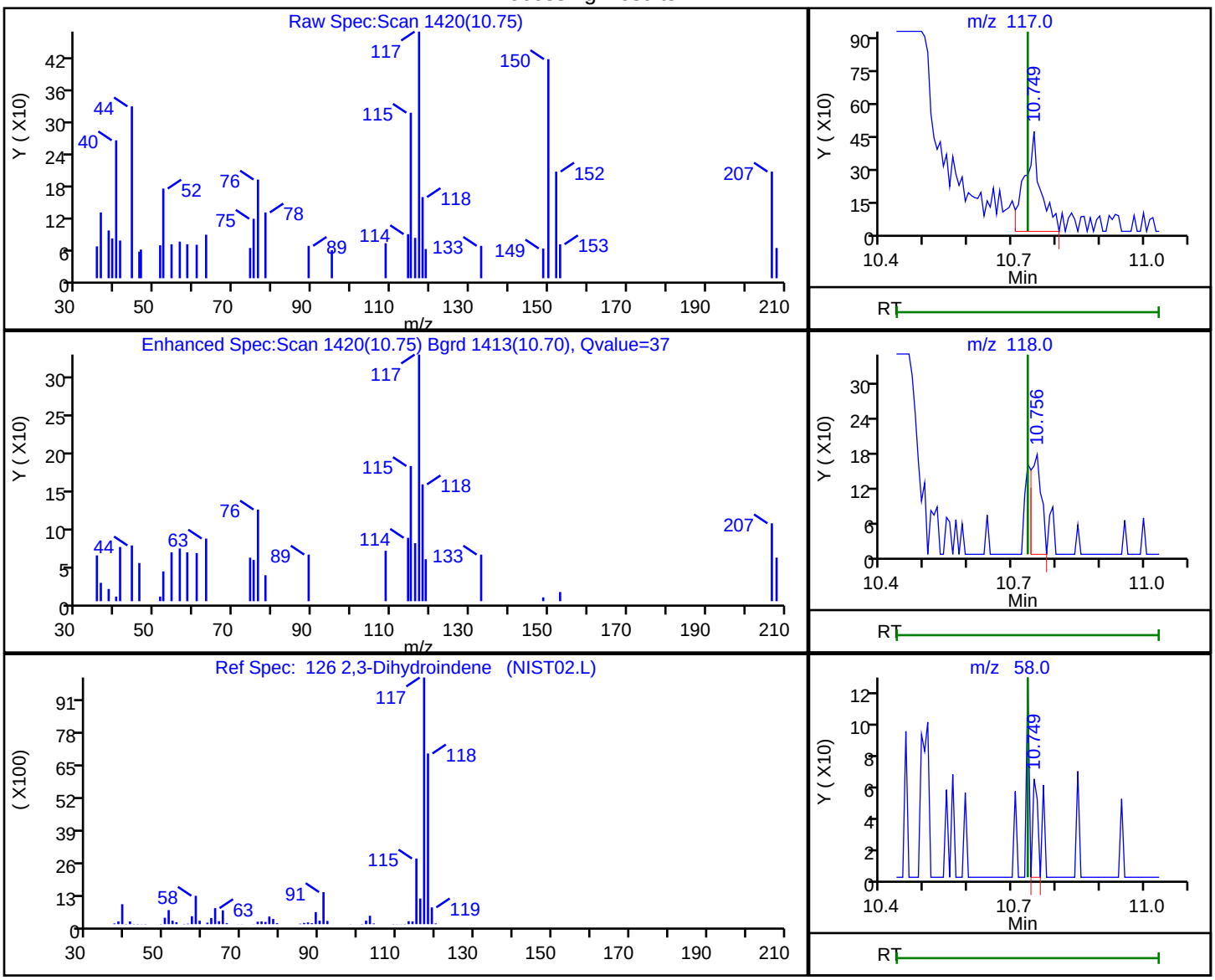
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

126 2,3-Dihydroindene, CAS: 496-11-7

Processing Results



RT	Mass	Response	Amount
10.75	117.00	1162	0.078137
10.76	118.00	286	
10.75	58.00	49	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

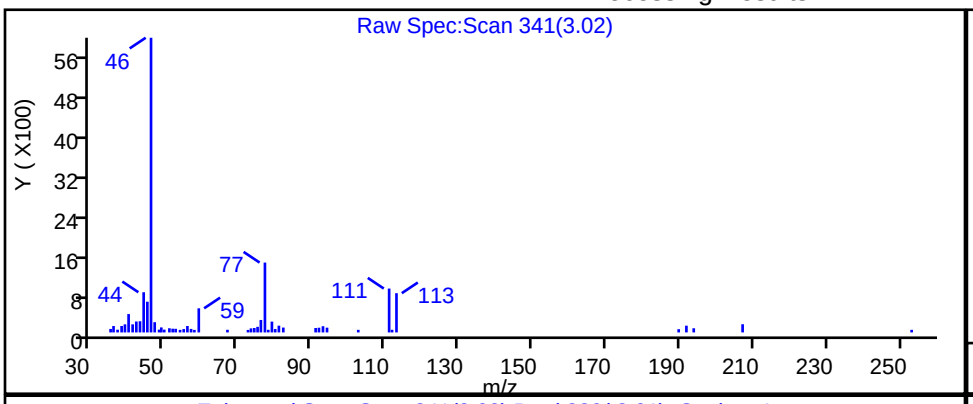
User Disabled Compound Report

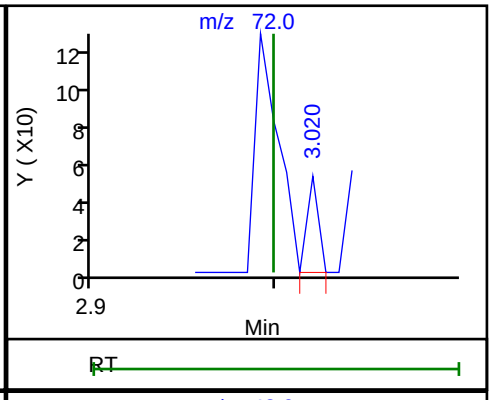
Eurofins TestAmerica, Edison

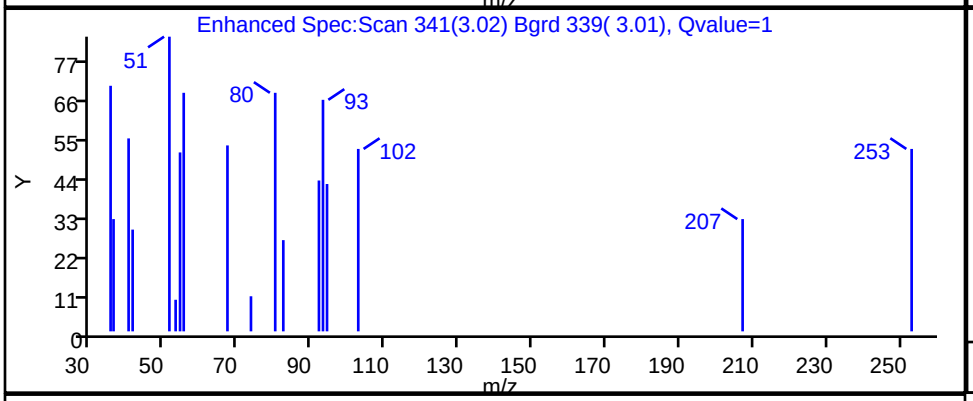
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

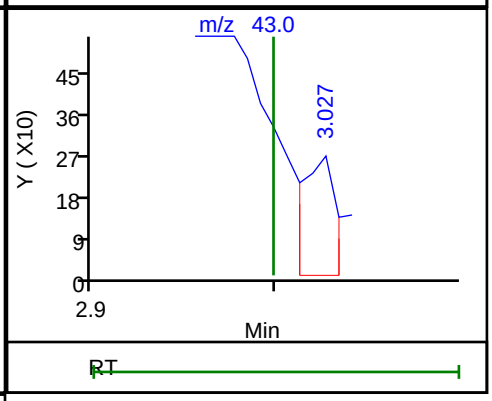
54 2-Butanone (MEK), CAS: 78-93-3

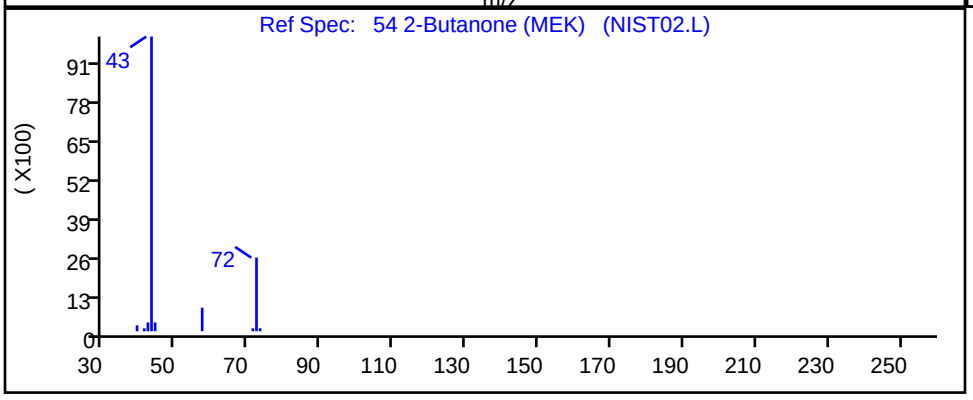
Processing Results











RT	Mass	Response	Amount
3.02	72.00	22	0.043916
3.03	43.00	352	

Reviewer: desais, 23-Aug-2019 09:38:47

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

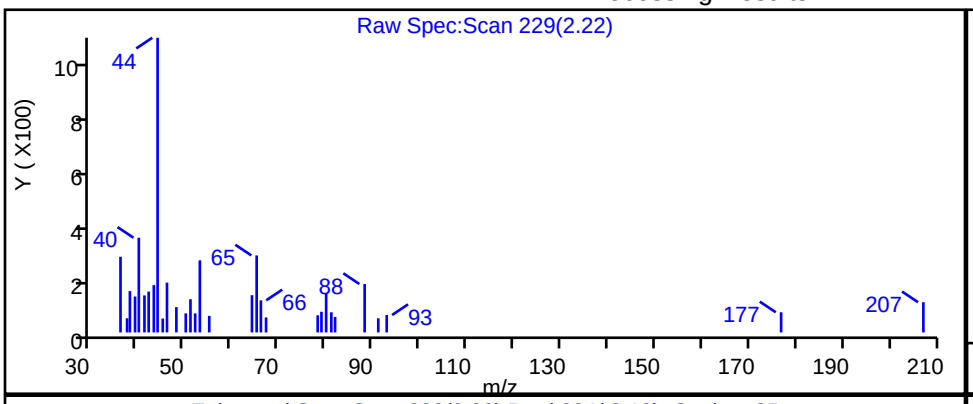
User Disabled Compound Report

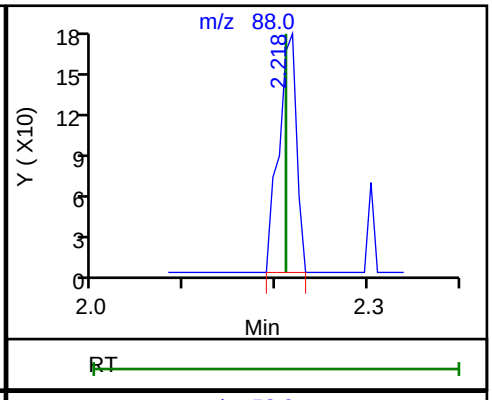
Eurofins TestAmerica, Edison

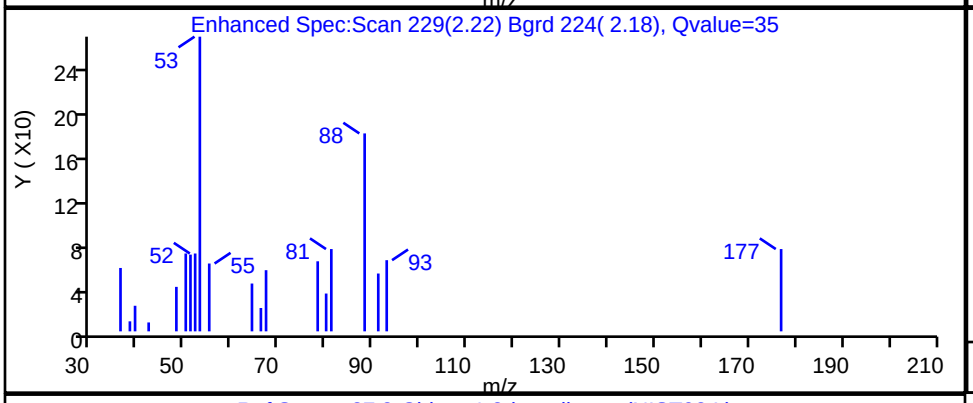
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

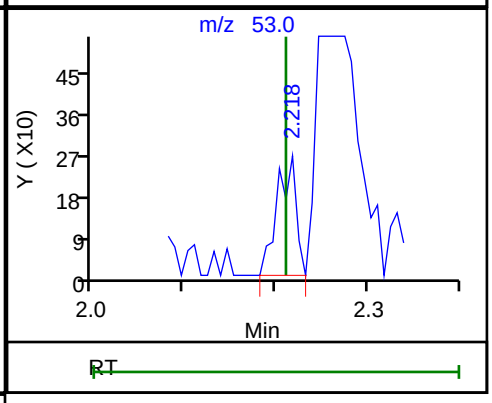
37 2-Chloro-1,3-butadiene, CAS: 126-99-8

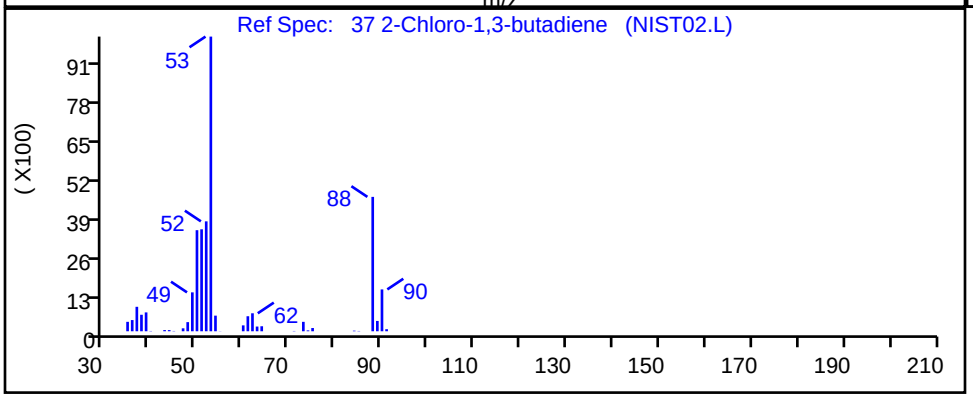
Processing Results











RT	Mass	Response	Amount
2.22	88.00	240	0.046270
2.22	53.00	381	

Reviewer: desais, 23-Aug-2019 09:38:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

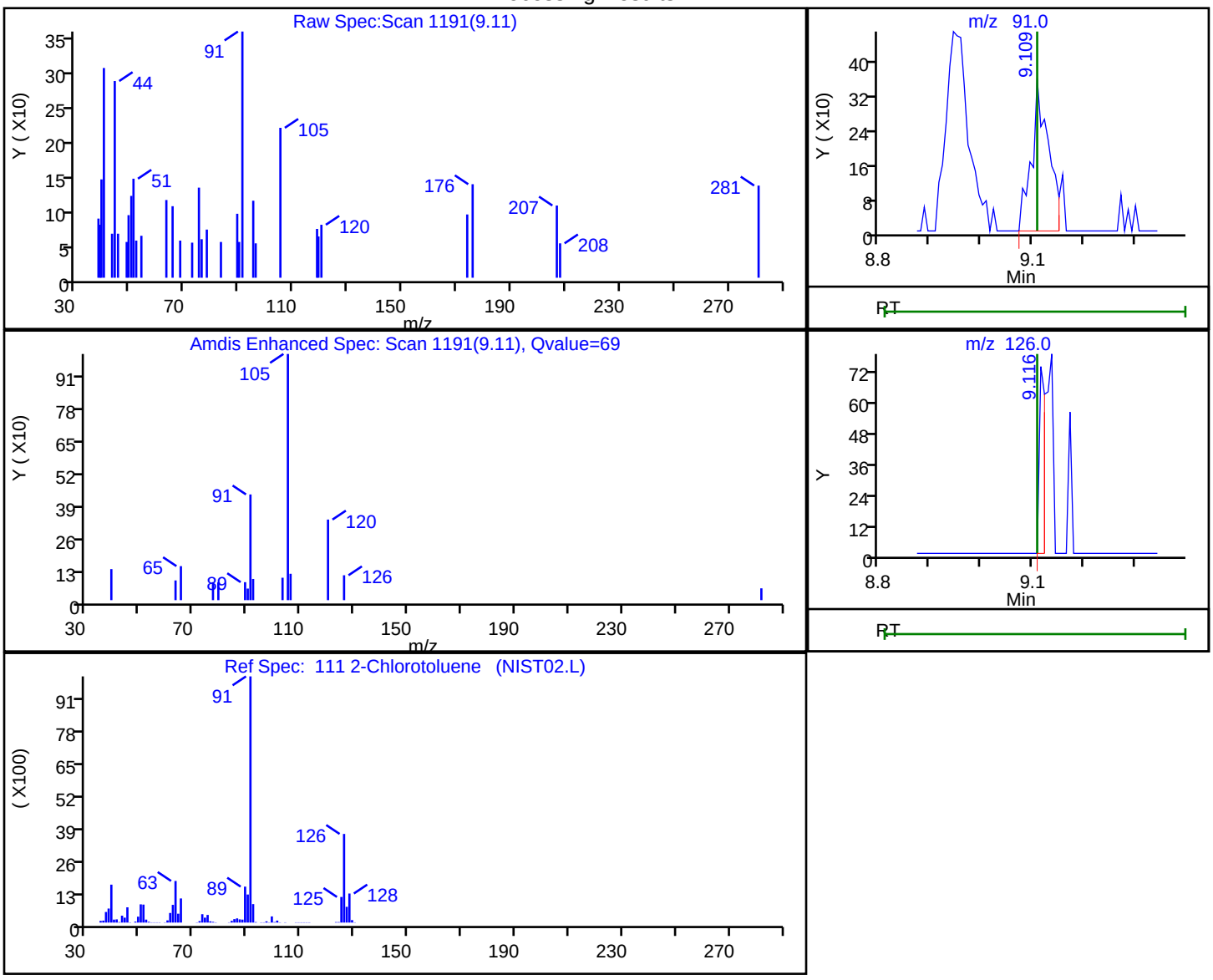
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

111 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
9.11	91.00	832	0.058396
9.12	126.00	59	

Reviewer: desais, 23-Aug-2019 09:40:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

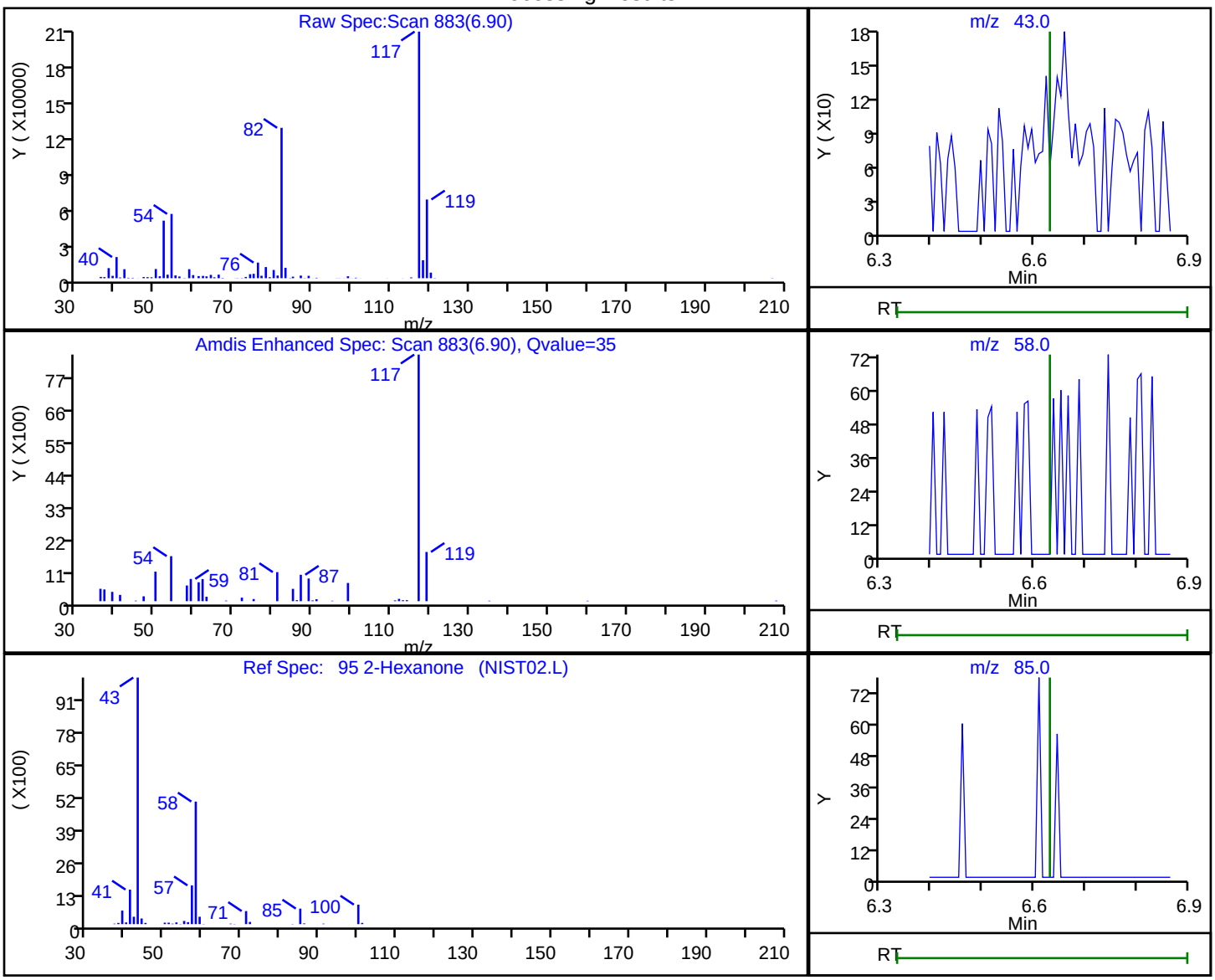
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

95 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
6.90	43.00	970	0.316053
6.91	58.00	20377	
6.92	85.00	3708	
6.91	100.00	255	

Reviewer: desais, 23-Aug-2019 09:39:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

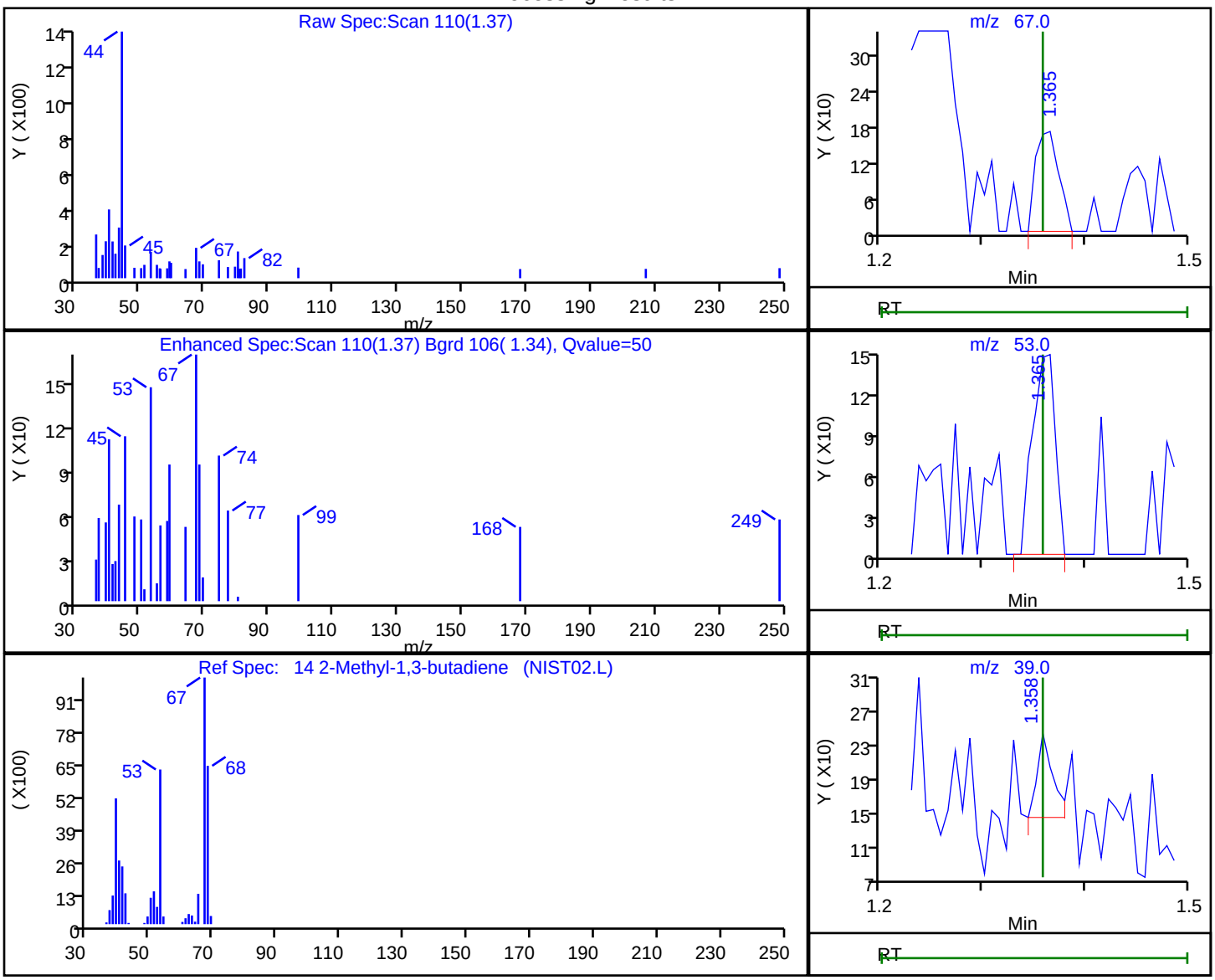
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
1.37	67.00	263	0.035428
1.37	53.00	224	
1.36	39.00	103	

Reviewer: desais, 23-Aug-2019 09:37:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

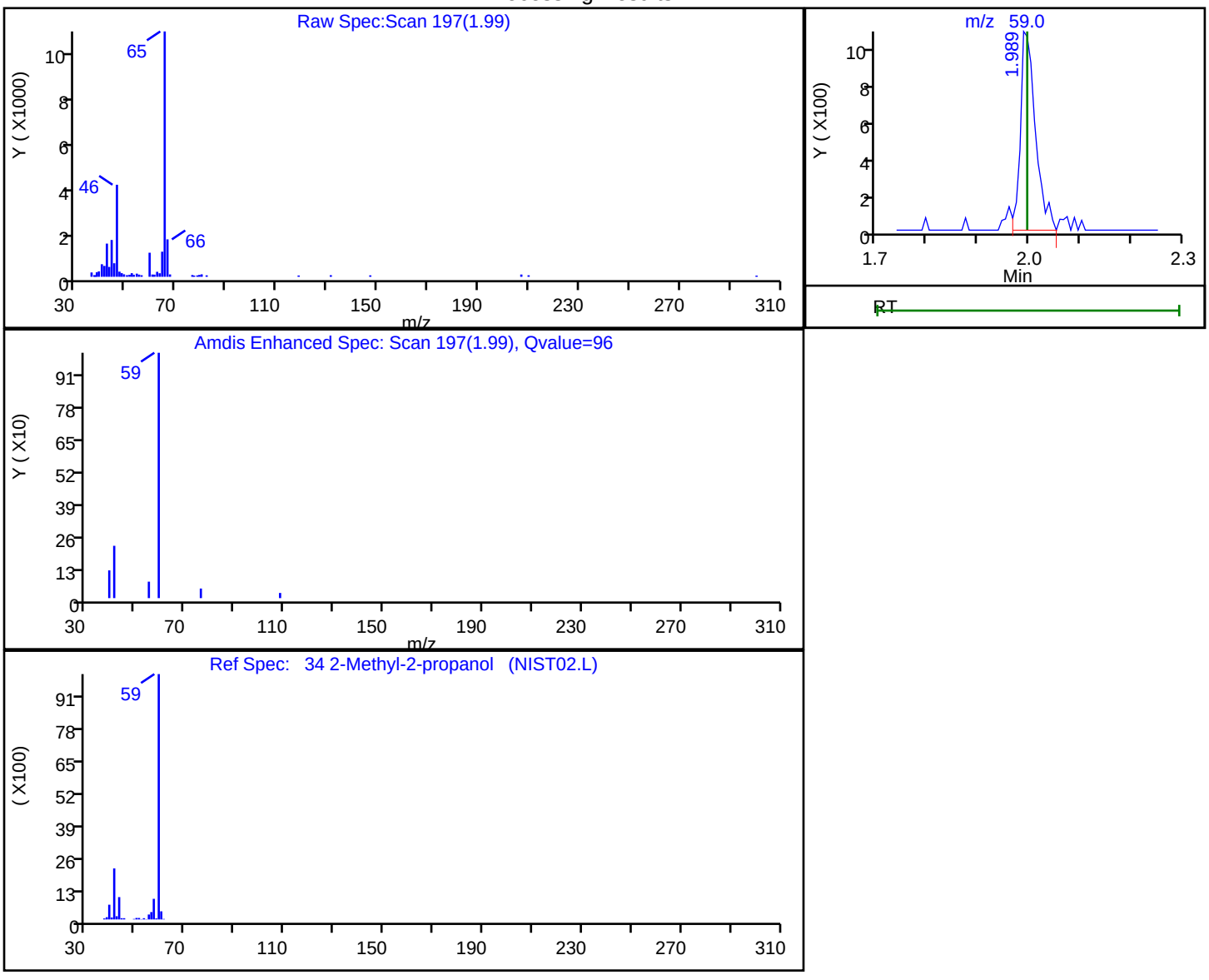
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D				
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13		
Lims ID:	STD8				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

34 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
1.99	59.00	2139	6.289336

Reviewer: desais, 23-Aug-2019 09:38:31

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

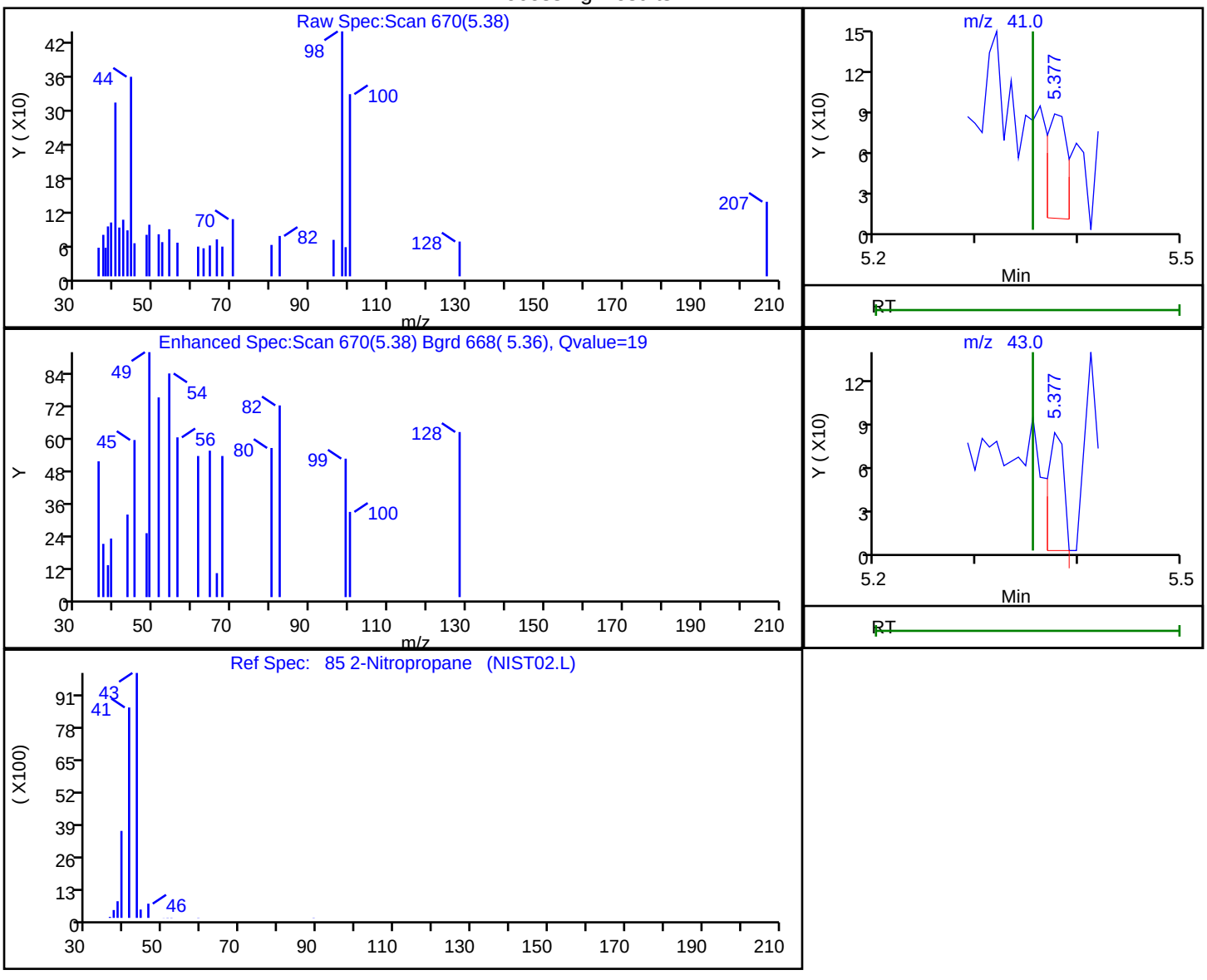
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

85 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
5.38	41.00	113	0.093384
5.38	43.00	89	

Reviewer: desais, 23-Aug-2019 09:39:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

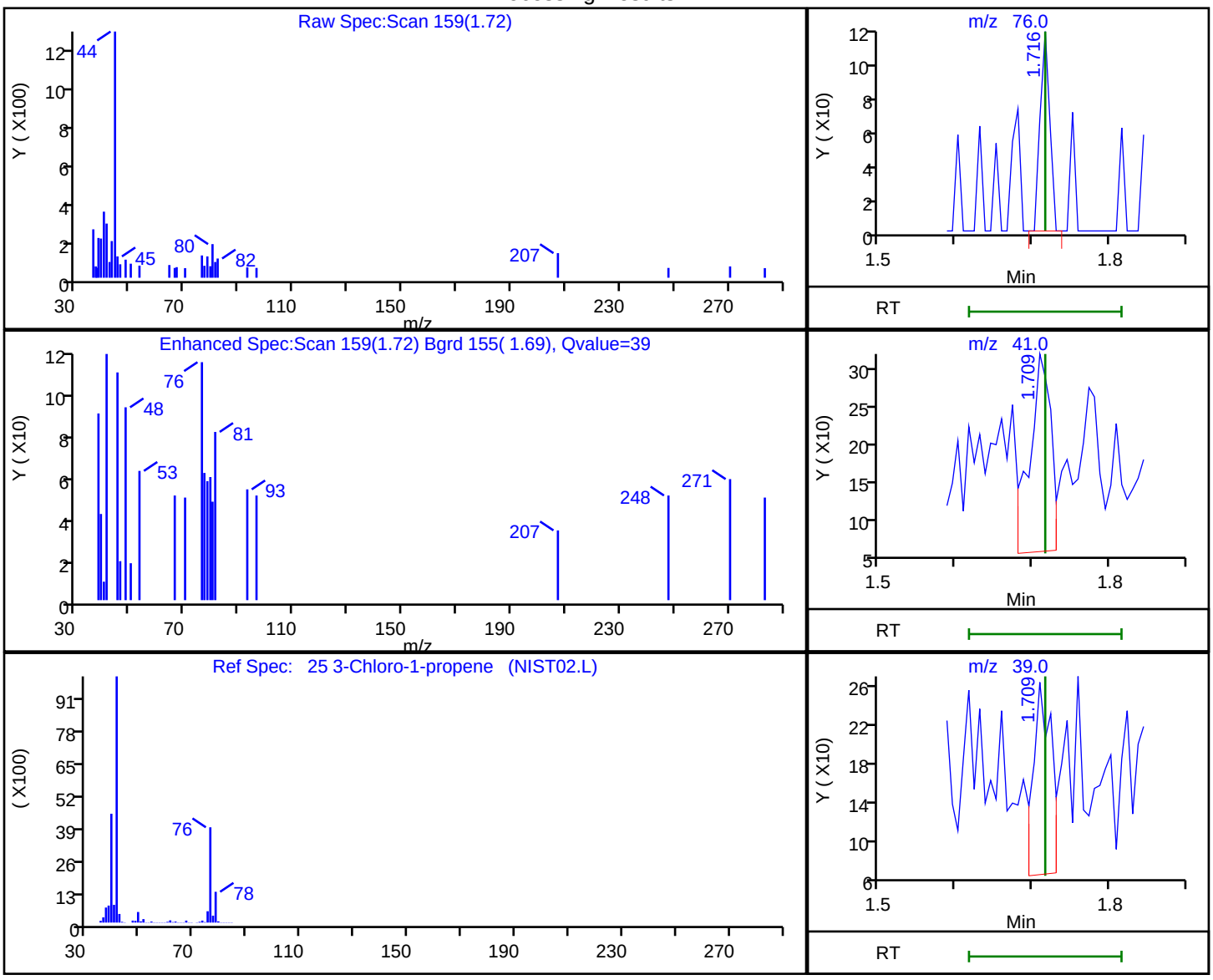
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
1.72	76.00	101	0.047001
1.71	41.00	499	
1.71	39.00	327	

Reviewer: desais, 23-Aug-2019 09:38:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

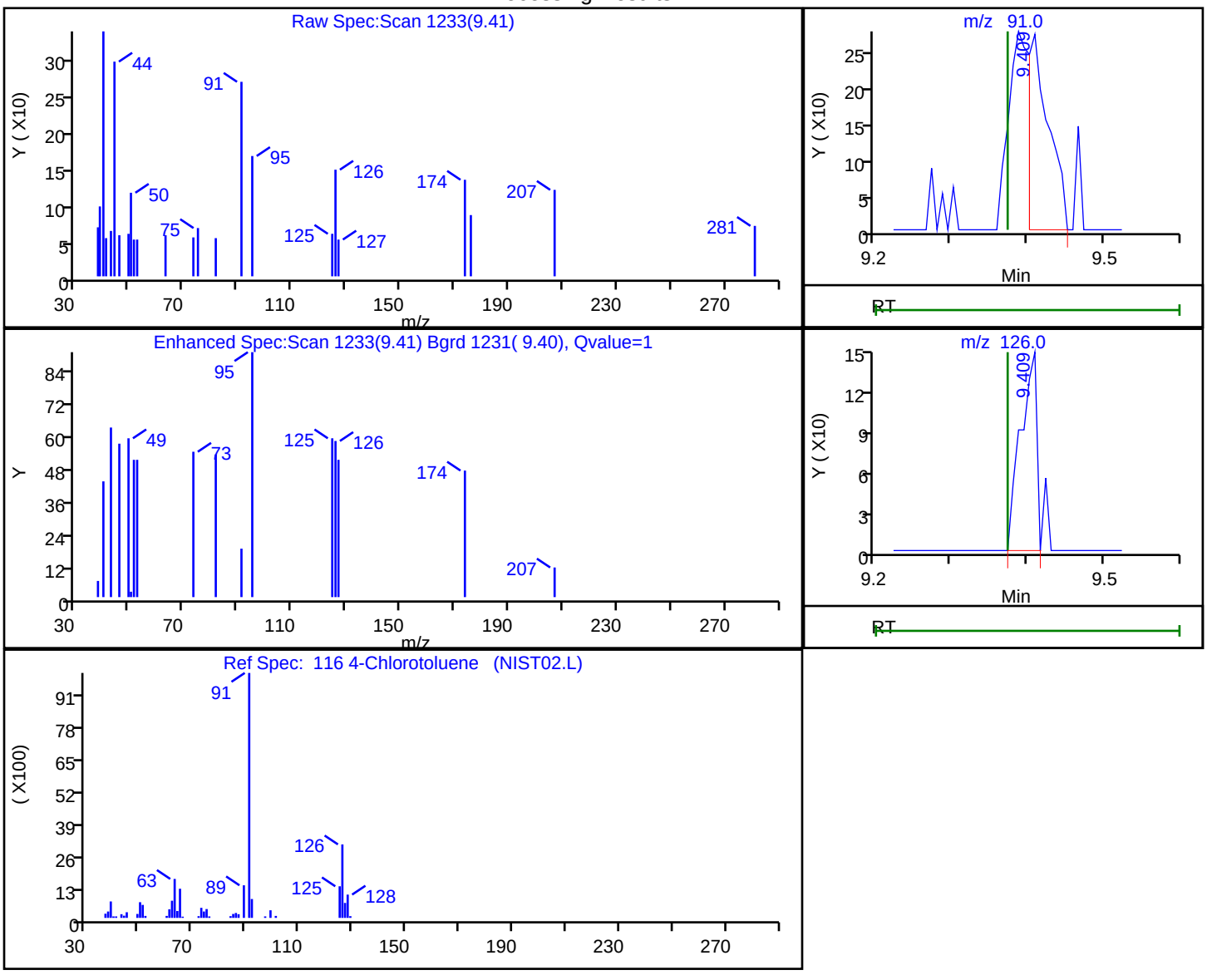
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

116 4-Chlorotoluene, CAS: 106-43-4

Processing Results



RT	Mass	Response	Amount
9.41	91.00	506	0.038970
9.41	126.00	217	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

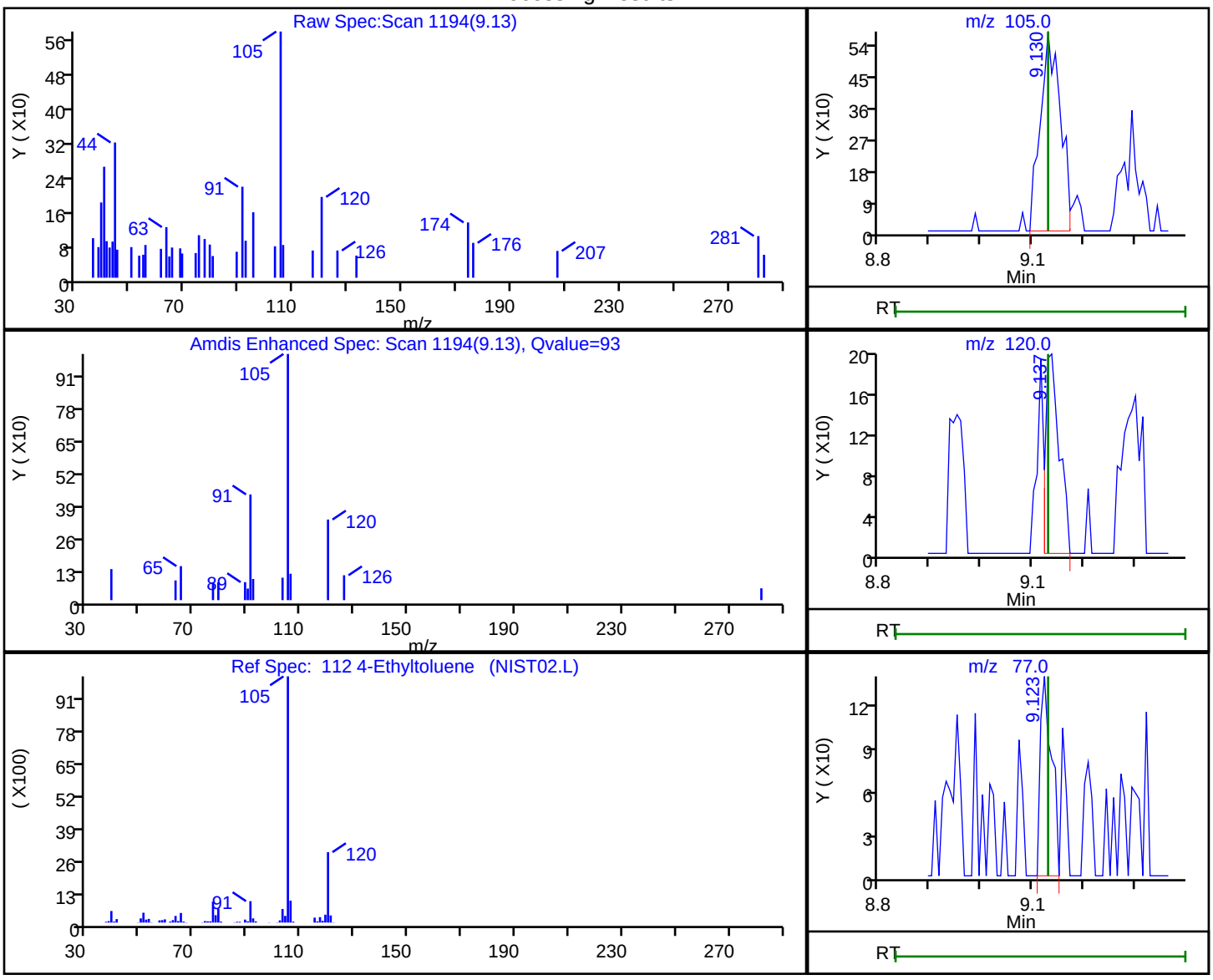
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

112 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
9.13	105.00	1587	0.100117
9.14	120.00	365	
9.12	77.00	208	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

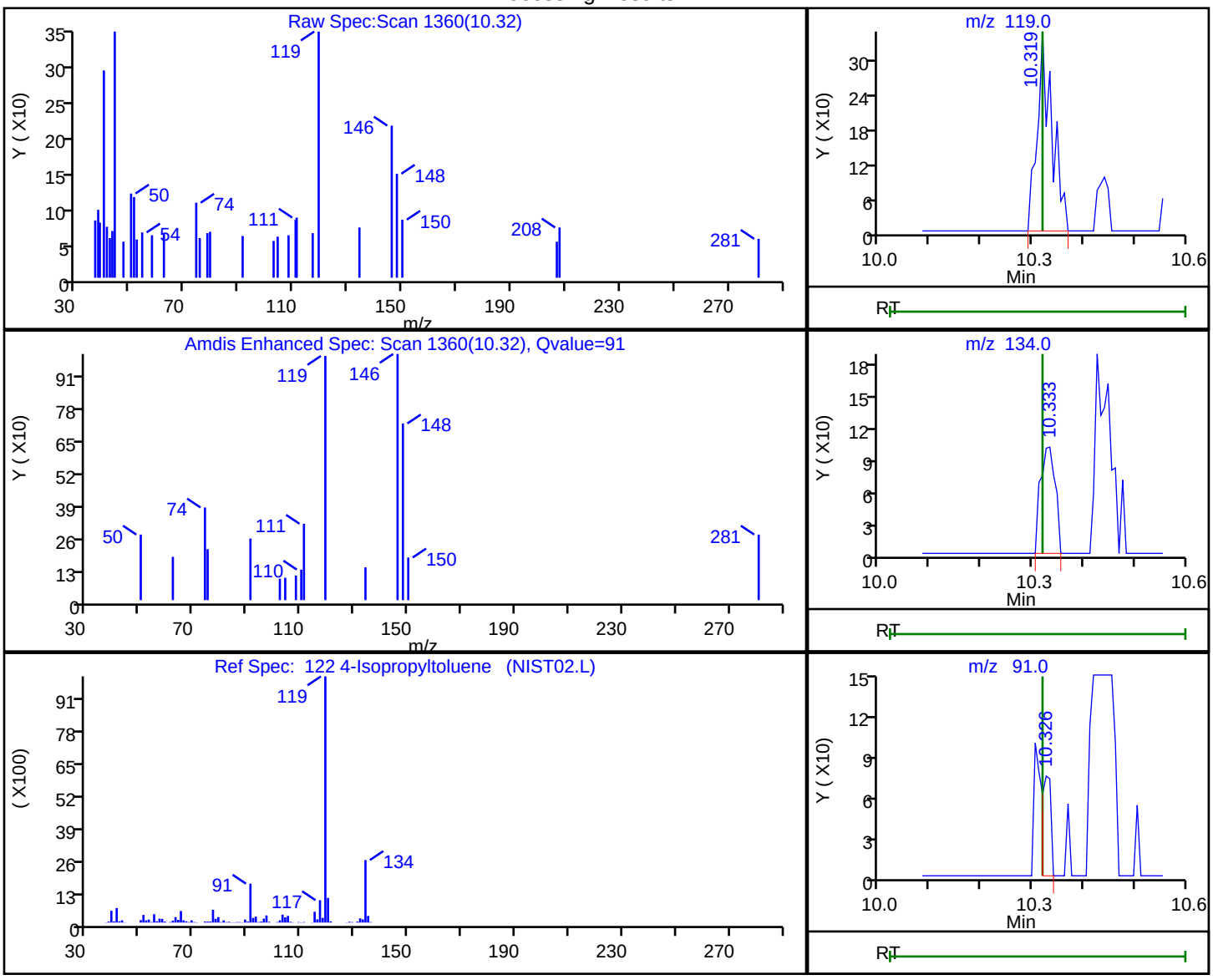
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

122 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.32	119.00	699	0.058350
10.33	134.00	196	
10.33	91.00	86	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

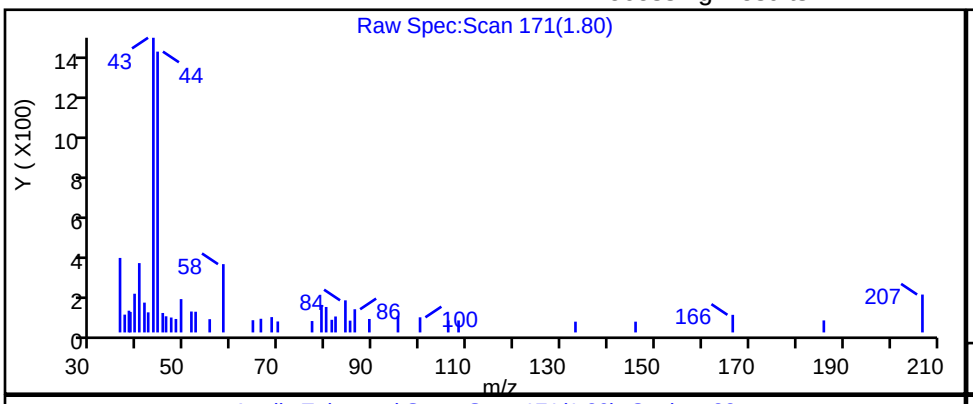
User Disabled Compound Report

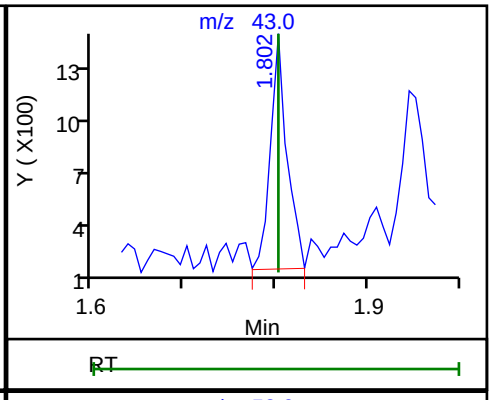
Eurofins TestAmerica, Edison

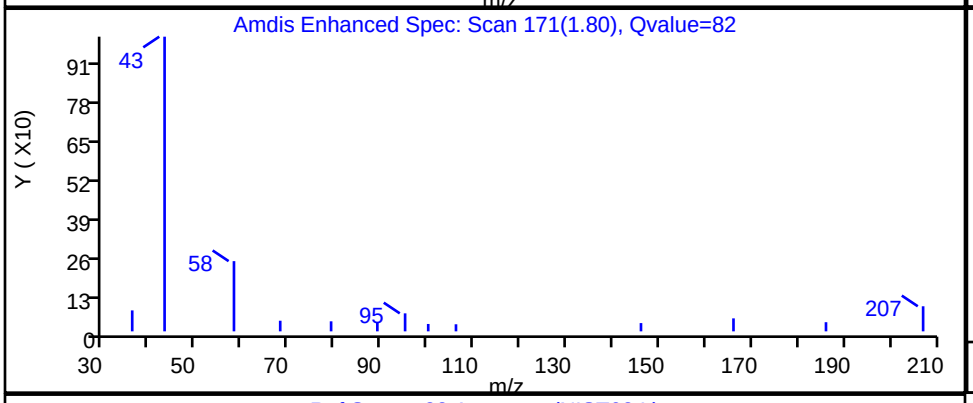
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

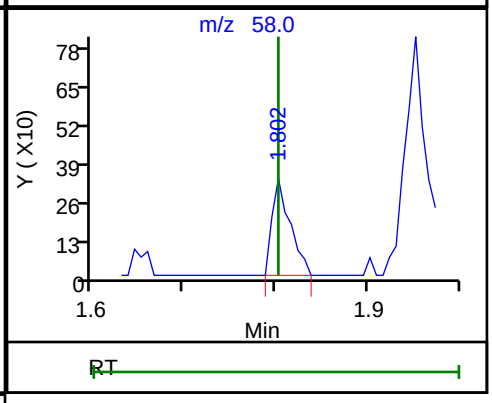
28 Acetone, CAS: 67-64-1

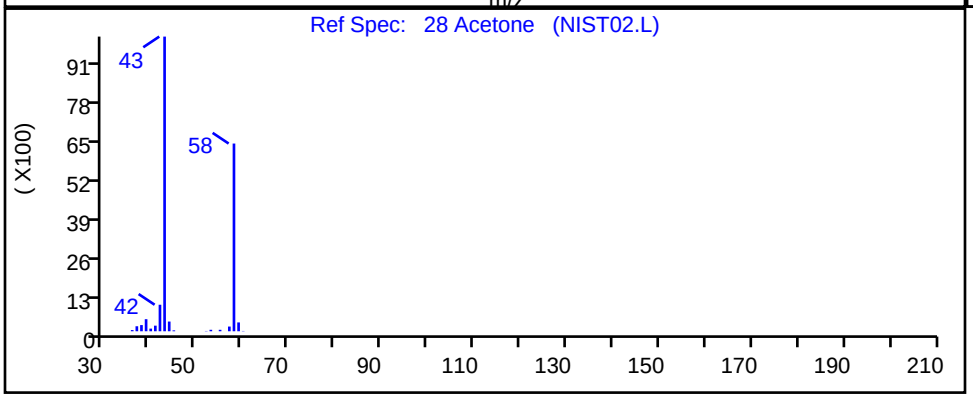
Processing Results











RT	Mass	Response	Amount
1.80	43.00	1589	1.023926
1.80	58.00	453	

Reviewer: desais, 23-Aug-2019 09:38:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

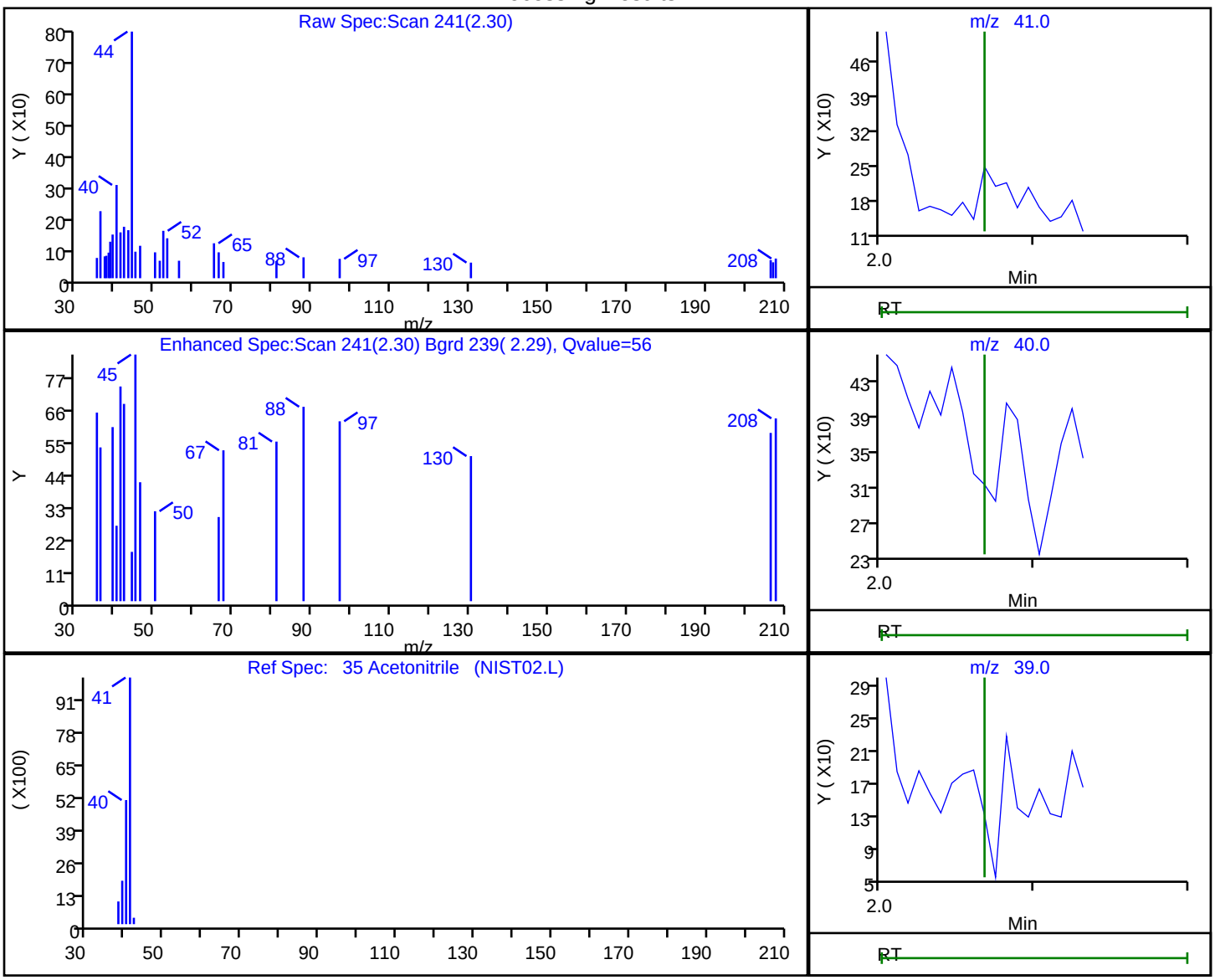
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

35 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.30	41.00	62	-0.630373
2.31	40.00	112	
2.32	39.00	165	
2.30	38.00	78	

Reviewer: desais, 23-Aug-2019 09:38:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

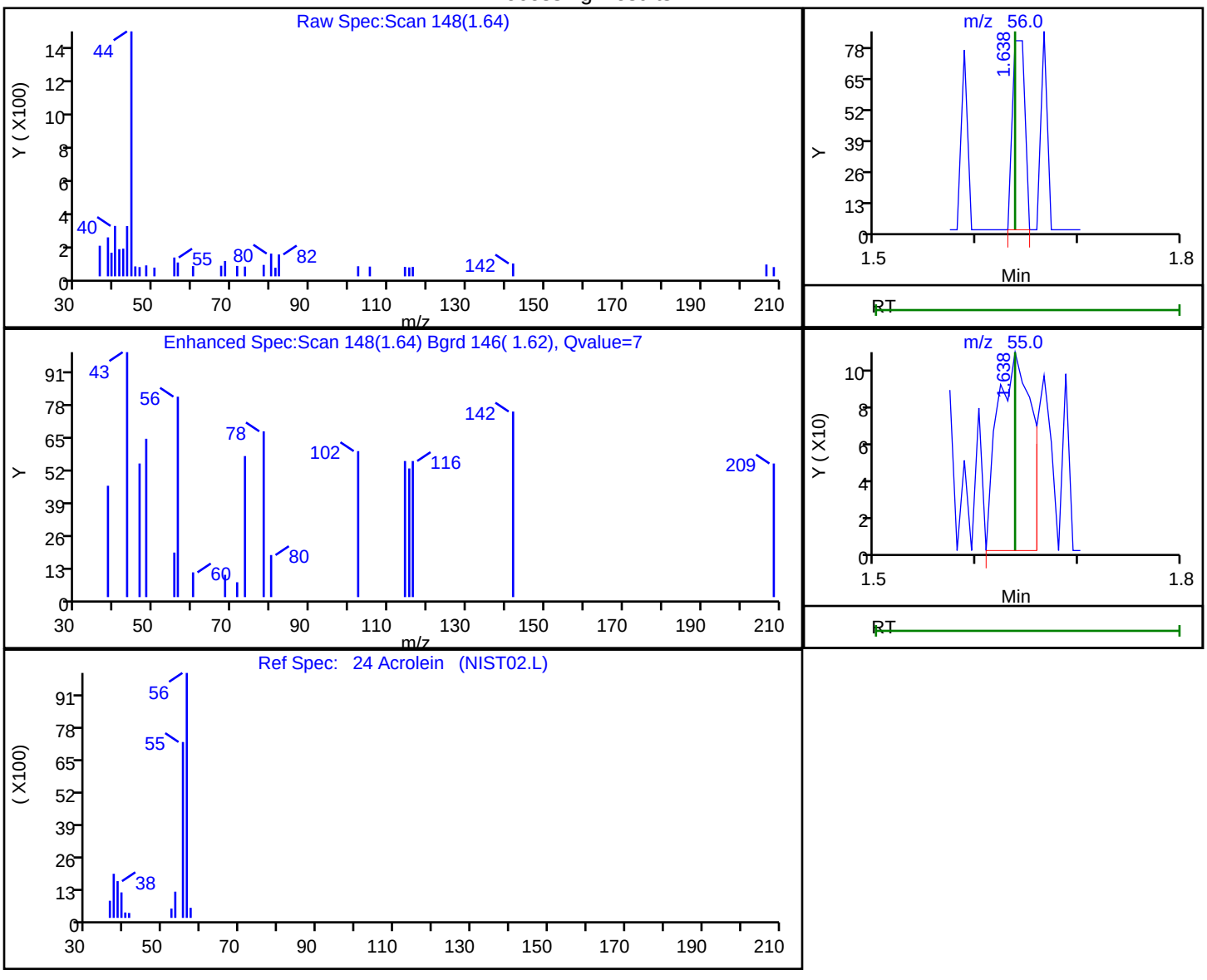
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
1.64	56.00	70	0.212956
1.64	55.00	257	

Reviewer: desais, 23-Aug-2019 09:37:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

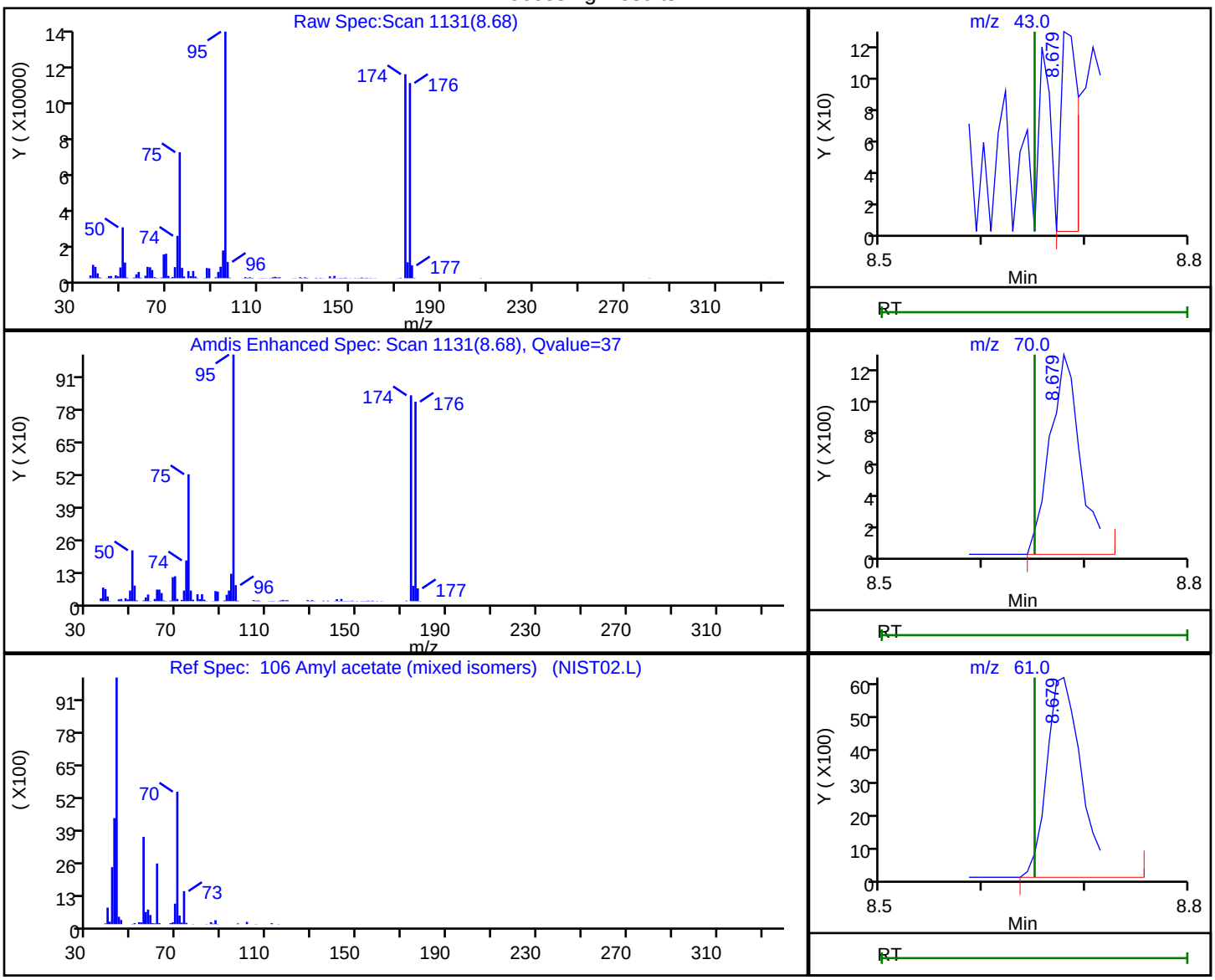
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

106 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results



RT	Mass	Response	Amount
8.68	43.00	146	0.021652
8.68	70.00	2639	
8.68	61.00	14927	

Reviewer: desais, 23-Aug-2019 09:40:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

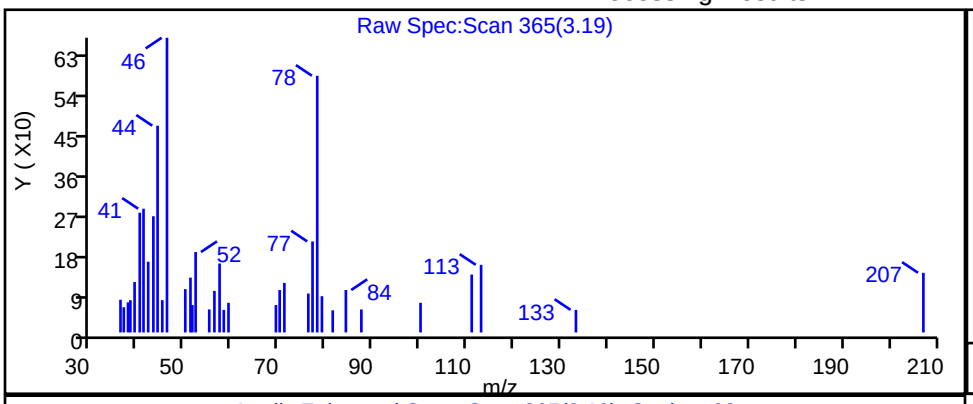
User Disabled Compound Report

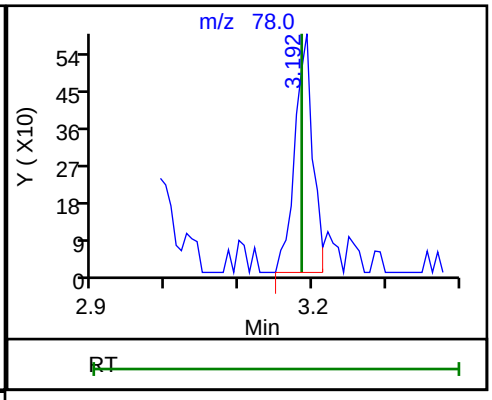
Eurofins TestAmerica, Edison

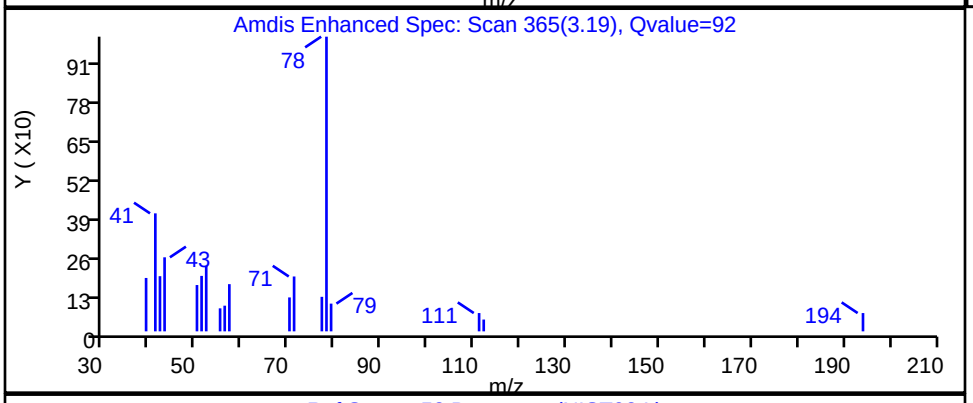
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

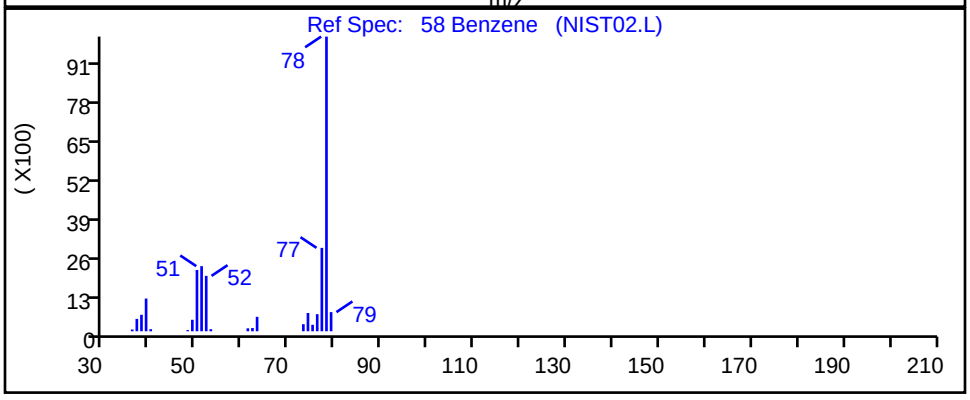
58 Benzene, CAS: 71-43-2

Processing Results









RT	Mass	Response	Amount
3.19	78.00	985	0.056612

Reviewer: desais, 23-Aug-2019 09:38:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

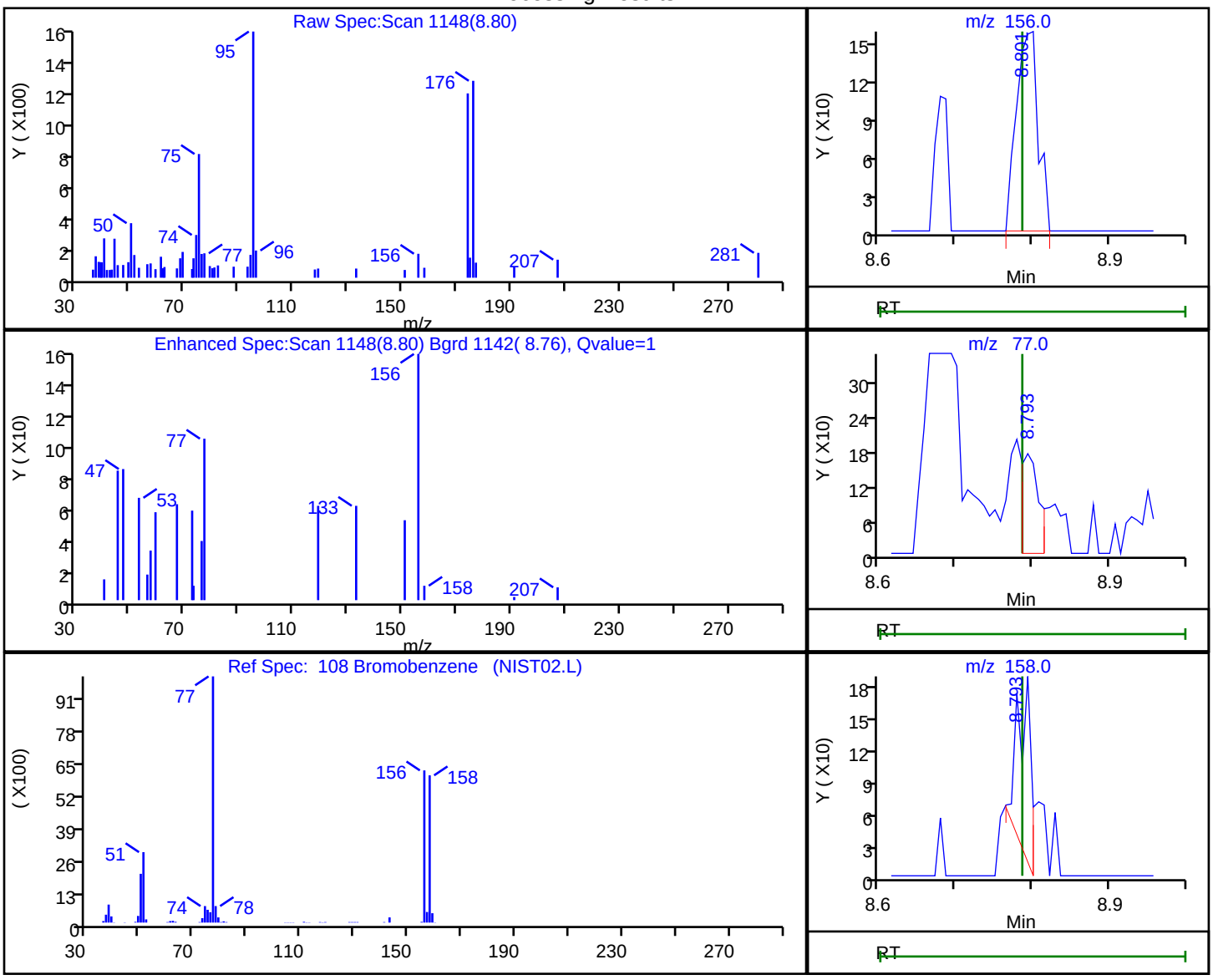
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

108 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
8.80	156.00	306	0.063826
8.79	77.00	281	
8.79	158.00	199	

Reviewer: desais, 23-Aug-2019 09:40:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

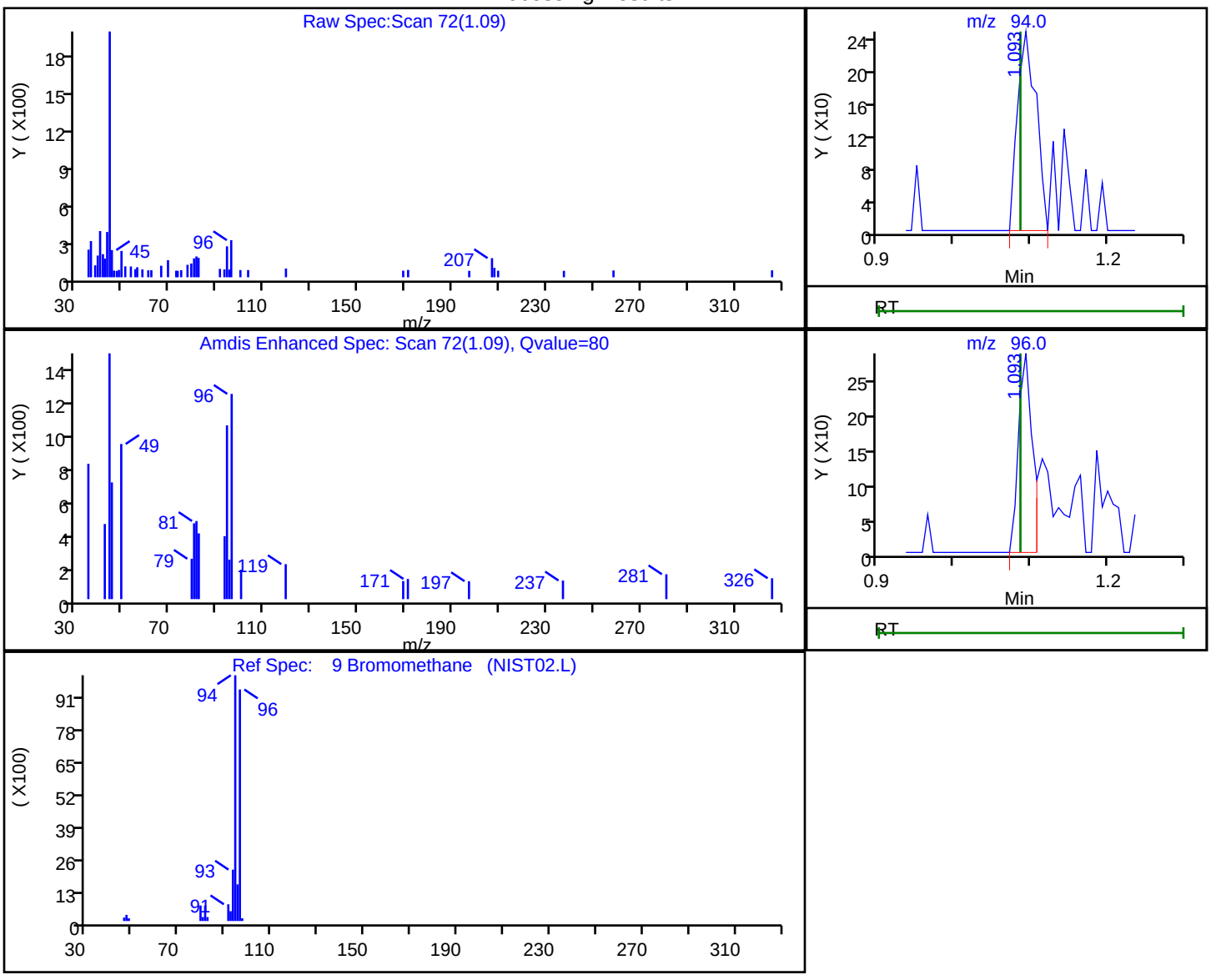
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.09	94.00	408	0.077850
1.09	96.00	370	

Reviewer: desais, 23-Aug-2019 09:37:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

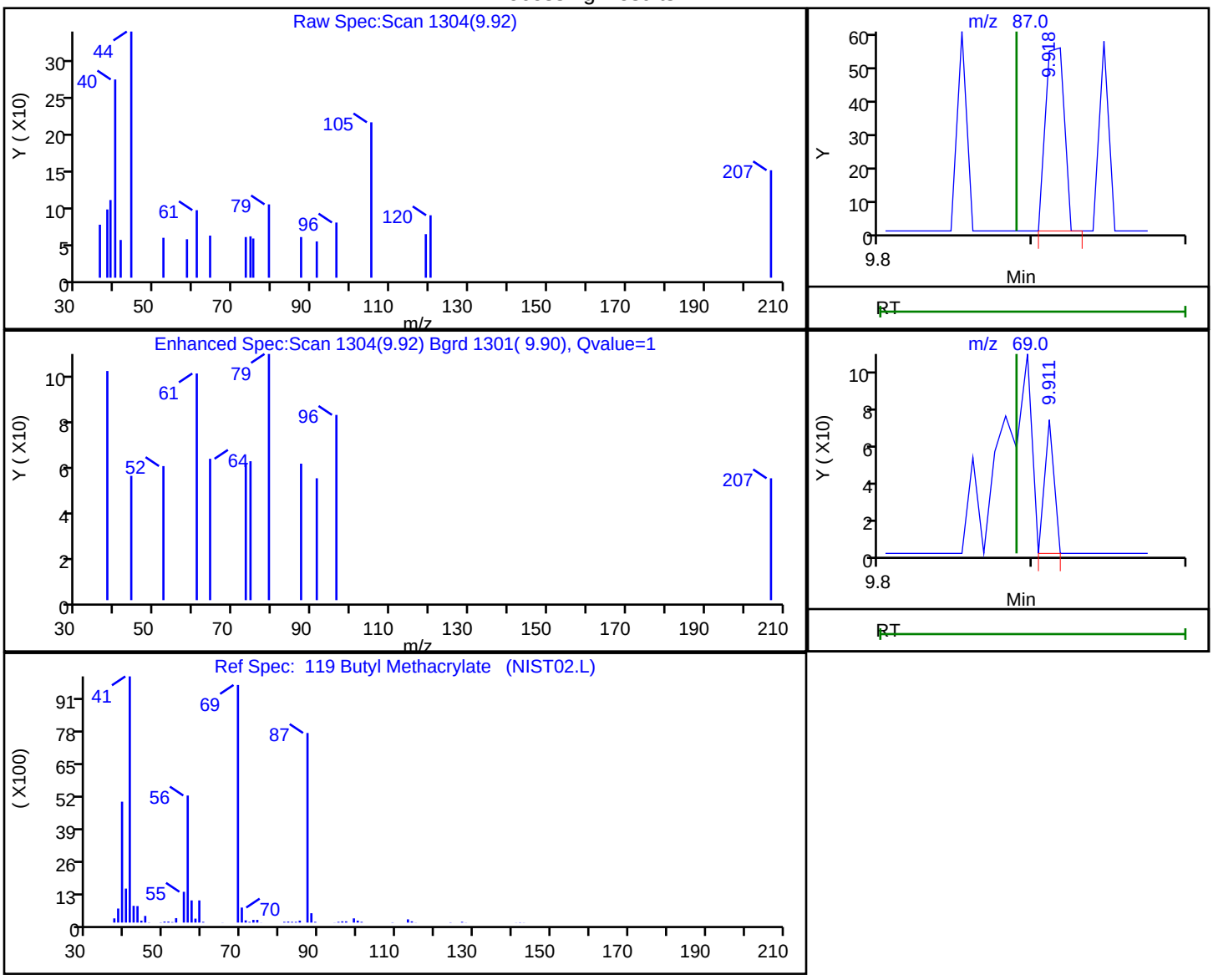
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
9.92	87.00	48	0.008435
9.91	69.00	30	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

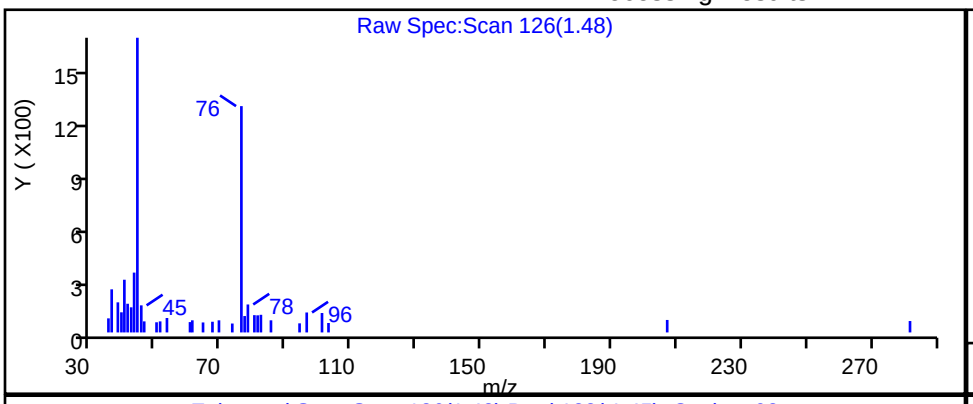
User Disabled Compound Report

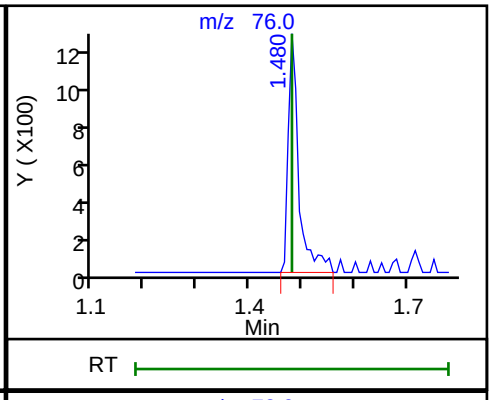
Eurofins TestAmerica, Edison

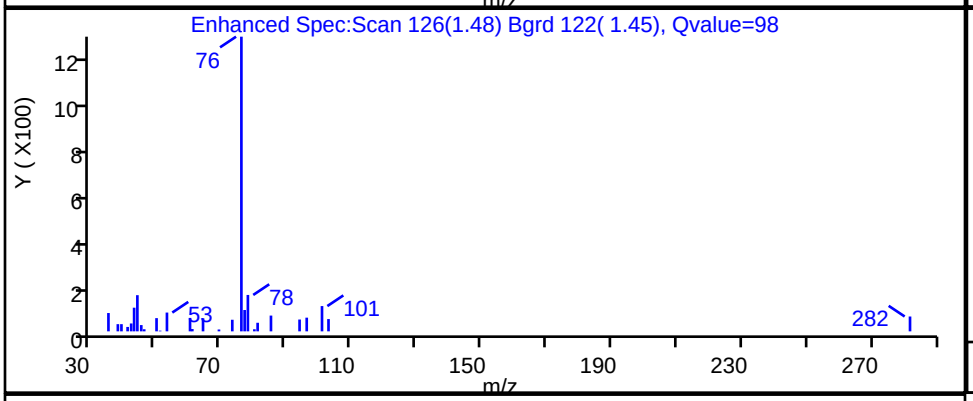
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

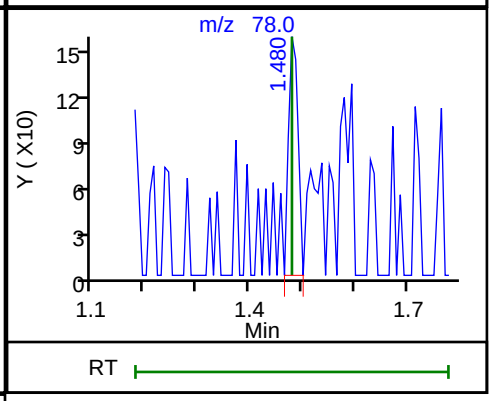
19 Carbon disulfide, CAS: 75-15-0

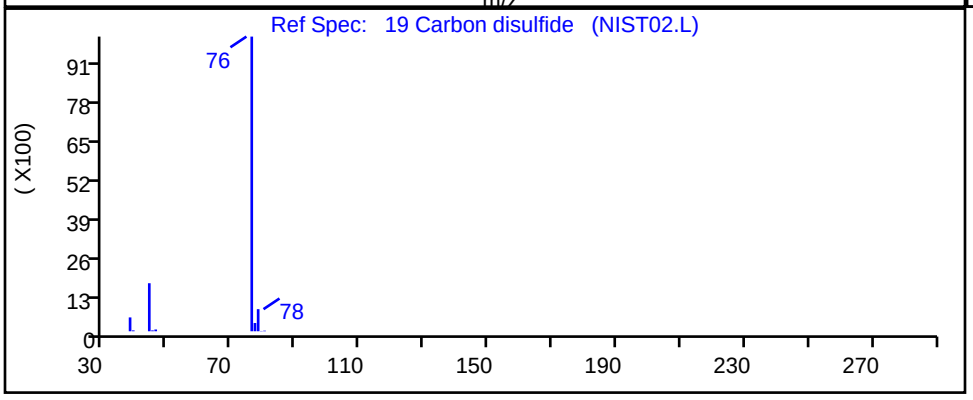
Processing Results











RT	Mass	Response	Amount
1.48	76.00	1801	0.104344
1.48	78.00	197	

Reviewer: desais, 23-Aug-2019 09:37:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

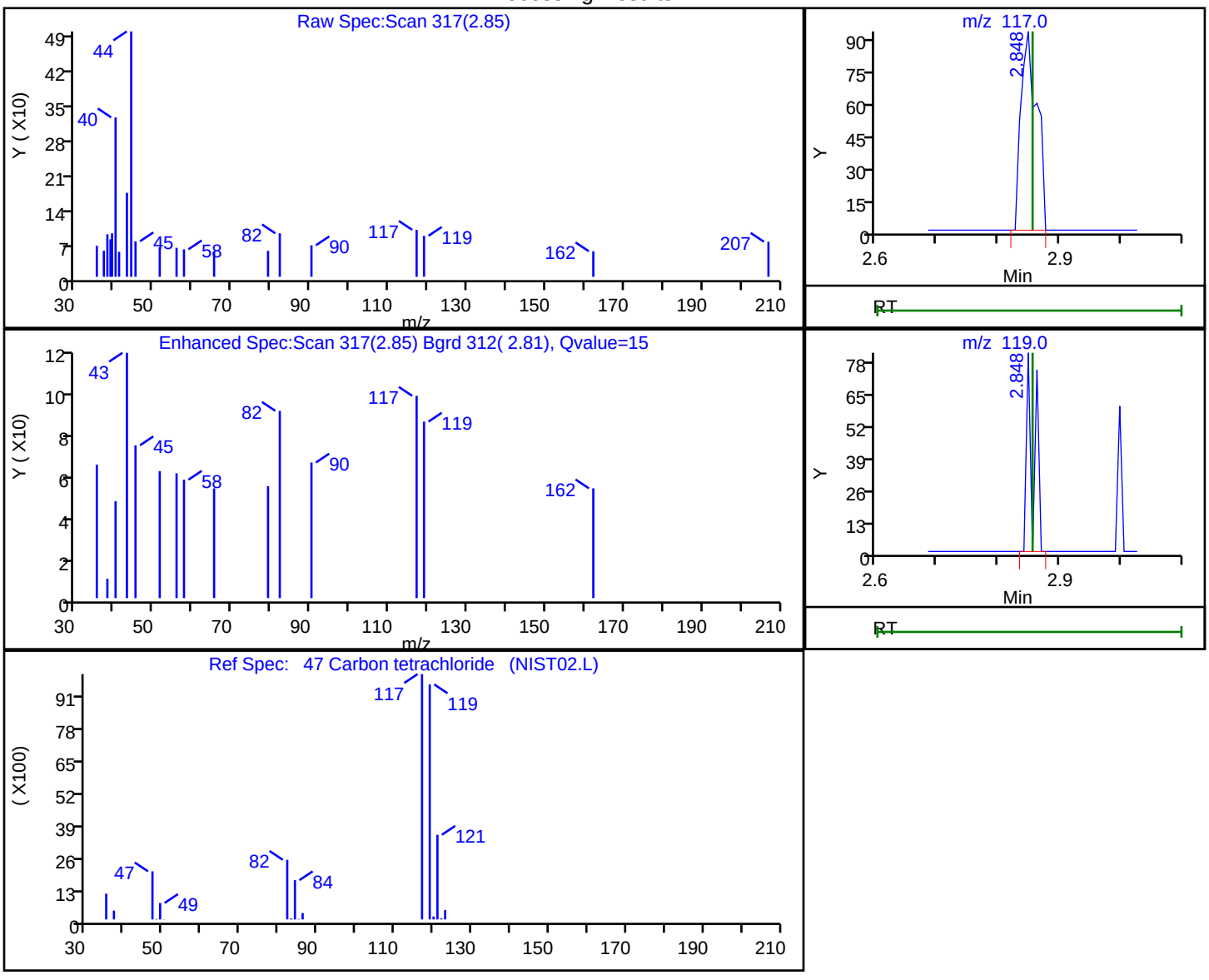
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

47 Carbon tetrachloride, CAS: 56-23-5

Processing Results



RT	Mass	Response	Amount
2.85	117.00	170	0.026566
2.85	119.00	67	

Reviewer: desais, 23-Aug-2019 09:38:39

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

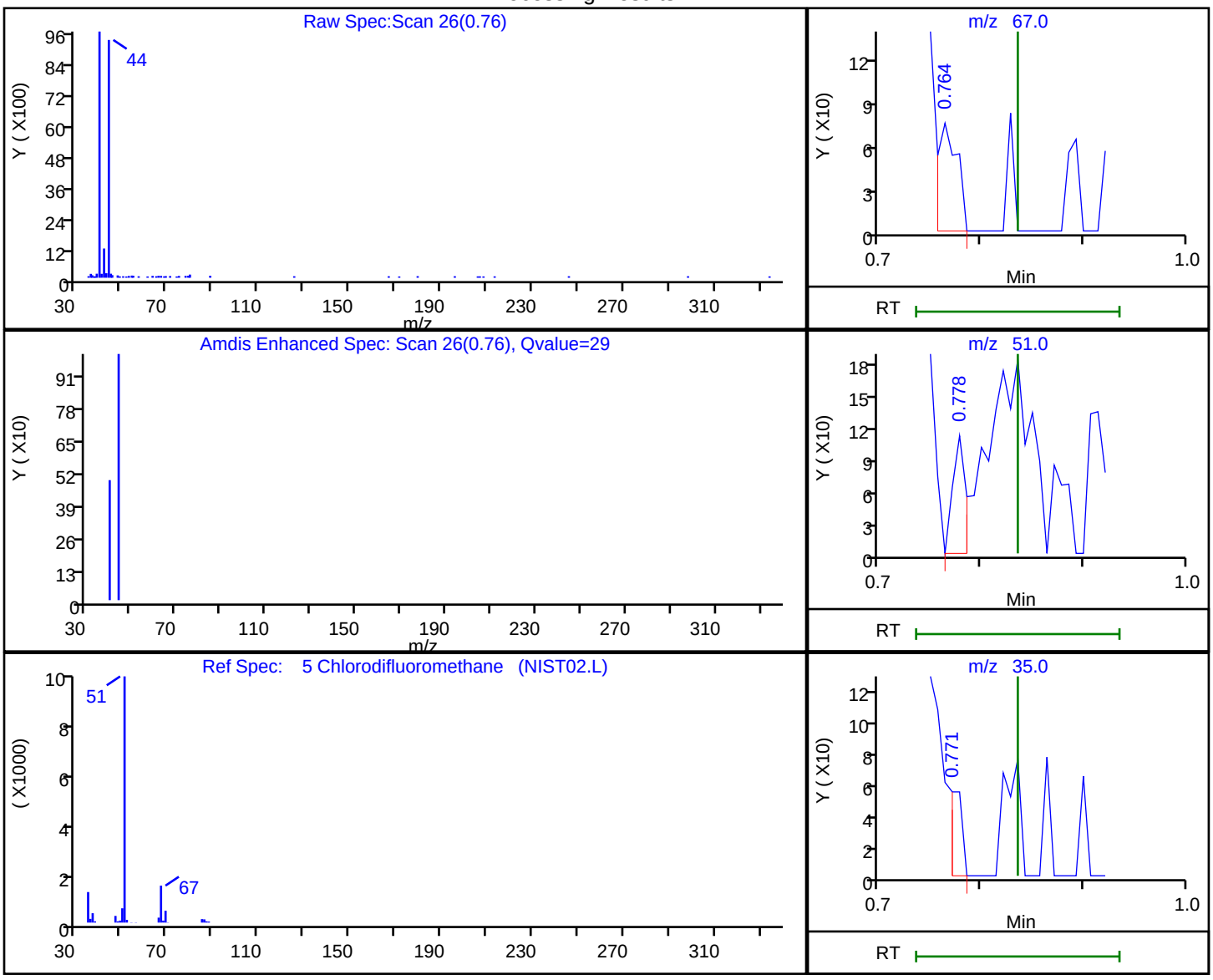
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
0.76	67.00	99	0.100735
0.78	51.00	98	
0.77	35.00	46	

Reviewer: desais, 23-Aug-2019 09:37:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

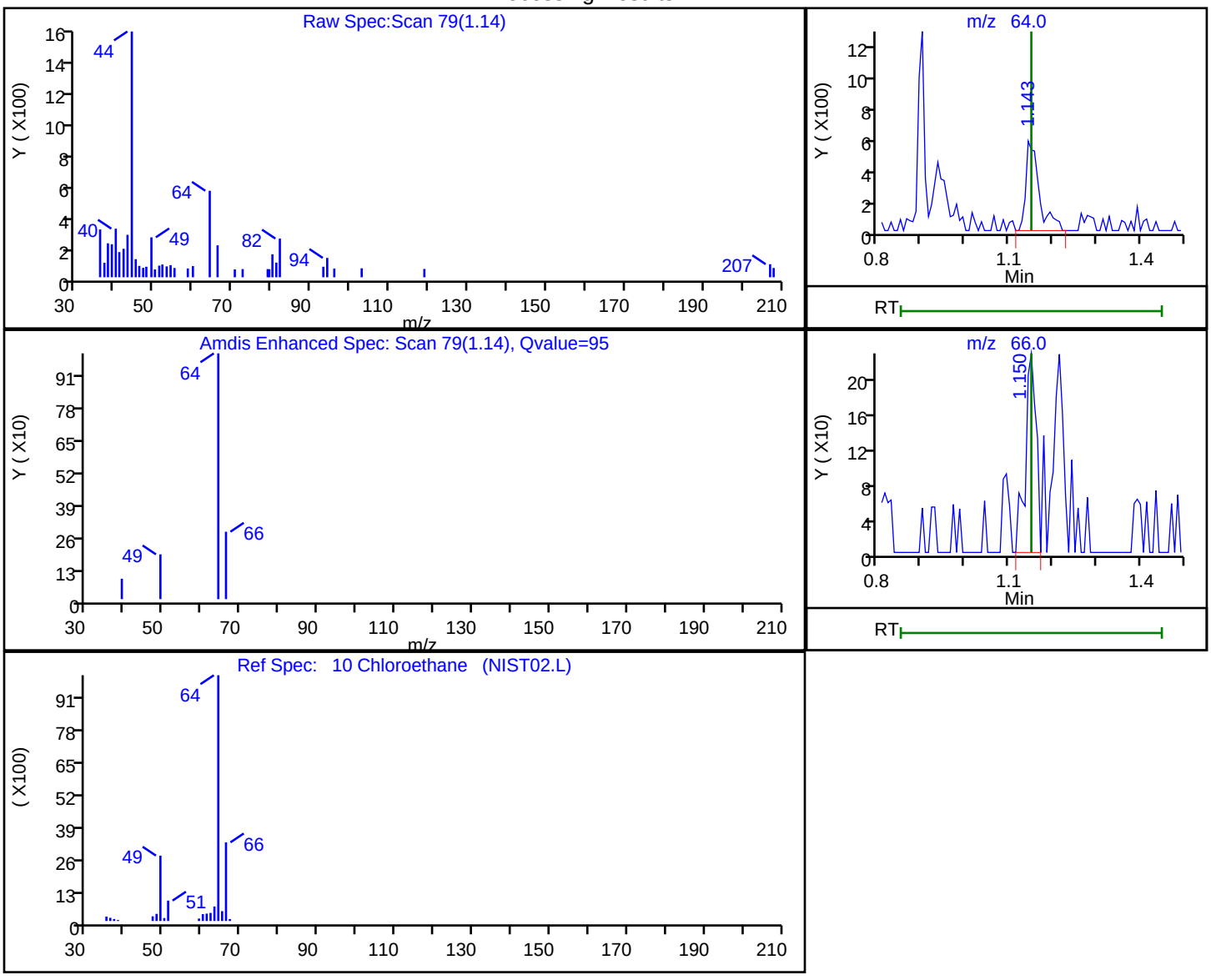
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.14	64.00	1171	0.198452
1.15	66.00	392	

Reviewer: desais, 23-Aug-2019 09:37:36

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

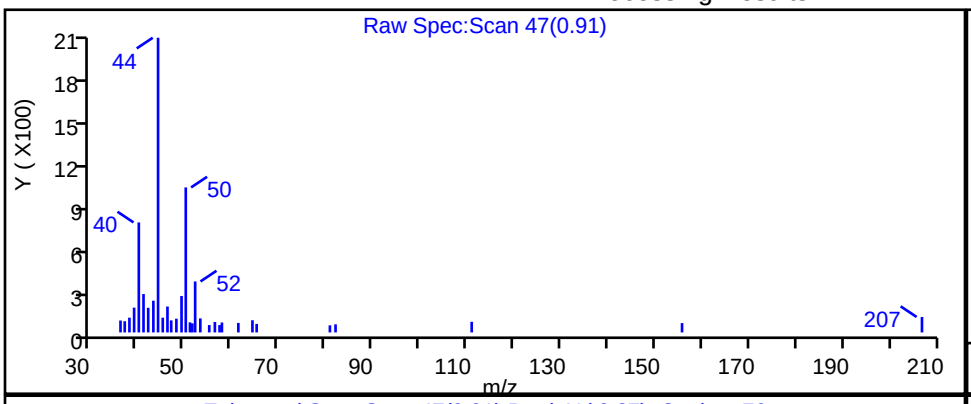
User Disabled Compound Report

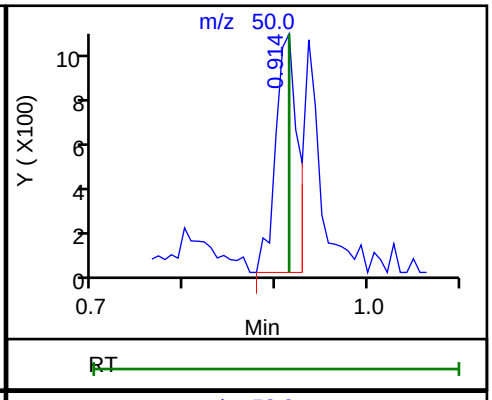
Eurofins TestAmerica, Edison

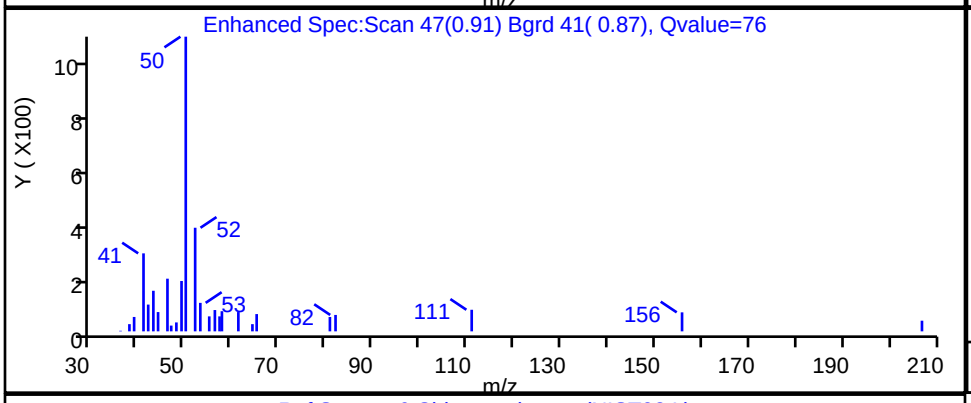
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

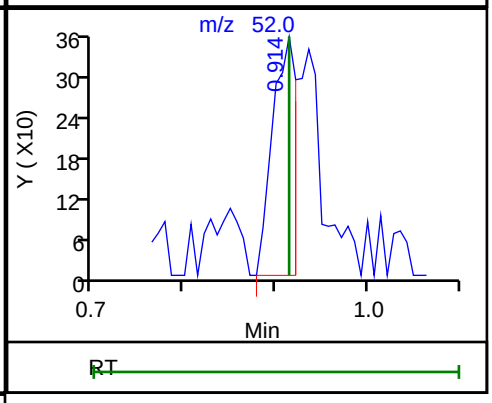
6 Chloromethane, CAS: 74-87-3

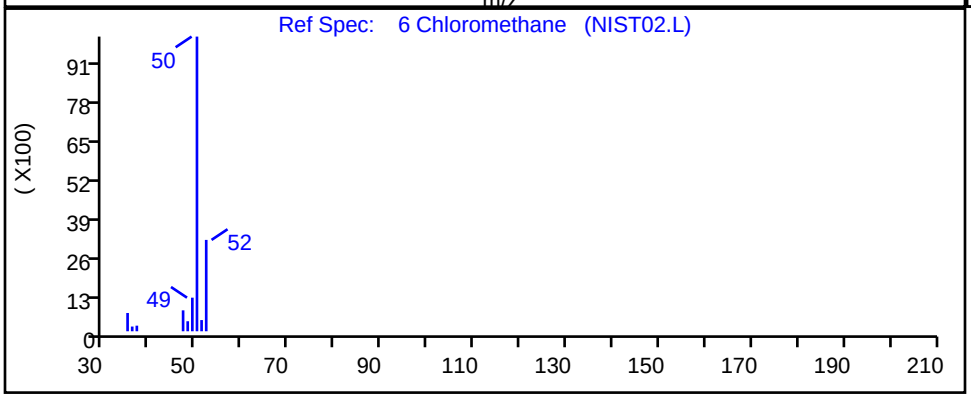
Processing Results











RT	Mass	Response	Amount
0.91	50.00	1694	0.338955
0.91	52.00	645	

Reviewer: desais, 23-Aug-2019 09:37:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

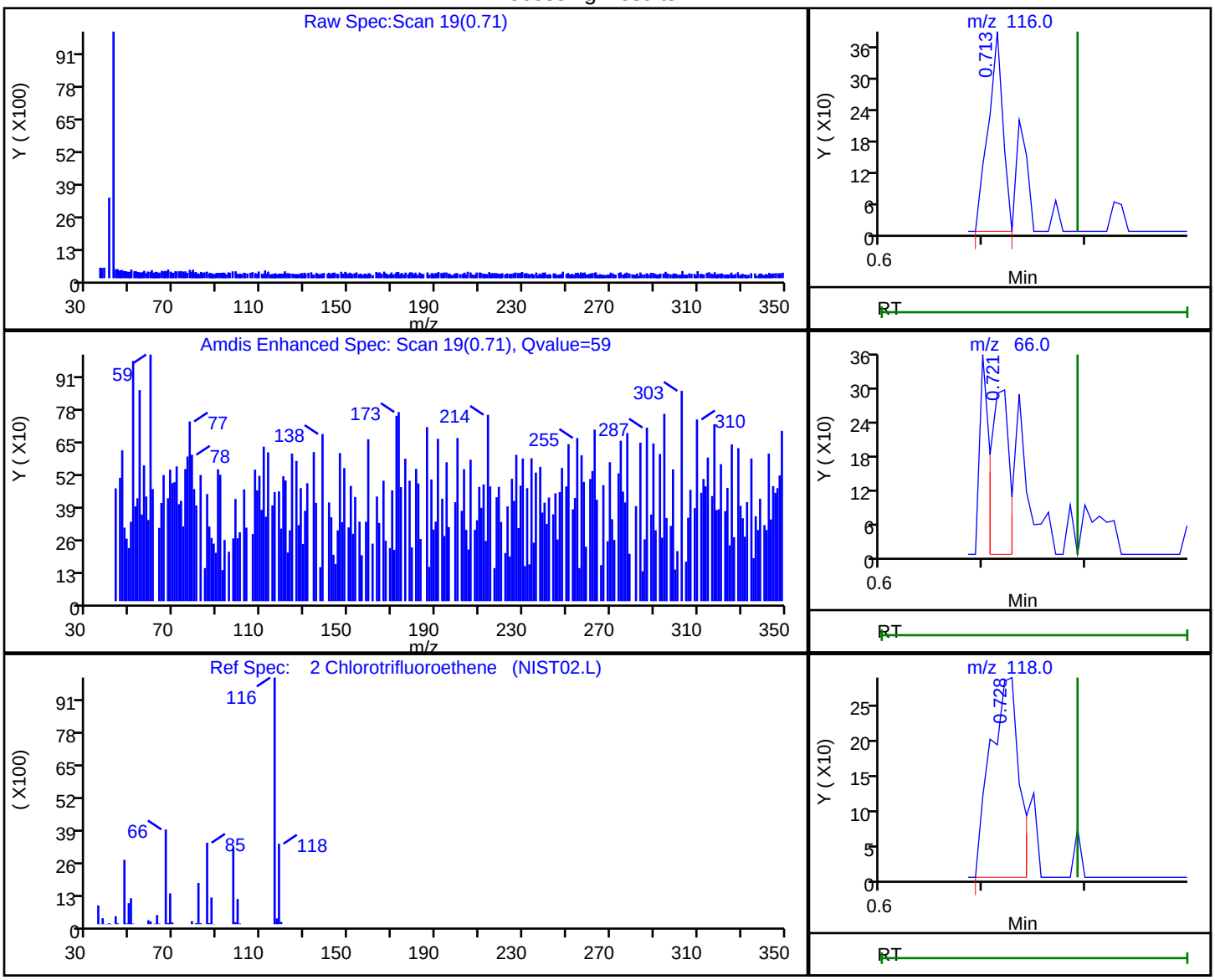
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
0.71	116.00	386	0.170623
0.72	66.00	370	
0.73	118.00	547	

Reviewer: desais, 23-Aug-2019 09:37:32

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

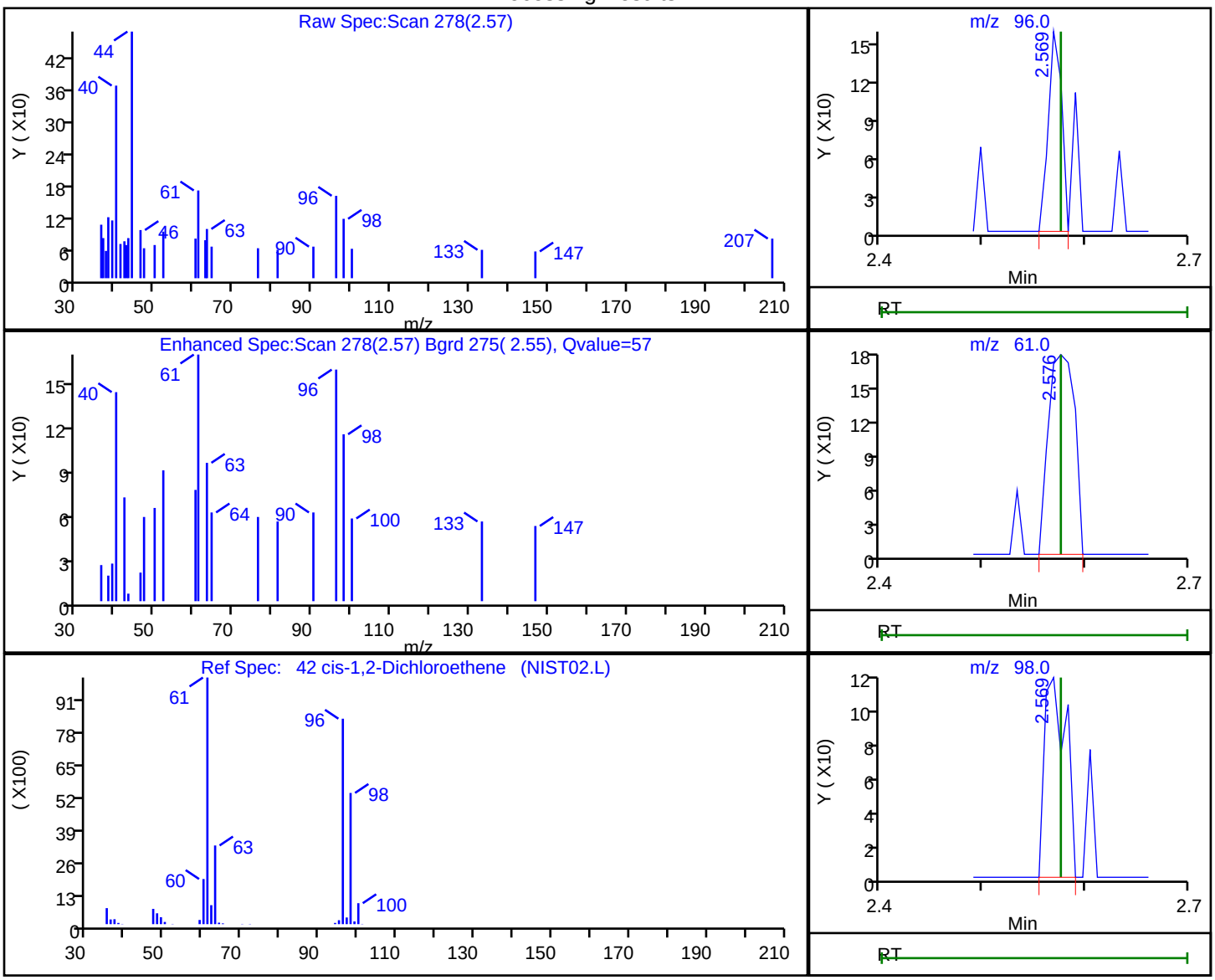
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
2.57	96.00	141	0.031482
2.58	61.00	308	
2.57	98.00	163	

Reviewer: desais, 23-Aug-2019 09:38:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

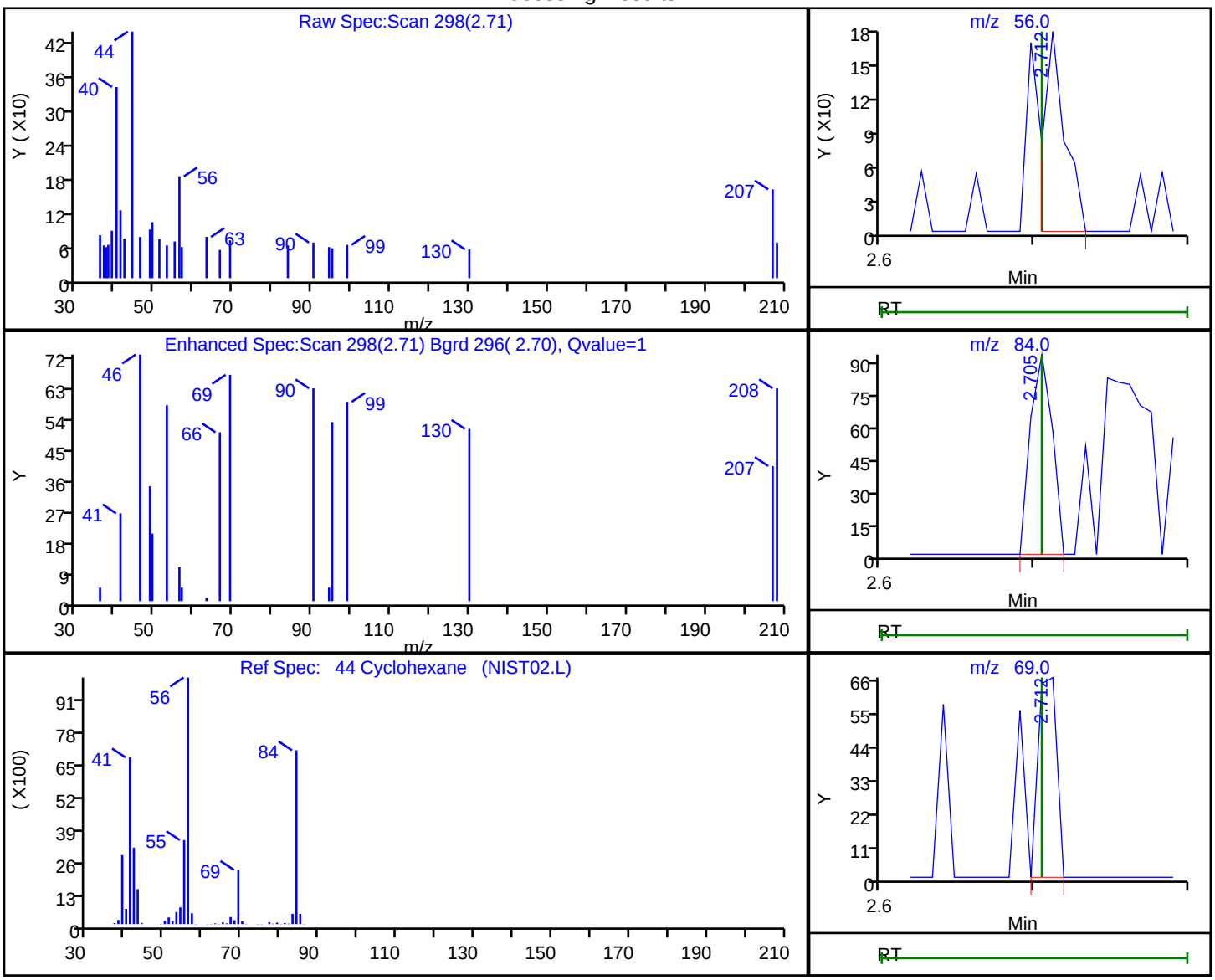
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
2.71	56.00	173	0.028448
2.70	84.00	93	
2.71	69.00	57	

Reviewer: desais, 23-Aug-2019 09:38:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

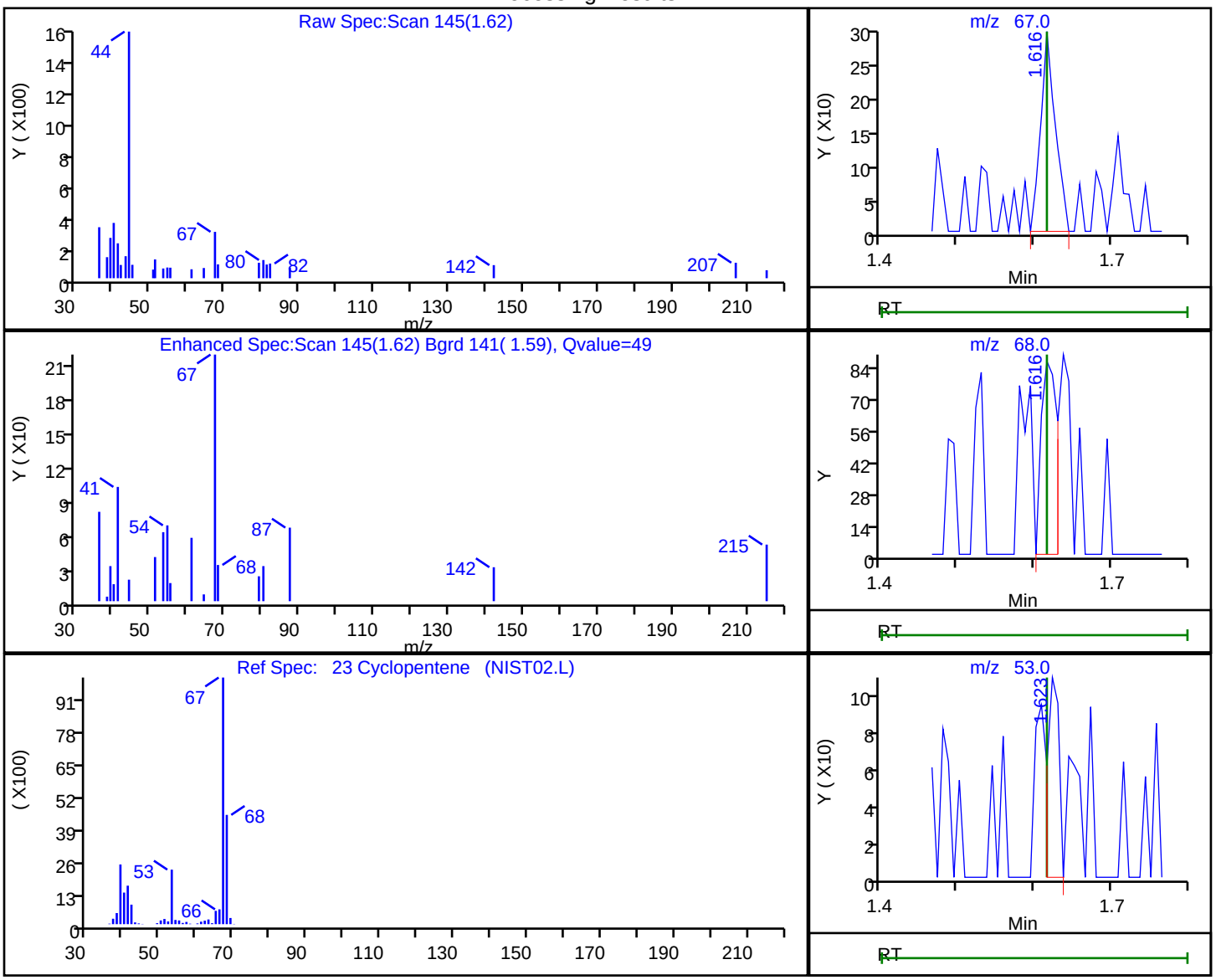
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

23 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
1.62	67.00	389	0.031209
1.62	68.00	125	
1.62	53.00	114	

Reviewer: desais, 23-Aug-2019 09:37:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

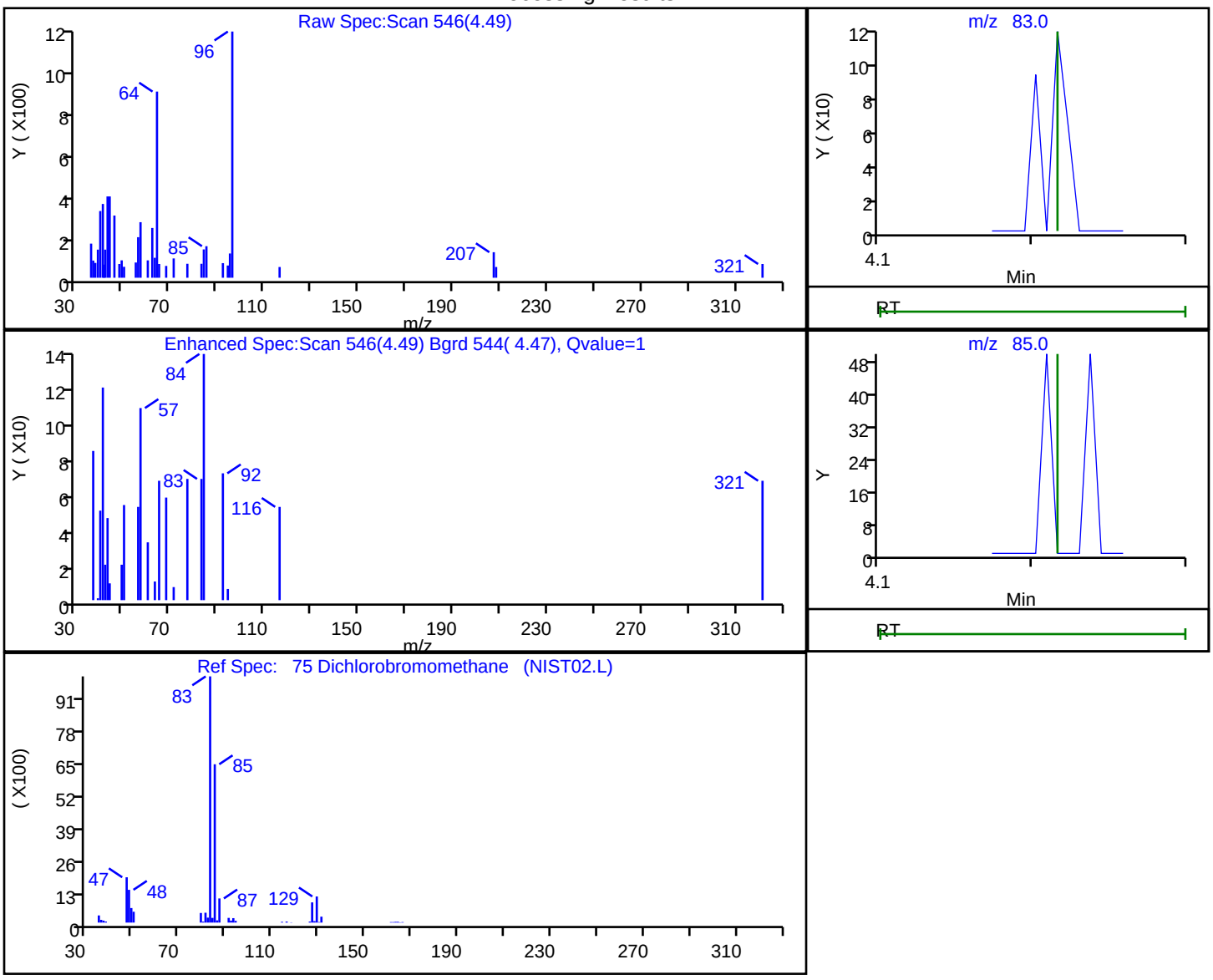
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

75 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
4.49	83.00	28	0.004438
4.50	85.00	335	

Reviewer: desais, 23-Aug-2019 09:39:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

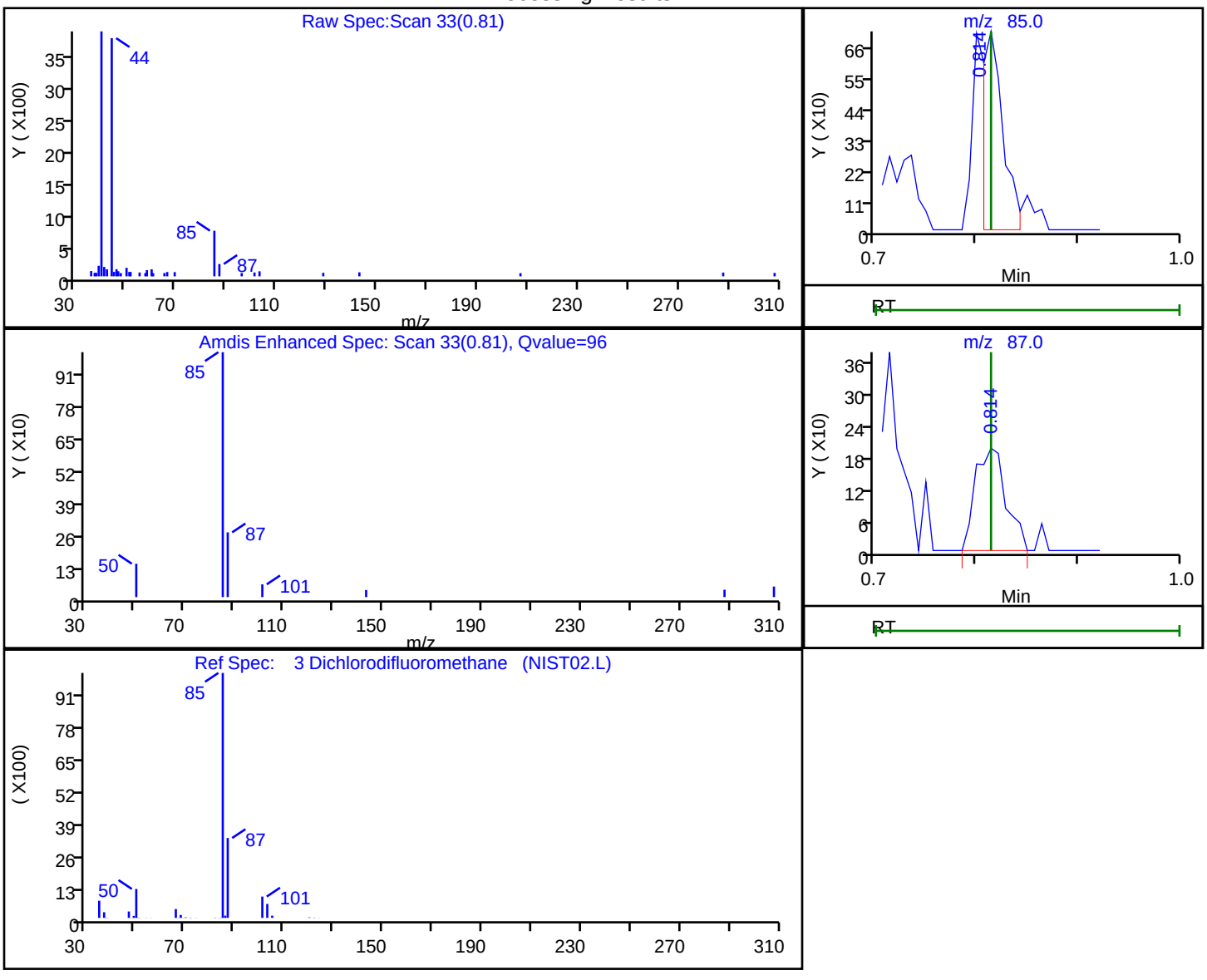
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.81	85.00	1015	0.140572
0.81	87.00	410	

Reviewer: desais, 23-Aug-2019 09:37:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

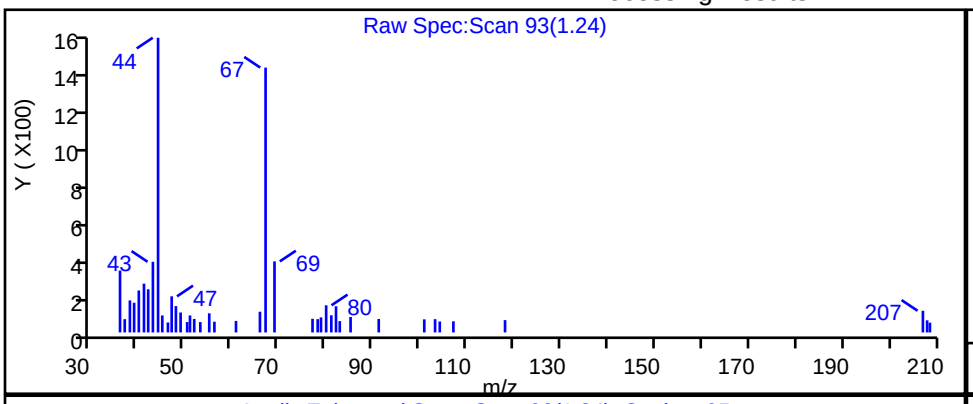
User Disabled Compound Report

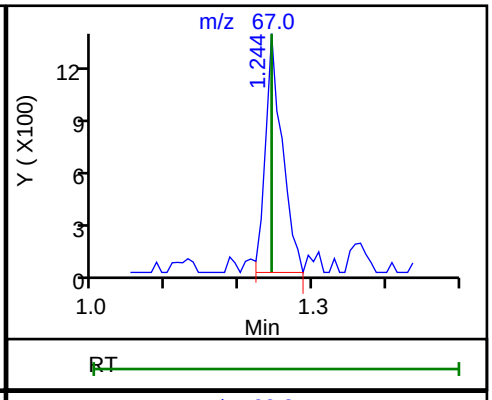
Eurofins TestAmerica, Edison

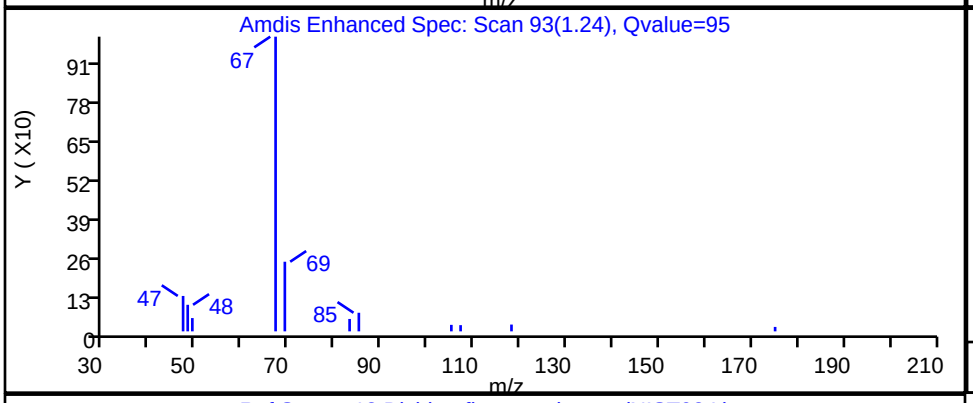
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

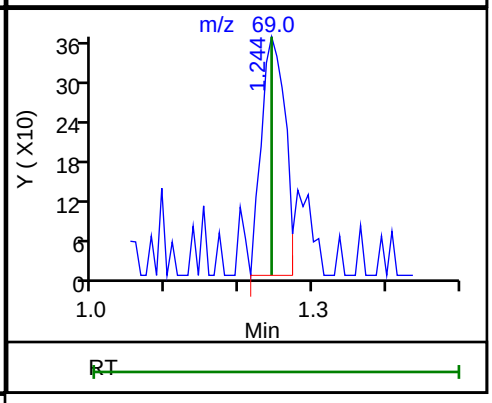
13 Dichlorofluoromethane, CAS: 75-43-4

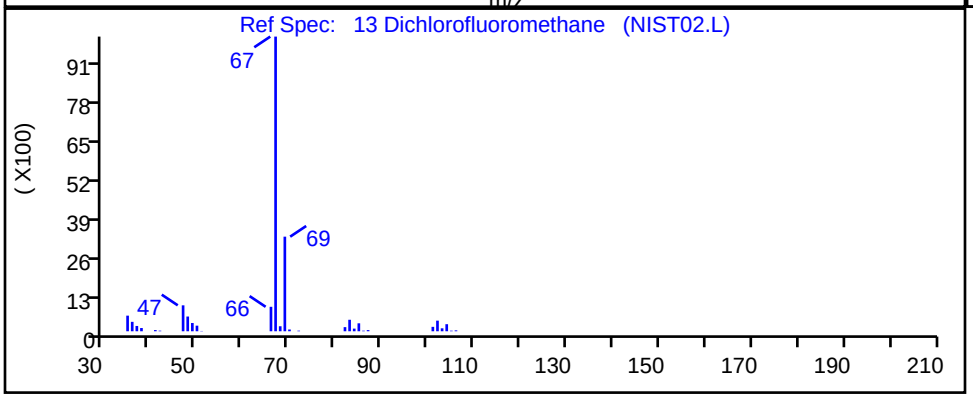
Processing Results











RT	Mass	Response	Amount
1.24	67.00	2157	0.246958
1.24	69.00	820	

Reviewer: desais, 23-Aug-2019 09:37:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

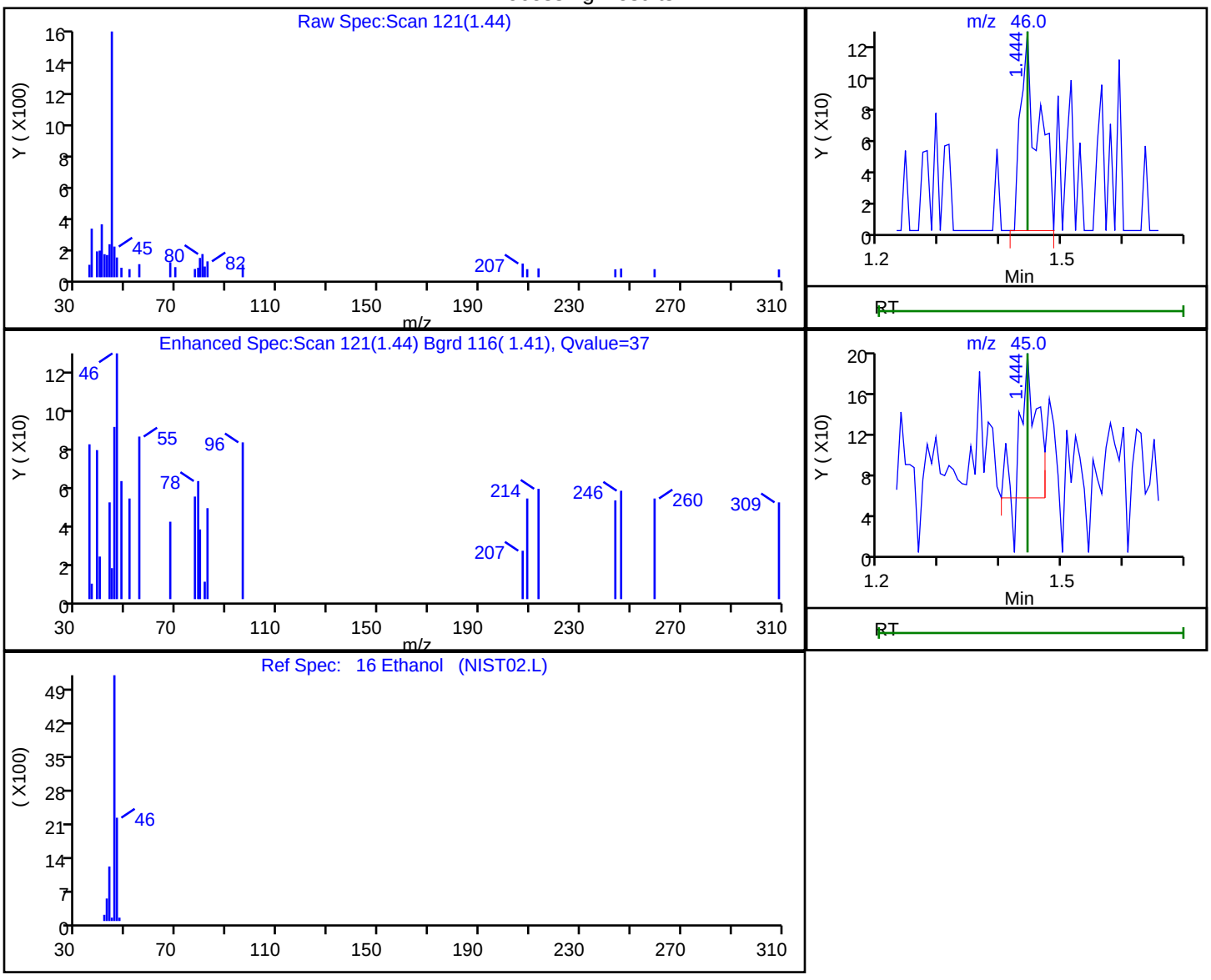
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
1.44	46.00	256	13.169997
1.44	45.00	261	

Reviewer: desais, 23-Aug-2019 09:37:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

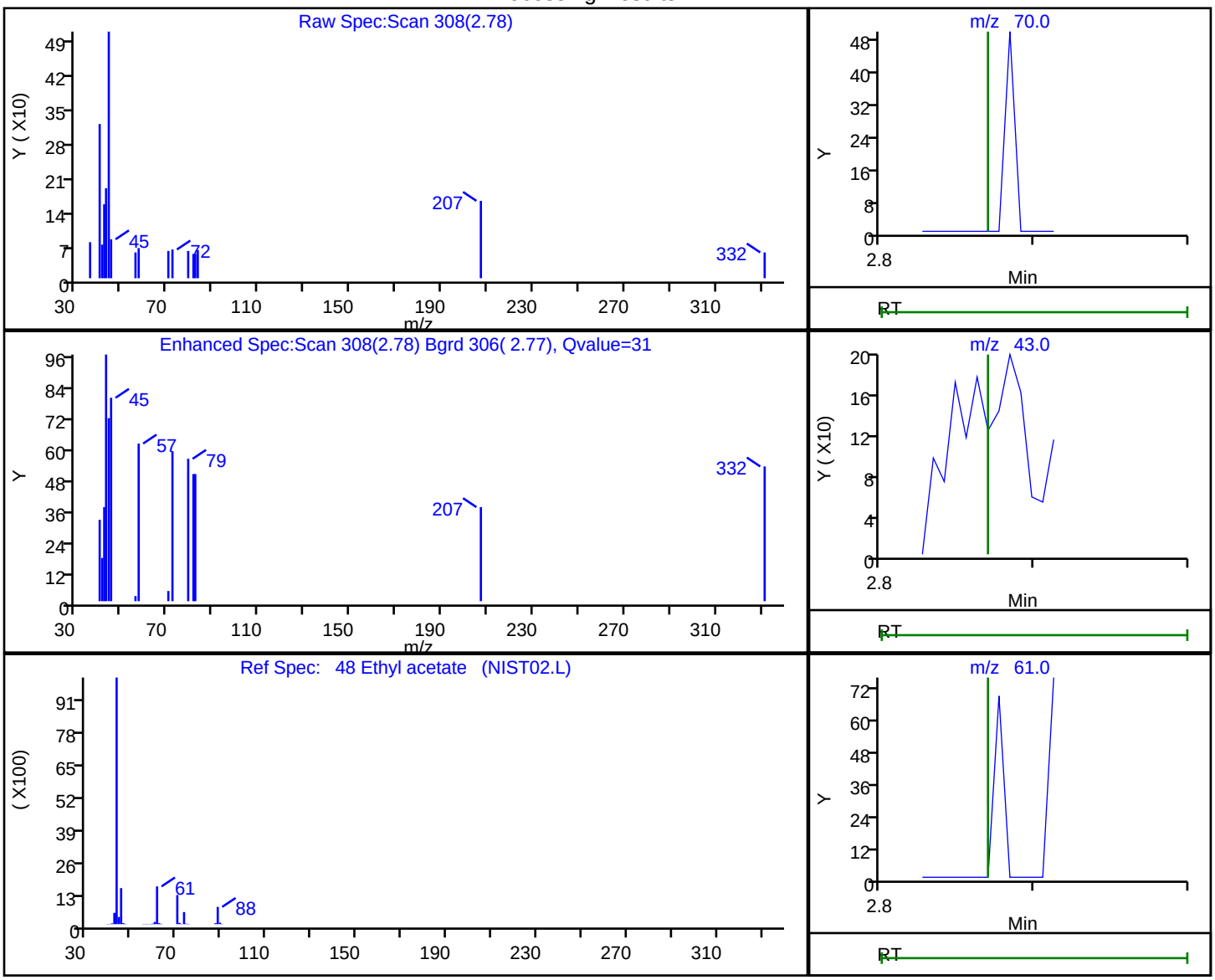
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

48 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
2.78	70.00	46	0.098937
2.78	43.00	319	
2.87	61.00	0	

Reviewer: desais, 23-Aug-2019 09:38:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

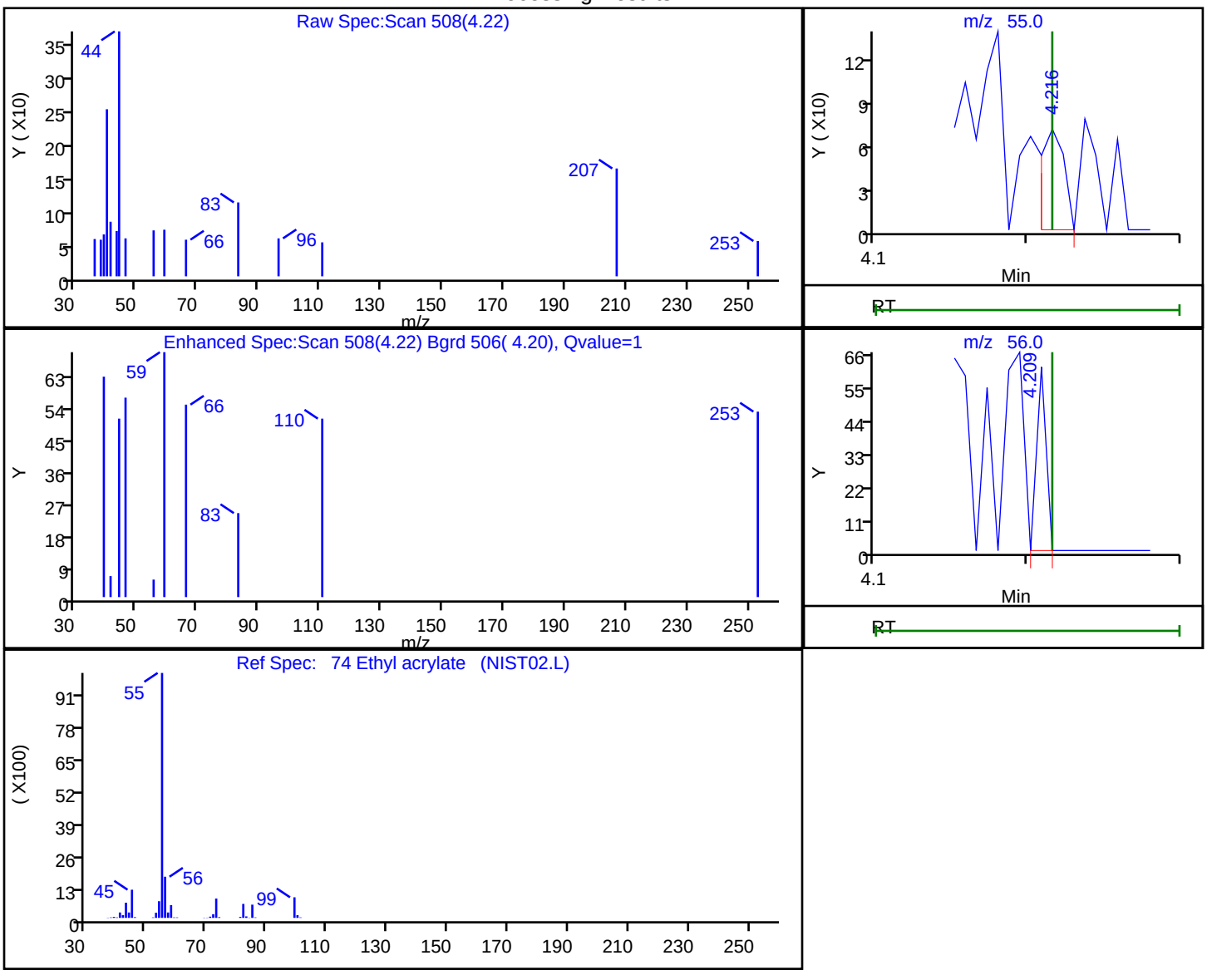
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

74 Ethyl acrylate, CAS: 140-88-5

Processing Results



RT	Mass	Response	Amount
4.22	55.00	74	0.014042
4.21	56.00	27	

Reviewer: desais, 23-Aug-2019 09:39:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

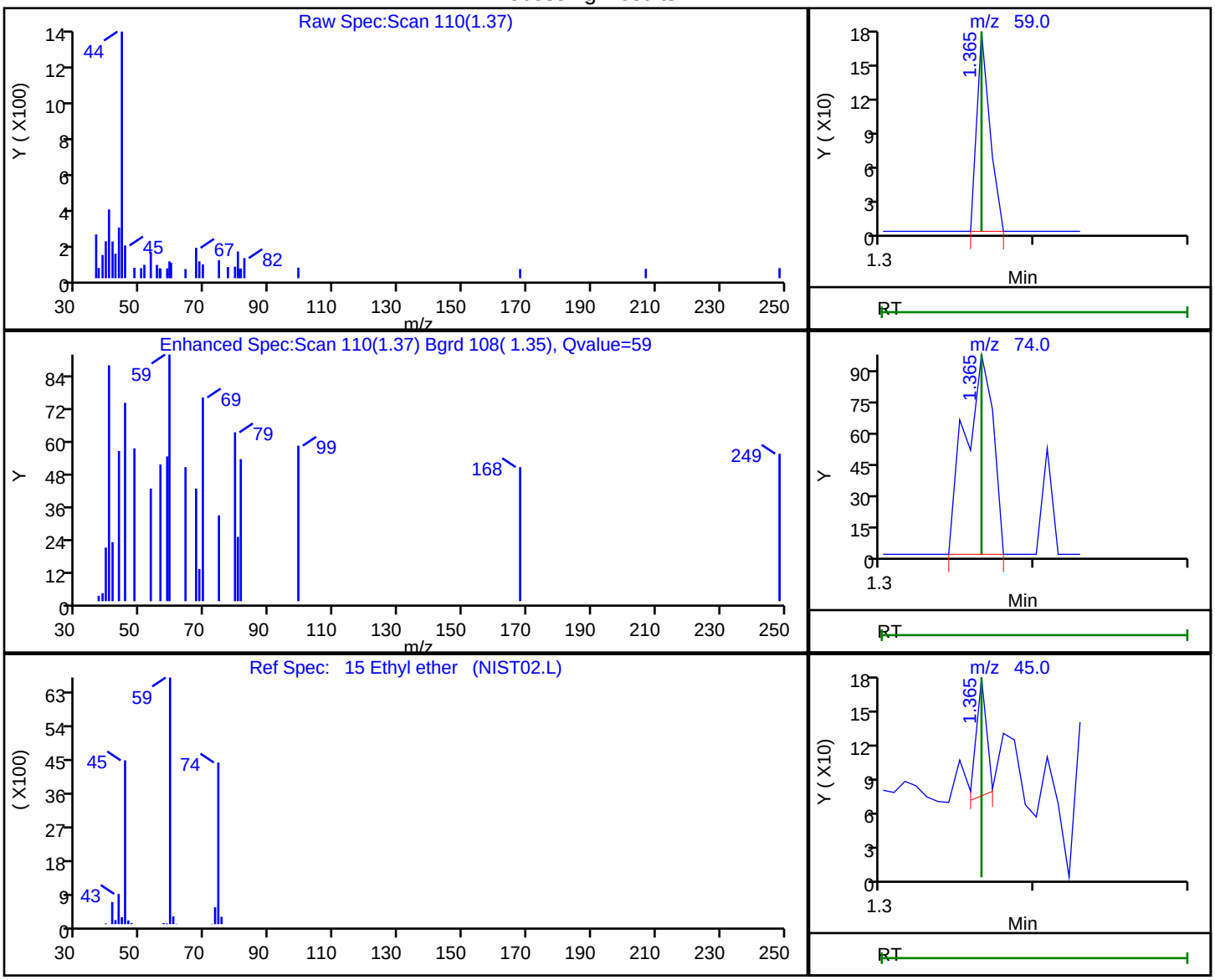
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
1.37	59.00	104	0.023686
1.37	74.00	123	
1.37	45.00	50	

Reviewer: desais, 23-Aug-2019 09:37:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

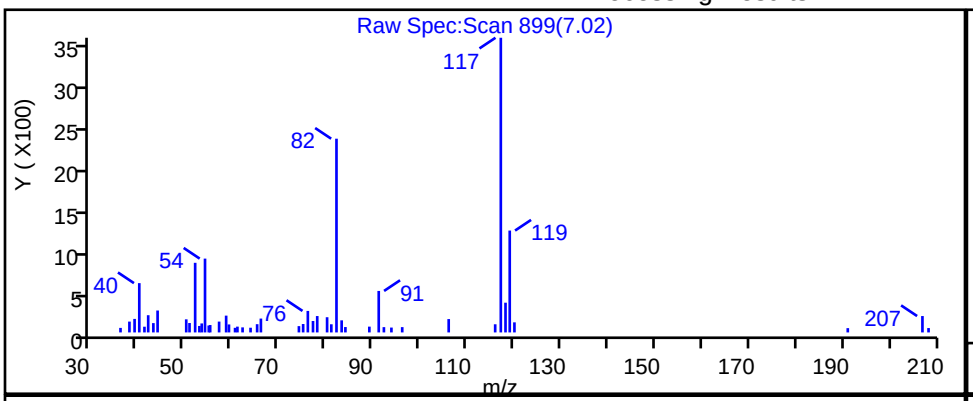
User Disabled Compound Report

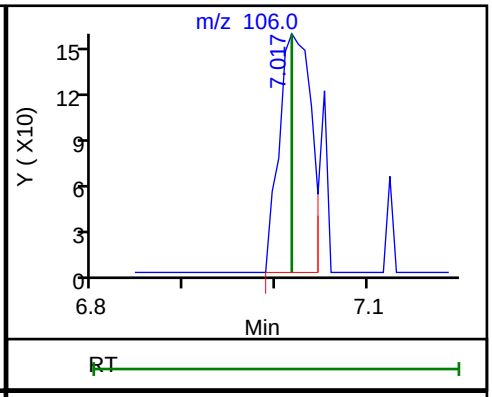
Eurofins TestAmerica, Edison

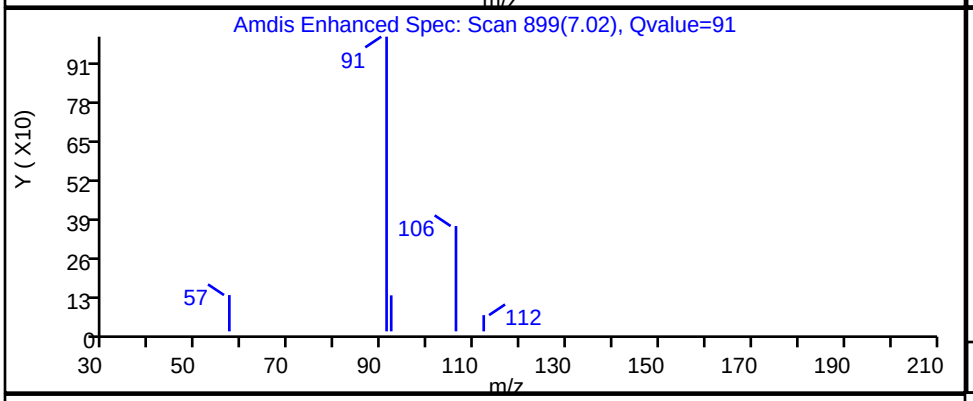
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

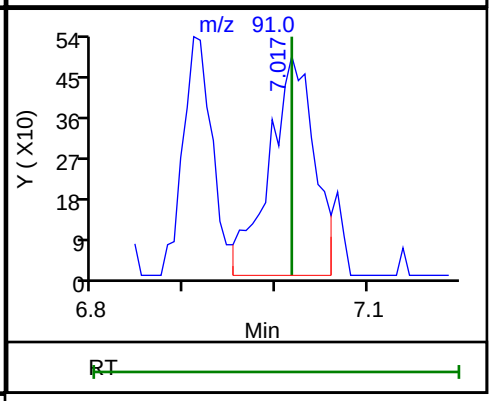
98 Ethylbenzene, CAS: 100-41-4

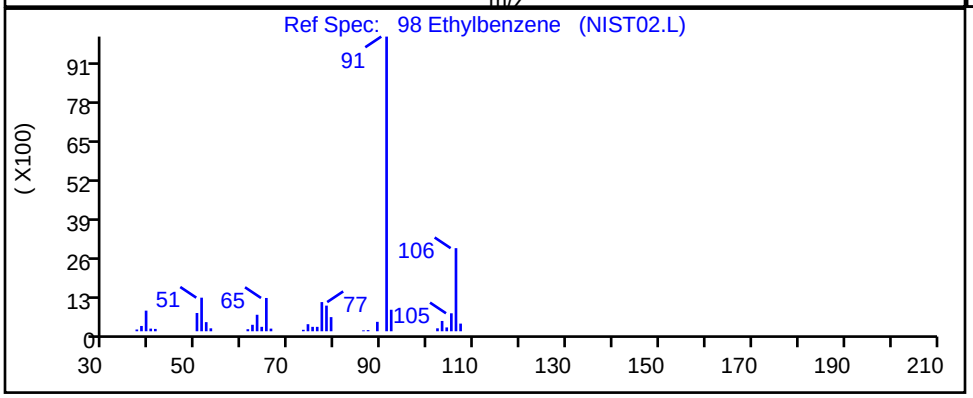
Processing Results











RT	Mass	Response	Amount
7.02	106.00	386	0.062011
7.02	91.00	1714	

Reviewer: desais, 23-Aug-2019 09:39:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

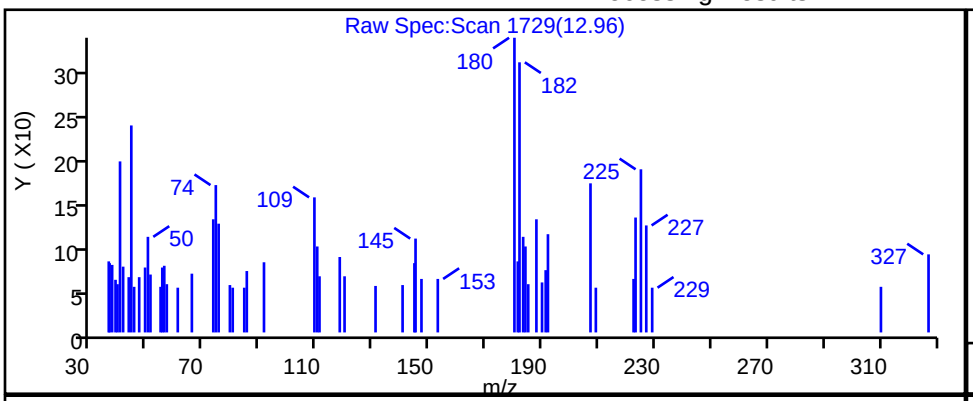
User Disabled Compound Report

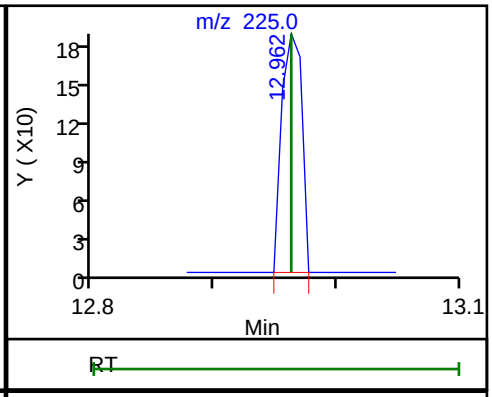
Eurofins TestAmerica, Edison

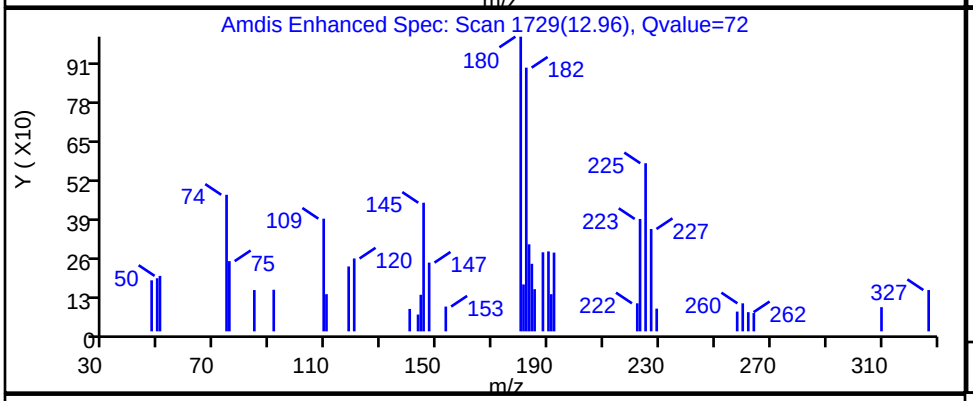
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

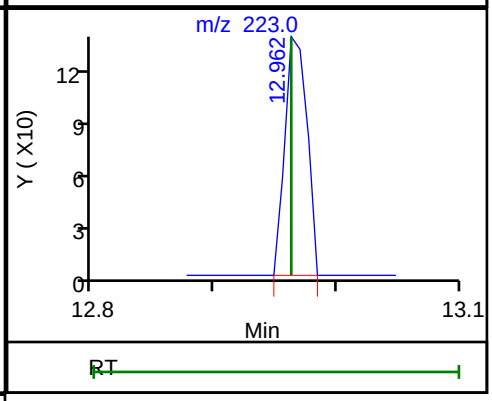
135 Hexachlorobutadiene, CAS: 87-68-3

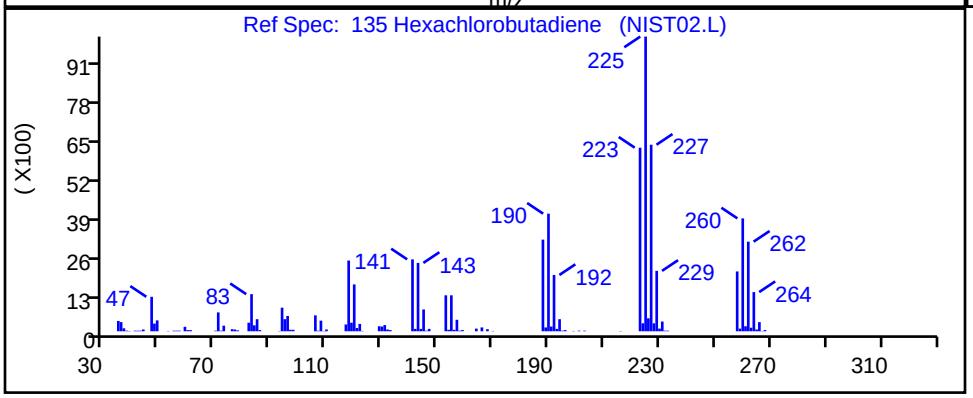
Processing Results











RT	Mass	Response	Amount
12.96	225.00	214	0.111447
12.96	223.00	165	

Reviewer: desais, 23-Aug-2019 09:40:52

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

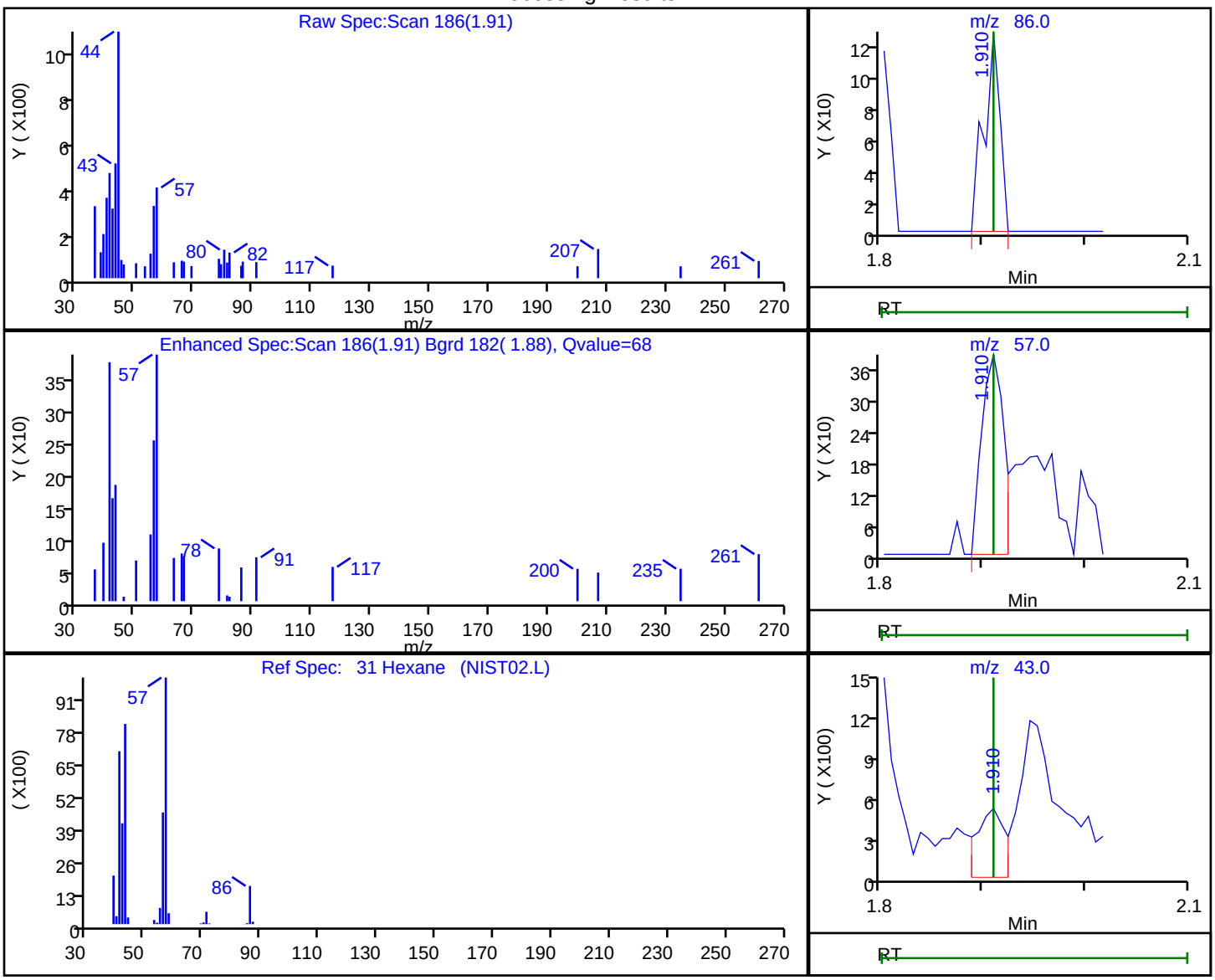
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

31 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
1.91	86.00	134	0.146514
1.91	57.00	587	
1.91	43.00	952	
1.91	56.00	438	

Reviewer: desais, 23-Aug-2019 09:38:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

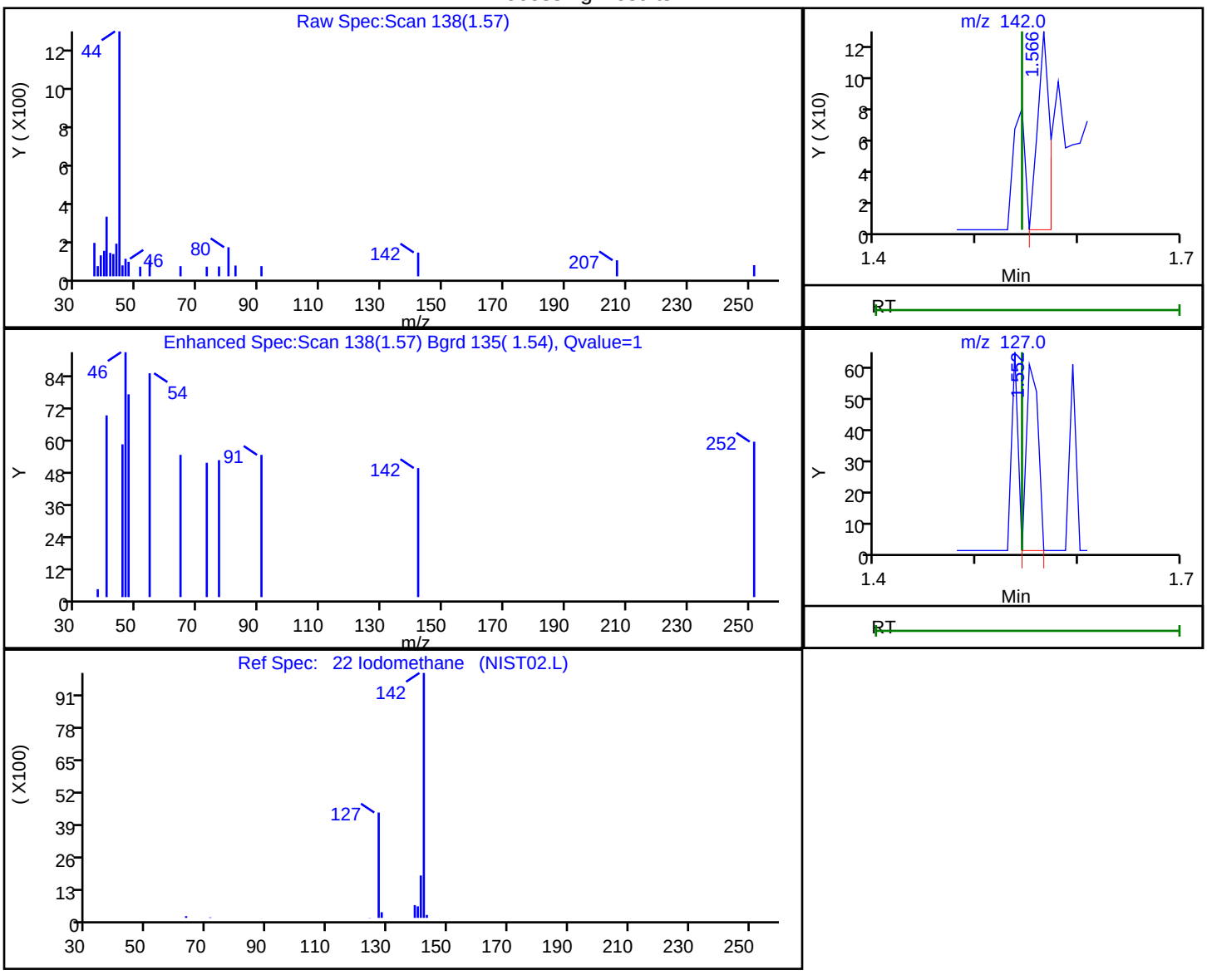
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Iodomethane, CAS: 74-88-4

Processing Results



RT	Mass	Response	Amount
1.57	142.00	104	0.011118
1.55	127.00	49	

Reviewer: desais, 23-Aug-2019 09:37:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

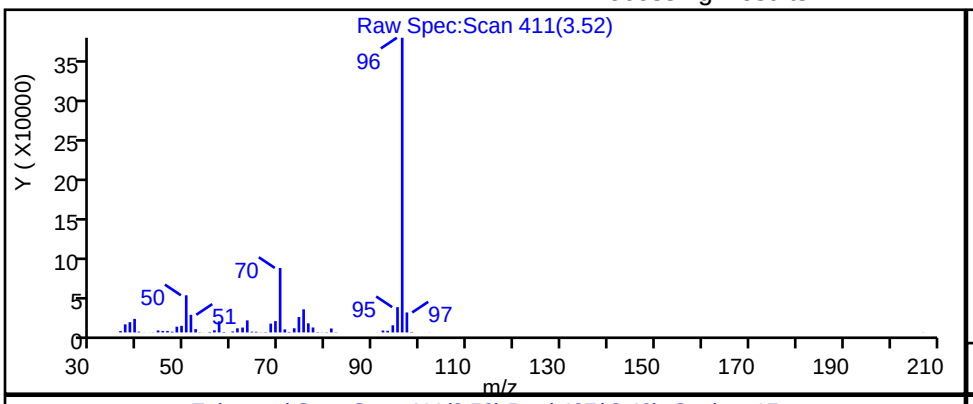
User Disabled Compound Report

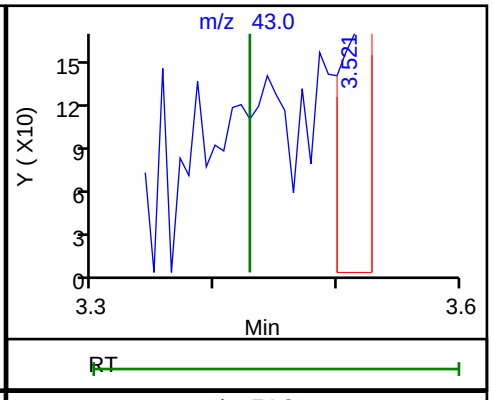
Eurofins TestAmerica, Edison

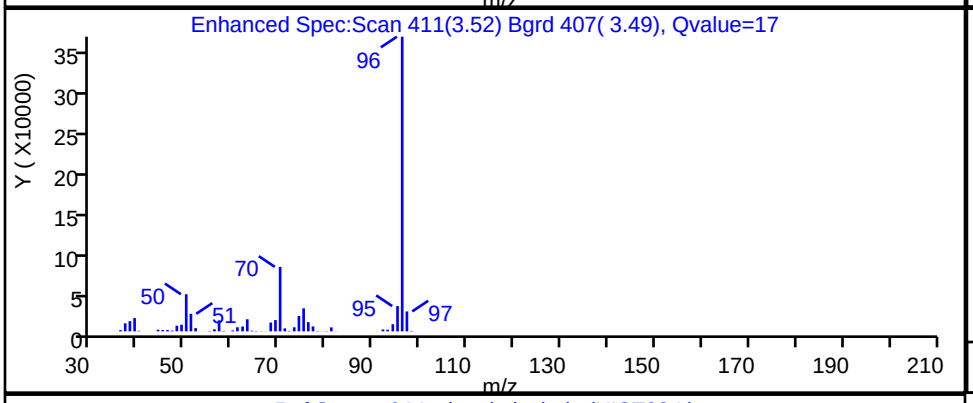
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

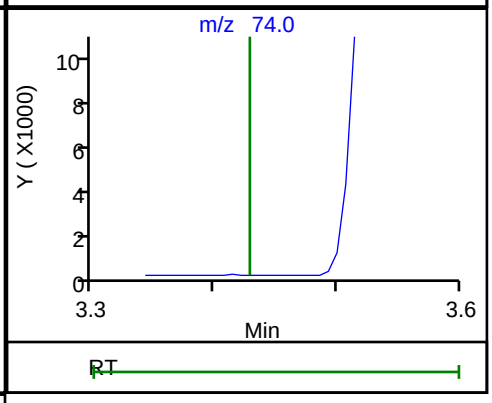
64 Isobutyl alcohol, CAS: 78-83-1

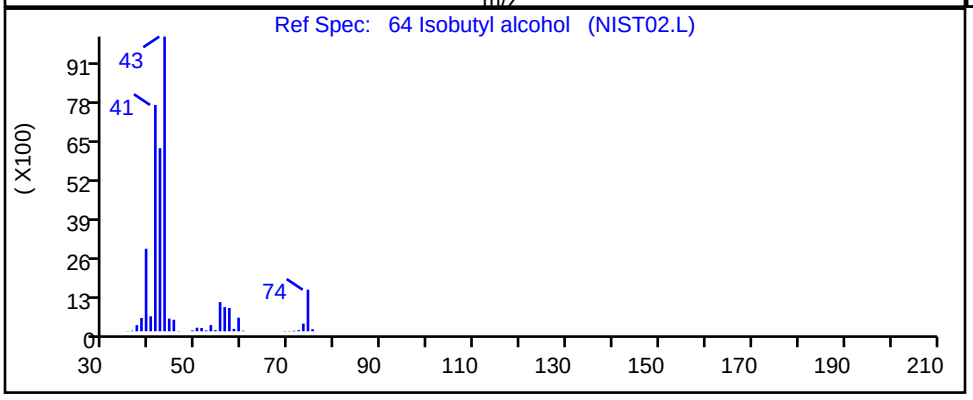
Processing Results











RT	Mass	Response	Amount
3.52	43.00	287	2.469531
3.53	74.00	42639	

Reviewer: desais, 23-Aug-2019 09:38:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

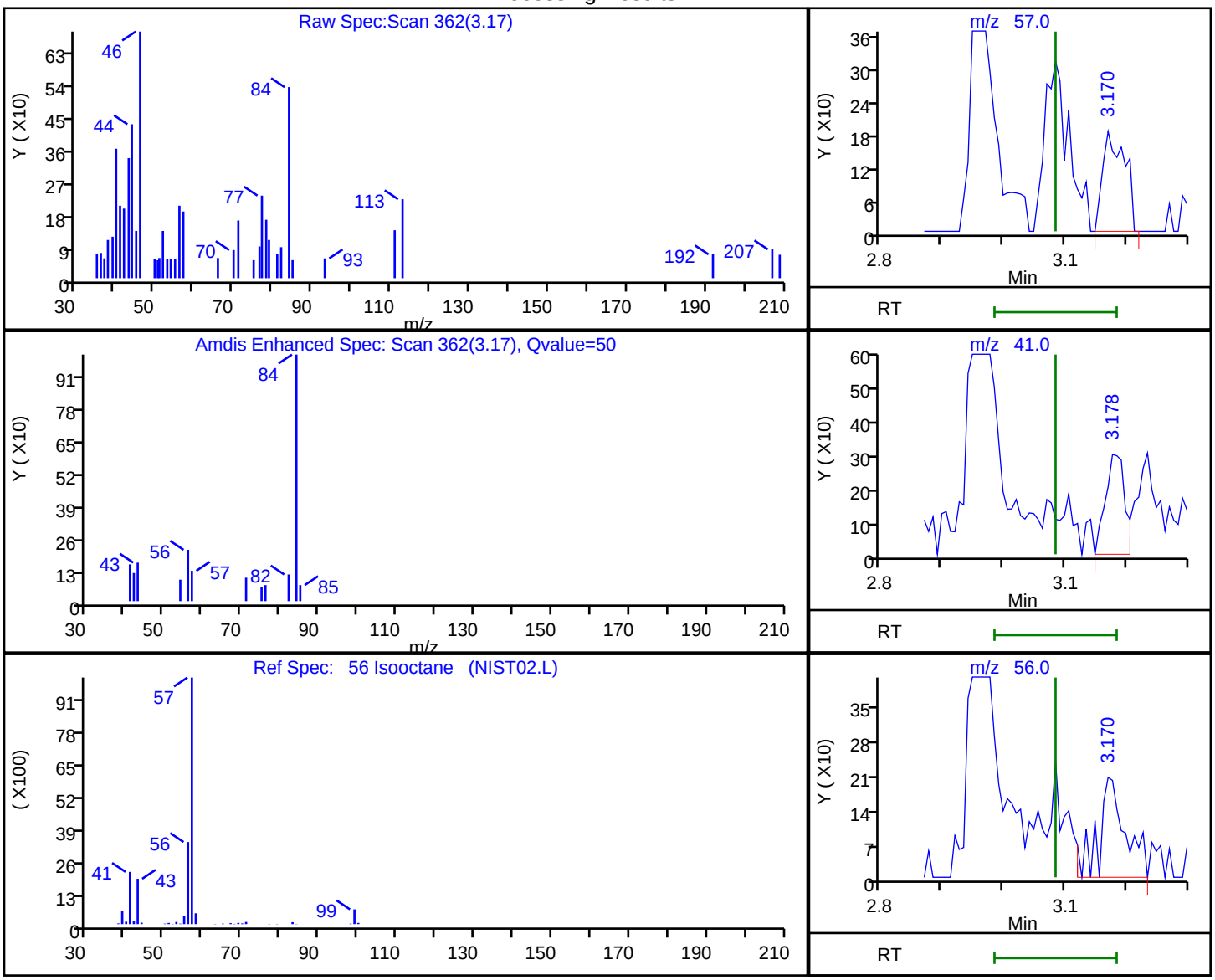
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

56 Isooctane, CAS: 540-84-1

Processing Results



RT	Mass	Response	Amount
3.17	57.00	463	0.068696
3.18	41.00	655	
3.17	56.00	614	

Reviewer: desais, 23-Aug-2019 09:38:49

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

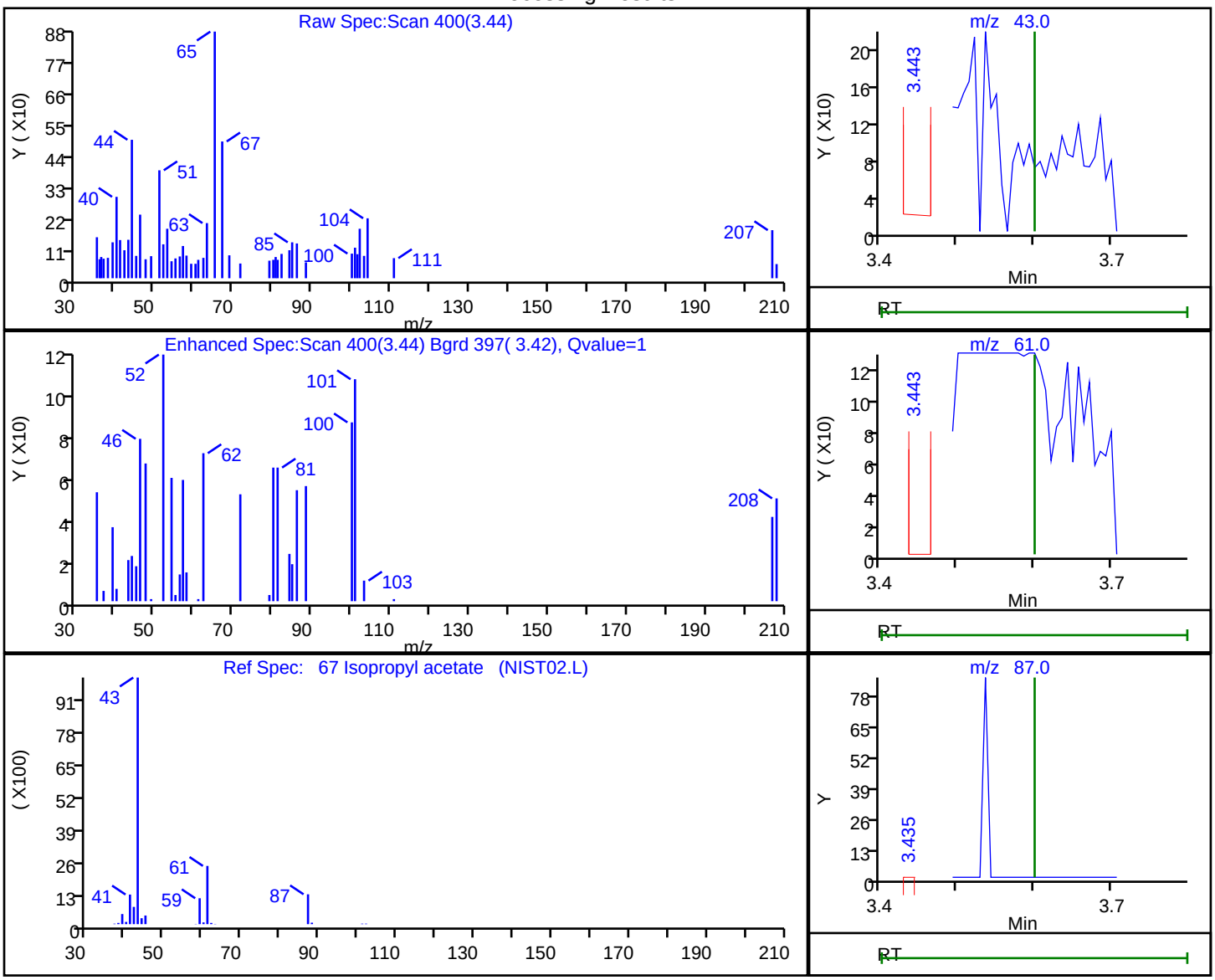
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
3.44	43.00	232	0.031305
3.44	61.00	99	
3.44	87.00	112	

Reviewer: desais, 23-Aug-2019 09:38:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

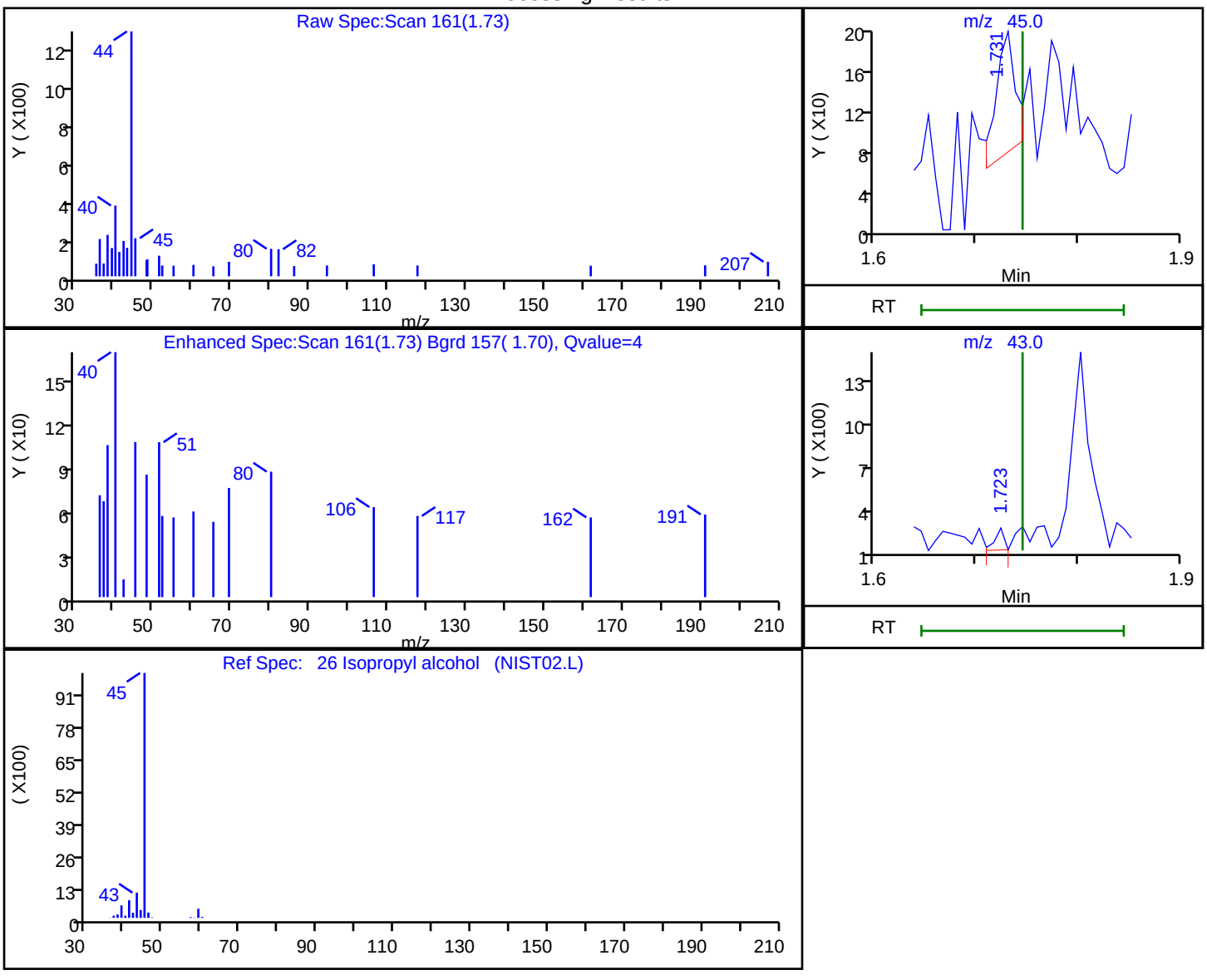
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

26 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
1.73	45.00	162	0.727025
1.72	43.00	90	

Reviewer: desais, 23-Aug-2019 09:38:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

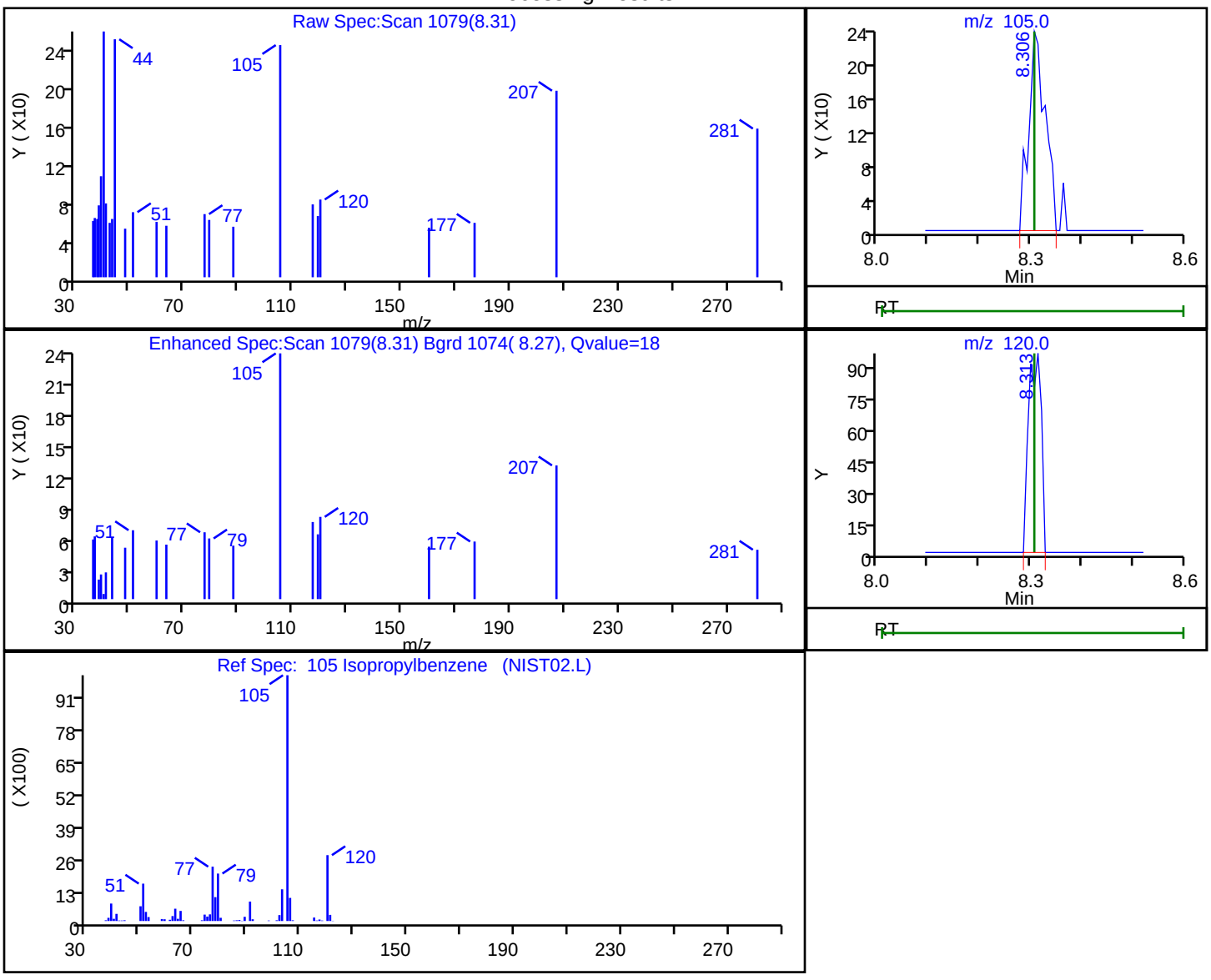
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

105 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
8.31	105.00	542	0.032172
8.31	120.00	168	

Reviewer: desais, 23-Aug-2019 09:40:02

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

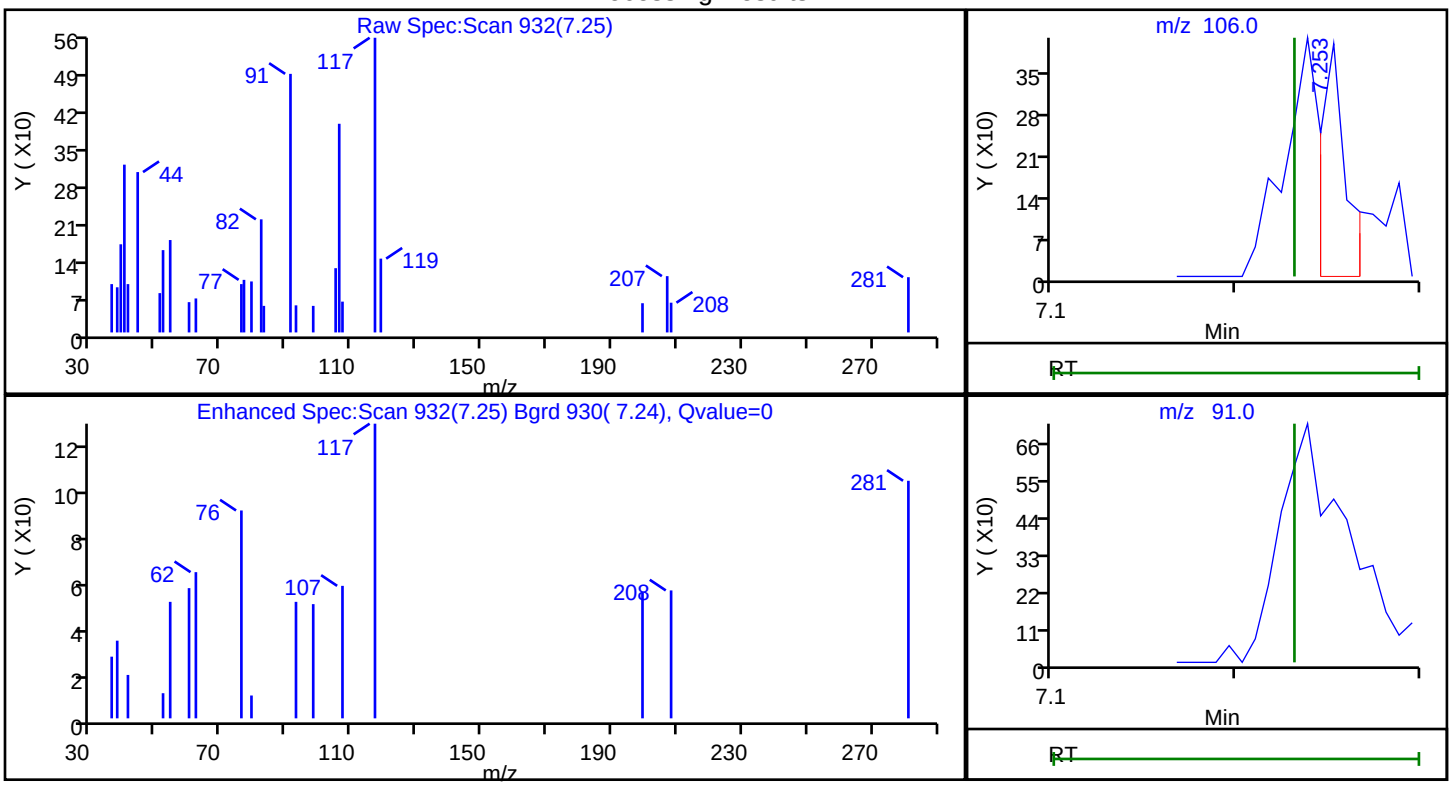
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

100 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results



RT	Mass	Response	Amount
7.25	106.00	375	0.049396
7.25	91.00	1000	

Reviewer: desais, 23-Aug-2019 09:39:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

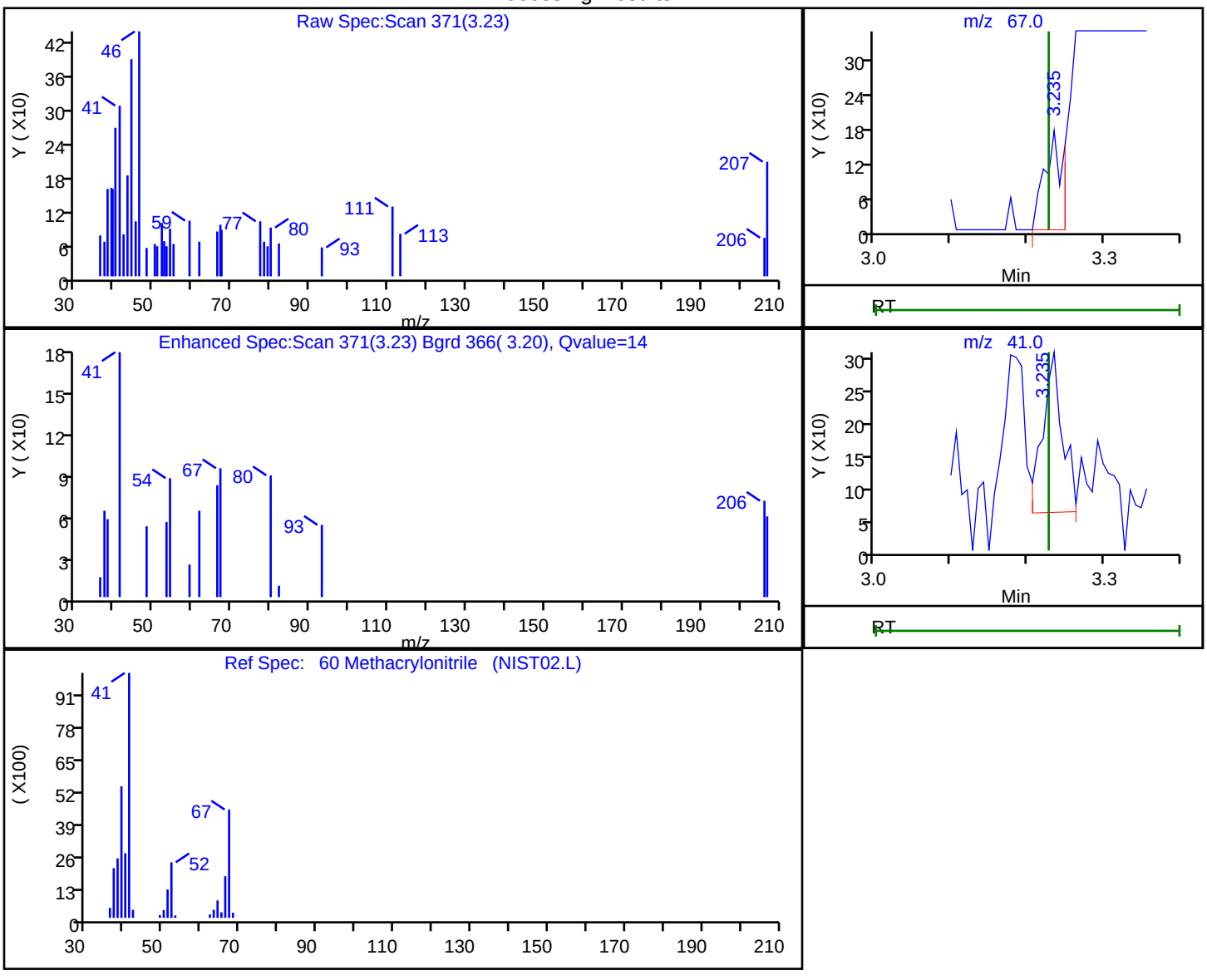
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

60 Methacrylonitrile, CAS: 126-98-7

Processing Results



RT	Mass	Response	Amount
3.23	67.00	286	0.179136
3.23	41.00	441	

Reviewer: desais, 23-Aug-2019 09:38:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

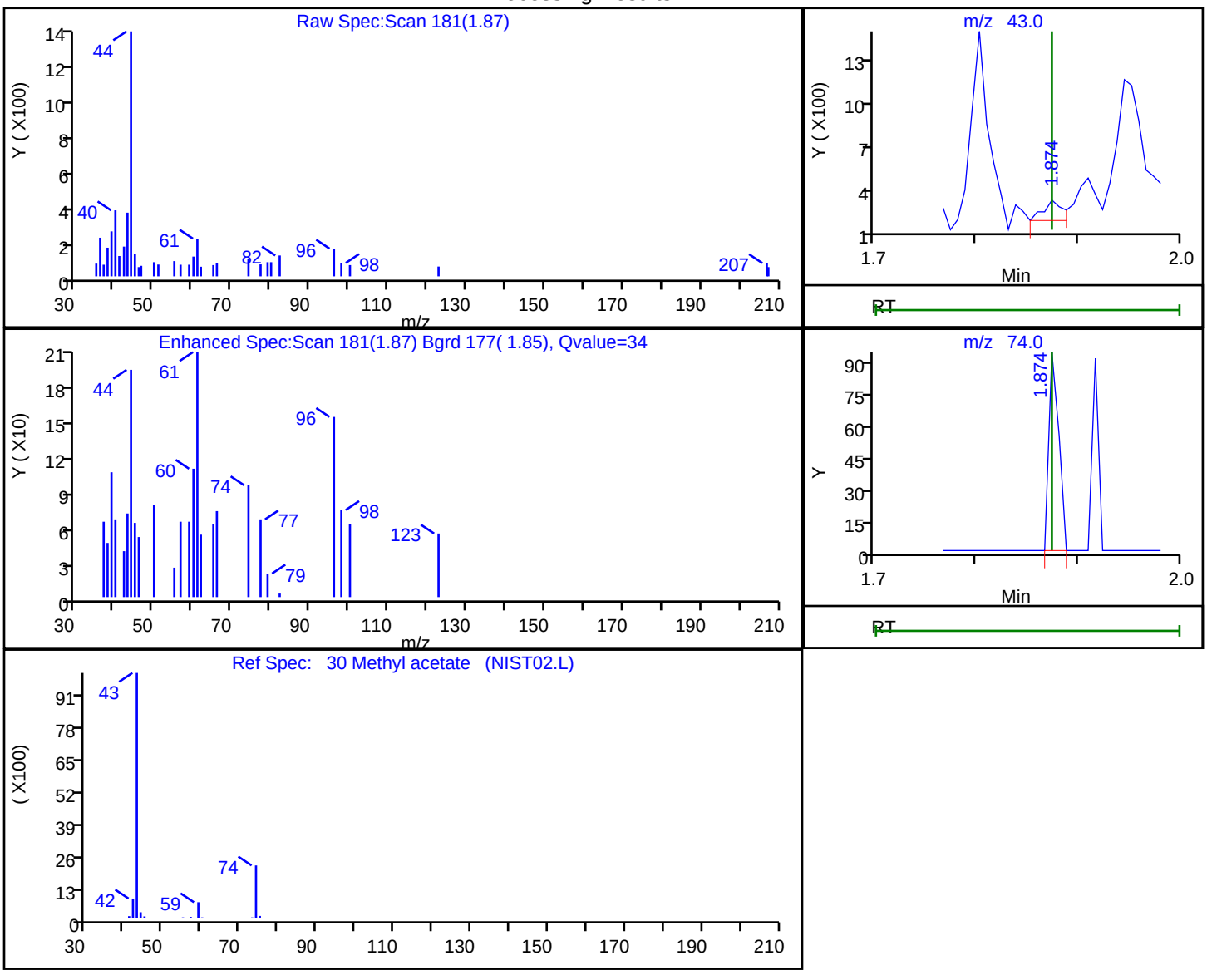
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

30 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
1.87	43.00	169	0.059289
1.87	74.00	64	

Reviewer: desais, 23-Aug-2019 09:38:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

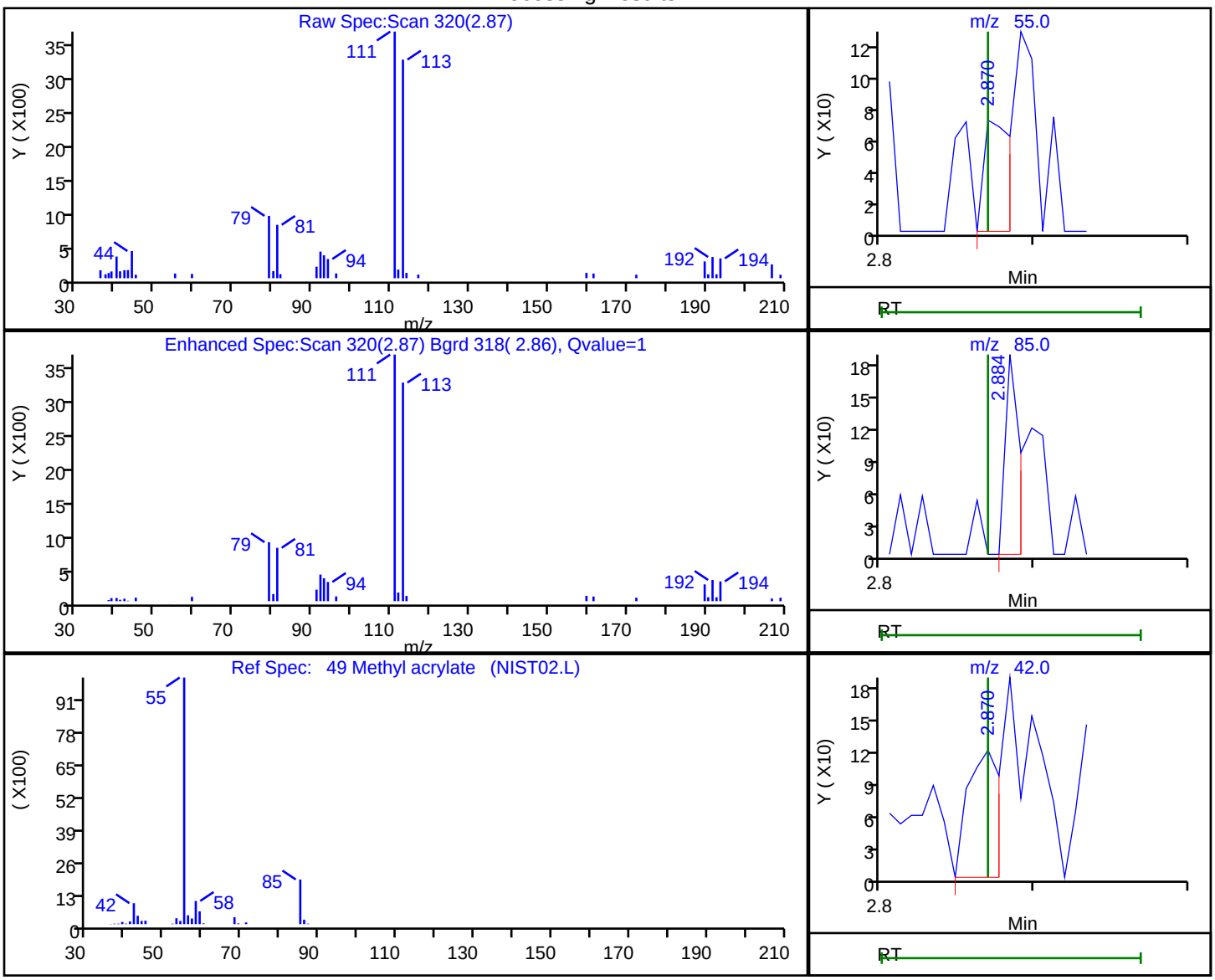
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

49 Methyl acrylate, CAS: 96-33-3

Processing Results



RT	Mass	Response	Amount
2.87	55.00	83	0.025227
2.88	85.00	120	
2.87	42.00	172	

Reviewer: desais, 23-Aug-2019 09:38:42

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

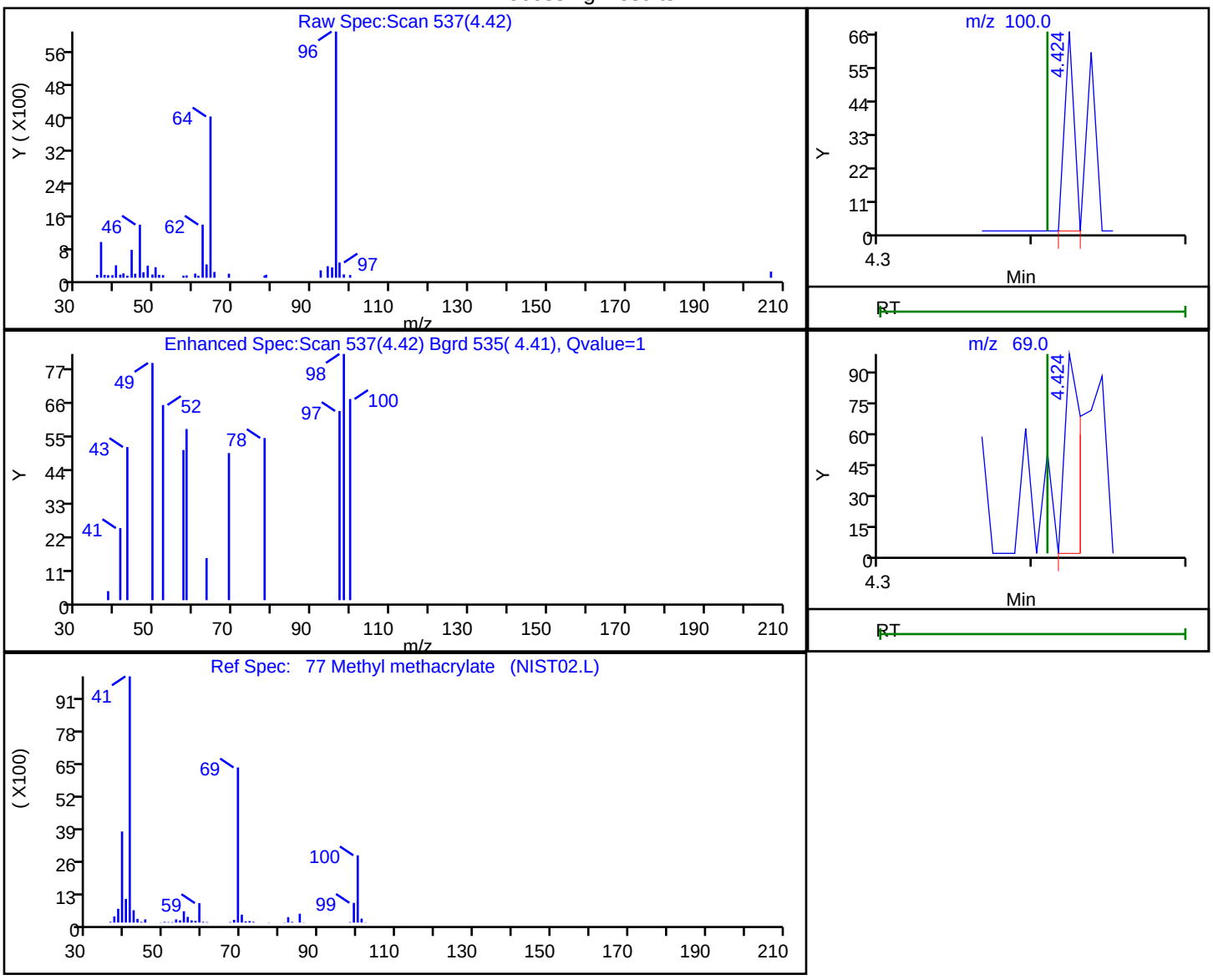
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

77 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
4.42	100.00	29	0.023902
4.42	69.00	72	

Reviewer: desais, 23-Aug-2019 09:39:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

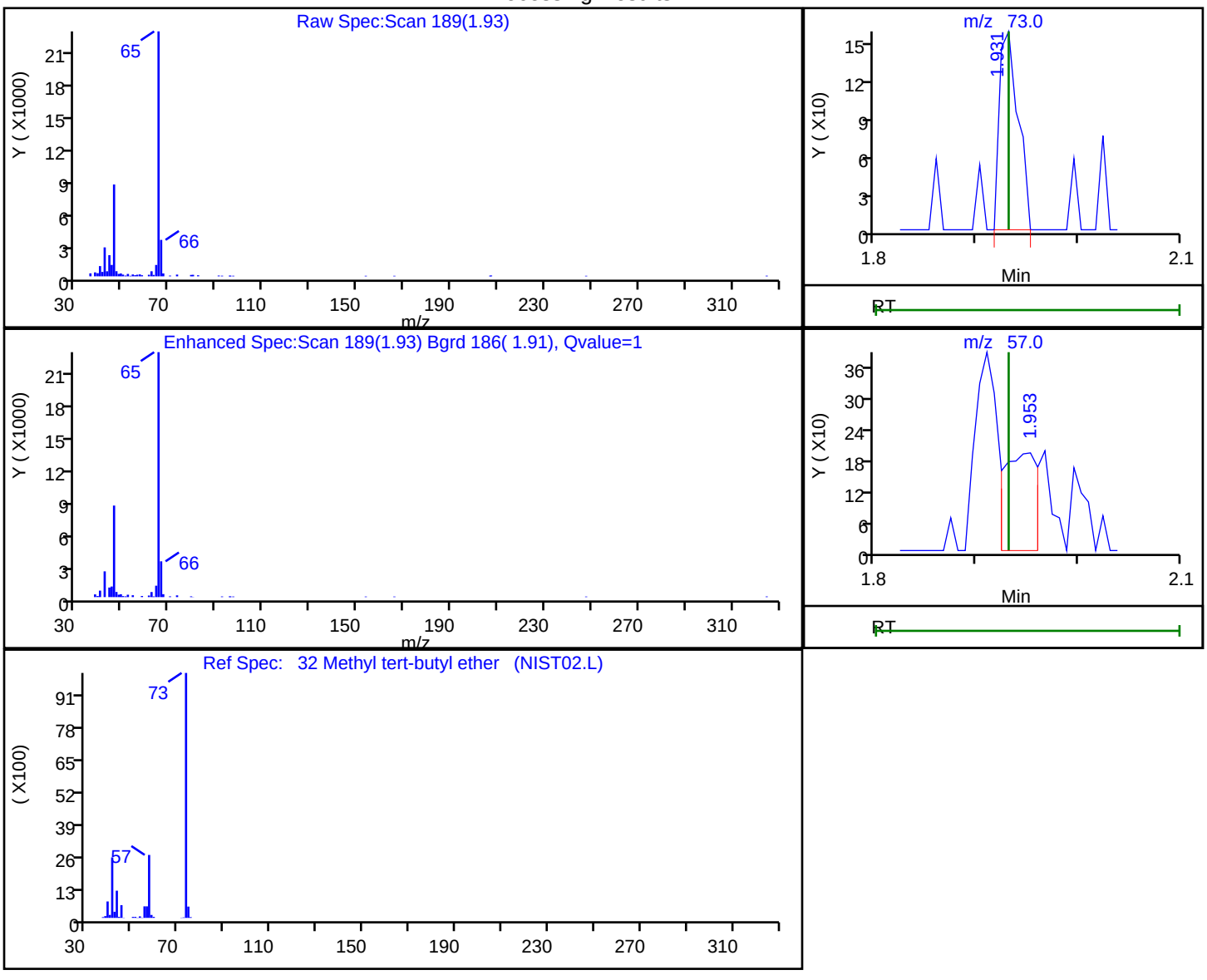
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results



RT	Mass	Response	Amount
1.93	73.00	200	0.012895
1.95	57.00	450	

Reviewer: desais, 23-Aug-2019 09:38:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

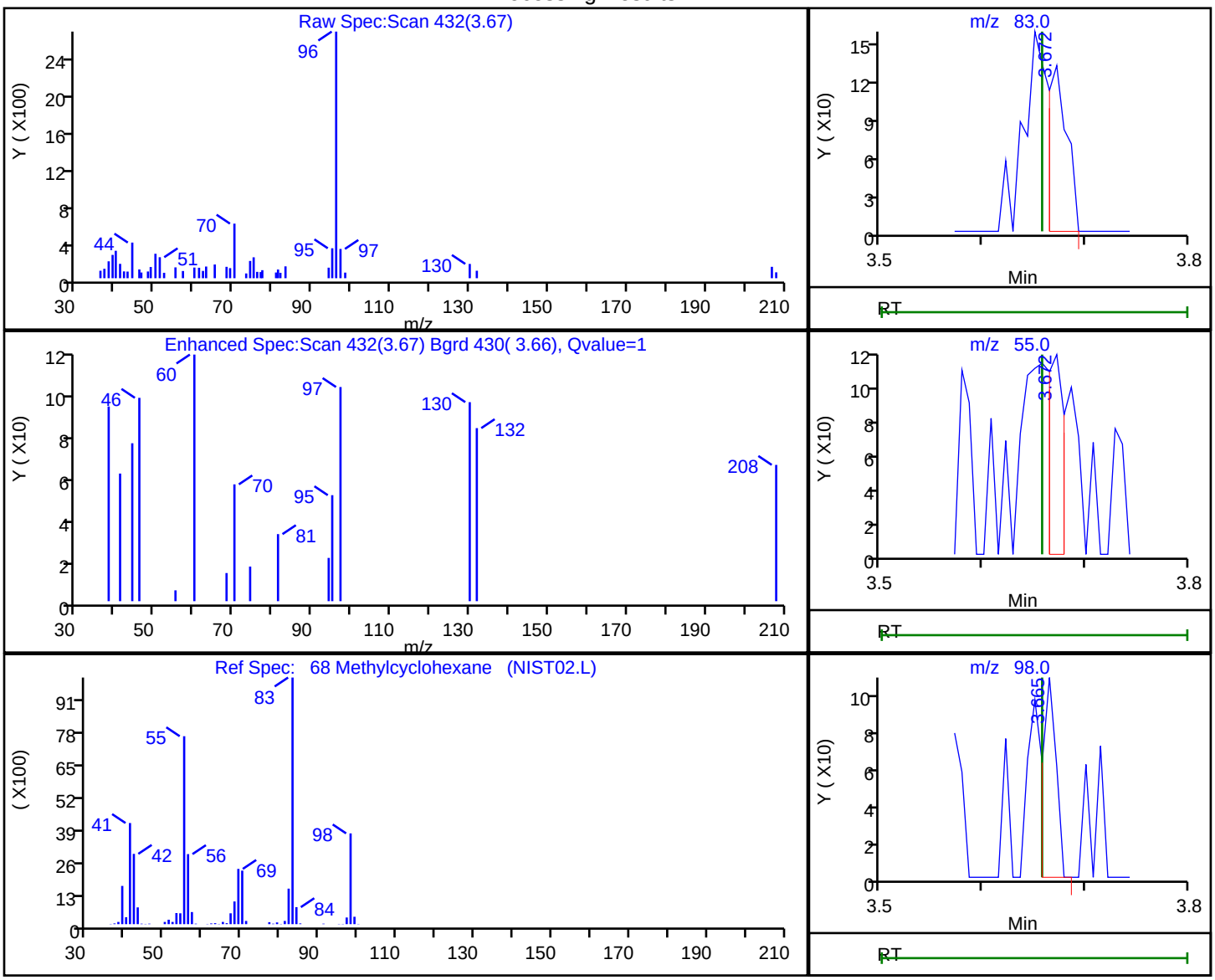
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

68 Methylcyclohexane, CAS: 108-87-2

Processing Results



RT	Mass	Response	Amount
3.67	83.00	163	0.034069
3.67	55.00	130	
3.66	98.00	99	

Reviewer: desais, 23-Aug-2019 09:38:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

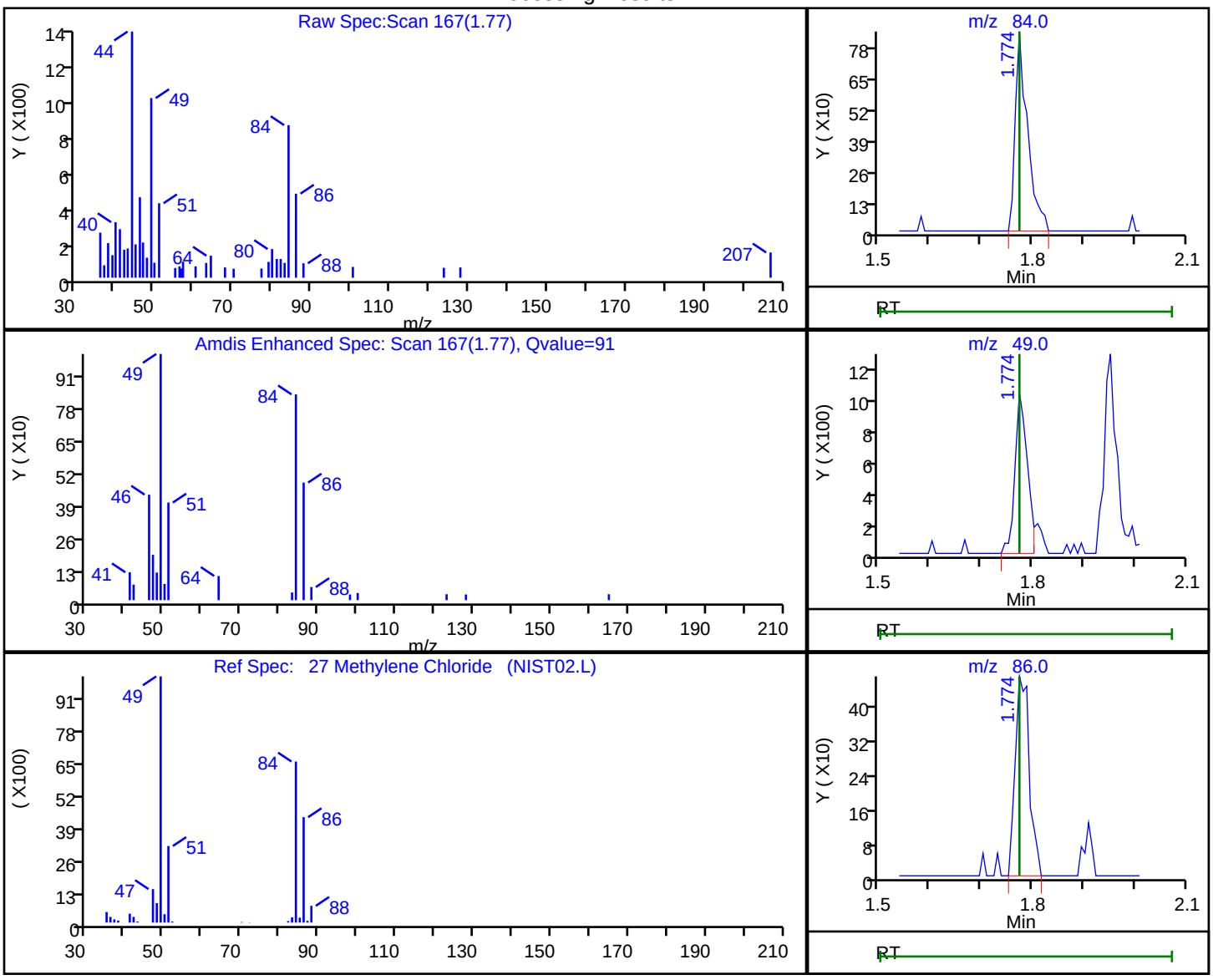
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
1.77	84.00	1430	0.276143
1.77	49.00	1688	
1.77	86.00	901	

Reviewer: desais, 23-Aug-2019 09:38:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

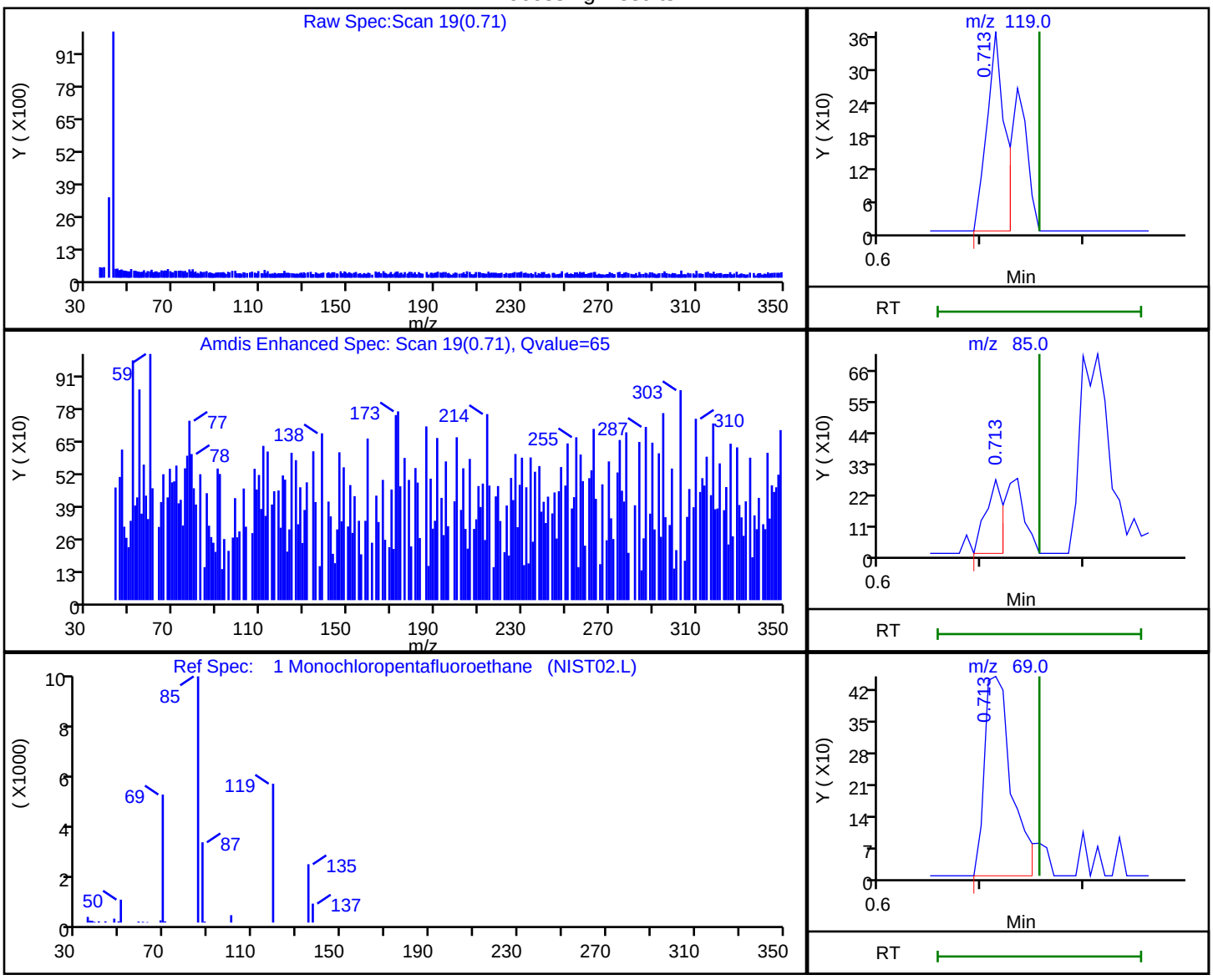
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Processing Results



RT	Mass	Response	Amount
0.71	119.00	442	1.172130
0.71	85.00	309	
0.71	69.00	824	
0.71	135.00	397	

Reviewer: desais, 23-Aug-2019 09:37:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

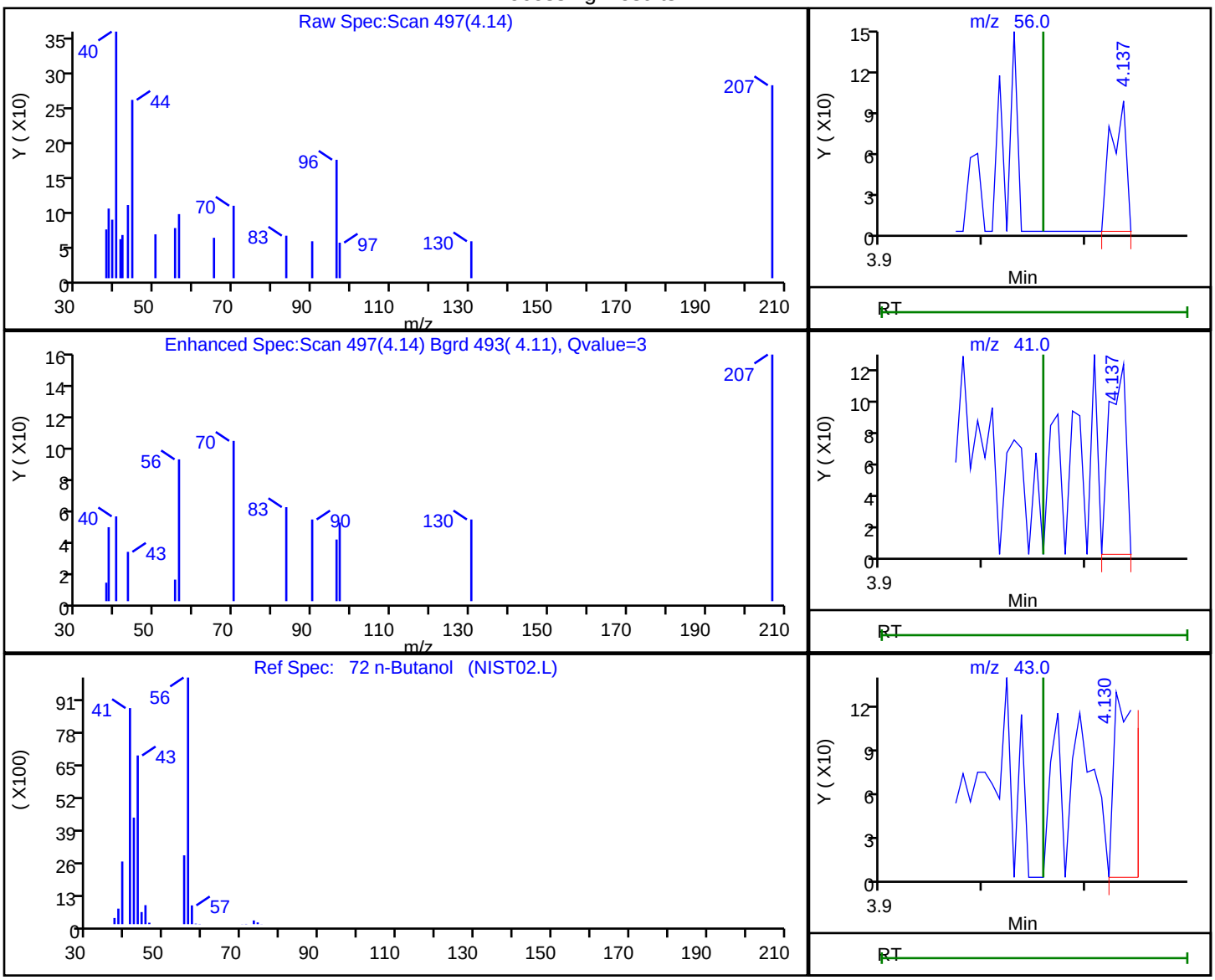
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

72 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.14	56.00	95	1.260468
4.14	41.00	132	
4.13	43.00	182	

Reviewer: desais, 23-Aug-2019 09:39:00

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

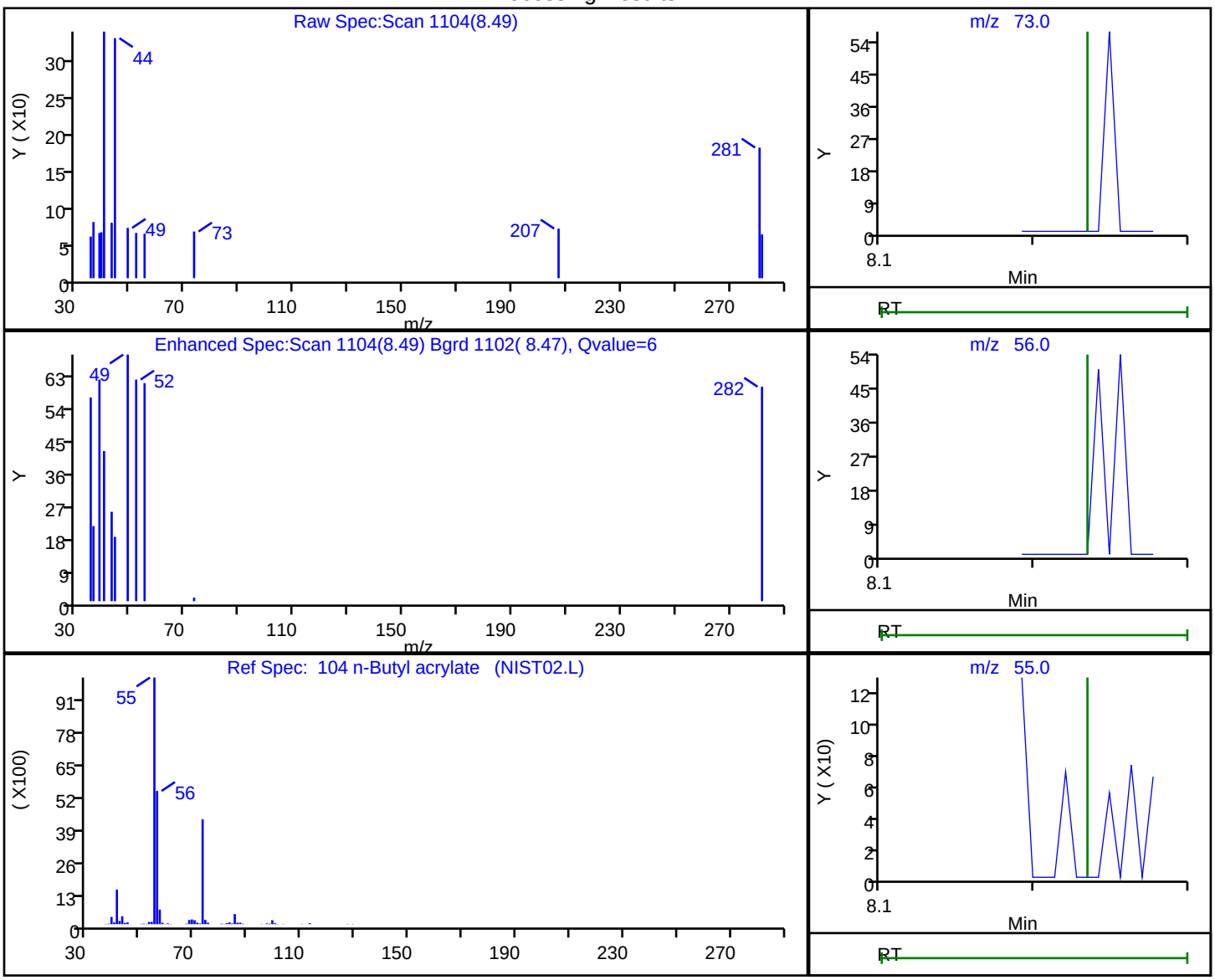
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

104 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
8.49	73.00	28	0.008878
8.49	56.00	49	
8.49	55.00	26	

Reviewer: desais, 23-Aug-2019 09:40:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

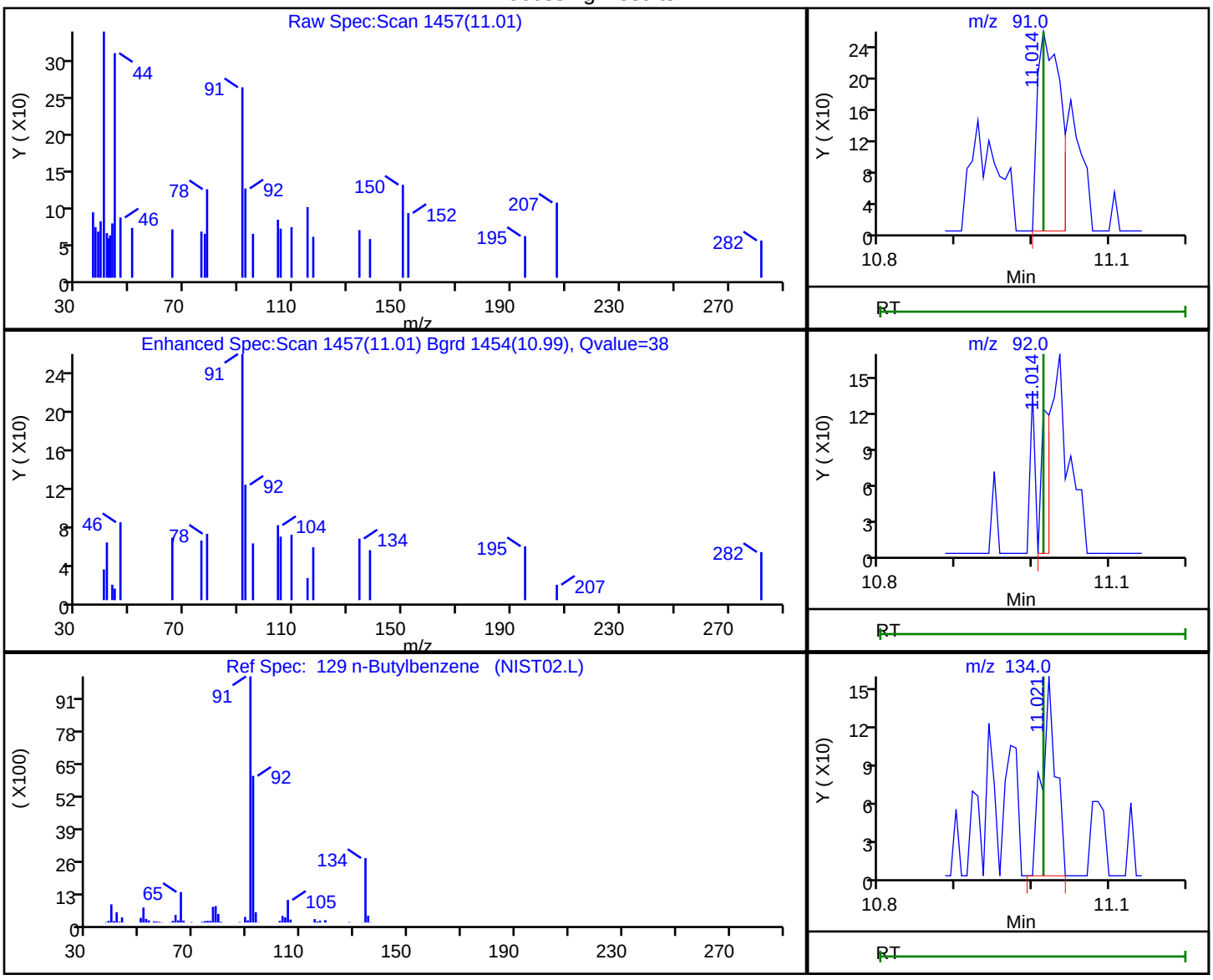
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

129 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.01	91.00	525	0.053409
11.01	92.00	101	
11.02	134.00	192	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

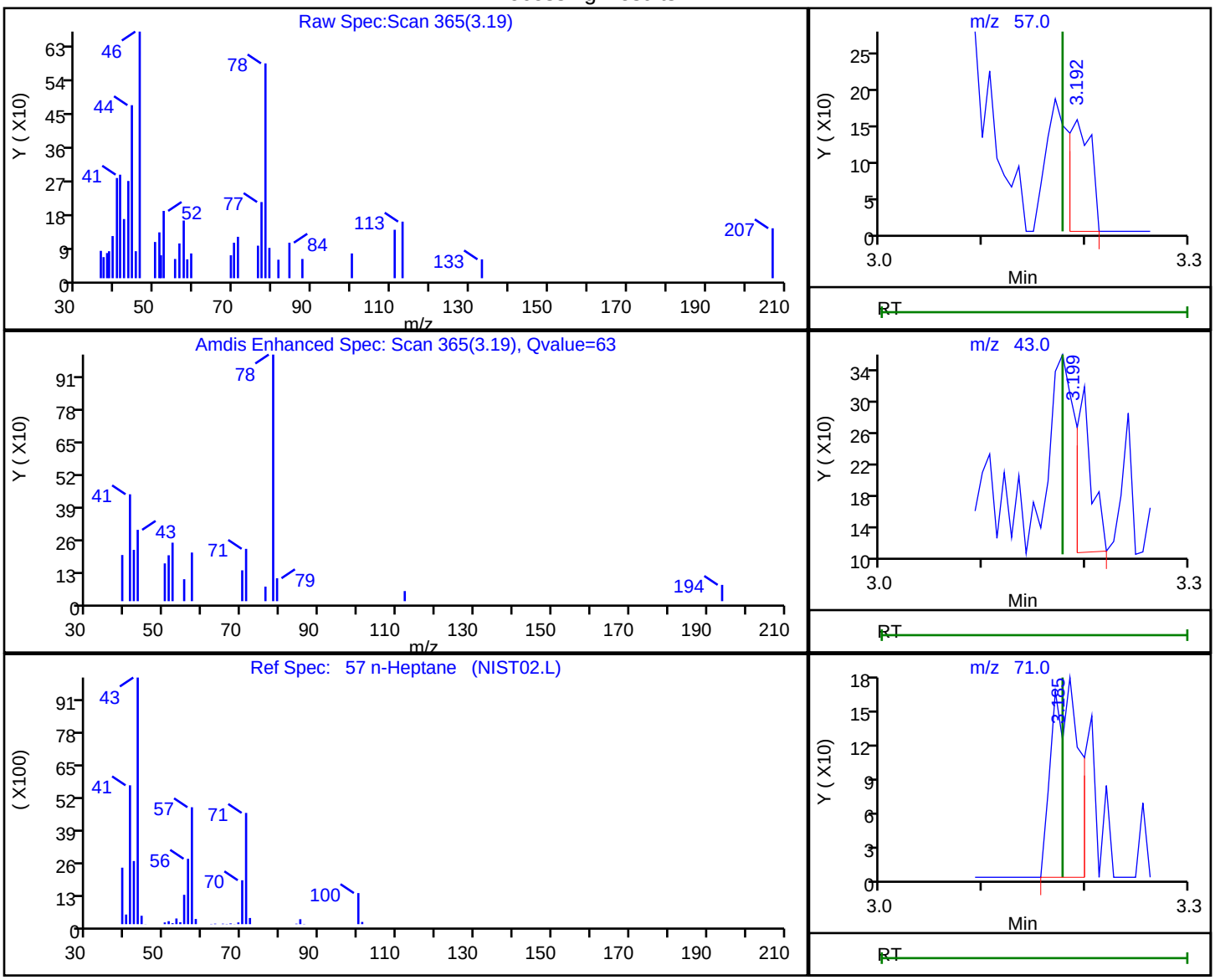
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
3.19	57.00	236	0.119188
3.20	43.00	214	
3.18	71.00	317	

Reviewer: desais, 23-Aug-2019 09:38:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

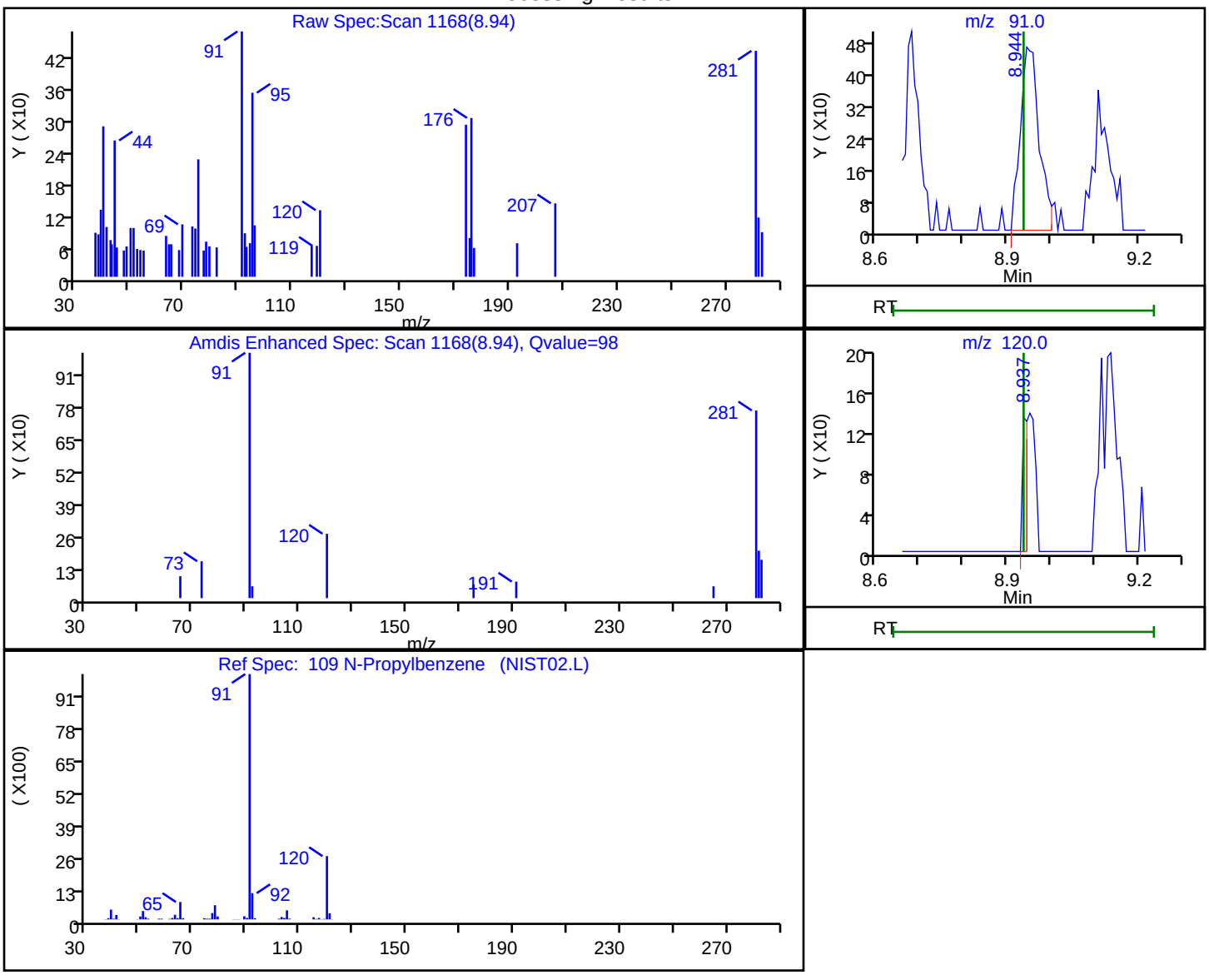
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

109 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
8.94	91.00	1414	0.076721
8.94	120.00	111	

Reviewer: desais, 23-Aug-2019 09:40:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

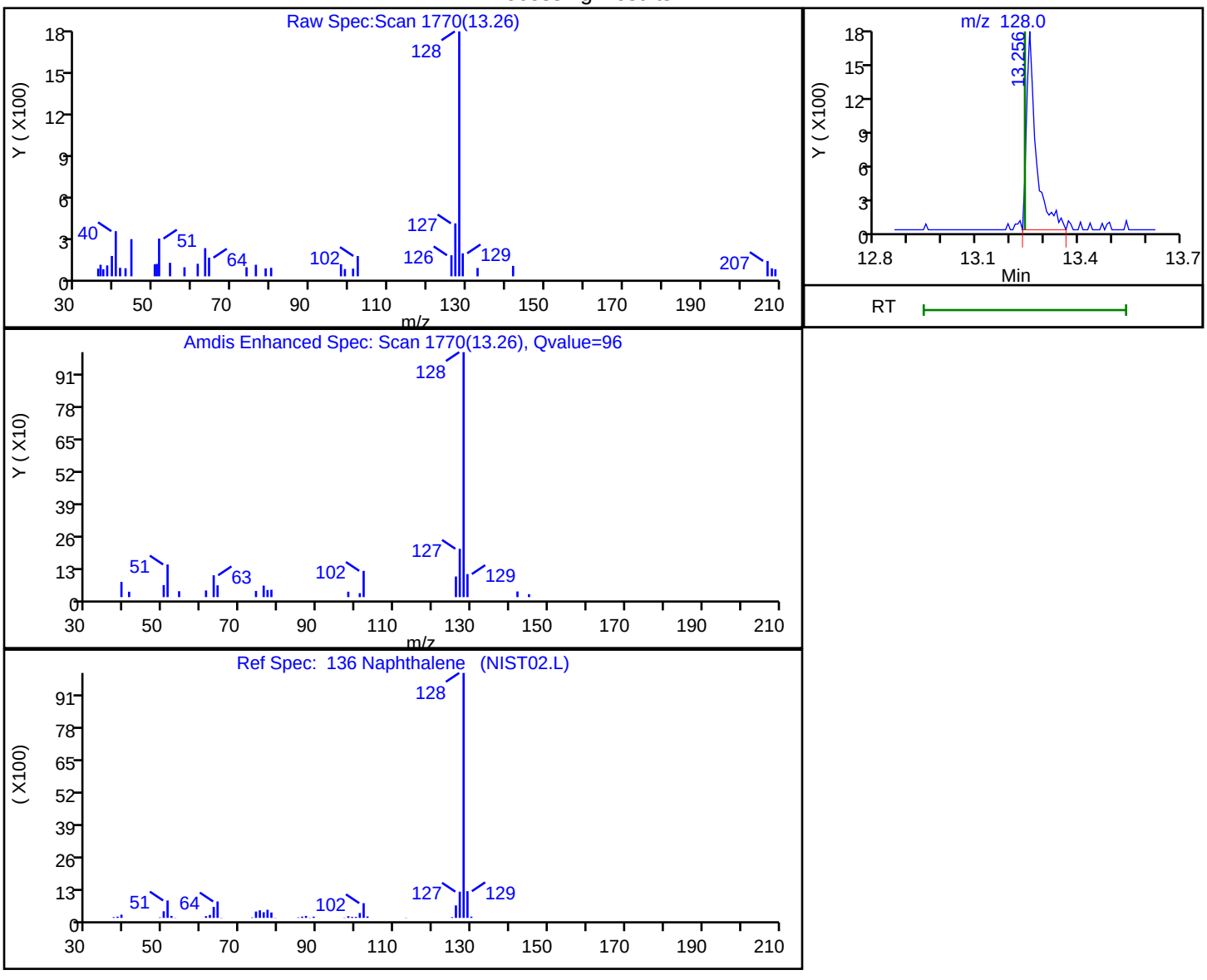
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

136 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
13.26	128.00	3472	0.354401

Reviewer: desais, 23-Aug-2019 09:40:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

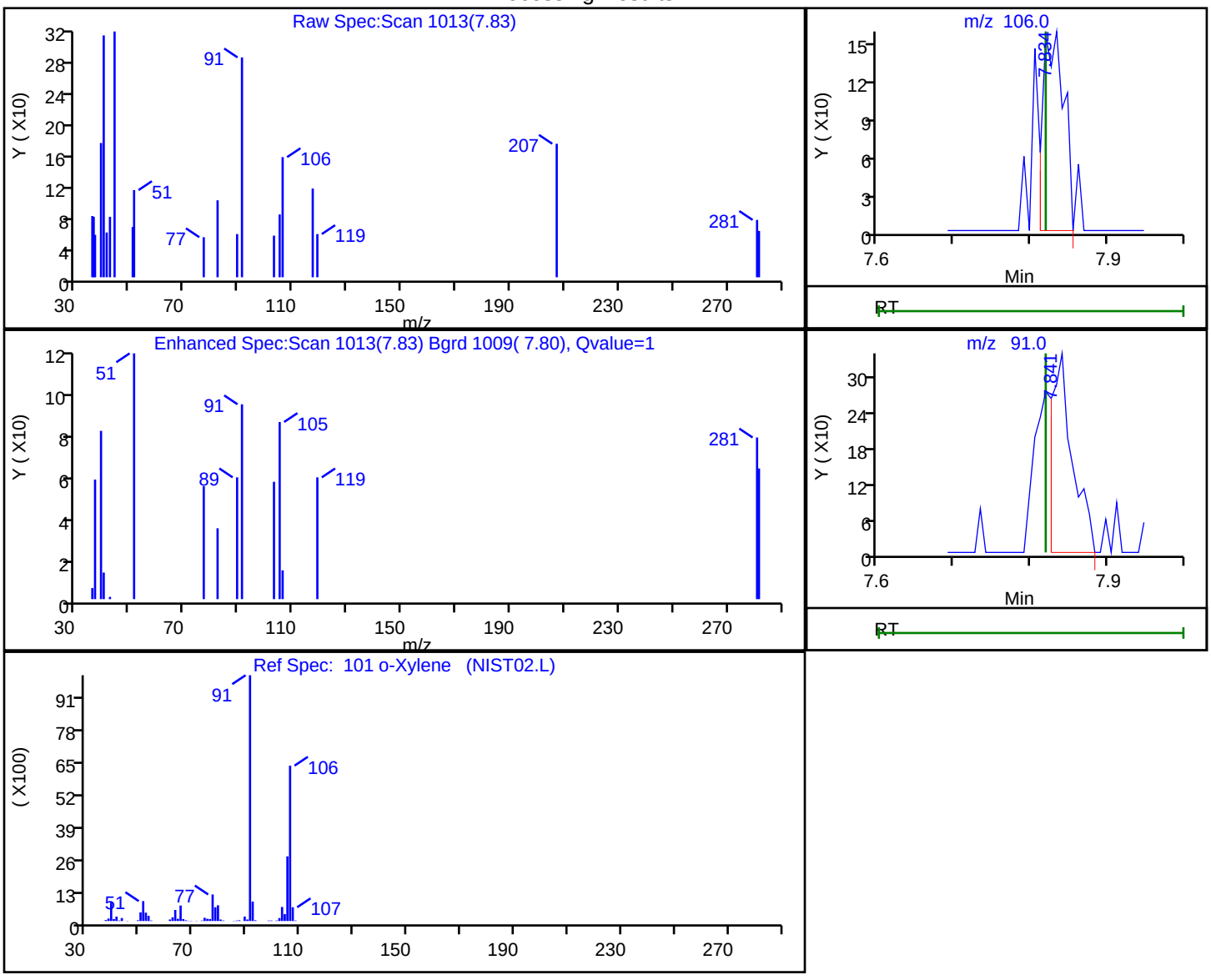
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

101 o-Xylene, CAS: 95-47-6

Processing Results



RT	Mass	Response	Amount
7.83	106.00	296	0.041449
7.84	91.00	628	

Reviewer: desais, 23-Aug-2019 09:39:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

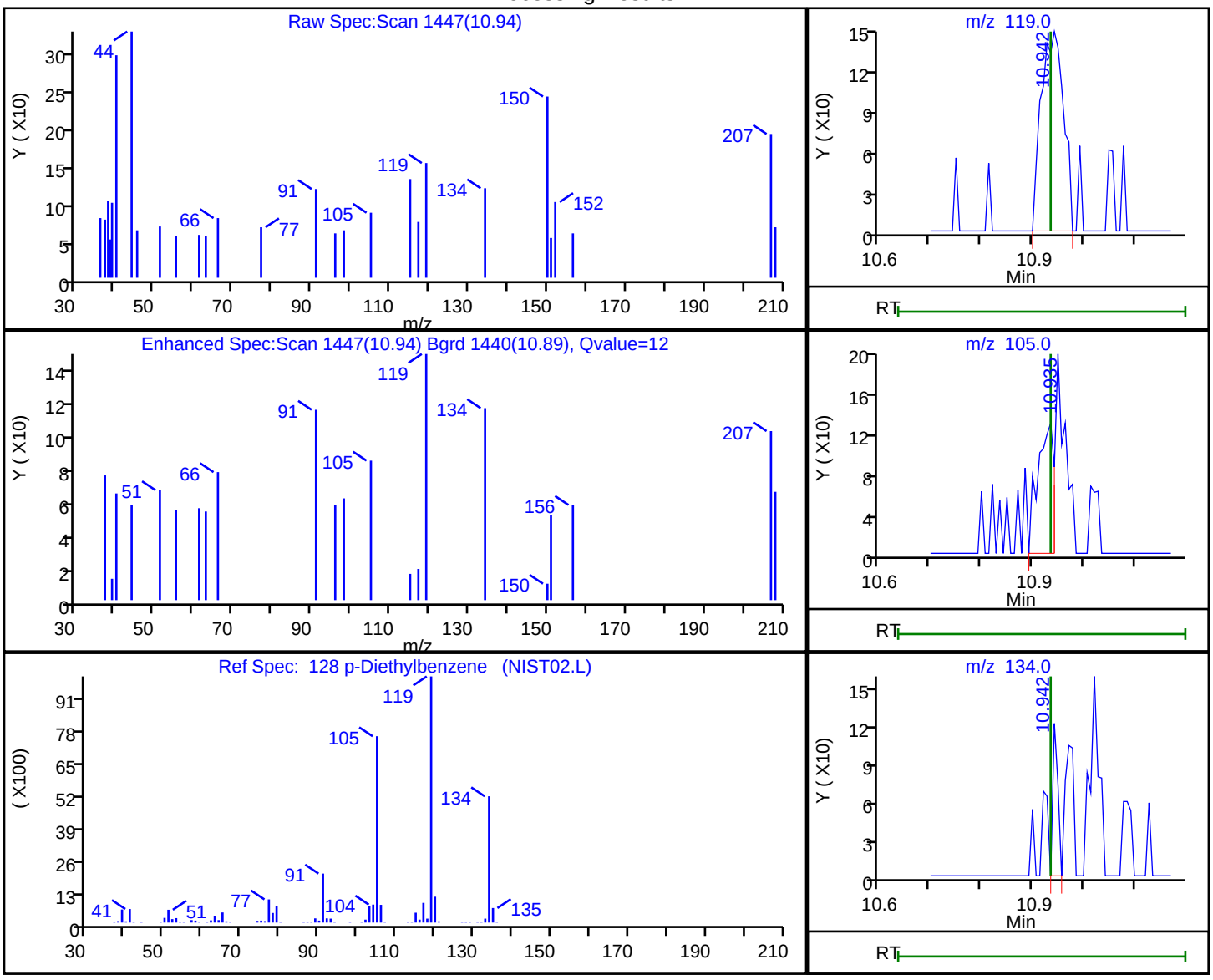
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

128 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
10.94	119.00	459	0.074798
10.94	105.00	284	
10.94	134.00	80	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

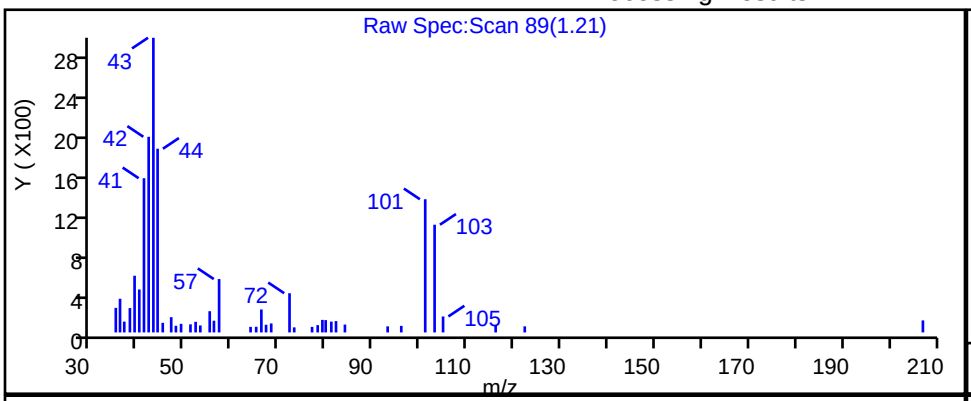
User Disabled Compound Report

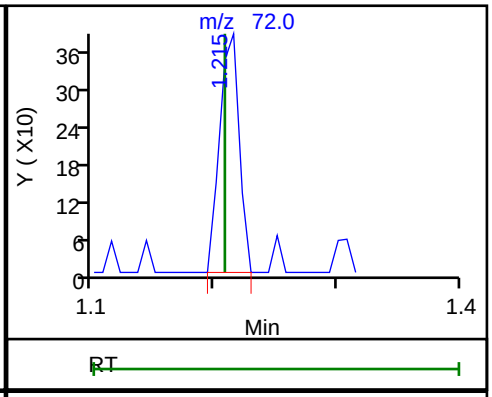
Eurofins TestAmerica, Edison

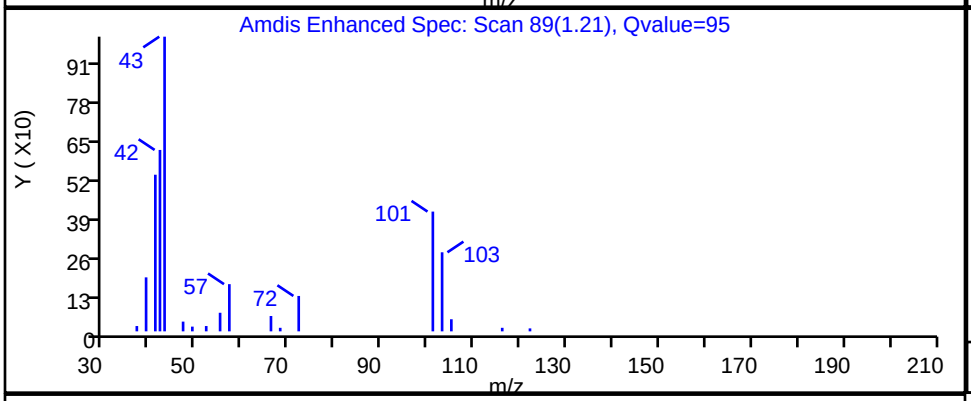
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

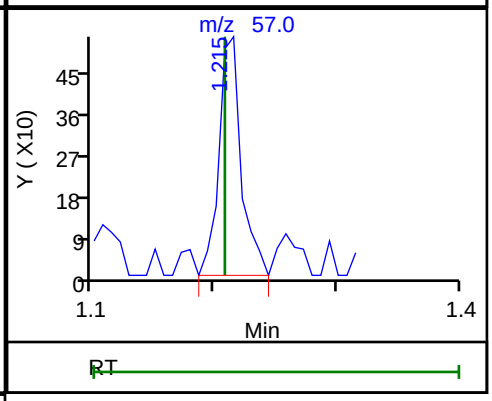
11 Pentane, CAS: 109-66-0

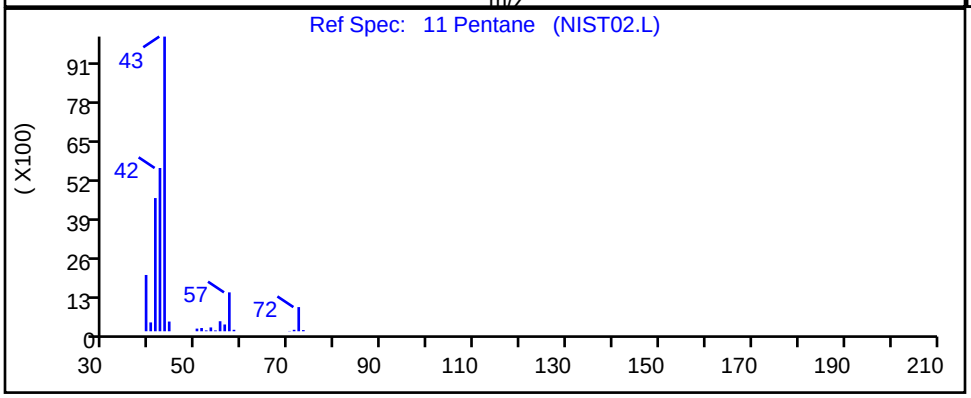
Processing Results











RT	Mass	Response	Amount
1.21	72.00	433	0.623040
1.21	57.00	668	

Reviewer: desais, 23-Aug-2019 09:37:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

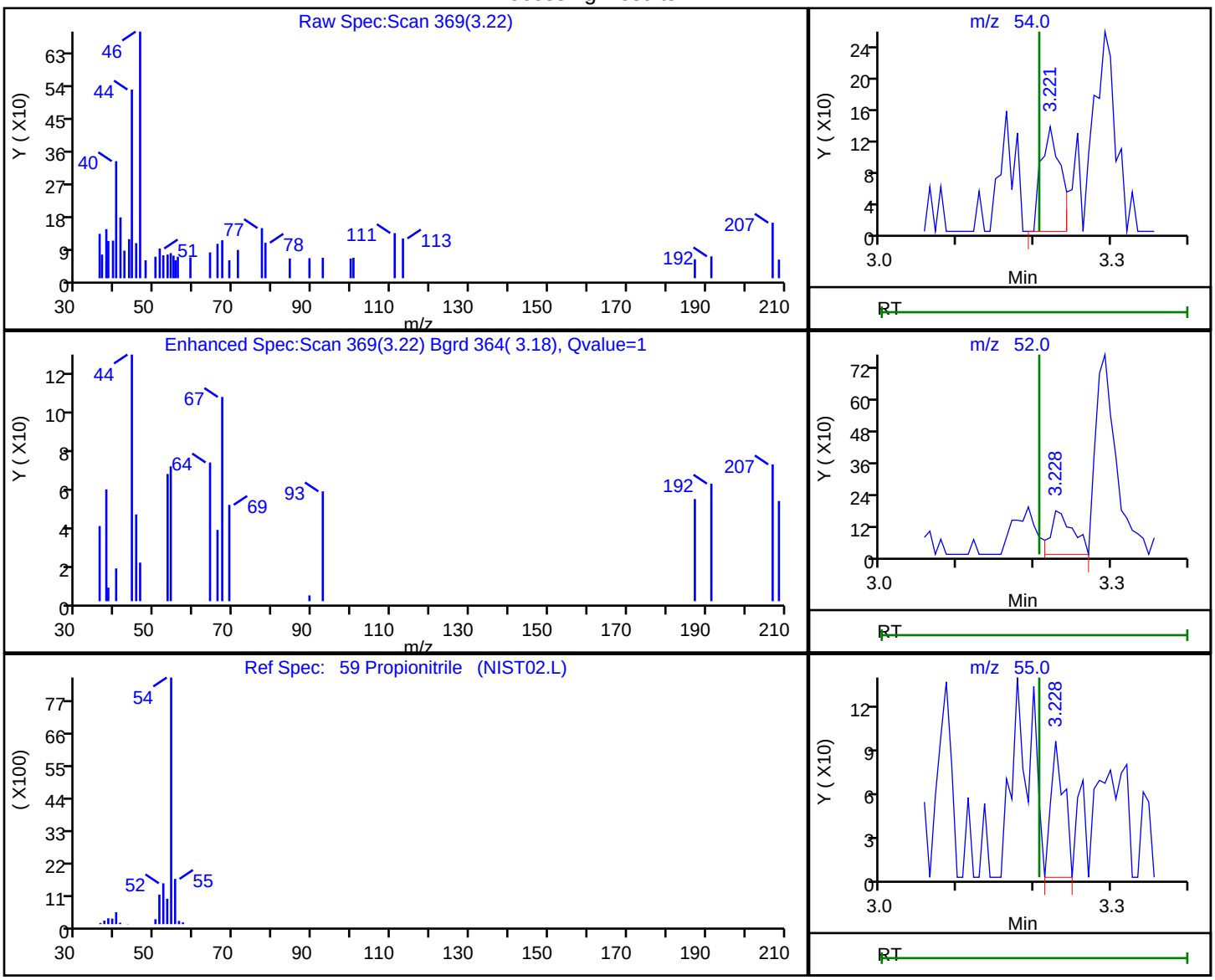
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

59 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
3.22	54.00	235	0.497416
3.23	52.00	338	
3.23	55.00	113	

Reviewer: desais, 23-Aug-2019 09:38:52

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

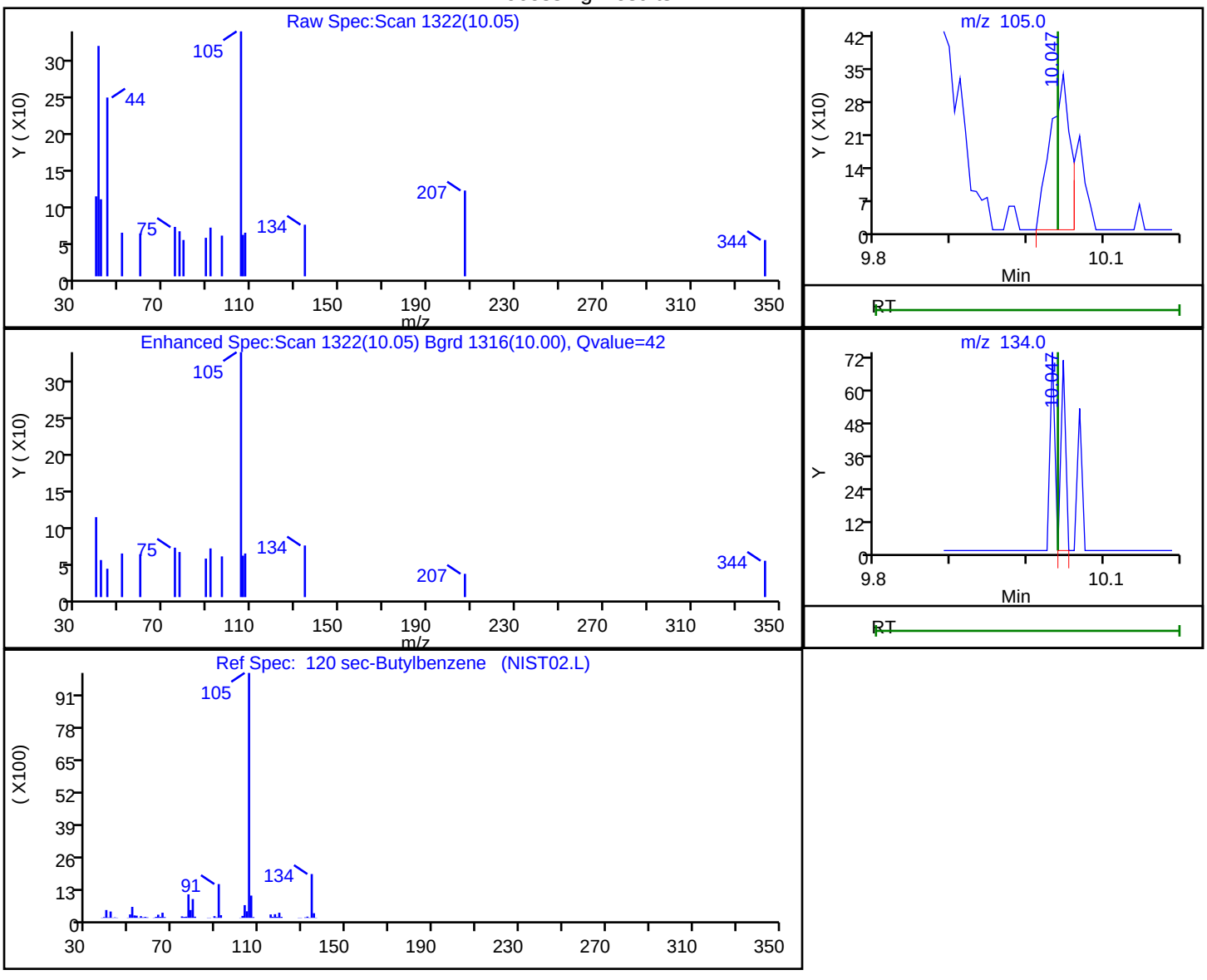
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

120 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
10.05	105.00	613	0.044830
10.05	134.00	30	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

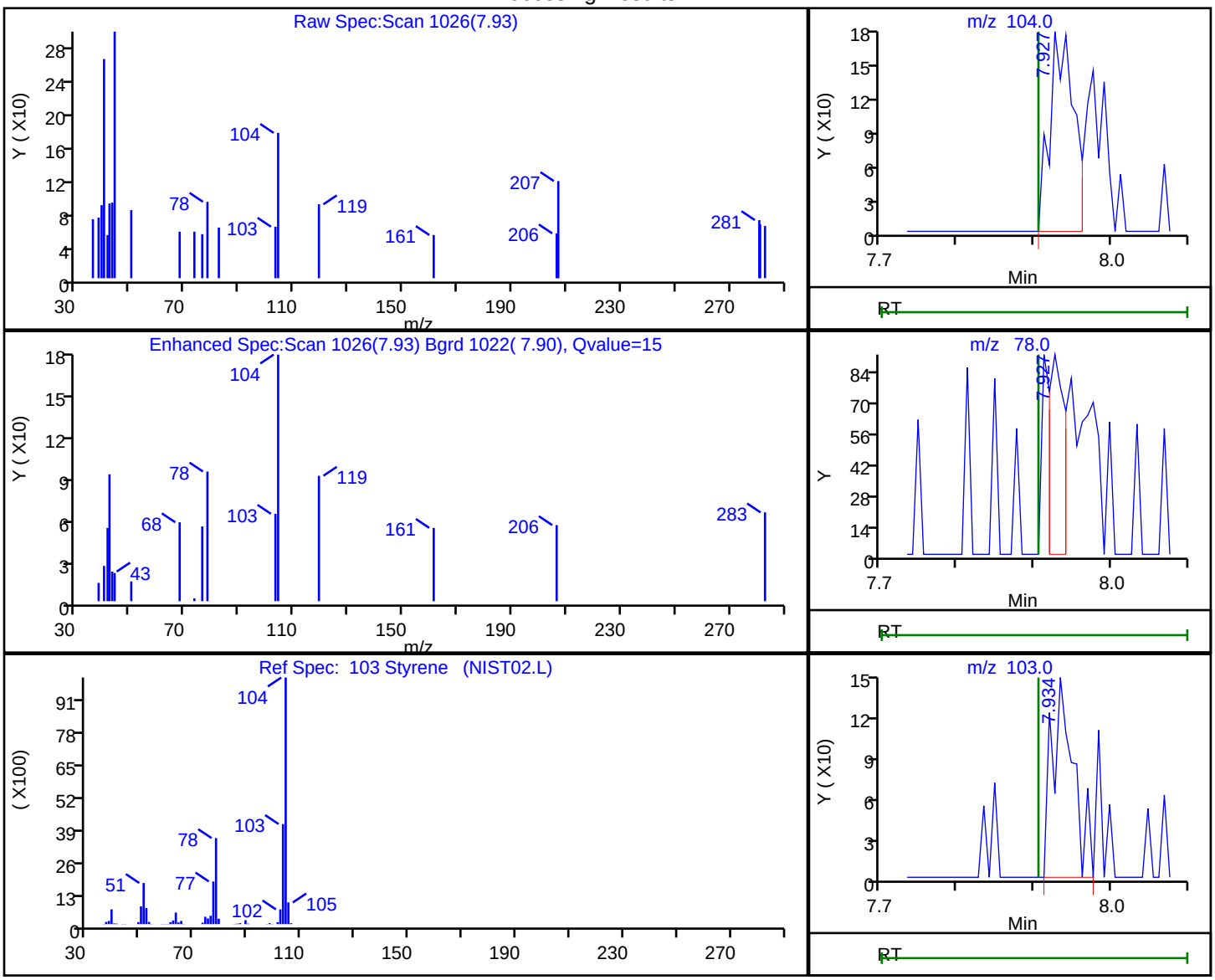
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

103 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.93	104.00	386	0.028478
7.93	78.00	133	
7.93	103.00	290	

Reviewer: desais, 23-Aug-2019 09:39:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

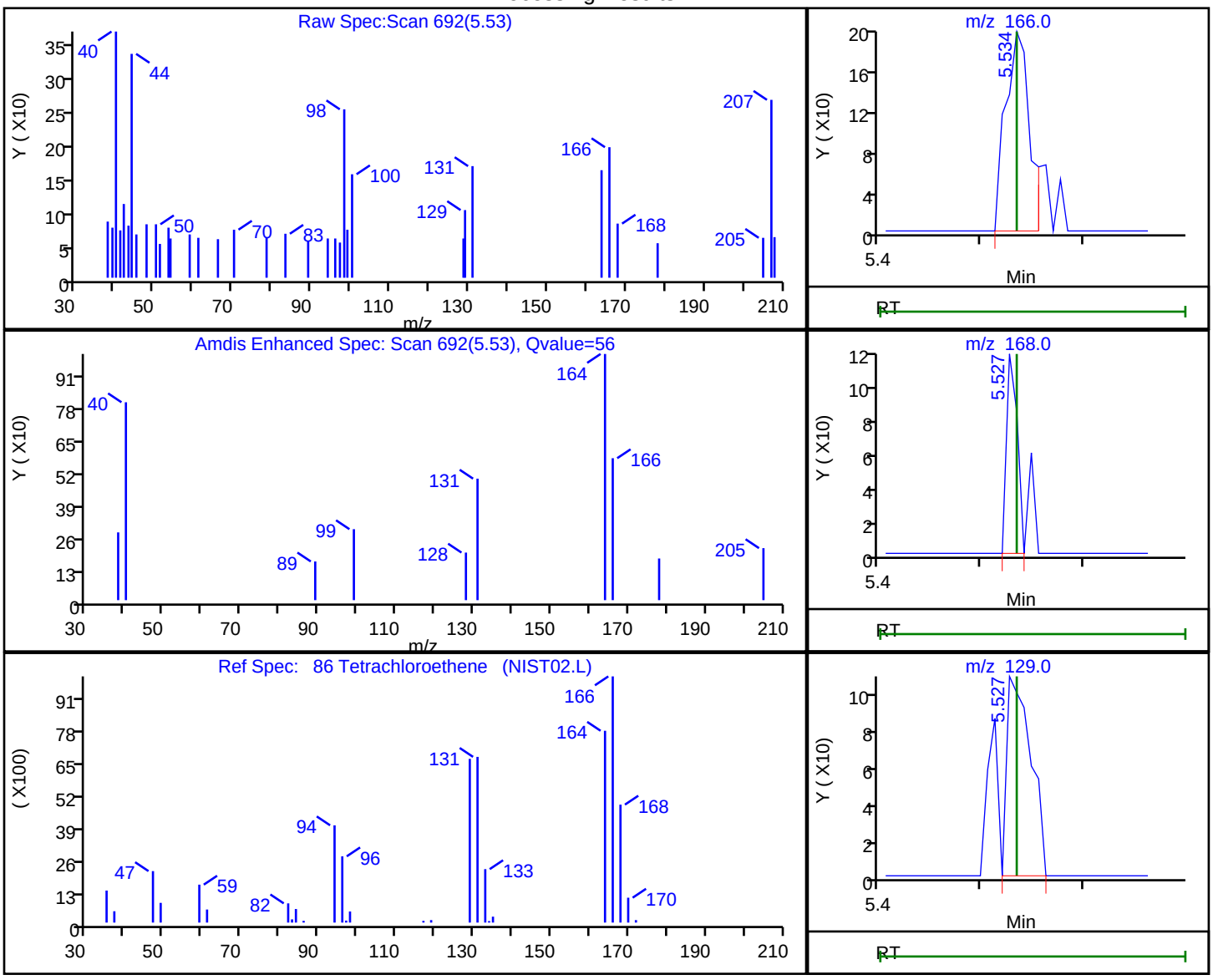
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

86 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
5.53	166.00	319	0.071990
5.53	168.00	83	
5.53	129.00	178	

Reviewer: desais, 23-Aug-2019 09:39:09

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

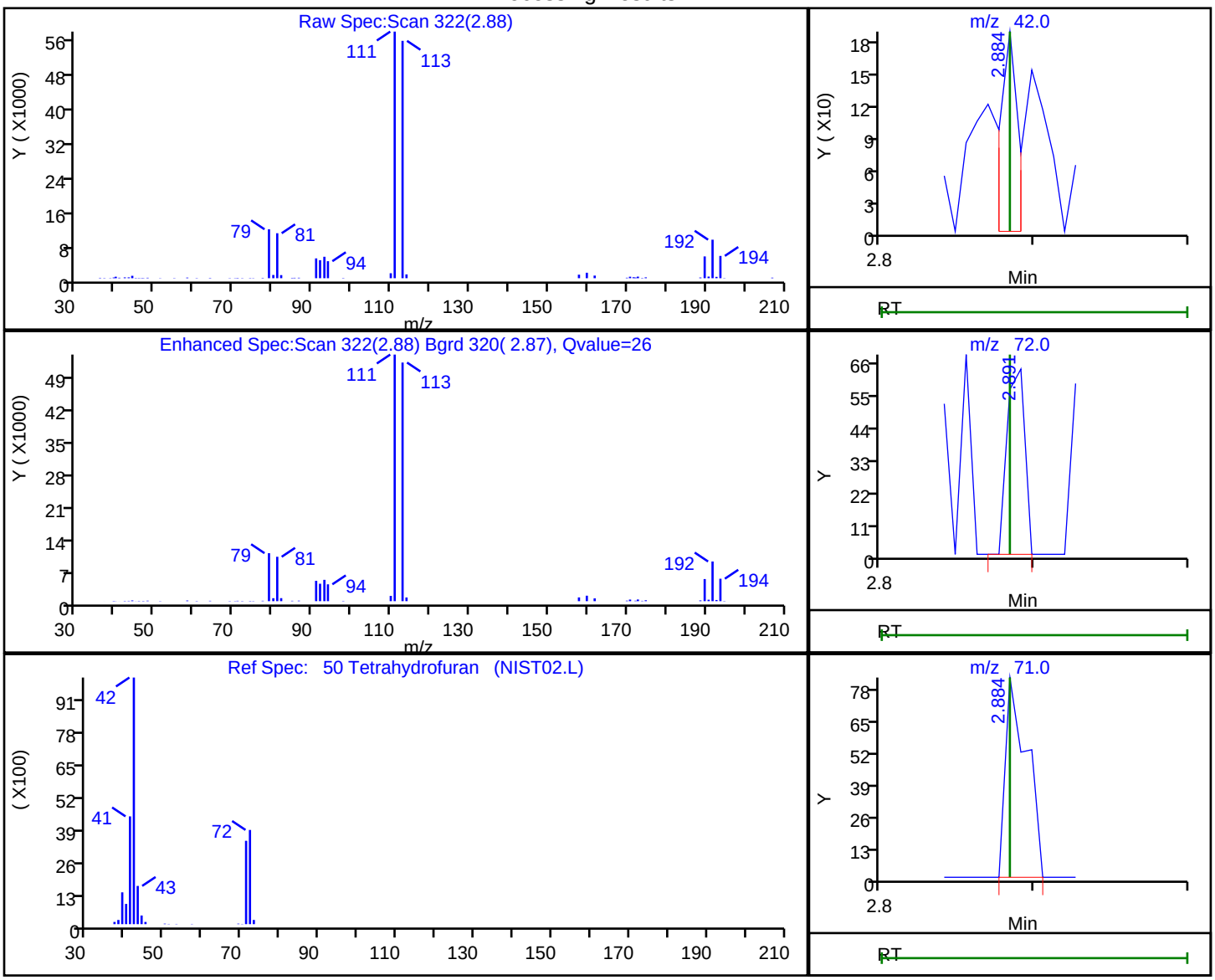
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

50 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
2.88	42.00	153	0.100000
2.89	72.00	52	
2.88	71.00	81	

Reviewer: desais, 23-Aug-2019 09:38:43

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

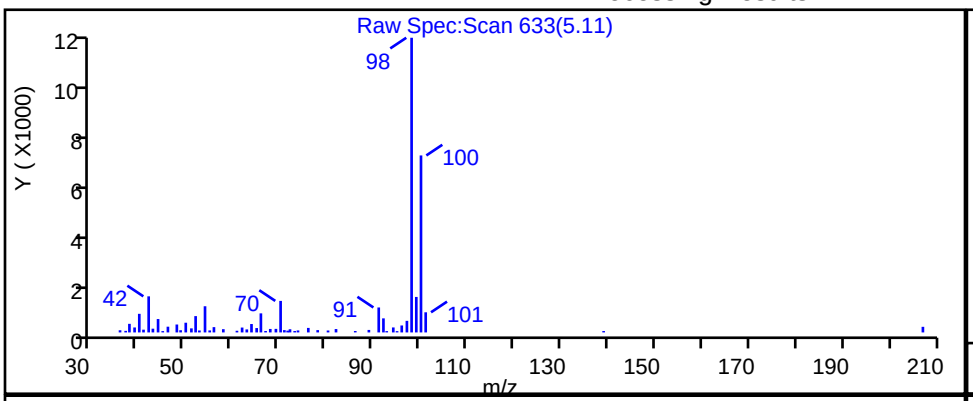
User Disabled Compound Report

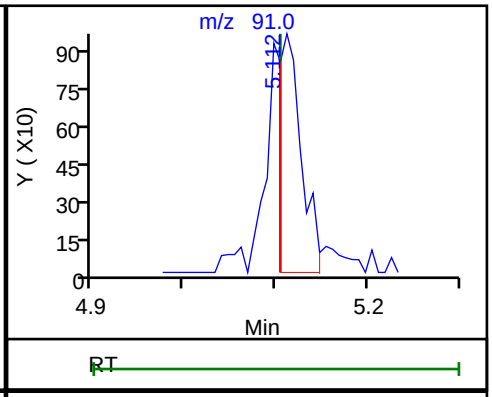
Eurofins TestAmerica, Edison

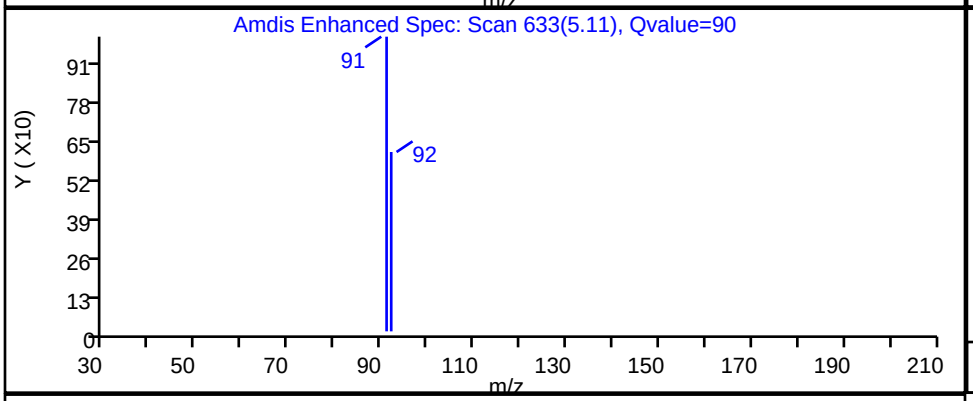
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

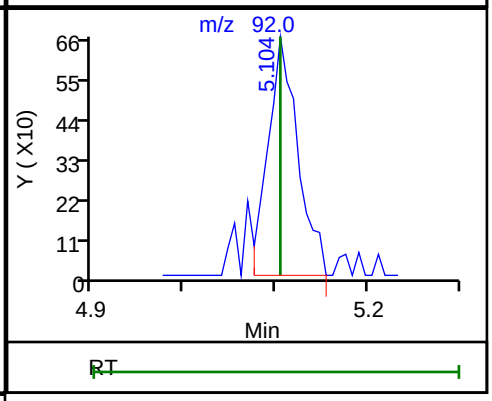
83 Toluene, CAS: 108-88-3

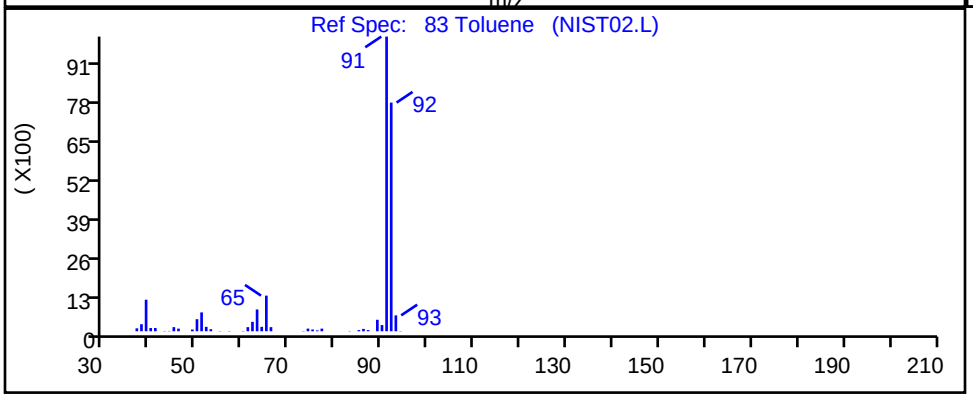
Processing Results











RT	Mass	Response	Amount
5.11	91.00	1637	0.085522
5.10	92.00	1517	

Reviewer: desais, 23-Aug-2019 09:39:07

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

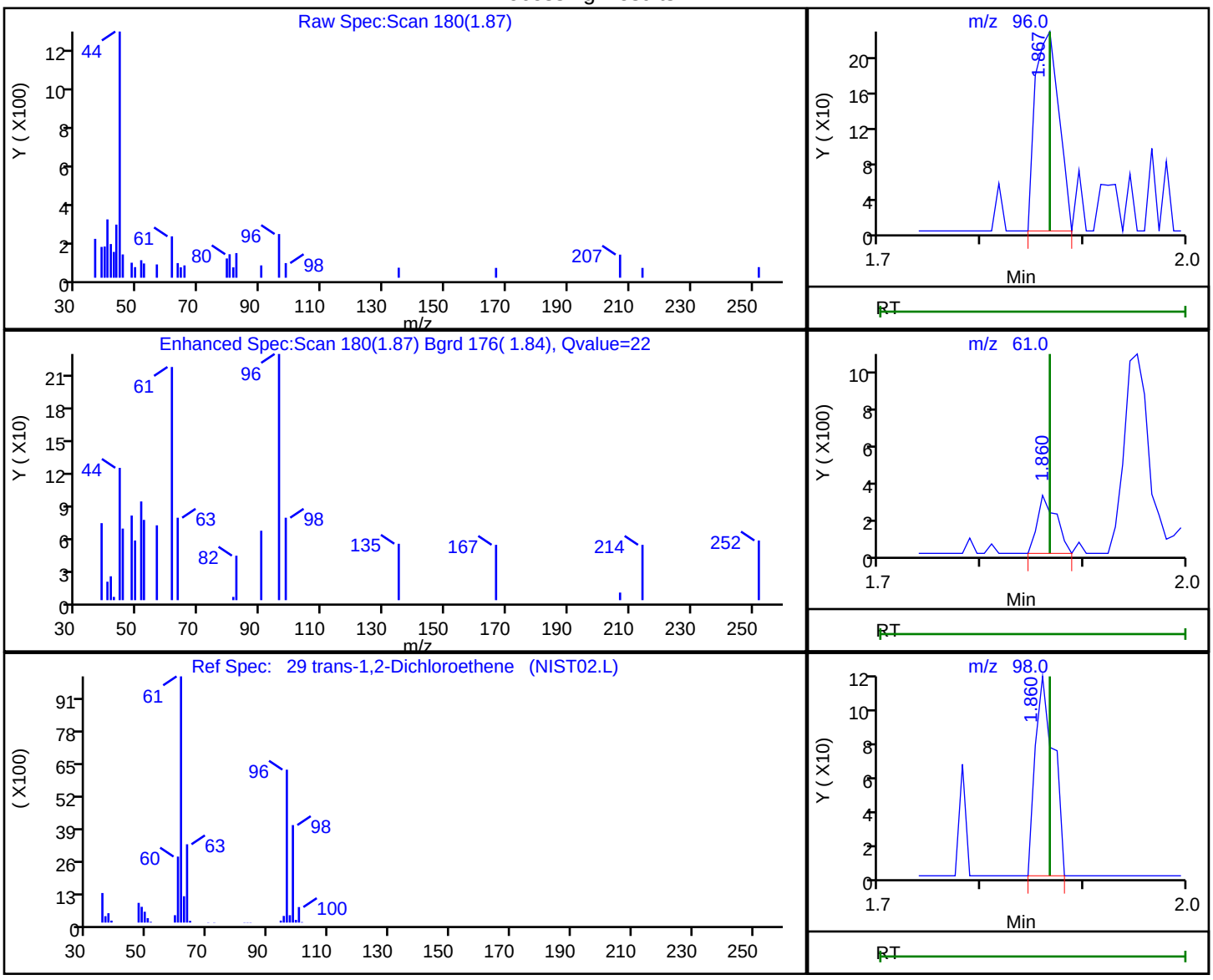
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
1.87	96.00	364	0.068587
1.86	61.00	391	
1.86	98.00	148	

Reviewer: desais, 23-Aug-2019 09:38:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

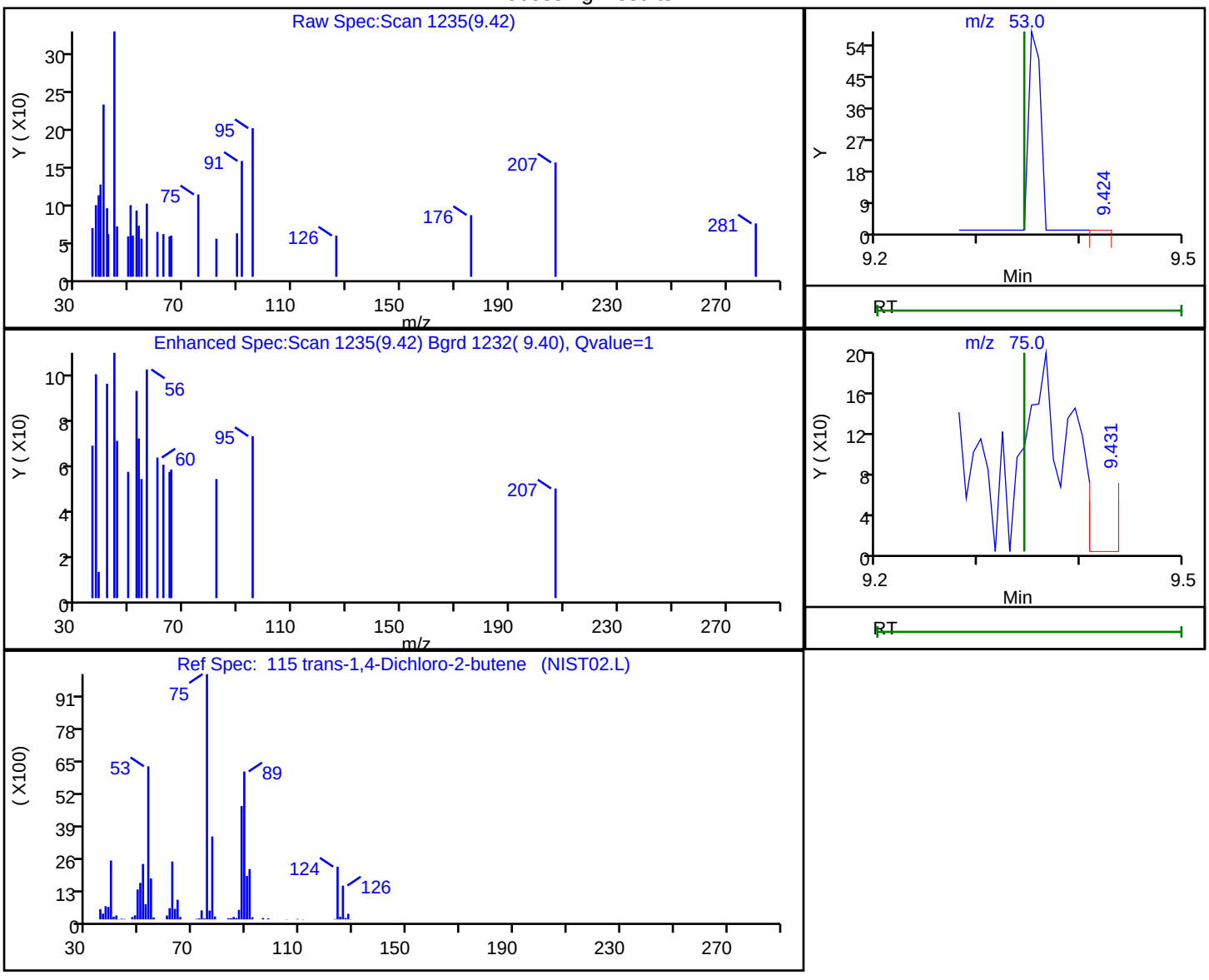
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

115 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Processing Results



RT	Mass	Response	Amount
9.42	53.00	53	0.383100
9.43	75.00	180	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

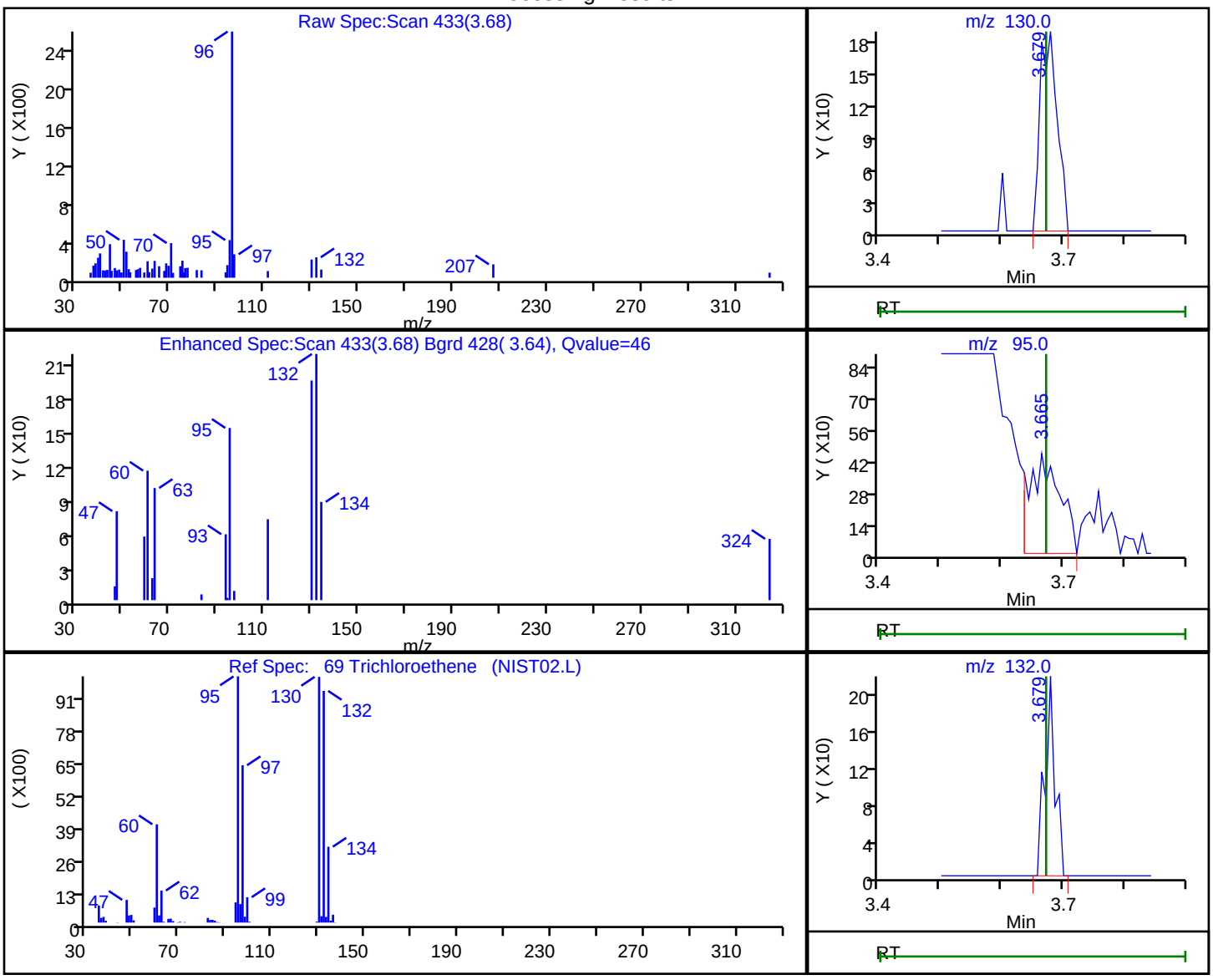
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
3.68	130.00	369	0.081398
3.66	95.00	1551	
3.68	132.00	243	

Reviewer: desais, 23-Aug-2019 09:38:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

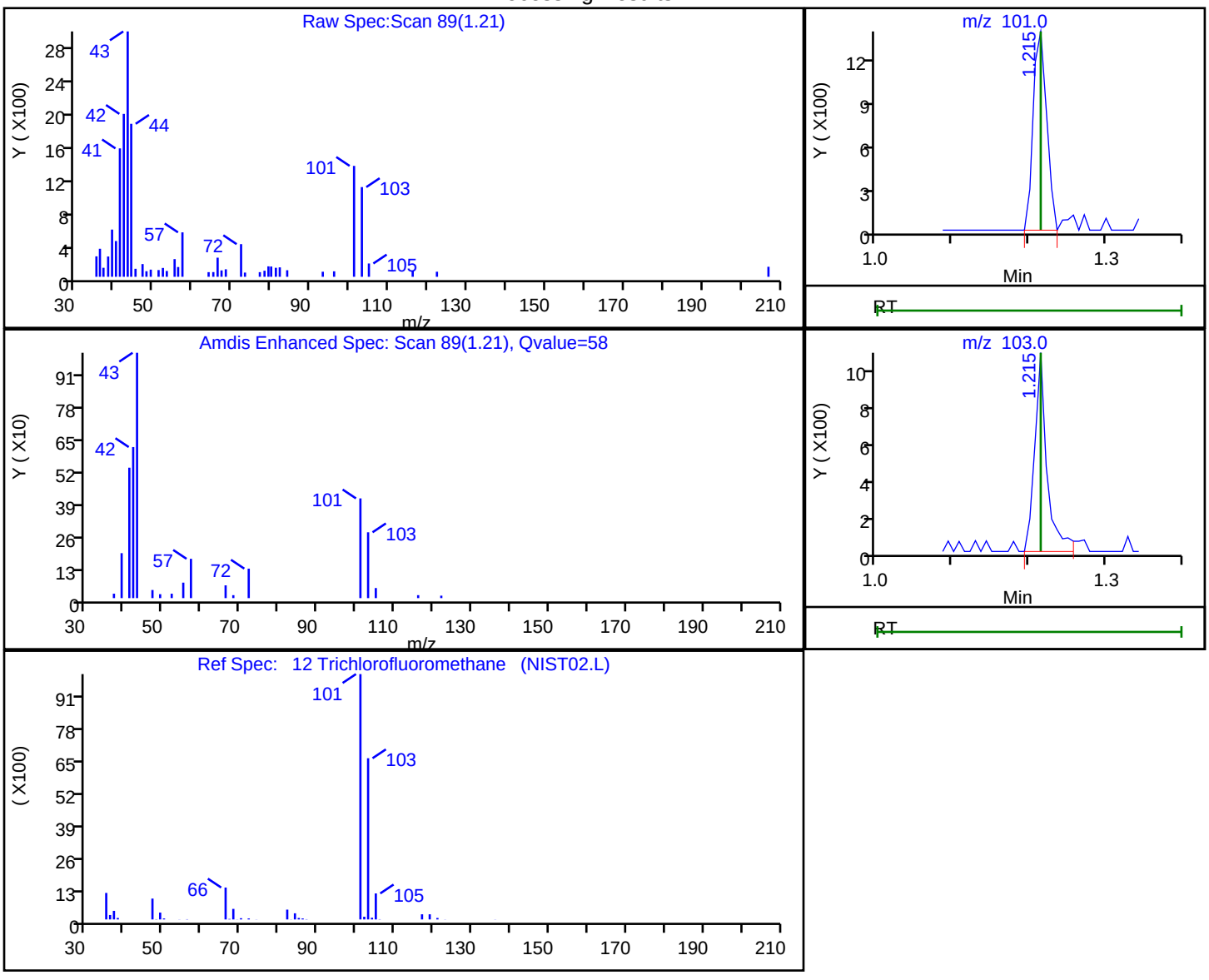
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
1.21	101.00	1626	0.174051
1.21	103.00	1199	

Reviewer: desais, 23-Aug-2019 09:37:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

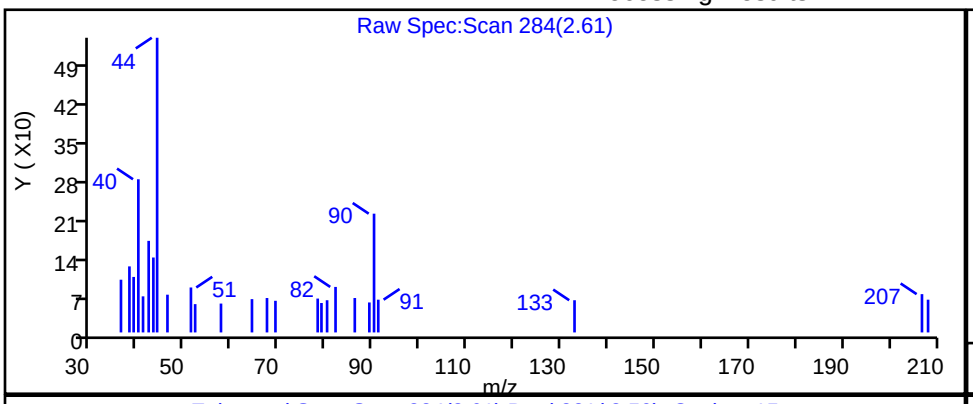
User Disabled Compound Report

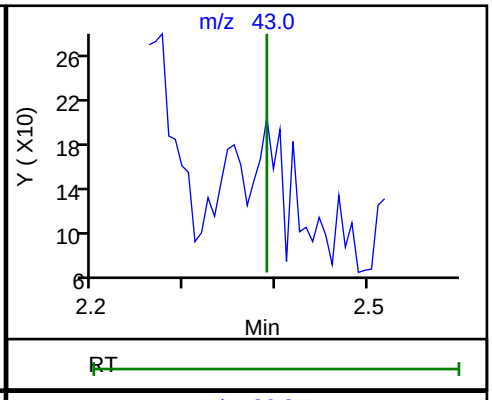
Eurofins TestAmerica, Edison

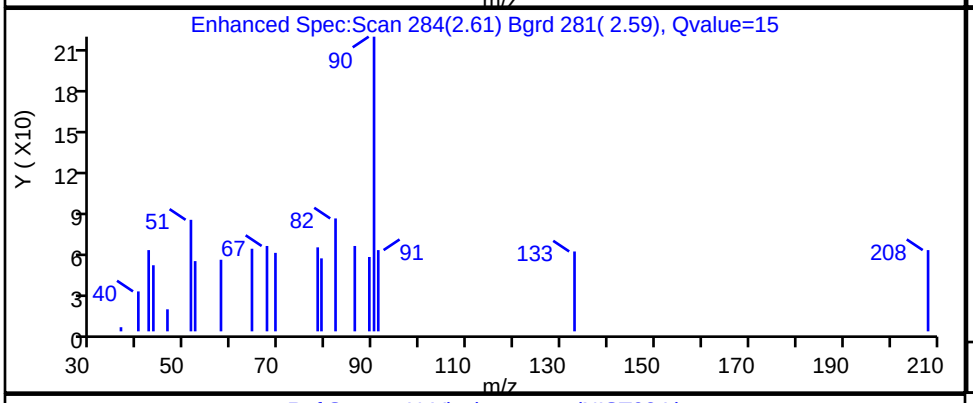
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

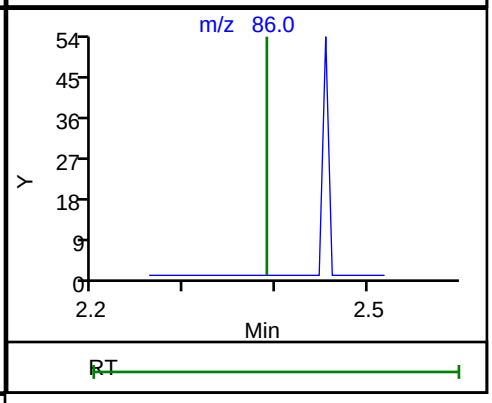
41 Vinyl acetate, CAS: 108-05-4

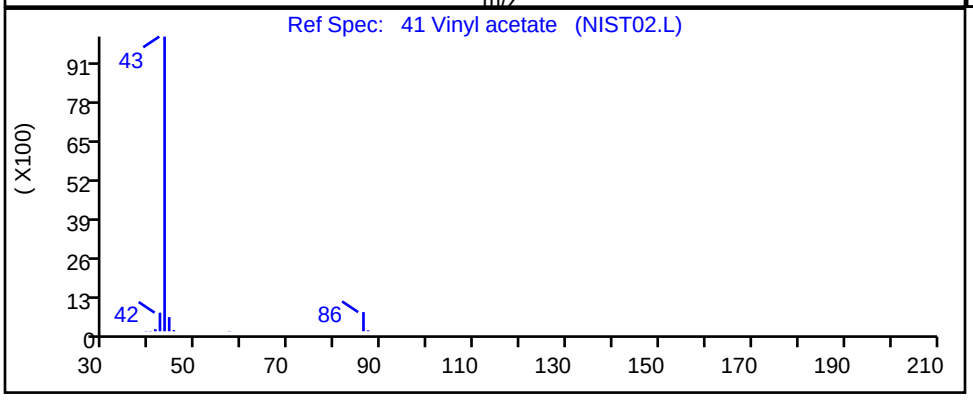
Processing Results











RT	Mass	Response	Amount
2.61	43.00	207	0.023503
2.62	86.00	63	

Reviewer: desais, 23-Aug-2019 09:38:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

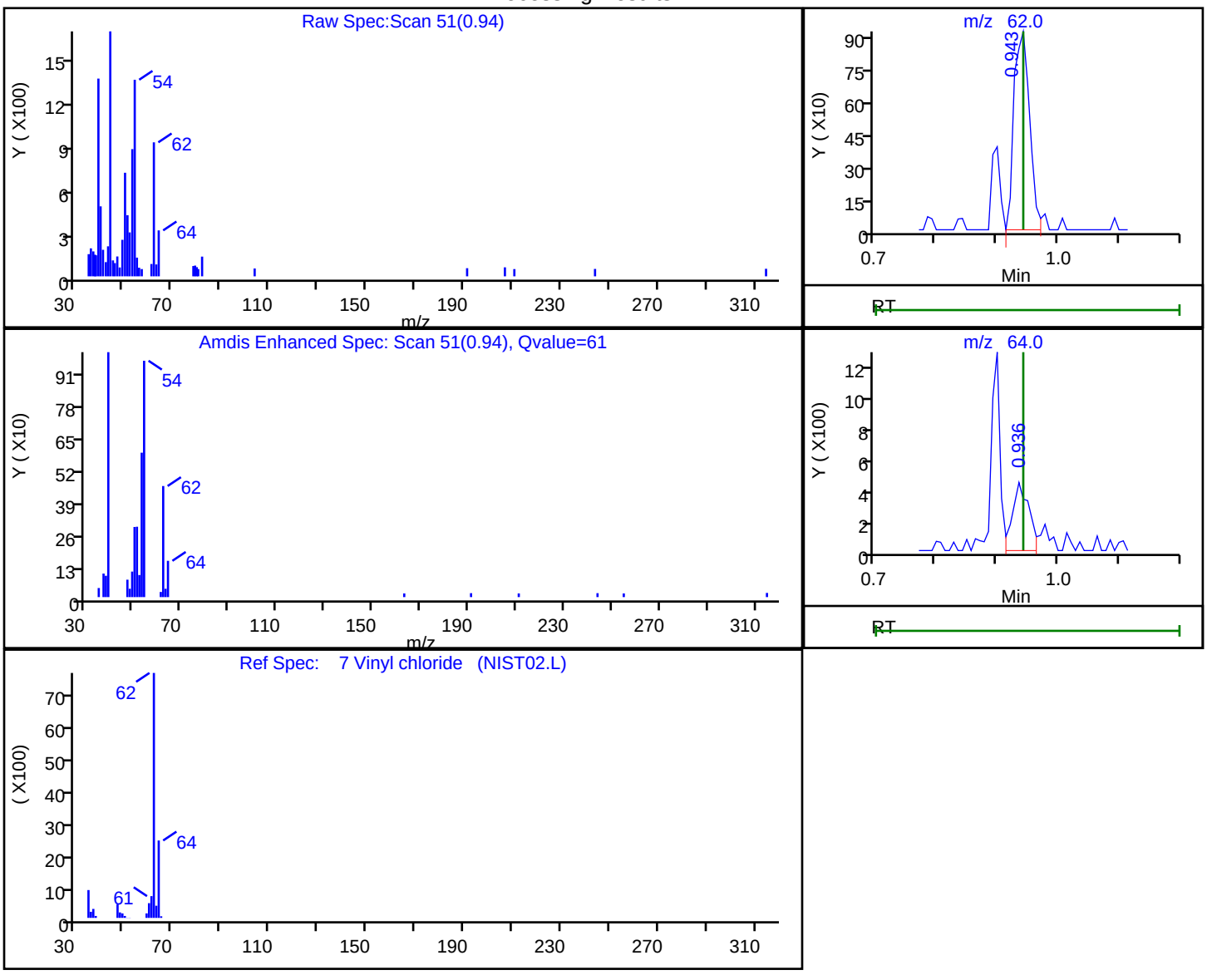
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
0.94	62.00	1653	0.279339
0.94	64.00	800	

Reviewer: desais, 23-Aug-2019 09:37:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Aug-2019 09:06:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0096522-004
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:35:35 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 09:30:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.735	0.756	-0.021	1	275	1.00	2.91	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	86	697	1.00	0.8722	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	98	5779	1.00	1.21	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	93	2192	1.00	1.00	
5 Chlorodifluoromethane	67	0.843	0.835	0.008	96	1026	1.00	1.12	a
6 Chloromethane	50	0.914	0.914	0.000	99	5212	1.00	1.09	
8 Butadiene	54	0.936	0.936	0.000	97	5142	1.00	0.9880	
7 Vinyl chloride	62	0.943	0.943	0.000	73	5754	1.00	1.07	
9 Bromomethane	94	1.086	1.086	0.000	97	1812	1.00	1.20	
10 Chloroethane	64	1.151	1.150	0.001	98	3650	1.00	1.30	
11 Pentane	72	1.215	1.208	0.007	97	1588	2.00	1.96	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	59	6364	1.00	1.18	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	8653	1.00	1.15	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	93	5144	1.00	0.99	
15 Ethyl ether	59	1.365	1.365	0.000	95	3386	1.00	1.00	
16 Ethanol	46	1.437	1.444	-0.007	99	1024	40.0	47.3	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	97	3196	1.00	1.04	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	79	6148	1.00	1.08	
19 Carbon disulfide	76	1.480	1.480	0.000	100	12122	1.00	1.03	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	90	3269	1.00	1.07	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	93	5355	1.00	1.00	
22 Iodomethane	142	1.552	1.544	0.008	72	474	1.00	0.1075	
23 Cyclopentene	67	1.616	1.616	0.000	97	9663	1.00	1.02	
24 Acrolein	56	1.638	1.637	0.001	95	1313	4.00	4.28	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	88	2181	1.00	0.99	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	3196	10.0	13.4	
27 Methylene Chloride	84	1.774	1.774	0.000	95	5564	1.00	1.29	
28 Acetone	43	1.802	1.802	0.000	83	5663	5.00	5.46	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	3502	1.00	0.9700	
30 Methyl acetate	43	1.874	1.874	0.000	100	6218	2.00	2.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	74	695	1.00	1.08	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	95	10492	1.00	0.9468	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	297430	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	97	4059	10.0	12.2	
35 Acetonitrile	41	2.067	2.067	0.000	96	4543	10.0	9.59	
36 Isopropyl ether	45	2.161	2.160	0.001	96	14865	1.00	0.9479	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	94	3313	1.00	1.00	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	8117	1.00	1.05	
39 Acrylonitrile	53	2.261	2.254	0.007	93	14321	10.0	9.31	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	89	13062	1.00	0.9237	
41 Vinyl acetate	43	2.397	2.390	0.007	99	14516	2.00	1.74	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	95	4712	1.00	1.07	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	91	5697	1.00	0.9836	
44 Cyclohexane	56	2.698	2.705	-0.007	96	5865	1.00	0.9418	
45 Chlorobromomethane	128	2.712	2.705	0.007	92	2168	1.00	1.03	
46 Chloroform	83	2.769	2.769	0.000	97	6940	1.00	0.9341	
47 Carbon tetrachloride	117	2.855	2.855	0.000	96	5226	1.00	1.06	
48 Ethyl acetate	70	2.870	2.870	0.000	97	884	2.00	2.04	
49 Methyl acrylate	55	2.877	2.870	0.007	48	3215	1.00	0.9059	
50 Tetrahydrofuran	42	2.884	2.884	0.000	34	2468	2.00	1.69	a
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	197253	50.0	50.5	
52 1,1,1-Trichloroethane	97	2.906	2.905	0.001	91	5899	1.00	0.9751	
* 53 2-Butanone-d5	46	2.956	2.963	-0.007	0	406104	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.998	0.001	94	2618	5.00	5.61	
55 1,1-Dichloropropene	75	2.999	2.998	0.001	87	6685	1.00	1.09	a
56 Isooctane	57	3.085	3.084	0.001	98	6509	1.00	0.9138	
57 n-Heptane	57	3.185	3.178	0.007	43	1647	1.00	0.8845	a
58 Benzene	78	3.192	3.185	0.007	97	16871	1.00	0.9437	
59 Propionitrile	54	3.214	3.206	0.008	60	5346	10.0	9.93	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	13920	10.0	8.88	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	251805	50.0	49.7	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	94	11137	1.00	0.9452	
63 1,2-Dichloroethane	62	3.342	3.349	-0.007	94	6784	1.00	1.11	
64 Isobutyl alcohol	43	3.428	3.428	0.000	96	3024	25.0	21.9	
65 t-Amyl alcohol	59	3.500	3.493	0.007	86	1837	10.0	8.60	a
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	862740	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	97	7121	1.00	0.8717	
68 Methylcyclohexane	83	3.658	3.657	0.001	91	4589	1.00	1.01	
69 Trichloroethene	130	3.679	3.672	0.007	95	4023	1.00	0.9640	
70 2-ethoxy-2-methyl butane	59	3.923	3.922	0.001	93	9441	1.00	0.8732	
71 Dibromomethane	93	4.044	4.037	0.007	94	2230	1.00	0.9034	
72 n-Butanol	56	4.066	4.059	0.007	73	1307	25.0	25.6	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	86	4270	1.00	0.9228	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	5181	1.00	0.9510	
74 Ethyl acrylate	55	4.231	4.216	0.015	73	2697	1.00	1.00	
* 76 1,4-Dioxane-d8	96	4.395	4.402	-0.007	0	34139	1000.0	1000.0	
77 Methyl methacrylate	100	4.417	4.410	0.007	66	1693	2.00	1.71	
78 1,4-Dioxane	88	4.438	4.431	0.007	44	1943	50.0	47.1	
79 n-Propyl acetate	43	4.574	4.567	0.007	98	4462	1.00	0.8024	
80 2-Chloroethyl vinyl ether	63	4.840	4.825	0.015	91	1838	1.00	0.7370	
81 cis-1,3-Dichloropropene	75	4.868	4.854	0.014	97	4645	1.00	0.7138	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	98	830859	50.0	49.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.105	5.104	0.001	93	19378	1.00	1.01	
84 Epichlorohydrin	57	5.140	5.133	0.007	96	5294	20.0	16.5	
85 2-Nitropropane	41	5.355	5.355	0.000	97	1536	2.00	1.72	
86 Tetrachloroethene	166	5.534	5.534	0.000	96	4363	1.00	1.06	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	15551	5.00	4.30	
88 trans-1,3-Dichloropropene	75	5.620	5.606	0.014	90	4454	1.00	0.7490	
89 1,1,2-Trichloroethane	83	5.785	5.778	0.007	94	3090	1.00	0.9787	Ma
90 Ethyl methacrylate	69	5.878	5.864	0.014	88	3652	1.00	0.7209	
91 Chlorodibromomethane	129	5.978	5.978	0.000	96	3206	1.00	0.8567	
92 1,3-Dichloropropane	76	6.100	6.093	0.007	96	5640	1.00	0.8702	
93 Ethylene Dibromide	107	6.229	6.222	0.007	97	2882	1.00	0.8186	
94 n-Butyl acetate	43	6.580	6.573	0.007	98	3533	1.00	1.02	
95 2-Hexanone	43	6.645	6.630	0.015	96	8773	5.00	3.55	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	634847	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	89	12217	1.00	1.05	
98 Ethylbenzene	106	7.024	7.017	0.007	99	5879	1.00	0.9741	
99 1,1,1,2-Tetrachloroethane	131	7.039	7.046	-0.007	80	3265	1.00	0.8875	
100 m-Xylene & p-Xylene	106	7.239	7.232	0.007	0	7454	1.00	0.9884	
101 o-Xylene	106	7.827	7.819	0.008	93	6629	1.00	0.9315	
102 Bromoform	173	7.891	7.884	0.007	92	1613	1.00	0.7467	
103 Styrene	104	7.920	7.905	0.015	94	7766	1.00	1.01	
104 n-Butyl acrylate	73	8.256	8.235	0.021	94	1540	1.00	1.01	
105 Isopropylbenzene	105	8.306	8.306	0.000	97	14486	1.00	0.8568	
106 Amyl acetate (mixed isomer	43	8.665	8.650	0.015	37	3939	1.00	1.02	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	254879	50.0	49.0	
108 Bromobenzene	156	8.786	8.786	0.000	97	4690	1.00	0.9652	
109 N-Propylbenzene	91	8.944	8.937	0.007	99	18157	1.00	0.9057	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	97	4447	1.00	0.9806	
111 2-Chlorotoluene	91	9.116	9.109	0.007	97	14116	1.00	0.9243	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	15025	1.00	0.9001	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	94	1367	1.00	1.02	
114 1,3,5-Trimethylbenzene	105	9.281	9.288	-0.007	93	13177	1.00	0.9287	
115 trans-1,4-Dichloro-2-buten	53	9.374	9.345	0.029	64	966	1.00	1.02	M
116 4-Chlorotoluene	91	9.388	9.374	0.014	98	12719	1.00	0.8802	
117 tert-Butylbenzene	119	9.753	9.746	0.007	91	9479	1.00	0.8997	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	97	12514	1.00	0.8763	
119 Butyl Methacrylate	87	9.897	9.889	0.008	45	2263	1.00	0.3650	
120 sec-Butylbenzene	105	10.047	10.040	0.007	98	12931	1.00	0.8795	
121 1,3-Dichlorobenzene	146	10.305	10.298	0.007	93	8212	1.00	0.9639	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	10400	1.00	0.8514	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	346827	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.463	10.455	0.008	95	9792	1.00	1.06	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	98	13613	1.00	0.8831	
126 2,3-Dihydroindene	117	10.742	10.735	0.007	94	14117	1.00	0.9177	
127 Benzyl chloride	126	10.928	10.906	0.022	78	479	1.00	0.3508	
128 p-Diethylbenzene	119	10.935	10.935	0.000	89	5542	1.00	0.8727	
129 n-Butylbenzene	91	11.021	11.014	0.007	99	8894	1.00	0.8236	
130 1,2-Dichlorobenzene	146	11.136	11.121	0.015	95	8013	1.00	0.9387	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	98	8710	1.00	0.7942	
132 1,2-Dibromo-3-Chloropropan	157	12.225	12.217	0.008	83	451	1.00	1.01	
133 1,3,5-Trichlorobenzene	180	12.275	12.267	0.008	94	5173	1.00	1.03	
134 1,2,4-Trichlorobenzene	180	12.955	12.948	0.007	93	4123	1.00	0.8993	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	93	1787	1.00	0.9787	
136 Naphthalene	128	13.256	13.242	0.014	99	8808	1.00	0.8470	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	93	3932	1.00	0.9121	
S 138 1,2-Dichloroethene, Total	100				0		2.00	2.04	
S 139 1,3-Dichloropropene, Total	100				0		2.00	1.46	
S 140 Xylenes, Total	100				0		2.00	1.92	
S 142 Total BTEX	1				0		5.00	4.85	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00329	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00103	Amount Added:	10.00	Units: uL	
ACROLEIN W_00094	Amount Added:	4.00	Units: uL	
524freon_00009	Amount Added:	10.00	Units: uL	
14DIOXINTER_00103	Amount Added:	30.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2019 10:35:37 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D

Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13 Operator ID:

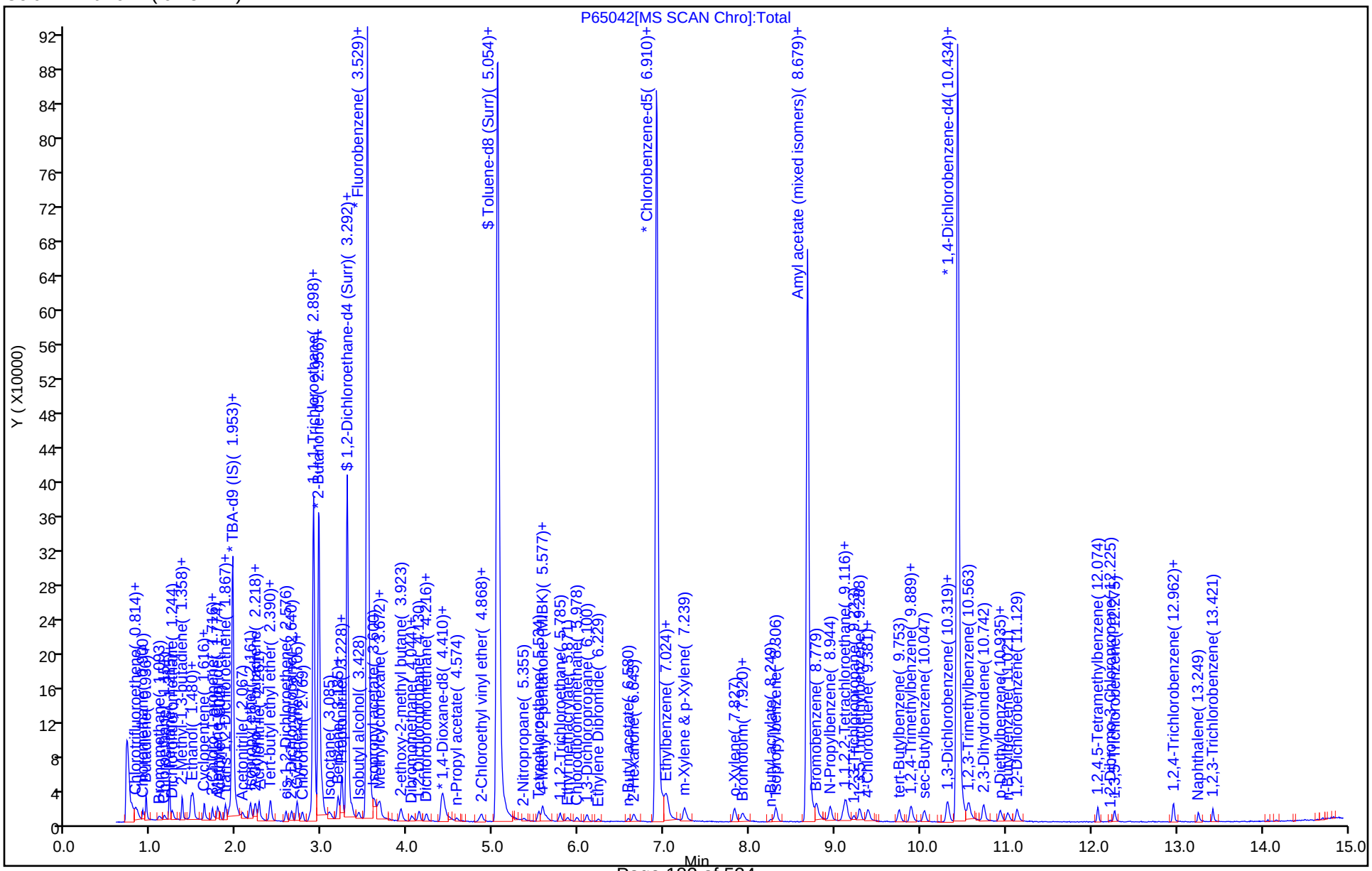
Lims ID: STD1 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

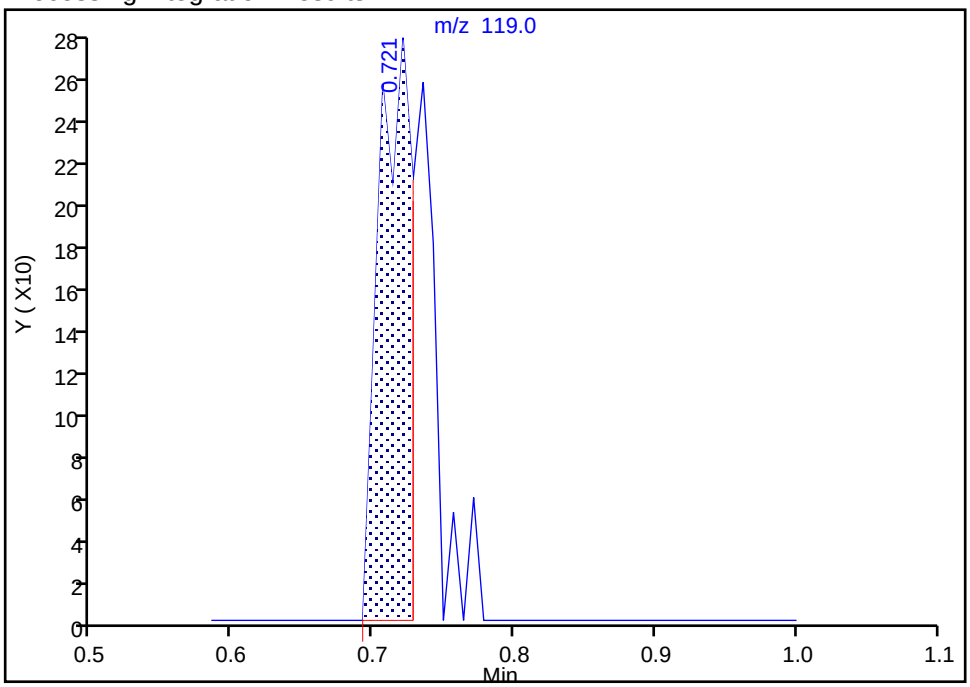
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

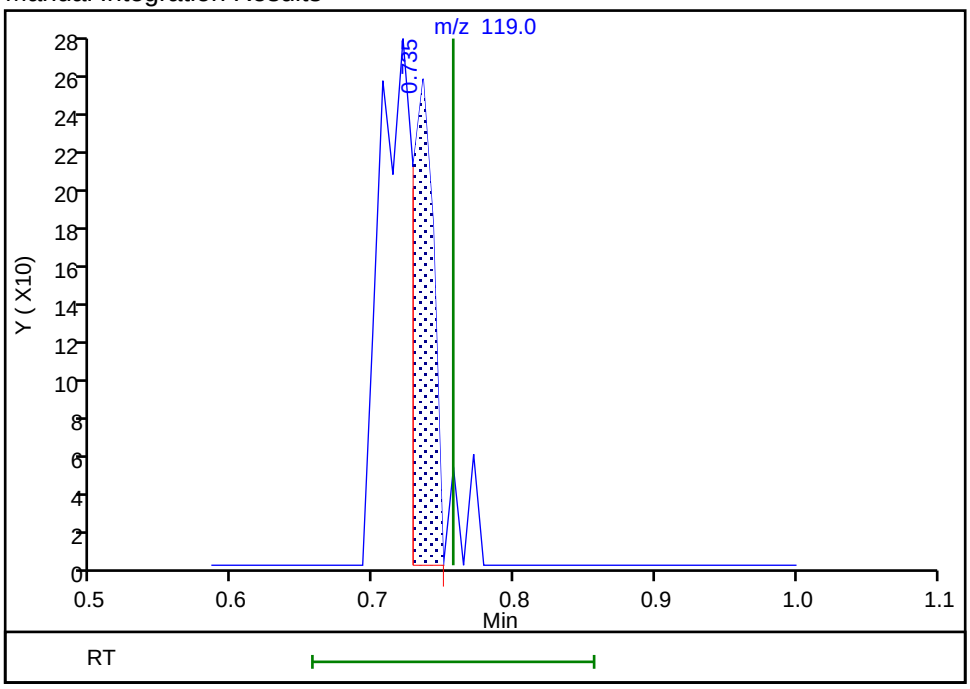
Processing Integration Results

RT: 0.72
Area: 456
Amount: 7.155945
Amount Units: ug/l



Manual Integration Results

RT: 0.74
Area: 275
Amount: 2.910371
Amount Units: ug/l



Reviewer: pakanatir, 23-Aug-2019 17:01:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

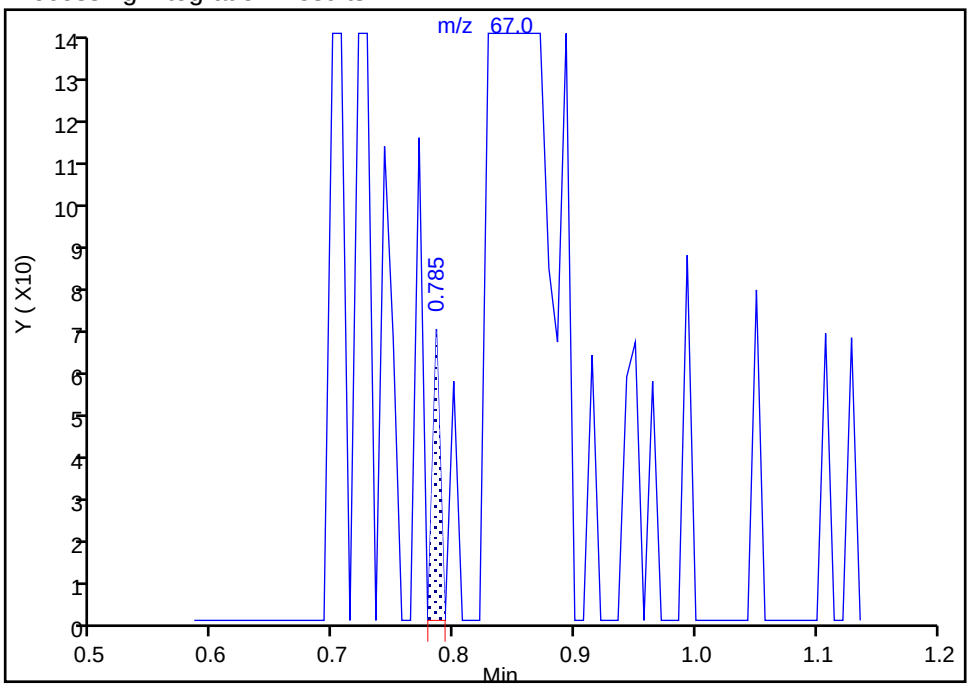
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

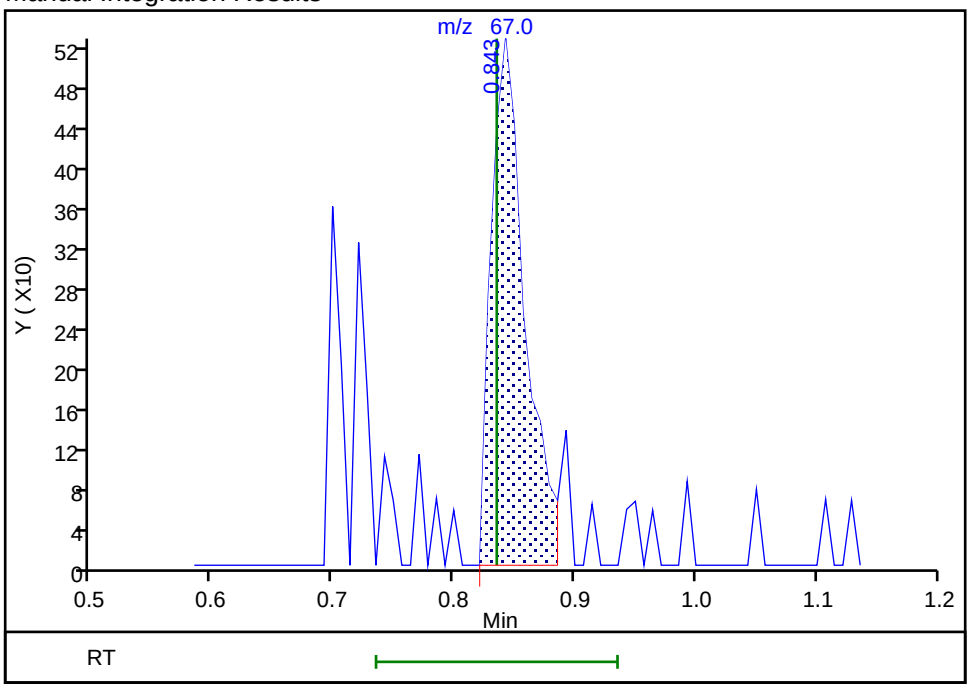
Processing Integration Results

RT: 0.79
Area: 29
Amount: 0.027157
Amount Units: ug/l



Manual Integration Results

RT: 0.84
Area: 1026
Amount: 1.123502
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:28:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

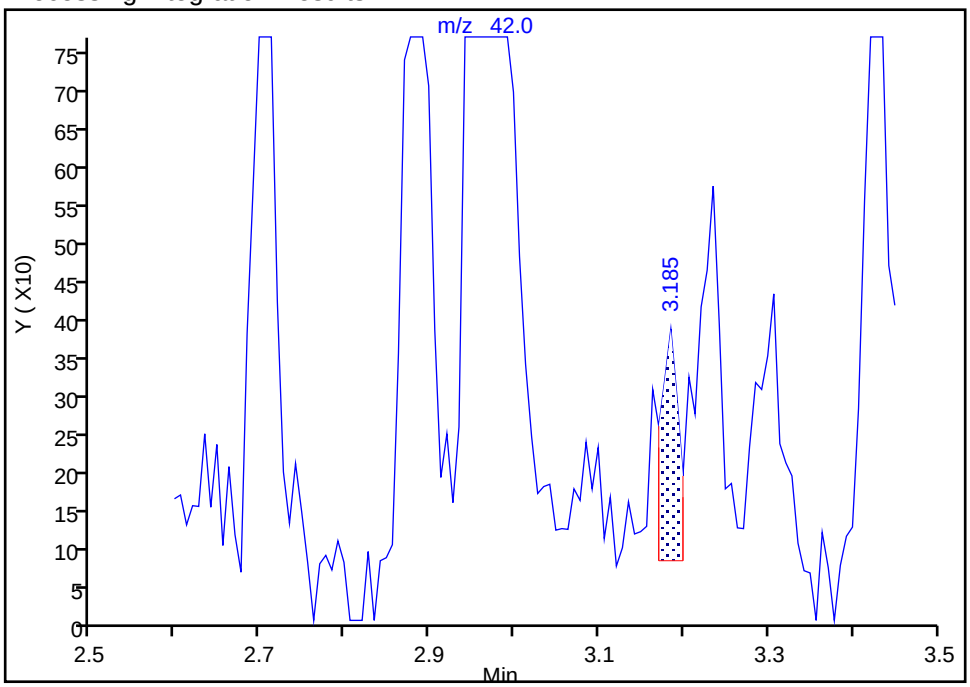
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

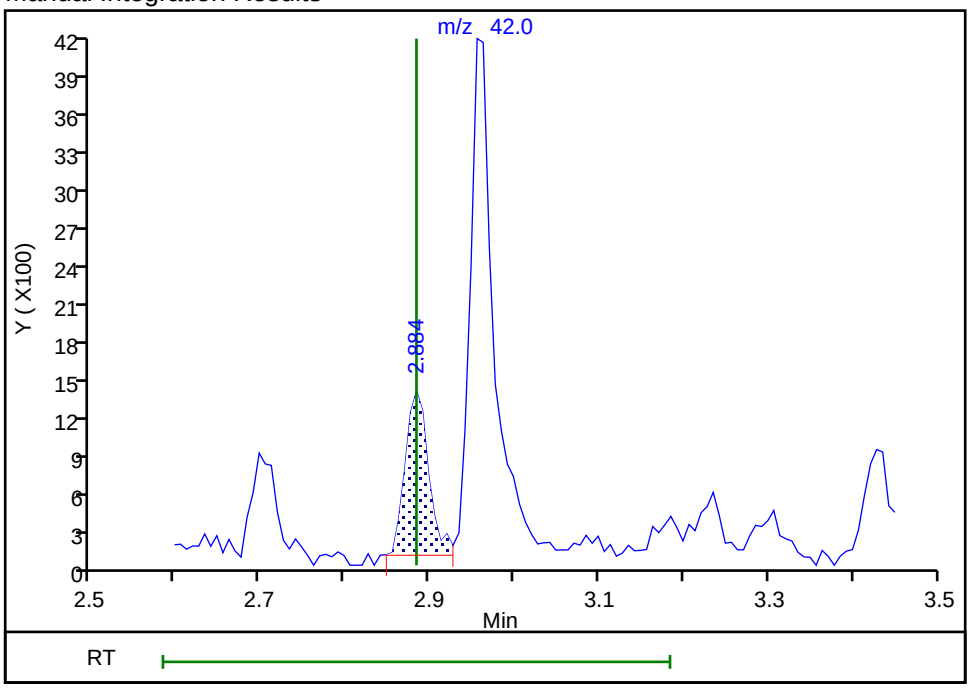
Processing Integration Results

RT: 3.18
Area: 448
Amount: 0.272693
Amount Units: ug/l



Manual Integration Results

RT: 2.88
Area: 2468
Amount: 1.685571
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:28:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

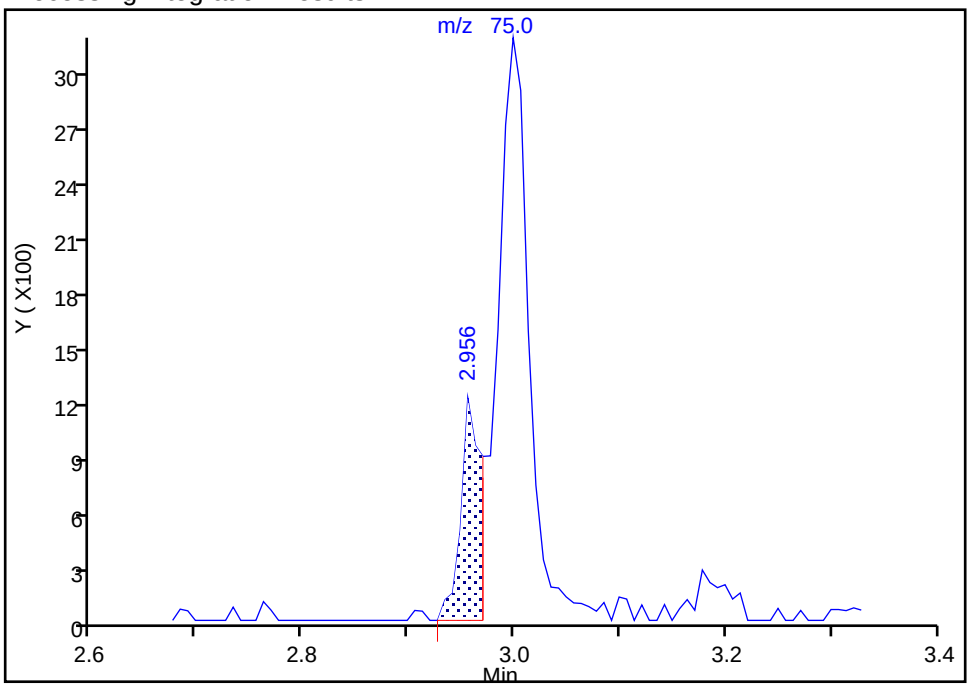
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

55 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

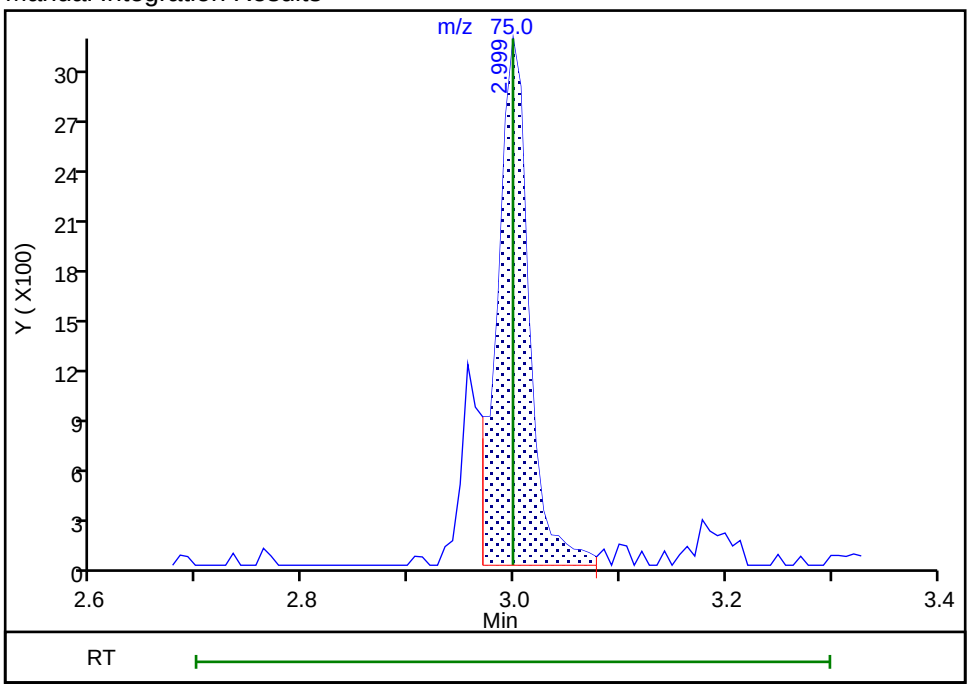
Processing Integration Results

RT: 2.96
Area: 1634
Amount: 0.252529
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 6685
Amount: 1.086855
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:28:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

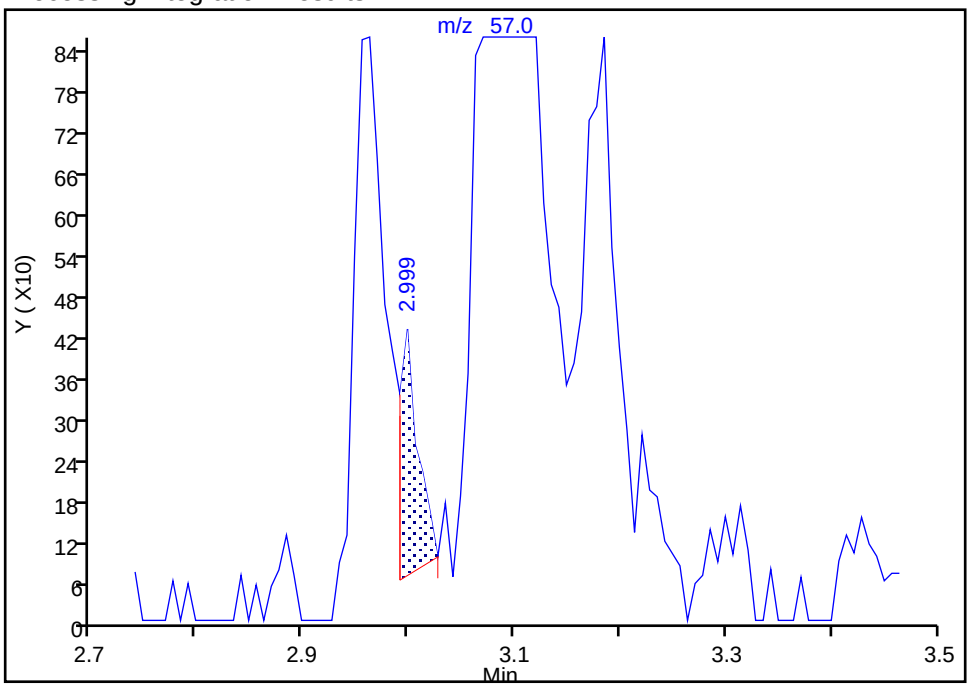
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 n-Heptane, CAS: 142-82-5

Signal: 1

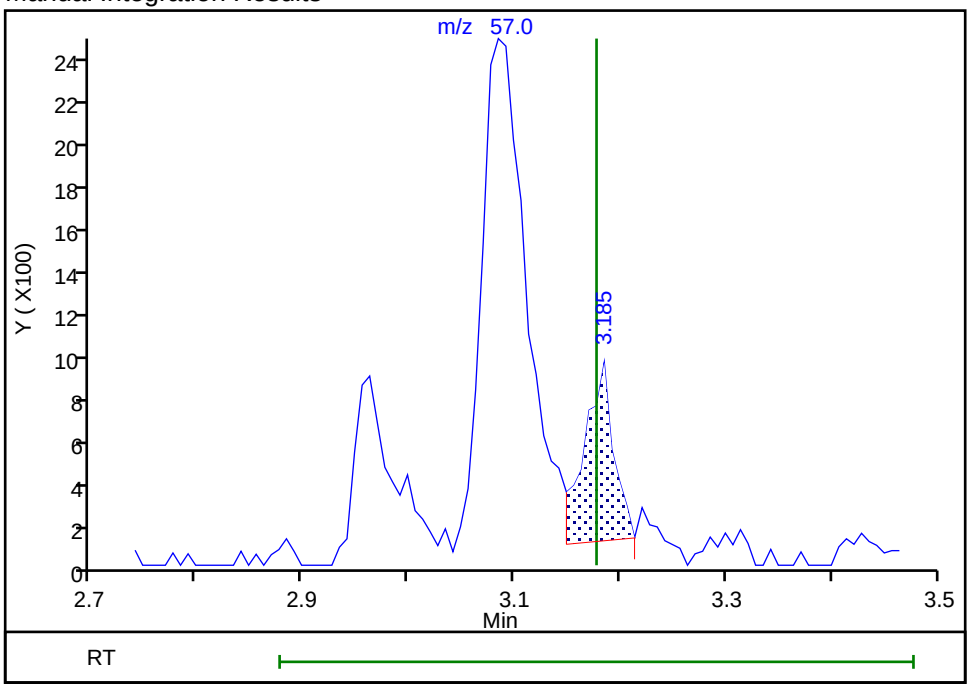
Processing Integration Results

RT: 3.00
Area: 442
Amount: 0.218793
Amount Units: ug/l



Manual Integration Results

RT: 3.18
Area: 1647
Amount: 0.884548
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:28:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

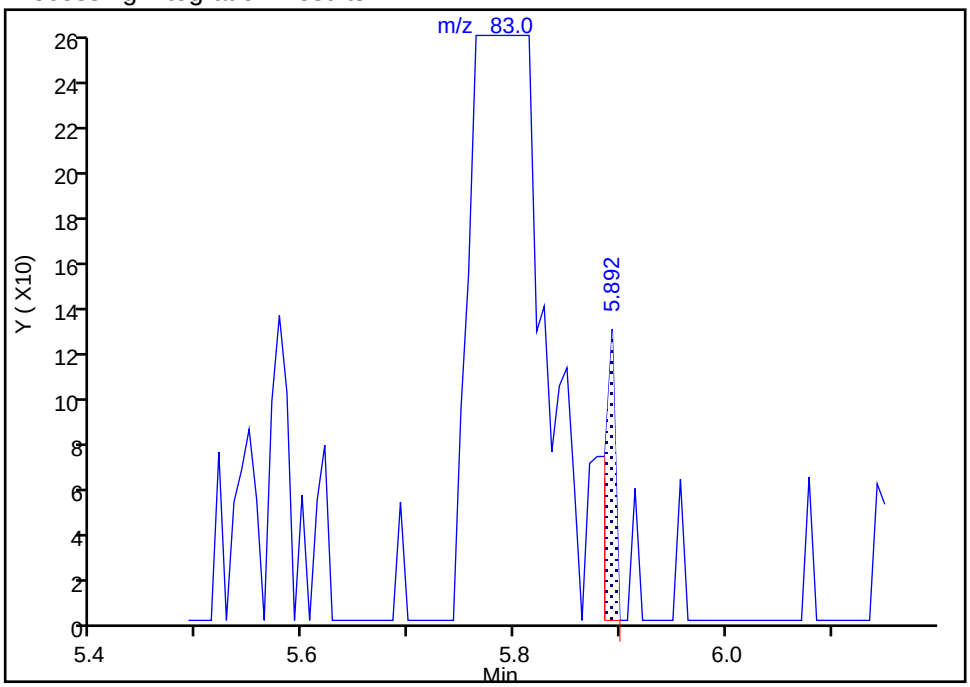
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

89 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

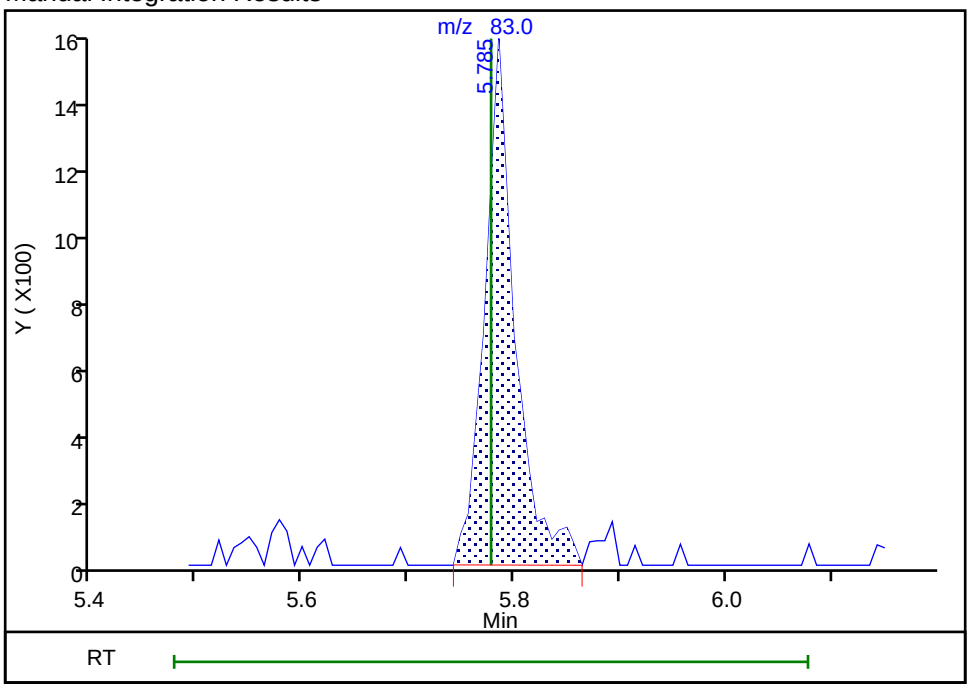
Processing Integration Results

RT: 5.89
Area: 86
Amount: 0.028099
Amount Units: ug/l



Manual Integration Results

RT: 5.79
Area: 3090
Amount: 0.978735
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:29:23
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

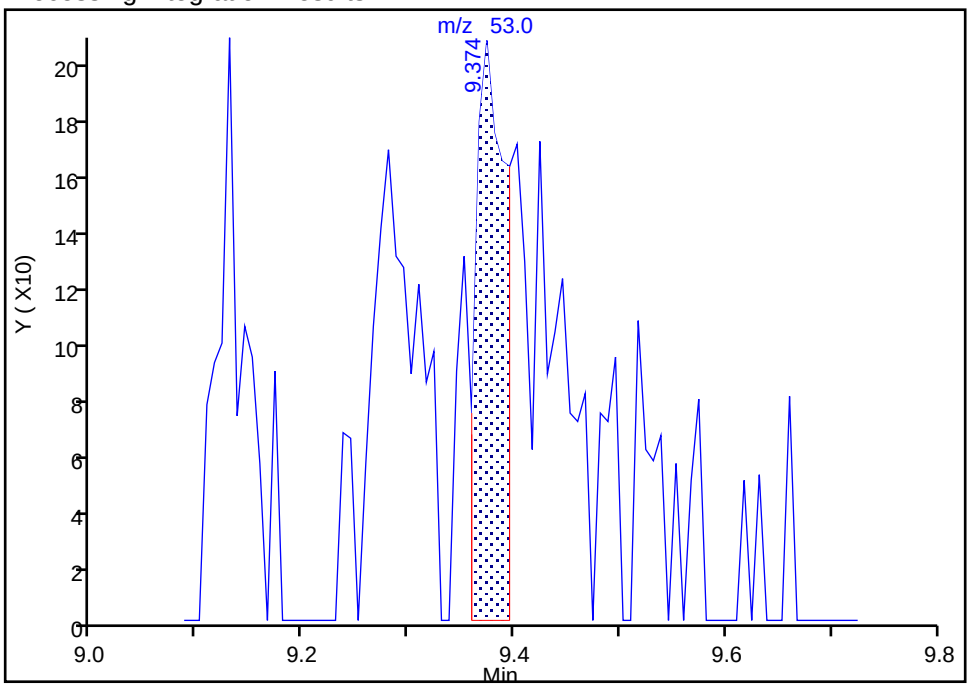
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

115 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

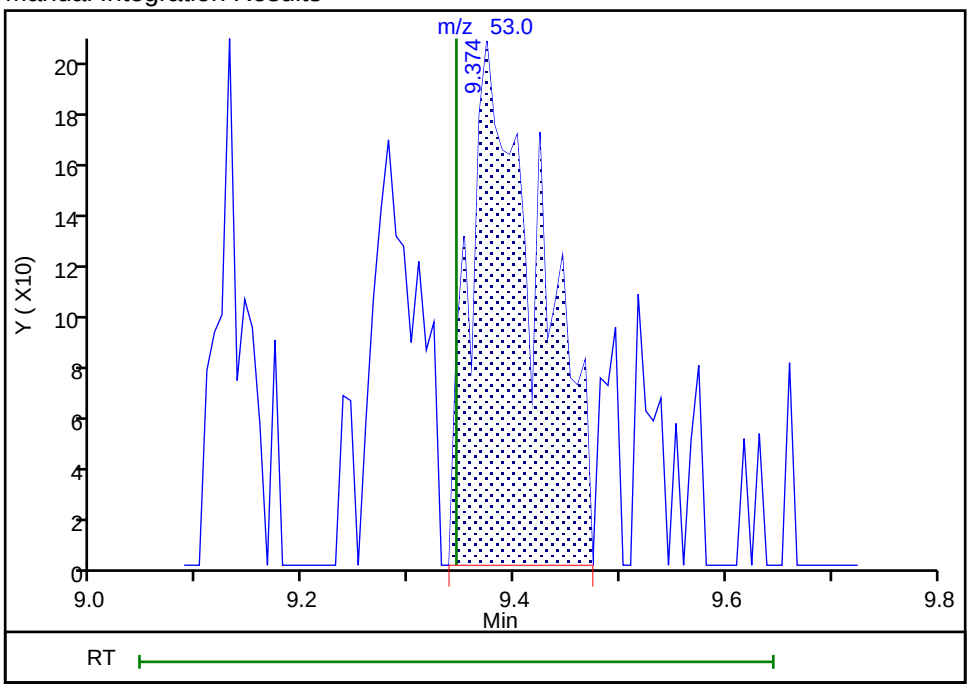
Processing Integration Results

RT: 9.37
Area: 412
Amount: 0.806473
Amount Units: ug/l



Manual Integration Results

RT: 9.37
Area: 966
Amount: 1.022981
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:29:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 23-Aug-2019 09:55:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0096522-006
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:33:57 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 09:25:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.756	0.756	0.000	27	557	20.0	5.82	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	87	15345	20.0	19.0	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	99004	20.0	20.4	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	97	41947	20.0	18.9	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	96	17764	20.0	19.2	a
6 Chloromethane	50	0.914	0.914	0.000	99	96934	20.0	20.1	
8 Butadiene	54	0.936	0.936	0.000	97	97358	20.0	18.5	
7 Vinyl chloride	62	0.943	0.943	0.000	98	110301	20.0	20.2	
9 Bromomethane	94	1.086	1.086	0.000	98	31551	20.0	20.2	
10 Chloroethane	64	1.150	1.150	0.000	99	60469	20.0	21.8	
11 Pentane	72	1.208	1.208	0.000	96	23277	40.0	39.5	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	96	119738	20.0	21.9	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	157340	20.0	20.7	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	105487	20.0	20.1	
15 Ethyl ether	59	1.365	1.365	0.000	95	67273	20.0	19.6	
16 Ethanol	46	1.444	1.444	0.000	99	15986	800.0	731.0	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	84	117642	20.0	20.4	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	95	62909	20.0	20.2	
19 Carbon disulfide	76	1.480	1.480	0.000	100	222576	20.0	18.8	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	96	62321	20.0	20.1	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	94	112516	20.0	20.8	
22 Iodomethane	142	1.544	1.544	0.000	99	42218	20.0	9.48	
23 Cyclopentene	67	1.616	1.616	0.000	97	186727	20.0	19.4	
24 Acrolein	56	1.637	1.637	0.000	94	12784	40.0	41.2	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	42864	20.0	19.3	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	42993	200.0	178.3	
27 Methylene Chloride	84	1.774	1.774	0.000	98	81586	20.0	18.7	
28 Acetone	43	1.802	1.802	0.000	85	102007	100.0	94.8	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	99	73749	20.0	20.2	
30 Methyl acetate	43	1.874	1.874	0.000	100	123664	40.0	41.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	87	12292	20.0	18.9	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	217559	20.0	19.4	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	300362	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	98	60768	200.0	181.4	
35 Acetonitrile	41	2.067	2.067	0.000	99	95891	200.0	200.5	
36 Isopropyl ether	45	2.160	2.160	0.000	96	298475	20.0	18.8	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	93	65298	20.0	19.5	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	153798	20.0	19.7	
39 Acrylonitrile	53	2.254	2.254	0.000	93	291391	200.0	187.0	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	270029	20.0	18.9	
41 Vinyl acetate	43	2.390	2.390	0.000	100	315905	40.0	37.4	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	95	86891	20.0	19.5	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	95	109844	20.0	18.7	
44 Cyclohexane	56	2.705	2.705	0.000	93	116934	20.0	18.5	
45 Chlorobromomethane	128	2.705	2.705	0.000	95	43694	20.0	20.5	
46 Chloroform	83	2.769	2.769	0.000	98	152114	20.0	20.2	
47 Carbon tetrachloride	117	2.855	2.855	0.000	97	92926	20.0	18.6	
48 Ethyl acetate	70	2.870	2.870	0.000	98	17576	40.0	39.2	
49 Methyl acrylate	55	2.870	2.870	0.000	54	64910	20.0	18.1	
50 Tetrahydrofuran	42	2.884	2.884	0.000	93	60492	40.0	39.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	199035	50.0	50.4	
52 1,1,1-Trichloroethane	97	2.905	2.905	0.000	99	119243	20.0	19.5	
* 53 2-Butanone-d5	46	2.963	2.963	0.000	0	421336	250.0	250.0	
54 2-Butanone (MEK)	72	2.998	2.998	0.000	97	47268	100.0	97.7	
55 1,1-Dichloropropene	75	2.998	2.998	0.000	82	117200	20.0	18.8	
56 Isooctane	57	3.084	3.084	0.000	98	136211	20.0	18.9	
57 n-Heptane	57	3.178	3.178	0.000	93	34215	20.0	18.2	a
58 Benzene	78	3.185	3.185	0.000	97	356554	20.0	19.5	
59 Propionitrile	54	3.206	3.206	0.000	98	107546	200.0	197.9	
60 Methacrylonitrile	67	3.228	3.228	0.000	95	322091	200.0	203.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	252373	50.0	49.2	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	228151	20.0	19.1	
63 1,2-Dichloroethane	62	3.349	3.349	0.000	97	118262	20.0	19.1	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	63053	500.0	451.9	
65 t-Amyl alcohol	59	3.493	3.493	0.000	91	40065	200.0	185.8	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	873344	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	99	154583	20.0	18.7	
68 Methylcyclohexane	83	3.657	3.657	0.000	94	87674	20.0	19.1	
69 Trichloroethene	130	3.672	3.672	0.000	97	84767	20.0	20.1	
70 2-ethoxy-2-methyl butane	59	3.922	3.922	0.000	92	202877	20.0	18.5	
71 Dibromomethane	93	4.037	4.037	0.000	97	49966	20.0	20.0	
72 n-Butanol	56	4.059	4.059	0.000	94	37547	500.0	492.2	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	88	89029	20.0	19.0	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	103059	20.0	18.7	
74 Ethyl acrylate	55	4.216	4.216	0.000	79	91456	20.0	18.9	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	33915	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	92	37772	40.0	37.8	
78 1,4-Dioxane	88	4.431	4.431	0.000	95	16472	400.0	402.2	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	104378	20.0	18.5	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	47007	20.0	18.6	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	97	124170	20.0	18.7	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	843033	50.0	48.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.104	5.104	0.000	93	382906	20.0	19.6	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	132016	400.0	397.1	
85 2-Nitropropane	41	5.355	5.355	0.000	99	31621	40.0	35.1	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	81386	20.0	19.3	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	377805	100.0	100.7	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	94	113190	20.0	18.6	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	61150	20.0	19.0	
90 Ethyl methacrylate	69	5.864	5.864	0.000	90	97568	20.0	19.0	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	70863	20.0	18.5	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	127489	20.0	19.3	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	68939	20.0	19.2	
94 n-Butyl acetate	43	6.573	6.573	0.000	99	99715	20.0	18.5	
95 2-Hexanone	43	6.630	6.630	0.000	97	263786	100.0	103.0	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	89	648603	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	231061	20.0	19.4	
98 Ethylbenzene	106	7.017	7.017	0.000	99	124223	20.0	20.1	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	71935	20.0	19.1	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	151320	20.0	19.6	
101 o-Xylene	106	7.819	7.819	0.000	93	142252	20.0	19.6	
102 Bromoform	173	7.884	7.884	0.000	95	39852	20.0	18.1	
103 Styrene	104	7.905	7.905	0.000	93	239253	20.0	19.5	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	47935	20.0	18.5	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	353938	20.0	20.5	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	91	124686	20.0	18.7	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	87	268577	50.0	50.5	
108 Bromobenzene	156	8.786	8.786	0.000	97	96100	20.0	19.3	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	411790	20.0	20.0	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	88265	20.0	19.0	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	314286	20.0	20.0	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	346012	20.0	20.2	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	97	25907	20.0	18.9	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	92	288961	20.0	19.8	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	80	20836	20.0	18.7	
116 4-Chlorotoluene	91	9.374	9.374	0.000	99	293915	20.0	19.8	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	214416	20.0	19.8	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	298704	20.0	20.4	
119 Butyl Methacrylate	87	9.889	9.889	0.000	99	88336	20.0	13.9	
120 sec-Butylbenzene	105	10.040	10.040	0.000	98	306180	20.0	20.3	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	175528	20.0	20.1	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	253737	20.0	20.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	356146	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	93	183661	20.0	19.4	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	316667	20.0	20.0	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	316239	20.0	20.0	
127 Benzyl chloride	126	10.906	10.906	0.000	96	16085	20.0	11.4	
128 p-Diethylbenzene	119	10.935	10.935	0.000	92	129400	20.0	19.8	
129 n-Butylbenzene	91	11.014	11.014	0.000	98	224331	20.0	20.2	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	95	174876	20.0	20.0	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	226588	20.0	20.1	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	92	13321	20.0	19.2	
133 1,3,5-Trichlorobenzene	180	12.267	12.267	0.000	97	99257	20.0	19.2	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	92073	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	95	36014	20.0	19.2	
136 Naphthalene	128	13.242	13.242	0.000	99	192539	20.0	18.0	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	95	86268	20.0	19.5	
S 138 1,2-Dichloroethene, Total	100				0		40.0	39.7	
S 139 1,3-Dichloropropene, Total	100				0		40.0	37.3	
S 140 Xylenes, Total	100				0		40.0	39.2	
S 142 Total BTEX	1				0		100.0	98.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00329	Amount Added: 20.00	Units: uL		
8260MIX1COMB_00103	Amount Added: 20.00	Units: uL		
ACROLEIN W_00094	Amount Added: 4.00	Units: uL		
524freon_00009	Amount Added: 20.00	Units: uL		
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00199	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 25-Aug-2019 10:34:03 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D

Injection Date: 23-Aug-2019 09:55:30 Instrument ID: CVOAMS13 Operator ID:

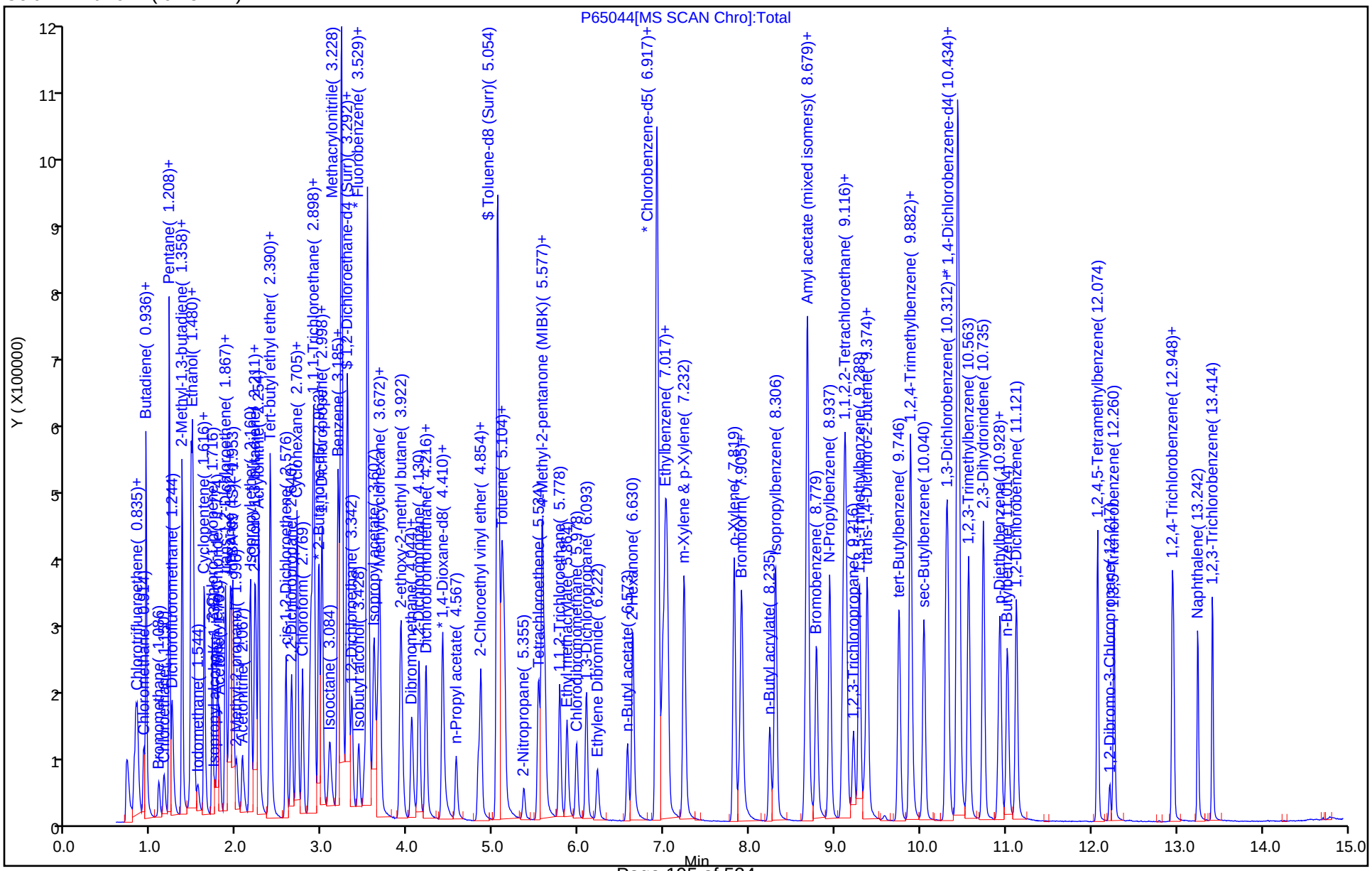
Lims ID: STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

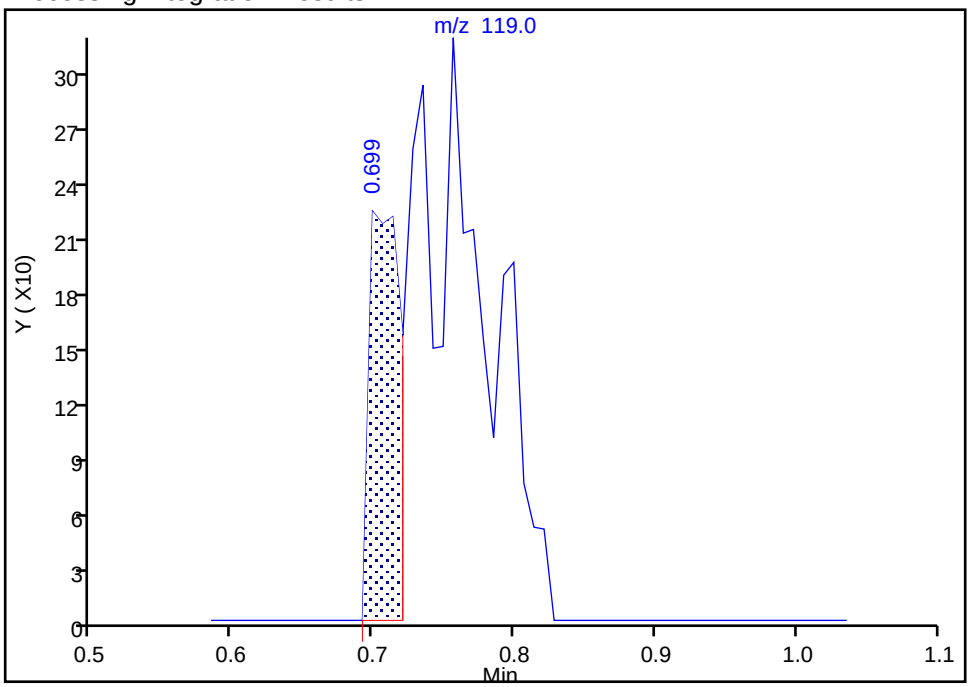
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D
Injection Date: 23-Aug-2019 09:55:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

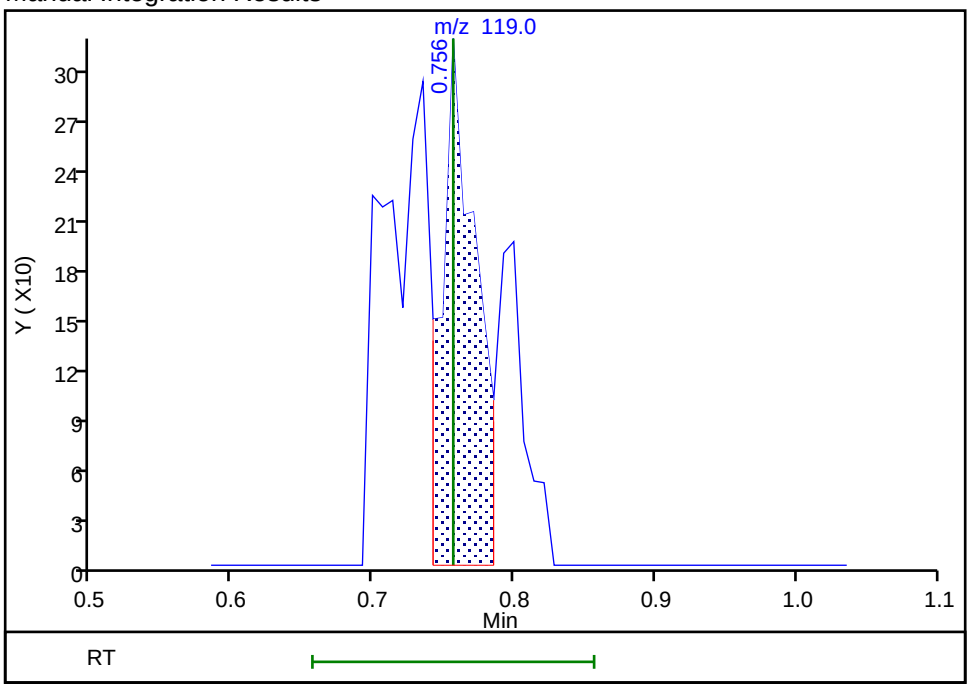
Processing Integration Results

RT: 0.70
Area: 352
Amount: 5.482191
Amount Units: ug/l



Manual Integration Results

RT: 0.76
Area: 557
Amount: 5.823250
Amount Units: ug/l



Reviewer: pakanatir, 23-Aug-2019 16:55:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

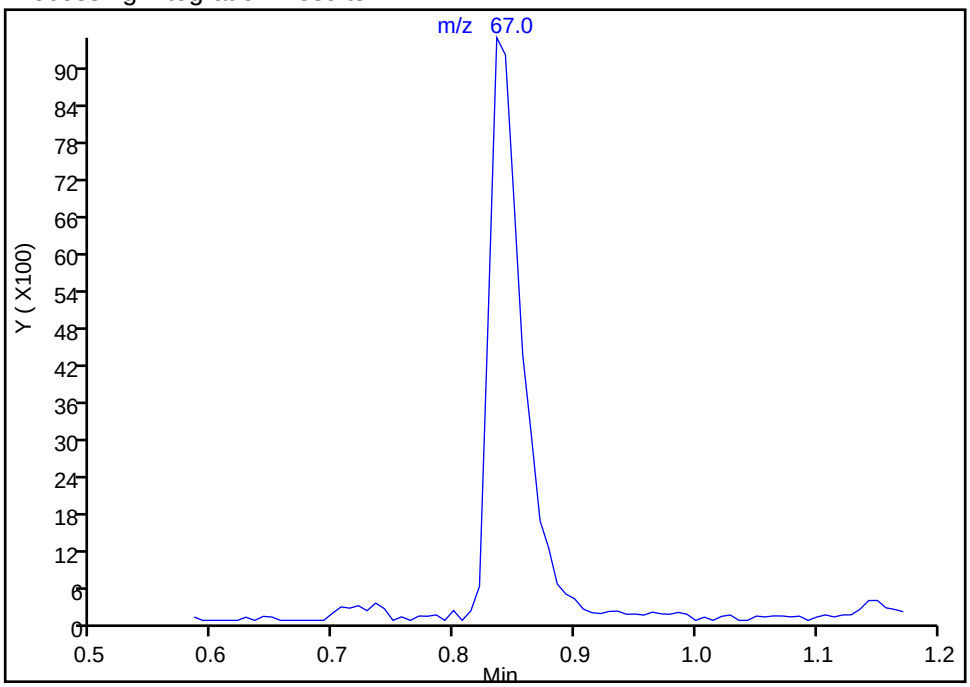
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D
Injection Date: 23-Aug-2019 09:55:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

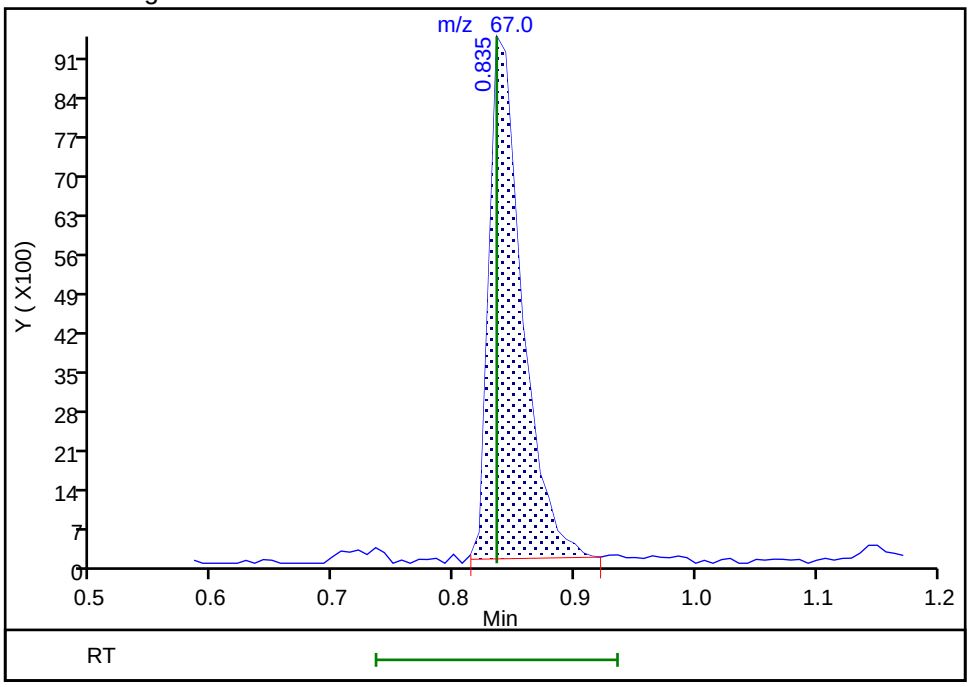
Not Detected
Expected RT: 0.84

Processing Integration Results



Manual Integration Results

RT: 0.84
Area: 17764
Amount: 19.215953
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:20:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

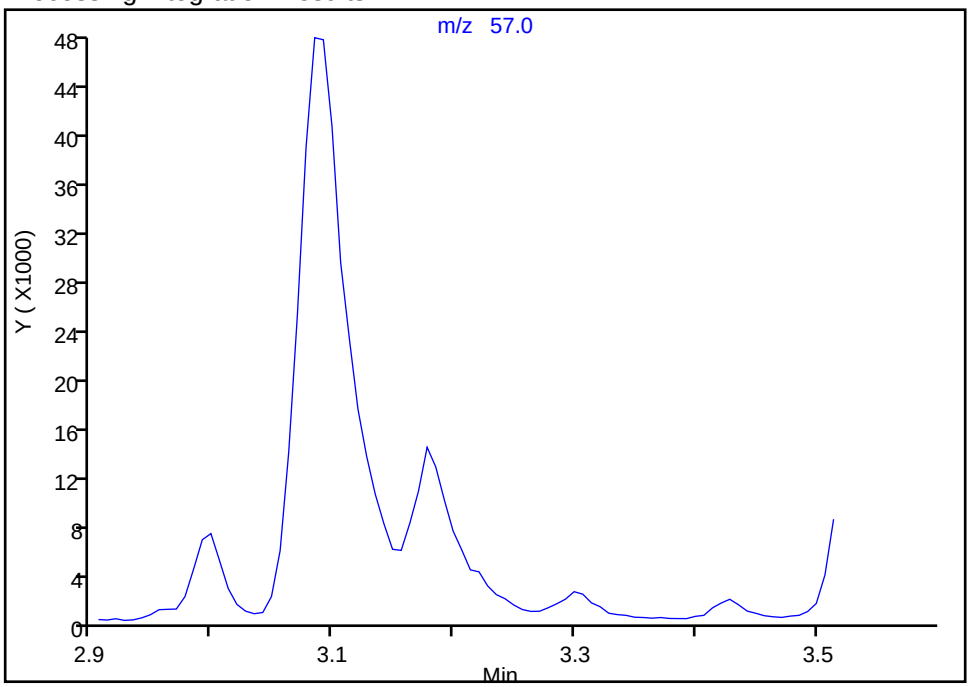
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D
Injection Date: 23-Aug-2019 09:55:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 n-Heptane, CAS: 142-82-5

Signal: 1

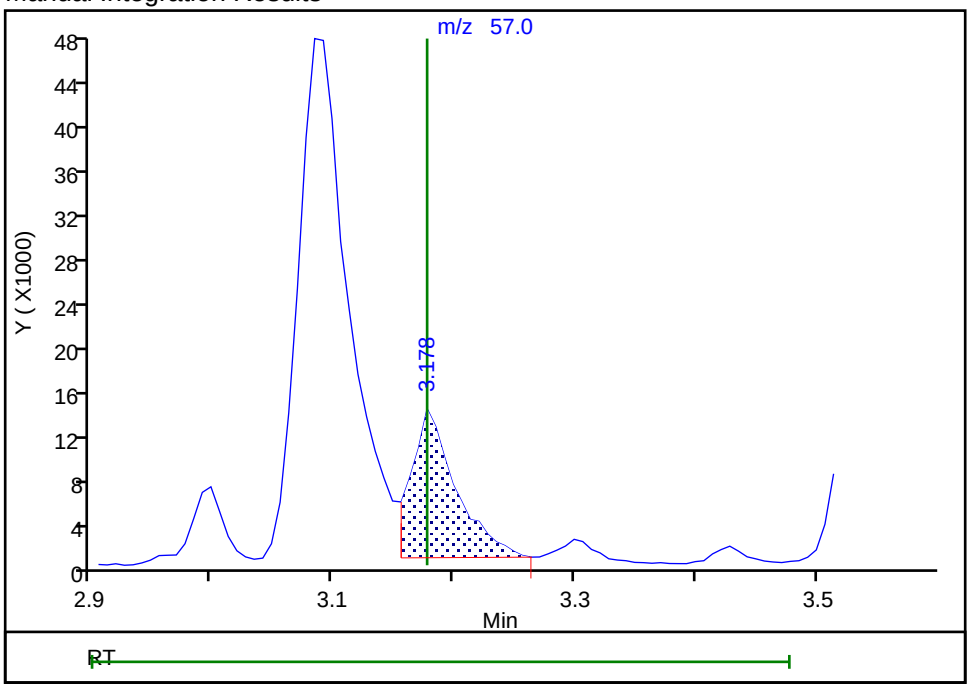
Not Detected
Expected RT: 3.18

Processing Integration Results



Manual Integration Results

RT: 3.18
Area: 34215
Amount: 18.152595
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:24:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 23-Aug-2019 10:20:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0096522-007
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:34:17 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 09:42:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.764	0.756	0.008	30	801	50.0	8.16	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	88	37592	50.0	45.3	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	209893	50.0	42.2	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	97	103431	50.0	45.3	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	97	43861	50.0	46.2	a
6 Chloromethane	50	0.914	0.914	0.000	98	229616	50.0	46.4	
8 Butadiene	54	0.935	0.936	-0.001	98	248458	50.0	46.0	
7 Vinyl chloride	62	0.943	0.943	0.000	98	269245	50.0	48.1	
9 Bromomethane	94	1.093	1.086	0.007	98	66163	50.0	40.3	
10 Chloroethane	64	1.143	1.150	-0.007	98	92813	50.0	33.1	
11 Pentane	72	1.208	1.208	0.000	96	51256	100.0	86.3	
12 Trichlorofluoromethane	101	1.208	1.215	-0.007	97	252904	50.0	45.1	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	370290	50.0	47.6	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	265738	50.0	49.4	
15 Ethyl ether	59	1.365	1.365	0.000	93	172492	50.0	48.9	
16 Ethanol	46	1.451	1.444	0.007	99	42853	2000.0	1888.7	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	95	155959	50.0	48.8	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	84	293468	50.0	49.6	
19 Carbon disulfide	76	1.480	1.480	0.000	100	561153	50.0	46.1	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	95	155622	50.0	48.9	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	96	288337	50.0	51.9	a
22 Iodomethane	142	1.544	1.544	0.000	99	157974	50.0	34.7	
23 Cyclopentene	67	1.623	1.616	0.007	97	476468	50.0	48.2	
24 Acrolein	56	1.637	1.637	0.000	94	31716	100.0	98.6	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	111048	50.0	48.7	
26 Isopropyl alcohol	45	1.745	1.745	0.000	98	109798	500.0	438.9	
27 Methylene Chloride	84	1.774	1.774	0.000	98	200868	50.0	44.8	
28 Acetone	43	1.802	1.802	0.000	85	251129	250.0	222.6	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	99	178037	50.0	47.5	
30 Methyl acetate	43	1.874	1.874	0.000	100	314589	100.0	100.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	86	30161	50.0	45.2	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	97	548721	50.0	47.7	
* 33 TBA-d9 (IS)	65	1.960	1.953	0.007	0	311655	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	99	158027	500.0	454.6	
35 Acetonitrile	41	2.067	2.067	0.000	98	240370	500.0	484.3	
36 Isopropyl ether	45	2.160	2.160	0.000	96	764996	50.0	47.0	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	-0.001	94	164326	50.0	47.7	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	381905	50.0	47.6	
39 Acrylonitrile	53	2.253	2.254	-0.001	93	744818	500.0	465.9	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	701962	50.0	47.8	
41 Vinyl acetate	43	2.390	2.390	0.000	100	831960	100.0	96.0	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	95	215229	50.0	47.2	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	288266	50.0	47.9	
44 Cyclohexane	56	2.705	2.705	0.000	93	304556	50.0	47.1	
45 Chlorobromomethane	128	2.705	2.705	0.000	96	103993	50.0	47.4	
46 Chloroform	83	2.769	2.769	0.000	98	371983	50.0	48.2	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	236323	50.0	46.0	
48 Ethyl acetate	70	2.870	2.870	0.000	98	43434	100.0	92.3	
49 Methyl acrylate	55	2.870	2.870	0.000	96	175156	50.0	47.5	
50 Tetrahydrofuran	42	2.884	2.884	0.000	94	158642	100.0	99.6	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	200603	50.0	49.5	
52 1,1,1-Trichloroethane	97	2.905	2.905	0.000	98	299682	50.0	47.7	
* 53 2-Butanone-d5	46	2.963	2.963	0.000	0	441836	250.0	250.0	
54 2-Butanone (MEK)	72	2.998	2.998	0.000	98	114492	250.0	225.7	
55 1,1-Dichloropropene	75	2.998	2.998	0.000	84	289139	50.0	45.3	
56 Isooctane	57	3.092	3.084	0.008	98	337131	50.0	45.6	
57 n-Heptane	57	3.178	3.178	0.000	86	94079	50.0	48.6	
58 Benzene	78	3.185	3.185	0.000	98	897361	50.0	48.8	
59 Propionitrile	54	3.206	3.206	0.000	99	274547	500.0	486.8	
60 Methacrylonitrile	67	3.228	3.228	0.000	95	828090	500.0	508.6	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	263321	50.0	50.0	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	583246	50.0	47.6	
63 1,2-Dichloroethane	62	3.349	3.349	0.000	98	301837	50.0	47.4	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	170568	1250.0	1178.2	
65 t-Amyl alcohol	59	3.500	3.493	0.007	92	103085	500.0	460.8	
* 66 Fluorobenzene	96	3.529	3.529	-0.001	98	896255	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	405504	50.0	47.8	
68 Methylcyclohexane	83	3.657	3.657	0.000	94	220227	50.0	46.7	
69 Trichloroethene	130	3.672	3.672	0.000	98	210310	50.0	48.5	
70 2-ethoxy-2-methyl butane	59	3.922	3.922	0.000	91	537834	50.0	47.9	
71 Dibromomethane	93	4.044	4.037	0.007	97	123504	50.0	48.2	
72 n-Butanol	56	4.059	4.059	0.000	92	103245	1250.0	1257.8	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	88	231482	50.0	48.2	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	273150	50.0	48.3	
74 Ethyl acrylate	55	4.209	4.216	-0.007	84	246540	50.0	48.2	
* 76 1,4-Dioxane-d8	96	4.410	4.402	0.008	0	36782	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	92	100893	100.0	98.3	
78 1,4-Dioxane	88	4.431	4.431	0.000	96	40871	1000.0	920.2	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	282388	50.0	48.9	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	131317	50.1	50.7	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	97	335558	50.0	50.1	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	873078	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.104	5.104	0.000	93	938930	50.0	47.6	
84 Epichlorohydrin	57	5.133	5.133	0.000	100	358148	1000.0	1027.4	
85 2-Nitropropane	41	5.355	5.355	0.000	99	86863	100.0	93.8	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	200767	50.0	47.2	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	990504	250.0	251.8	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	95	303429	50.0	49.6	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	153421	50.0	47.2	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	267993	50.0	50.9	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	183444	50.0	47.6	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	97	322921	50.0	48.4	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	179038	50.0	49.4	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	287960	50.0	50.8	
95 2-Hexanone	43	6.630	6.630	0.000	97	694723	250.0	258.6	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	90	653663	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	567353	50.0	47.3	
98 Ethylbenzene	106	7.017	7.017	0.000	99	304152	50.0	48.9	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	182648	50.0	48.2	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	374209	50.0	48.2	
101 o-Xylene	106	7.819	7.819	0.000	93	369739	50.0	50.5	
102 Bromoform	173	7.884	7.884	0.000	95	108297	50.0	48.7	
103 Styrene	104	7.905	7.905	0.000	93	610120	50.0	48.7	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	137517	50.0	50.7	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	869281	50.0	49.9	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	89	351920	50.0	50.4	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	87	268472	50.0	50.1	
108 Bromobenzene	156	8.786	8.786	0.000	97	243024	50.0	48.6	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	1022062	50.0	49.6	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	223436	50.0	47.9	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	769265	50.0	49.0	
112 4-Ethyltoluene	105	9.130	9.130	0.000	99	855893	50.0	49.8	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	64281	50.0	46.7	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	93	715332	50.0	49.0	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	71	60132	50.0	51.3	
116 4-Chlorotoluene	91	9.374	9.374	0.000	99	728087	50.0	49.0	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	534504	50.0	49.3	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	743384	50.0	50.6	
119 Butyl Methacrylate	87	9.882	9.889	-0.007	97	256133	50.0	40.3	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	750288	50.0	49.6	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	94	425307	50.0	48.5	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	637456	50.0	50.7	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	356788	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	96	443449	50.0	46.8	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	781310	50.0	49.3	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	776386	50.0	49.1	
127 Benzyl chloride	126	10.914	10.906	0.008	96	50559	50.0	35.5	
128 p-Diethylbenzene	119	10.928	10.935	-0.007	92	327980	50.0	50.2	
129 n-Butylbenzene	91	11.014	11.014	0.000	98	560416	50.0	50.4	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	95	429608	50.0	48.9	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	587765	50.0	52.1	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	93	35440	50.0	49.3	
133 1,3,5-Trichlorobenzene	180	12.260	12.267	-0.007	97	248312	50.0	47.9	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	237504	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	91060	50.0	48.5	
136 Naphthalene	128	13.242	13.242	0.000	99	526887	50.0	49.3	
137 1,2,3-Trichlorobenzene	180	13.414	13.421	-0.007	95	214341	50.0	48.3	
S 138 1,2-Dichloroethene, Total	100				0		100.0	94.6	
S 139 1,3-Dichloropropene, Total	100				0		100.0	99.6	
S 140 Xylenes, Total	100				0		100.0	98.6	
S 142 Total BTEX	1				0		250.0	244.0	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00329	Amount Added: 50.00	Units: uL		
8260MIX1COMB_00103	Amount Added: 50.00	Units: uL		
ACROLEIN W_00094	Amount Added: 10.00	Units: uL		
524freon_00009	Amount Added: 50.00	Units: uL		
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00199	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 25-Aug-2019 10:34:20 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D

Injection Date: 23-Aug-2019 10:20:30 Instrument ID: CVOAMS13 Operator ID:

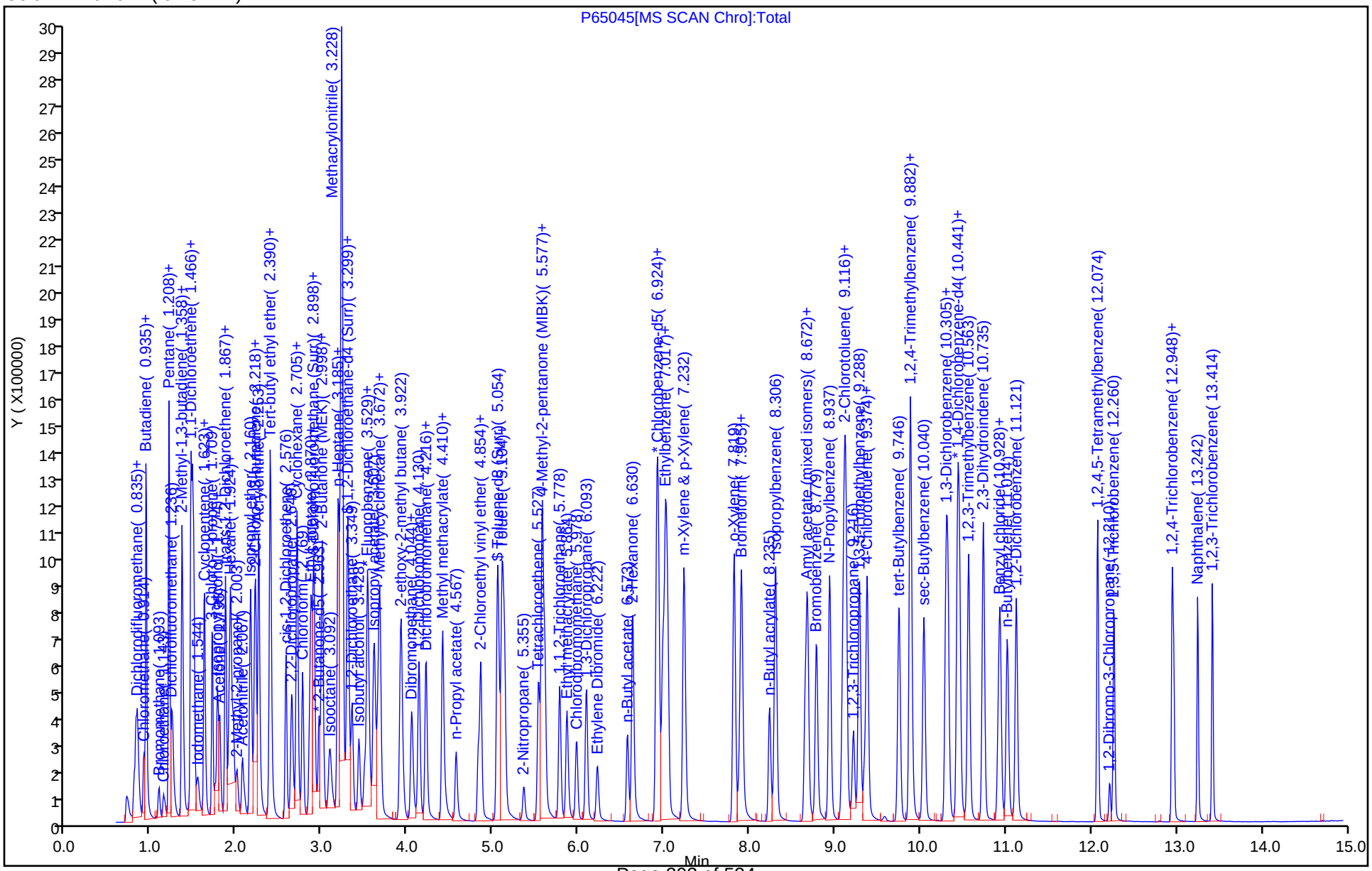
Lims ID: STD50 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

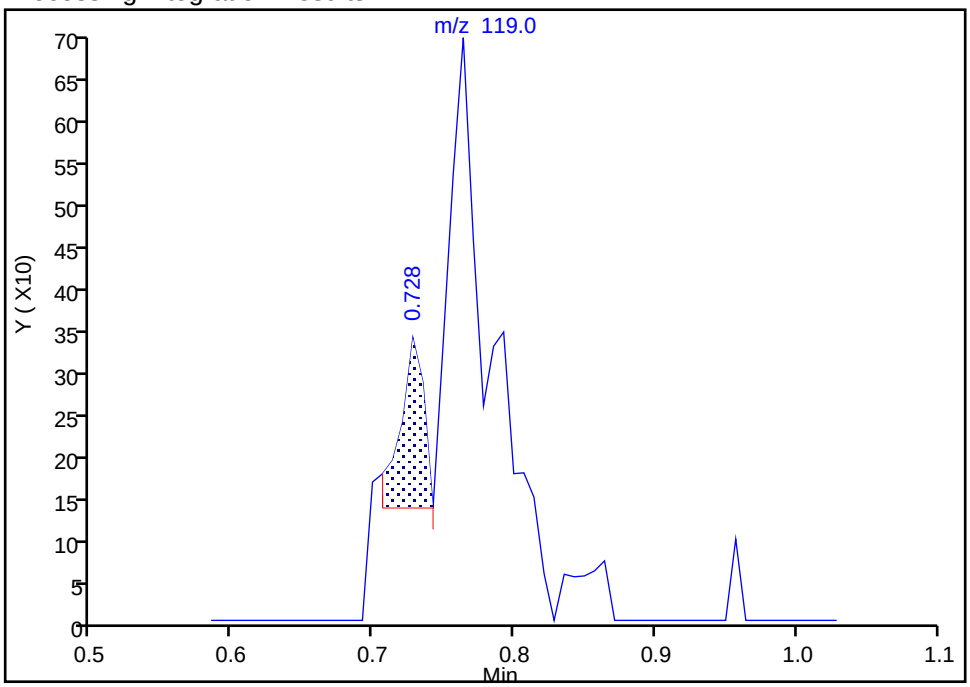
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D
Injection Date: 23-Aug-2019 10:20:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

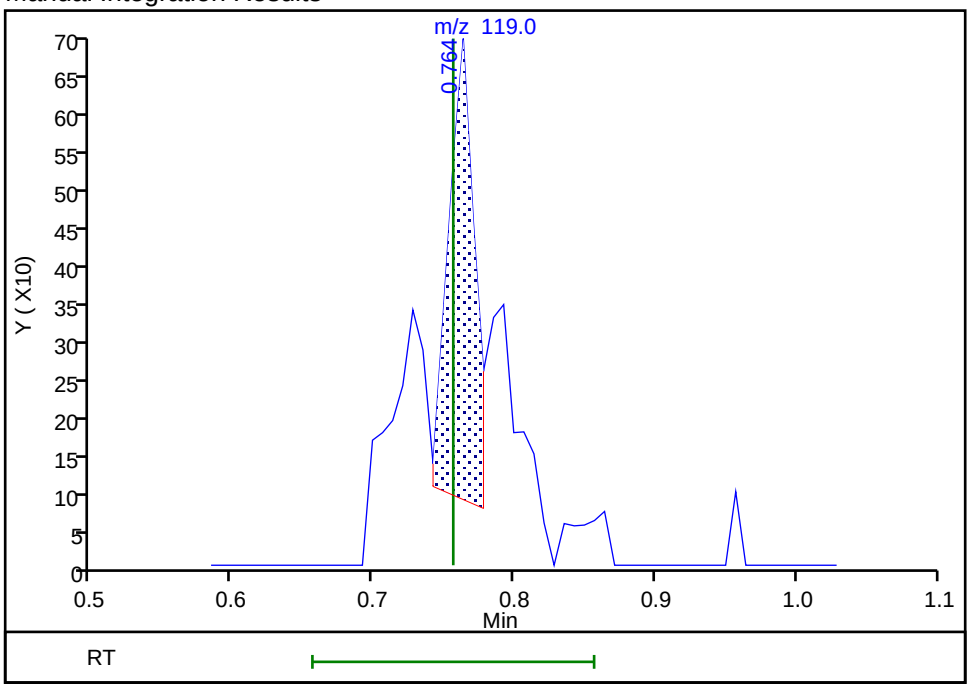
Processing Integration Results

RT: 0.73
Area: 238
Amount: 0.689763
Amount Units: ug/l



Manual Integration Results

RT: 0.76
Area: 801
Amount: 8.160120
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:41:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

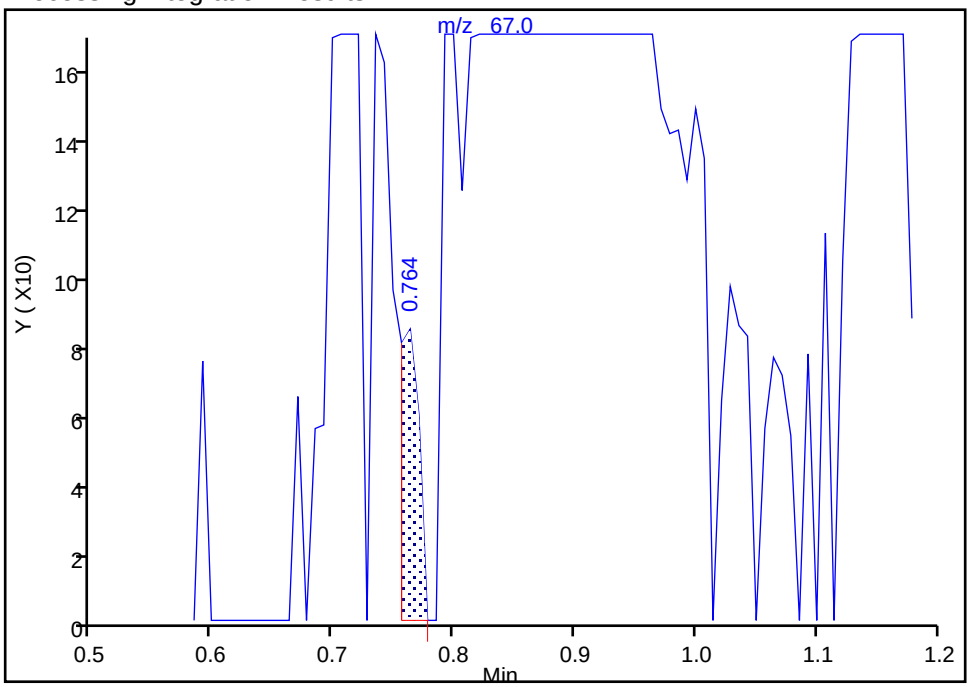
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D
Injection Date: 23-Aug-2019 10:20:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

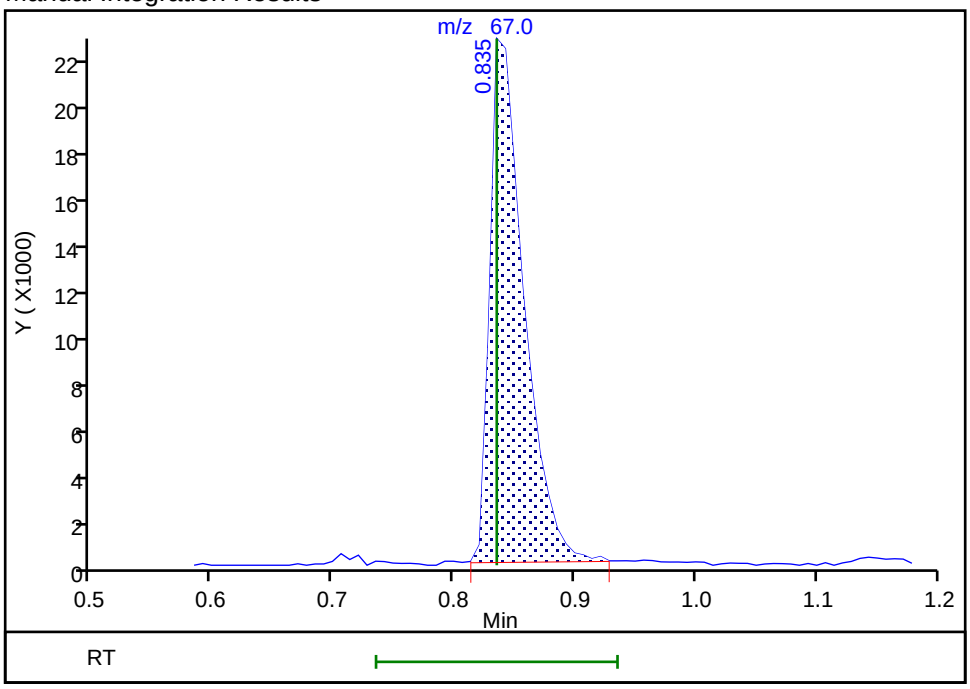
Processing Integration Results

RT: 0.76
Area: 94
Amount: 0.097659
Amount Units: ug/l



Manual Integration Results

RT: 0.84
Area: 43861
Amount: 46.233146
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:41:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

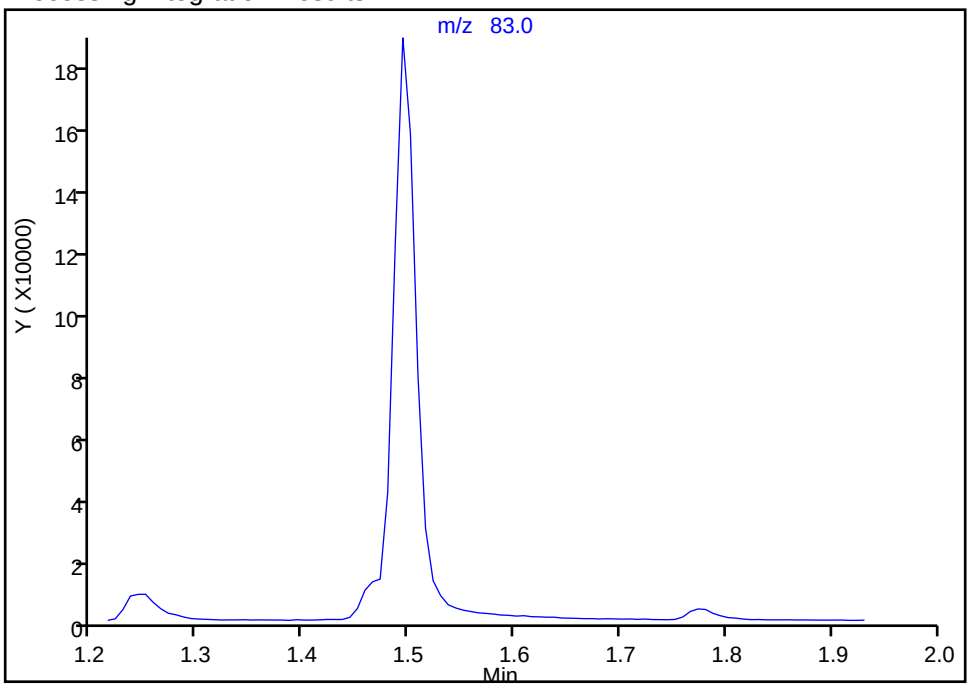
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D
Injection Date: 23-Aug-2019 10:20:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

21 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

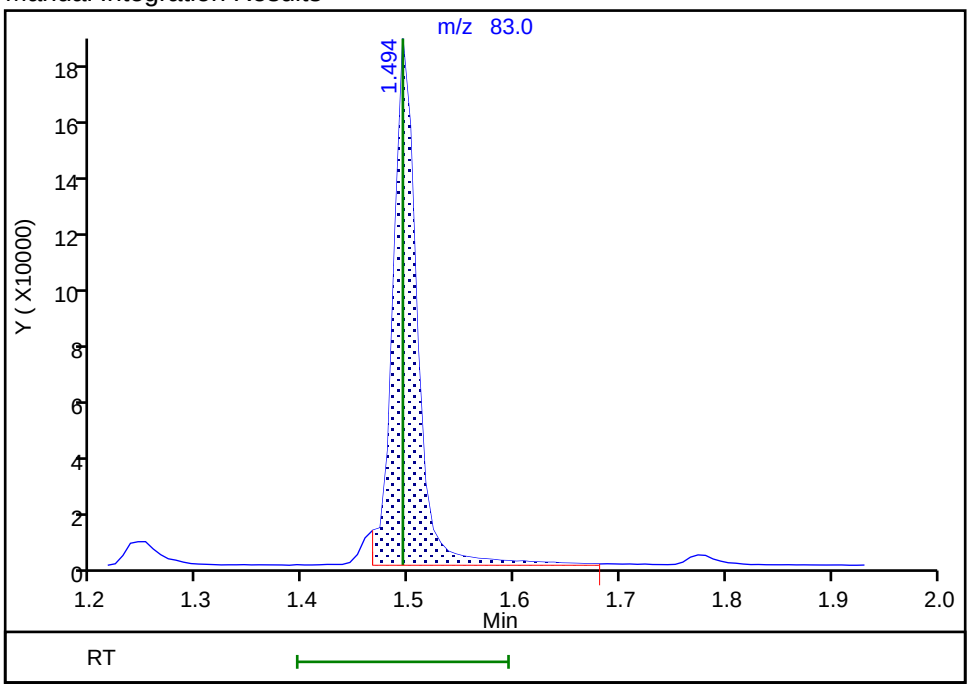
Not Detected
Expected RT: 1.49

Processing Integration Results



Manual Integration Results

RT: 1.49
Area: 288337
Amount: 51.913173
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:41:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65046.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 23-Aug-2019 10:45:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0096522-008
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:34:32 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 10:34:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.757	0.756	0.001	94	19947	200.0	197.7	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	88	217417	200.0	254.8	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	936288	200.0	183.0	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	98	514052	200.0	219.2	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	97	195379	200.0	200.3	a
6 Chloromethane	50	0.914	0.914	0.000	99	943329	200.0	185.4	
8 Butadiene	54	0.943	0.936	0.007	95	1043054	200.0	187.7	
7 Vinyl chloride	62	0.943	0.943	0.000	98	1119191	200.0	194.6	
9 Bromomethane	94	1.093	1.086	0.007	98	340873	200.0	191.9	
10 Chloroethane	64	1.151	1.150	0.001	98	467060	200.0	211.0	
11 Pentane	72	1.222	1.208	0.014	96	228625	400.0	427.5	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	98	1054235	200.0	182.8	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	1520458	200.0	190.0	
14 2-Methyl-1,3-butadiene	67	1.373	1.358	0.015	93	1144152	200.0	207.1	
15 Ethyl ether	59	1.373	1.365	0.008	80	746568	200.0	206.1	
16 Ethanol	46	1.451	1.444	0.007	99	192540	8000.0	8006.8	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	84	1167592	200.0	192.0	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	635213	200.0	193.2	
19 Carbon disulfide	76	1.487	1.480	0.007	100	2643600	200.0	211.3	
20 1,1,2-Trichloro-1,2,2-trif	101	1.494	1.487	0.007	57	623339	200.0	190.6	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	89	1129446	200.0	197.8	
22 Iodomethane	142	1.545	1.544	0.000	99	942595	200.0	208.1	
23 Cyclopentene	67	1.623	1.616	0.007	97	2048469	200.0	201.7	
24 Acrolein	56	1.638	1.637	0.001	97	65379	200.0	191.8	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	496420	200.0	211.8	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	520795	2000.0	1964.1	
27 Methylene Chloride	84	1.774	1.774	0.000	99	870726	200.0	188.9	
28 Acetone	43	1.802	1.802	0.000	85	1211964	1000.0	993.1	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	770077	200.0	199.7	
30 Methyl acetate	43	1.874	1.874	0.000	99	1300859	400.0	393.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.917	1.910	0.007	86	131275	200.0	191.3	
32 Methyl tert-butyl ether	73	1.938	1.931	0.007	94	2506813	200.0	211.8	
* 33 TBA-d9 (IS)	65	1.960	1.953	0.007	0	330299	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	99	726355	2000.0	1971.4	
35 Acetonitrile	41	2.067	2.067	0.000	98	1105653	2000.0	2101.9	
36 Isopropyl ether	45	2.168	2.160	0.008	96	3594905	200.0	214.7	
37 2-Chloro-1,3-butadiene	88	2.225	2.211	0.014	73	750969	200.0	212.1	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	1657050	200.0	201.0	
39 Acrylonitrile	53	2.261	2.254	0.007	89	3537586	2000.0	2152.4	
40 Tert-butyl ethyl ether	59	2.397	2.390	0.007	88	3274177	200.0	216.8	
41 Vinyl acetate	43	2.404	2.390	0.014	100	4279692	400.0	480.2	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	935025	200.0	199.3	
43 2,2-Dichloropropane	77	2.648	2.640	0.008	96	1293666	200.0	209.1	
44 Cyclohexane	56	2.719	2.705	0.014	95	1370267	200.0	206.0	
45 Chlorobromomethane	128	2.712	2.705	0.007	99	451133	200.0	200.1	
46 Chloroform	83	2.769	2.769	0.000	98	1633731	200.0	205.9	
47 Carbon tetrachloride	117	2.863	2.855	0.007	97	1118524	200.0	212.0	
48 Ethyl acetate	70	2.877	2.870	0.007	99	212112	400.0	416.5	
49 Methyl acrylate	55	2.877	2.870	0.007	99	855628	200.0	225.8	
50 Tetrahydrofuran	42	2.877	2.884	-0.007	94	742531	400.0	430.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	201509	50.0	48.3	
52 1,1,1-Trichloroethane	97	2.913	2.905	0.008	98	1365857	200.0	211.4	
* 53 2-Butanone-d5	46	2.963	2.963	0.000	0	478025	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.998	0.001	100	546147	1000.0	995.0	
55 1,1-Dichloropropene	75	3.013	2.998	0.015	93	1324029	200.0	201.6	
56 Isooctane	57	3.092	3.084	0.008	98	1535822	200.0	201.9	
57 n-Heptane	57	3.185	3.178	0.007	88	407672	200.0	205.0	
58 Benzene	78	3.199	3.185	0.014	98	3906295	200.0	209.1	
59 Propionitrile	54	3.213	3.206	0.007	99	1261492	2000.0	2110.6	
60 Methacrylonitrile	67	3.235	3.228	0.007	96	3580114	2000.0	2138.7	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.299	3.292	0.007	0	270900	50.0	50.0	
62 Tert-amyl methyl ether	73	3.307	3.299	0.008	97	2704406	200.0	214.9	
63 1,2-Dichloroethane	62	3.350	3.349	0.001	97	1300976	200.0	198.7	
64 Isobutyl alcohol	43	3.436	3.428	0.008	97	892425	5000.0	5816.7	
65 t-Amyl alcohol	59	3.500	3.493	0.007	95	560017	2000.0	2361.8	
* 66 Fluorobenzene	96	3.536	3.529	0.007	98	921362	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	2007634	200.0	230.1	
68 Methylcyclohexane	83	3.665	3.657	0.008	94	939477	200.0	194.0	
69 Trichloroethene	130	3.686	3.672	0.014	97	917242	200.0	205.8	
70 2-ethoxy-2-methyl butane	59	3.923	3.922	0.001	91	2593489	200.0	224.6	
71 Dibromomethane	93	4.037	4.037	0.000	97	551971	200.0	209.4	
72 n-Butanol	56	4.059	4.059	0.000	91	565136	5000.0	5636.2	
73 1,2-Dichloropropane	63	4.138	4.130	0.008	87	1054068	200.0	213.3	
75 Dichlorobromomethane	83	4.223	4.216	0.007	99	1280085	200.0	220.0	
74 Ethyl acrylate	55	4.209	4.216	-0.007	98	1260005	200.0	218.9	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.001	0	38352	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	93	474413	400.0	449.7	
78 1,4-Dioxane	88	4.431	4.431	0.000	99	188593	4000.0	4072.2	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	1408068	200.0	237.1	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	633925	200.5	238.0	
81 cis-1,3-Dichloropropene	75	4.861	4.854	0.007	97	1602148	200.0	235.6	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	897052	50.0	50.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.112	5.104	0.008	93	4059857	200.0	202.9	
84 Epichlorohydrin	57	5.140	5.133	0.007	99	1757457	4000.0	4659.9	
85 2-Nitropropane	41	5.362	5.355	0.007	98	458198	400.0	481.5	
86 Tetrachloroethene	166	5.534	5.534	0.000	96	874598	200.0	202.8	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	99	4663679	1000.0	1096.0	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	96	1471752	200.0	236.9	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	695193	200.0	210.7	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	1276208	200.0	235.9	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	890225	200.0	227.7	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	97	1493801	200.0	220.6	
93 Ethylene Dibromide	107	6.222	6.222	0.000	99	821901	200.0	223.4	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	1524938	200.0	225.9	
95 2-Hexanone	43	6.630	6.630	0.000	98	3303116	1000.0	1136.5	
* 96 Chlorobenzene-d5	117	6.917	6.909	0.008	88	663311	50.0	50.0	
97 Chlorobenzene	112	6.938	6.931	0.007	90	2423213	200.0	199.2	
98 Ethylbenzene	106	7.024	7.017	0.007	99	1297820	200.0	205.8	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	96	842850	200.0	219.3	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	1629156	200.0	206.7	
101 o-Xylene	106	7.819	7.819	0.000	92	1554090	200.0	209.0	
102 Bromoform	173	7.884	7.884	0.000	95	554284	200.0	245.6	
103 Styrene	104	7.905	7.905	0.000	93	2723757	200.0	213.0	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	711714	200.0	224.7	
105 Isopropylbenzene	105	8.306	8.306	0.000	97	3675509	200.0	208.1	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	89	1874766	200.0	225.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	87	275285	50.0	50.6	
108 Bromobenzene	156	8.786	8.786	0.000	95	1053427	200.0	209.0	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	4342816	200.0	208.8	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	997885	200.0	212.1	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	3313248	200.0	209.1	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	3672180	200.0	212.1	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	97	288201	200.0	207.8	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	92	3088042	200.0	209.8	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	87	327749	200.0	224.8	
116 4-Chlorotoluene	91	9.381	9.374	0.007	99	3173119	200.0	211.7	
117 tert-Butylbenzene	119	9.746	9.746	0.000	92	2291734	200.0	209.7	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	3142017	200.0	212.1	
119 Butyl Methacrylate	87	9.889	9.889	0.000	97	1295389	200.0	204.8	
120 sec-Butylbenzene	105	10.040	10.040	0.000	98	3143098	200.0	206.1	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	94	1809498	200.0	204.8	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	2697695	200.0	212.9	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	359786	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	92	1909741	200.0	199.8	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	100	3431604	200.0	214.6	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	3378713	200.0	211.7	
127 Benzyl chloride	126	10.907	10.906	0.001	98	316730	200.0	206.1	
128 p-Diethylbenzene	119	10.935	10.935	0.000	94	1440232	200.0	218.6	
129 n-Butylbenzene	91	11.014	11.014	0.000	99	2403720	200.0	214.6	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	94	1826015	200.0	206.2	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	2538538	200.0	223.1	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	95	176829	200.0	217.3	
133 1,3,5-Trichlorobenzene	180	12.268	12.267	0.001	97	1070728	200.0	204.7	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	1021372	200.0	214.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	384893	200.0	203.2	
136 Naphthalene	128	13.242	13.242	0.000	99	2437957	200.0	226.0	
137 1,2,3-Trichlorobenzene	180	13.414	13.421	-0.007	95	927770	200.0	207.5	
S 138 1,2-Dichloroethene, Total	100				0		400.0	399.1	
S 139 1,3-Dichloropropene, Total	100				0		400.0	472.5	
S 140 Xylenes, Total	100				0		400.0	415.7	
S 142 Total BTEX	1				0		1000.0	1033.6	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00094	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00086	Amount Added:	20.00	Units: uL	
MIX I Hi_00112	Amount Added:	20.00	Units: uL	
Ethanol mix_00031	Amount Added:	20.00	Units: uL	
8FreonHi_00007	Amount Added:	20.00	Units: uL	
GAS Hi_00320	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2019 10:34:40 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65046.D

Injection Date: 23-Aug-2019 10:45:30 Instrument ID: CVOAMS13 Operator ID:

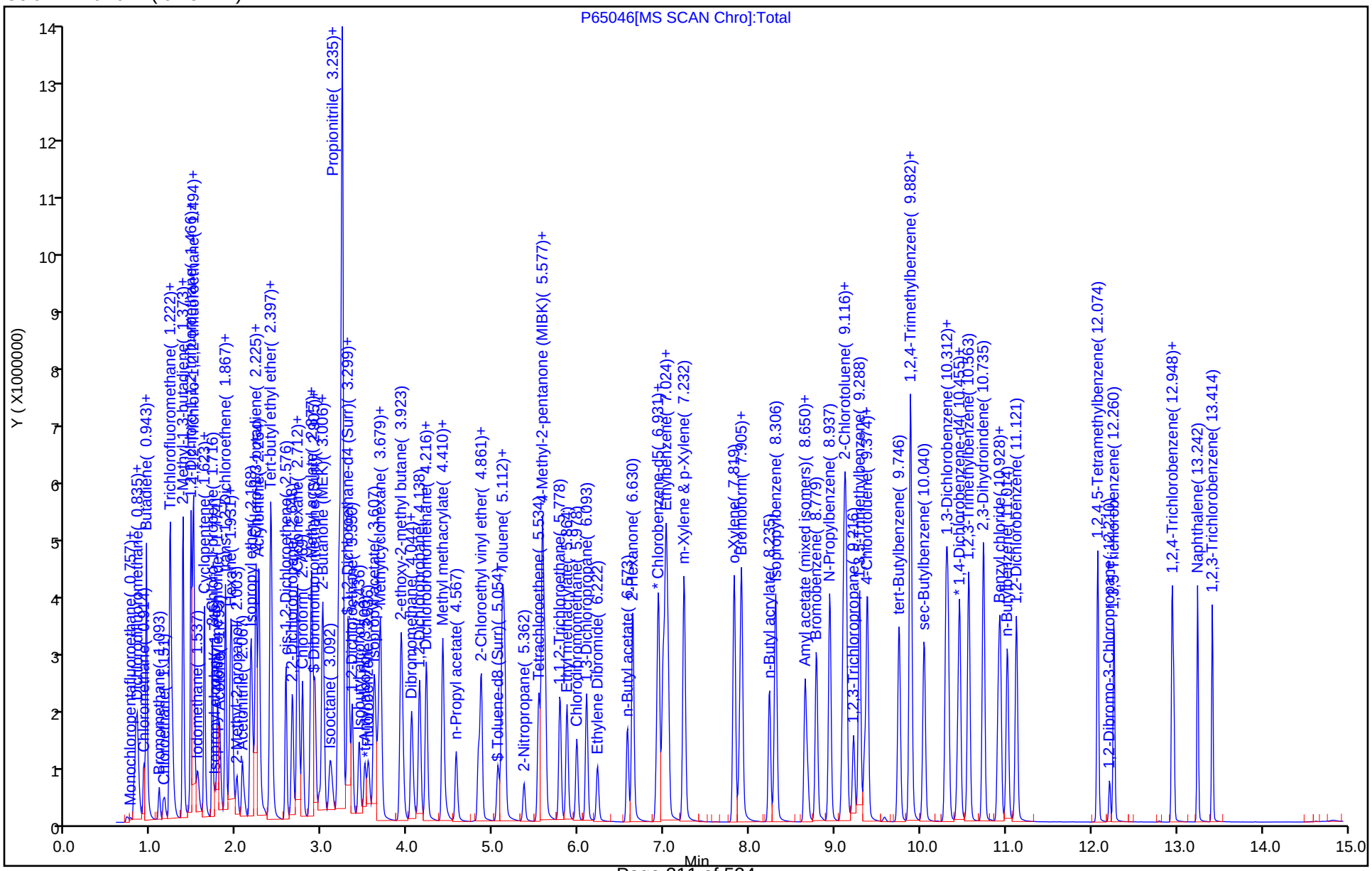
Lims ID: STD200 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

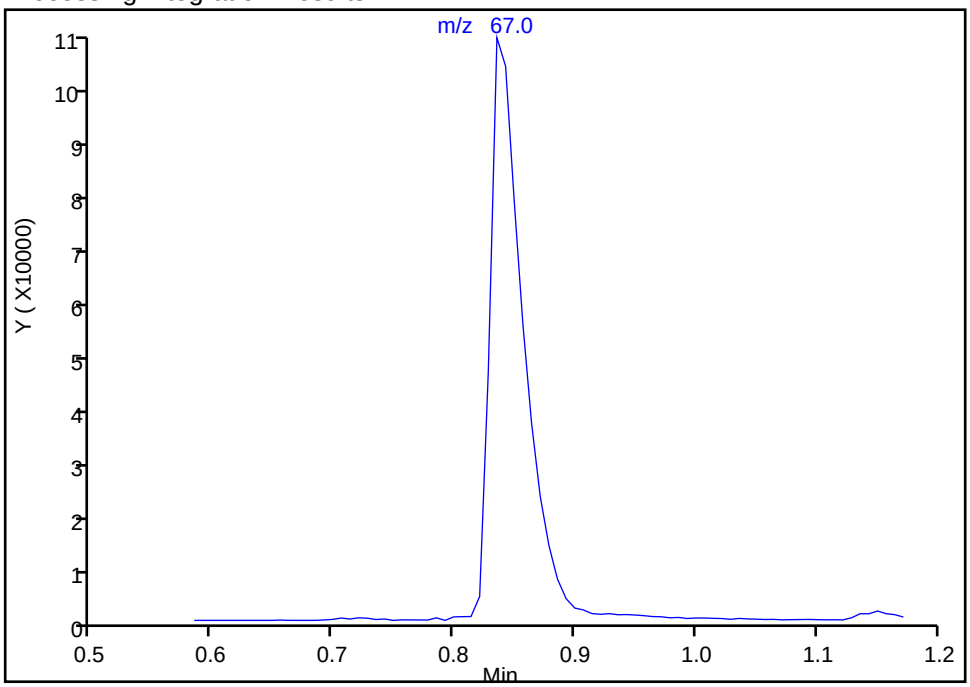
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65046.D
Injection Date: 23-Aug-2019 10:45:30 Instrument ID: CVOAMS13
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

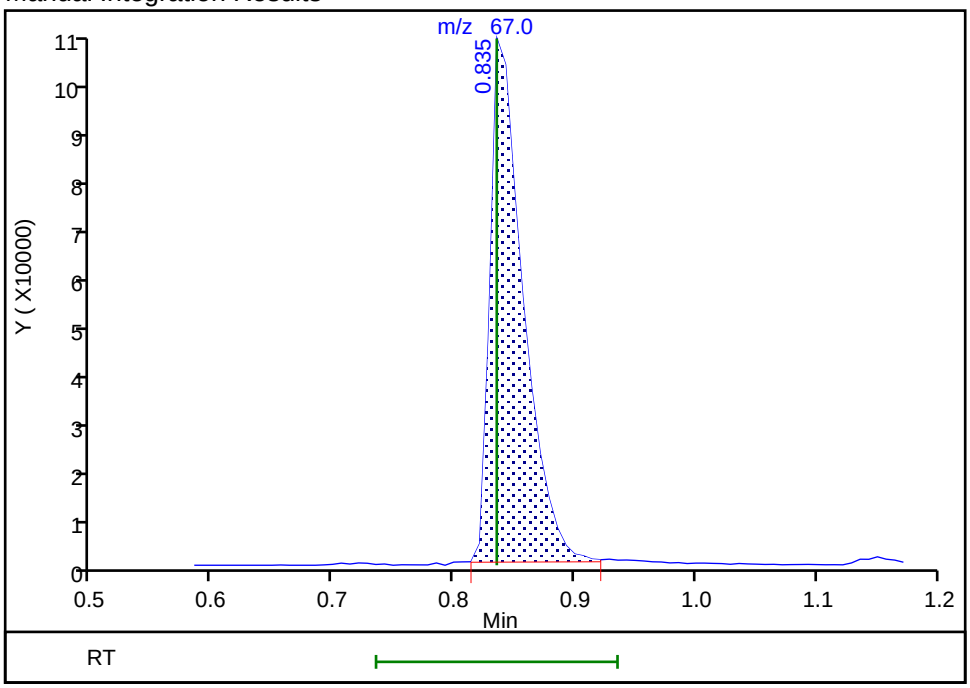
Not Detected
Expected RT: 0.84

Processing Integration Results



Manual Integration Results

RT: 0.84
Area: 195379
Amount: 200.3337
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 10:33:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65047.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 23-Aug-2019 11:10:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0096522-009
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:34:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 10:53:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.757	0.756	0.001	94	67259	500.0	660.5	
2 Chlorotrifluoroethene	116	0.800	0.792	0.008	88	612353	500.0	711.0	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	2524177	500.0	489.0	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	98	1289402	500.0	544.8	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	97	506549	500.0	514.7	
6 Chloromethane	50	0.914	0.914	0.000	98	2551405	500.0	496.8	
8 Butadiene	54	0.943	0.936	0.007	91	2799586	500.0	499.1	
7 Vinyl chloride	62	0.943	0.943	0.000	98	2785072	500.0	479.8	
9 Bromomethane	94	1.093	1.086	0.007	98	755810	500.0	396.5	
10 Chloroethane	64	1.143	1.150	-0.007	98	568107	500.0	298.7	
11 Pentane	72	1.215	1.208	0.007	95	405623	1000.0	968.2	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	95	2213042	500.0	380.3	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	3363070	500.0	416.4	
14 2-Methyl-1,3-butadiene	67	1.365	1.358	0.007	90	2597131	500.0	465.8	
15 Ethyl ether	59	1.373	1.365	0.008	88	1712804	500.0	468.5	
16 Ethanol	46	1.466	1.444	0.022	92	502894	20000	19560	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	93	1550176	500.0	467.2	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	89	2819064	500.0	459.4	
19 Carbon disulfide	76	1.487	1.480	0.007	100	6294666	500.0	498.7	
20 1,1,2-Trichloro-1,2,2-trif	101	1.494	1.487	0.007	94	1511771	500.0	458.0	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	94	2674556	500.0	464.2	
22 Iodomethane	142	1.545	1.544	0.001	99	2155178	500.0	498.7	
23 Cyclopentene	67	1.623	1.616	0.007	97	5102314	500.0	497.9	
24 Acrolein	56	1.645	1.637	0.008	96	144316	400.0	395.9	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	1192060	500.0	503.9	
26 Isopropyl alcohol	45	1.759	1.745	0.014	99	1368292	5000.0	4826.4	
27 Methylene Chloride	84	1.774	1.774	0.000	98	2145229	500.0	461.1	
28 Acetone	43	1.802	1.802	0.000	85	3176456	2500.0	2425.5	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	97	1881584	500.0	483.6	
30 Methyl acetate	43	1.874	1.874	0.000	99	3124518	1000.0	883.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.931	1.910	0.021	74	352004	500.0	508.3	
32 Methyl tert-butyl ether	73	1.938	1.931	0.007	89	6145463	500.0	514.6	
* 33 TBA-d9 (IS)	65	1.974	1.953	0.021	0	353151	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.017	1.996	0.021	99	1948707	5000.0	4946.7	
35 Acetonitrile	41	2.067	2.067	0.000	98	2655802	5000.0	4722.1	
36 Isopropyl ether	45	2.175	2.160	0.015	96	9179896	500.0	543.2	
37 2-Chloro-1,3-butadiene	88	2.225	2.211	0.014	91	1720504	500.0	481.6	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	98	3988116	500.0	479.4	
39 Acrylonitrile	53	2.261	2.254	0.007	91	8216415	5000.0	4953.8	
40 Tert-butyl ethyl ether	59	2.404	2.390	0.014	88	8126799	500.0	533.2	
41 Vinyl acetate	43	2.404	2.390	0.014	100	10772278	1000.0	1197.7	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	92	2256682	500.0	476.7	
43 2,2-Dichloropropane	77	2.648	2.640	0.008	96	3278913	500.0	525.3	
44 Cyclohexane	56	2.712	2.705	0.007	96	3753367	500.0	559.2	
45 Chlorobromomethane	128	2.712	2.705	0.007	97	1043000	500.0	458.5	
46 Chloroform	83	2.769	2.769	0.000	97	4002603	500.0	499.9	
47 Carbon tetrachloride	117	2.863	2.855	0.008	97	2813970	500.0	528.5	
48 Ethyl acetate	70	2.877	2.870	0.007	99	527807	1000.0	965.8	
49 Methyl acrylate	55	2.884	2.870	0.014	98	2175922	500.0	568.9	
50 Tetrahydrofuran	42	2.884	2.884	0.000	93	1926484	1000.0	1041.6	
$ 51 Dibromofluoromethane (Surr	113	2.906	2.898	0.008	96	195001	50.0	46.4	
52 1,1,1-Trichloroethane	97	2.913	2.905	0.008	98	3401471	500.0	521.7	
* 53 2-Butanone-d5	46	2.970	2.963	0.007	0	513001	250.0	250.0	
54 2-Butanone (MEK)	72	3.006	2.998	0.008	99	1398671	2500.0	2374.5	
55 1,1-Dichloropropene	75	3.013	2.998	0.015	94	3337876	500.0	503.5	
56 Isooctane	57	3.099	3.084	0.015	98	4224329	500.0	550.3	
57 n-Heptane	57	3.185	3.178	0.007	81	1156779	500.0	576.5	
58 Benzene	78	3.206	3.185	0.021	98	9382733	500.0	506.4	
59 Propionitrile	54	3.235	3.206	0.029	99	3082145	5000.0	4823.1	
60 Methacrylonitrile	67	3.249	3.228	0.021	97	7785037	5000.0	4608.5	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.299	3.292	0.007	0	276994	50.0	50.7	
62 Tert-amyl methyl ether	73	3.314	3.299	0.015	96	6697338	500.0	527.4	
63 1,2-Dichloroethane	62	3.357	3.349	0.008	97	3208658	500.0	485.6	
64 Isobutyl alcohol	43	3.443	3.428	0.015	97	2496743	12500	15220	
65 t-Amyl alcohol	59	3.514	3.493	0.021	97	1526404	5000.0	6020.9	
* 66 Fluorobenzene	96	3.543	3.529	0.014	98	929800	50.0	50.0	
67 Isopropyl acetate	43	3.607	3.600	0.007	98	5161273	500.0	586.2	
68 Methylcyclohexane	83	3.672	3.657	0.015	93	2546958	500.0	521.1	
69 Trichloroethene	130	3.686	3.672	0.014	94	2107503	500.0	468.6	
70 2-ethoxy-2-methyl butane	59	3.930	3.922	0.008	90	6658176	500.0	571.4	
71 Dibromomethane	93	4.044	4.037	0.007	96	1361925	500.0	512.0	
72 n-Butanol	56	4.073	4.059	0.014	92	1533061	12500	12038	
73 1,2-Dichloropropane	63	4.145	4.130	0.015	87	2717433	500.0	544.9	
75 Dichlorobromomethane	83	4.224	4.216	0.008	98	3174532	500.0	540.7	
74 Ethyl acrylate	55	4.216	4.216	0.000	98	3184297	500.0	486.7	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.001	0	39923	1000.0	1000.0	
77 Methyl methacrylate	100	4.417	4.410	0.007	94	1141754	1000.0	1072.3	
78 1,4-Dioxane	88	4.438	4.431	0.007	99	473452	10000	9820.8	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	3610066	500.0	602.4	
80 2-Chloroethyl vinyl ether	63	4.832	4.825	0.007	96	1599289	501.2	595.0	
81 cis-1,3-Dichloropropene	75	4.868	4.854	0.014	98	4089782	500.0	606.4	
$ 82 Toluene-d8 (Surr)	98	5.062	5.054	0.008	98	898877	50.0	51.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.112	5.104	0.008	93	9582437	500.0	482.9	
84 Epichlorohydrin	57	5.148	5.133	0.015	100	4491835	10000	11098	
85 2-Nitropropane	41	5.362	5.355	0.007	98	1229529	1000.0	1280.2	
86 Tetrachloroethene	166	5.534	5.534	0.000	95	2085725	500.0	487.6	
87 4-Methyl-2-pentanone (MIBK	43	5.584	5.577	0.007	99	11729251	2500.0	2568.6	
88 trans-1,3-Dichloropropene	75	5.620	5.606	0.014	97	3617052	500.0	586.9	
89 1,1,2-Trichloroethane	83	5.785	5.778	0.007	94	1730617	500.0	528.9	
90 Ethyl methacrylate	69	5.871	5.864	0.007	92	3245595	500.0	594.5	
91 Chlorodibromomethane	129	5.986	5.978	0.008	98	2245059	500.0	578.8	
92 1,3-Dichloropropane	76	6.100	6.093	0.007	98	3706760	500.0	551.9	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	2056132	500.0	563.5	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	3902933	500.0	481.9	
95 2-Hexanone	43	6.637	6.630	0.007	98	8546446	2500.0	2740.2	
* 96 Chlorobenzene-d5	117	6.917	6.909	0.008	91	657932	50.0	50.0	
97 Chlorobenzene	112	6.938	6.931	0.007	90	5774590	500.0	478.5	
98 Ethylbenzene	106	7.031	7.017	0.014	100	3030689	500.0	484.5	
99 1,1,1,2-Tetrachloroethane	131	7.053	7.046	0.007	93	2049005	500.0	537.4	
100 m-Xylene & p-Xylene	106	7.239	7.232	0.007	0	3876614	500.0	496.0	
101 o-Xylene	106	7.827	7.819	0.008	92	3697448	500.0	501.3	
102 Bromoform	173	7.884	7.884	0.000	95	1401500	500.0	626.0	
103 Styrene	104	7.912	7.905	0.007	93	6477507	500.0	510.1	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	1797561	500.0	482.3	
105 Isopropylbenzene	105	8.314	8.306	0.008	98	8770954	500.0	500.6	
106 Amyl acetate (mixed isomer	43	8.657	8.650	0.007	89	4847208	500.0	482.8	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	86	270659	50.0	50.2	
108 Bromobenzene	156	8.786	8.786	0.000	94	2517555	500.0	506.2	
109 N-Propylbenzene	91	8.944	8.937	0.007	98	10355804	500.0	504.7	
110 1,1,2,2-Tetrachloroethane	83	9.094	9.087	0.007	98	2420672	500.0	521.5	
111 2-Chlorotoluene	91	9.116	9.109	0.007	97	7743773	500.0	495.4	
112 4-Ethyltoluene	105	9.137	9.130	0.007	98	8303017	500.0	486.0	
113 1,2,3-Trichloropropane	110	9.223	9.216	0.007	97	709331	500.0	518.4	
114 1,3,5-Trimethylbenzene	105	9.295	9.288	0.007	92	7335424	500.0	505.1	
115 trans-1,4-Dichloro-2-buten	53	9.352	9.345	0.007	87	891753	500.0	483.6	
116 4-Chlorotoluene	91	9.388	9.374	0.014	99	7641129	500.0	516.6	
117 tert-Butylbenzene	119	9.753	9.746	0.007	91	5427462	500.0	503.3	
118 1,2,4-Trimethylbenzene	105	9.889	9.882	0.007	99	7093601	500.0	485.3	
119 Butyl Methacrylate	87	9.897	9.889	0.008	97	3039316	500.0	499.3	
120 sec-Butylbenzene	105	10.047	10.040	0.007	98	7500499	500.0	498.4	
121 1,3-Dichlorobenzene	146	10.305	10.298	0.007	93	4170708	500.0	478.3	
122 4-Isopropyltoluene	119	10.334	10.319	0.015	97	6240895	500.0	499.2	
* 123 1,4-Dichlorobenzene-d4	152	10.441	10.434	0.007	97	354990	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.470	10.455	0.015	92	4481265	500.0	475.3	
125 1,2,3-Trimethylbenzene	105	10.570	10.563	0.007	100	7971268	500.0	505.2	
126 2,3-Dihydroindene	117	10.749	10.735	0.014	94	7697003	500.0	488.8	
127 Benzyl chloride	126	10.914	10.906	0.008	98	841626	500.0	499.3	
128 p-Diethylbenzene	119	10.942	10.935	0.007	92	3296313	500.0	507.2	
129 n-Butylbenzene	91	11.021	11.014	0.007	98	5699667	500.0	515.7	
130 1,2-Dichlorobenzene	146	11.129	11.121	0.008	93	4251012	500.0	486.6	
131 1,2,4,5-Tetramethylbenzene	119	12.081	12.074	0.007	96	5755709	500.0	512.8	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	96	457839	500.0	487.9	
133 1,3,5-Trichlorobenzene	180	12.268	12.267	0.001	96	2416282	500.0	468.1	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	2292430	500.0	488.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	95	899646	500.0	481.4	
136 Naphthalene	128	13.242	13.242	0.000	98	5833225	500.0	548.1	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	95	2133588	500.0	483.6	
S 138 1,2-Dichloroethene, Total	100				0		1000.0	960.3	
S 139 1,3-Dichloropropene, Total	100				0		1000.0	1193.3	
S 140 Xylenes, Total	100				0		1000.0	997.3	
S 142 Total BTEX	1				0		2500.0	2471.1	

Reagents:

MIX 2 Hi_00086	Amount Added:	50.00	Units: uL	
MIX I Hi_00112	Amount Added:	50.00	Units: uL	
Ethanol mix_00031	Amount Added:	50.00	Units: uL	
GAS Hi_00320	Amount Added:	50.00	Units: uL	
8FreonHi_00007	Amount Added:	50.00	Units: uL	
ACROLEIN W_00094	Amount Added:	40.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2019 10:34:53 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65047.D

Injection Date: 23-Aug-2019 11:10:30 Instrument ID: CVOAMS13 Operator ID:

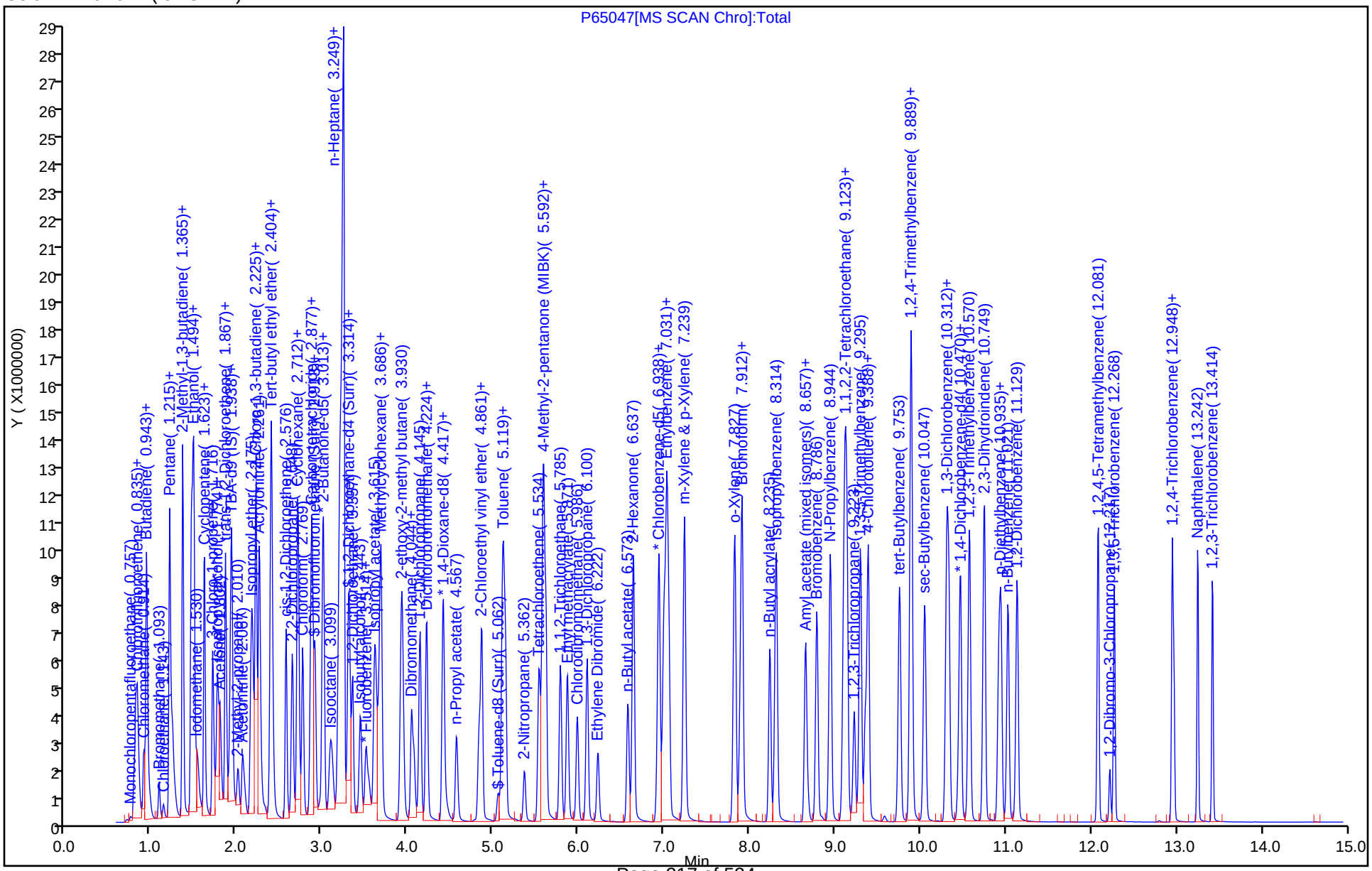
Lims ID: STD500 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Aug-2019 13:15:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0096522-014
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:34:58 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 12:36:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.764	0.756	0.008	27	168	5.00	1.63	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	86	4359	5.00	5.00	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	27061	5.00	5.18	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	93	11576	5.00	4.83	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	97	4782	5.00	4.80	a
6 Chloromethane	50	0.914	0.914	0.000	99	27375	5.00	5.27	
8 Butadiene	54	0.936	0.936	0.000	96	27348	5.00	4.82	
7 Vinyl chloride	62	0.943	0.943	0.000	67	30113	5.00	5.13	
9 Bromomethane	94	1.086	1.086	0.000	97	10471	5.00	6.17	
10 Chloroethane	64	1.151	1.150	0.001	99	17207	5.00	5.65	
11 Pentane	72	1.215	1.208	0.007	97	7705	10.0	11.2	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	97	33865	5.00	5.75	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	43923	5.00	5.37	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	29406	5.00	5.21	
15 Ethyl ether	59	1.365	1.365	0.000	93	19920	5.00	5.38	
16 Ethanol	46	1.444	1.444	0.000	97	4712	200.0	196.2	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	74	31950	5.00	5.14	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	95	18081	5.00	5.38	
19 Carbon disulfide	76	1.480	1.480	0.000	100	67083	5.00	5.25	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	93	18059	5.00	5.40	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	45	29260	5.00	5.02	
22 Iodomethane	142	1.545	1.544	0.001	97	3778	5.00	0.7859	M
23 Cyclopentene	67	1.616	1.616	0.000	96	54189	5.00	5.22	
24 Acrolein	56	1.638	1.637	0.001	96	6579	20.0	19.3	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	90	11992	5.00	5.01	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	12513	50.0	47.2	
27 Methylene Chloride	84	1.774	1.774	0.000	97	23910	5.00	5.08	
28 Acetone	43	1.802	1.802	0.000	86	32235	25.0	27.6	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	21781	5.00	5.53	
30 Methyl acetate	43	1.874	1.874	0.000	100	34757	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	79	3845	5.00	5.48	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	95	62976	5.00	5.21	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	329939	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	18139	50.0	49.3	
35 Acetonitrile	41	2.067	2.067	0.000	98	28234	50.0	53.7	
36 Isopropyl ether	45	2.161	2.160	0.001	96	86664	5.00	5.07	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	94	18983	5.00	5.25	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	44096	5.00	5.24	
39 Acrylonitrile	53	2.261	2.254	0.007	94	86191	50.0	51.3	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	89	79215	5.00	5.13	
41 Vinyl acetate	43	2.397	2.390	0.007	100	76270	10.0	8.38	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	95	25307	5.00	5.28	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	95	32392	5.00	5.13	
44 Cyclohexane	56	2.705	2.705	0.000	93	35354	5.00	5.20	
45 Chlorobromomethane	128	2.712	2.705	0.007	94	12478	5.00	5.42	
46 Chloroform	83	2.769	2.769	0.000	98	43005	5.00	5.31	
47 Carbon tetrachloride	117	2.855	2.855	0.000	97	26284	5.00	4.88	
48 Ethyl acetate	70	2.870	2.870	0.000	99	5207	10.0	10.7	
49 Methyl acrylate	55	2.877	2.870	0.007	75	18853	5.00	4.87	
50 Tetrahydrofuran	42	2.884	2.884	0.000	94	17254	10.0	10.5	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	221981	50.0	52.1	
52 1,1,1-Trichloroethane	97	2.906	2.905	0.001	98	32899	5.00	4.99	
* 53 2-Butanone-d5	46	2.956	2.963	-0.007	0	456978	250.0	250.0	
54 2-Butanone (MEK)	72	2.991	2.998	-0.007	98	13808	25.0	26.3	
55 1,1-Dichloropropene	75	2.999	2.998	0.001	83	35297	5.00	5.26	a
56 Isooctane	57	3.085	3.084	0.001	98	43528	5.00	5.60	
57 n-Heptane	57	3.185	3.178	0.007	83	10736	5.00	5.29	
58 Benzene	78	3.185	3.185	0.000	96	101337	5.00	5.23	
59 Propionitrile	54	3.214	3.206	0.008	99	30560	50.0	51.2	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	93089	50.0	54.4	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	274383	50.0	49.6	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	65296	5.00	5.08	
63 1,2-Dichloroethane	62	3.350	3.349	0.001	97	34372	5.00	5.14	
64 Isobutyl alcohol	43	3.428	3.428	0.000	97	17185	125.0	112.1	
65 t-Amyl alcohol	59	3.493	3.493	0.000	89	10706	50.0	45.2	a
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	941179	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	40776	5.00	4.58	
68 Methylcyclohexane	83	3.650	3.657	-0.007	94	26885	5.00	5.43	
69 Trichloroethene	130	3.672	3.672	0.000	98	24956	5.00	5.48	
70 2-ethoxy-2-methyl butane	59	3.923	3.922	0.001	93	57567	5.00	4.88	
71 Dibromomethane	93	4.044	4.037	0.007	96	14307	5.00	5.31	
72 n-Butanol	56	4.059	4.059	0.000	90	8557	125.0	110.0	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	86	25434	5.00	5.04	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	28759	5.00	4.84	
74 Ethyl acrylate	55	4.216	4.216	0.000	71	24726	5.00	5.10	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.001	0	38518	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	92	10987	10.0	10.2	
78 1,4-Dioxane	88	4.431	4.431	0.000	49	5263	100.0	113.2	
79 n-Propyl acetate	43	4.575	4.567	0.007	98	27383	5.00	4.51	
80 2-Chloroethyl vinyl ether	63	4.832	4.825	0.007	97	12961	5.01	4.76	
81 cis-1,3-Dichloropropene	75	4.861	4.854	0.007	96	33829	5.00	4.80	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	914271	50.0	50.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.105	5.104	0.001	92	111673	5.00	5.38	
84 Epichlorohydrin	57	5.140	5.133	0.007	99	35346	100.0	98.0	
85 2-Nitropropane	41	5.362	5.355	0.007	97	8163	10.0	8.40	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	23347	5.00	5.22	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	101845	25.0	25.0	
88 trans-1,3-Dichloropropene	75	5.613	5.606	0.007	97	31249	5.00	4.85	
89 1,1,2-Trichloroethane	83	5.785	5.778	0.007	95	17404	5.00	5.09	
90 Ethyl methacrylate	69	5.864	5.864	0.000	90	25998	5.00	4.70	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	19630	5.00	4.84	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	34841	5.00	4.96	
93 Ethylene Dibromide	107	6.222	6.222	0.000	99	18902	5.00	4.96	
94 n-Butyl acetate	43	6.580	6.573	0.007	98	24784	5.00	4.66	
95 2-Hexanone	43	6.637	6.630	0.007	96	68935	25.0	24.8	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	89	687658	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	68125	5.00	5.40	
98 Ethylbenzene	106	7.017	7.017	0.000	99	34055	5.00	5.21	
99 1,1,1,2-Tetrachloroethane	131	7.039	7.046	-0.007	91	20317	5.00	5.10	
100 m-Xylene & p-Xylene	106	7.239	7.232	0.007	0	42489	5.00	5.20	
101 o-Xylene	106	7.819	7.819	0.000	93	39837	5.00	5.17	
102 Bromoform	173	7.884	7.884	0.000	93	10491	5.00	4.48	
103 Styrene	104	7.912	7.905	0.007	94	58528	5.00	4.78	
104 n-Butyl acrylate	73	8.249	8.235	0.014	97	11942	5.00	4.72	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	98766	5.00	5.39	
106 Amyl acetate (mixed isomer	43	8.657	8.650	0.007	91	29901	5.00	4.66	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	282509	50.0	50.1	
108 Bromobenzene	156	8.786	8.786	0.000	97	27298	5.00	5.21	
109 N-Propylbenzene	91	8.944	8.937	0.007	99	113419	5.00	5.25	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	97	24701	5.00	5.05	
111 2-Chlorotoluene	91	9.109	9.109	0.000	96	87073	5.00	5.29	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	95508	5.00	5.31	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	96	7376	5.00	5.12	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	92	79558	5.00	5.20	
115 trans-1,4-Dichloro-2-buten	53	9.352	9.345	0.007	68	5034	5.00	4.48	
116 4-Chlorotoluene	91	9.381	9.374	0.007	99	82430	5.00	5.29	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	60670	5.00	5.34	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	97	81774	5.00	5.31	
119 Butyl Methacrylate	87	9.889	9.889	0.000	98	19208	5.00	2.87	
120 sec-Butylbenzene	105	10.047	10.040	0.007	99	86182	5.00	5.44	
121 1,3-Dichlorobenzene	146	10.305	10.298	0.007	94	49680	5.00	5.41	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	69784	5.00	5.30	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	373897	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	93	53660	5.00	5.40	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	87063	5.00	5.24	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	88215	5.00	5.32	
127 Benzyl chloride	126	10.921	10.906	0.015	94	3933	5.00	2.67	
128 p-Diethylbenzene	119	10.935	10.935	0.000	90	35032	5.00	5.12	
129 n-Butylbenzene	91	11.021	11.014	0.007	98	61215	5.00	5.26	
130 1,2-Dichlorobenzene	146	11.129	11.121	0.008	95	49741	5.00	5.41	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	60094	5.00	5.08	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	90	3364	5.00	4.91	
133 1,3,5-Trichlorobenzene	180	12.268	12.267	0.001	96	29891	5.00	5.50	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	95	26314	5.00	5.32	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	95	10947	5.00	5.56	
136 Naphthalene	128	13.249	13.242	0.007	99	58299	5.00	5.20	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	95	26542	5.00	5.71	
S 138 1,2-Dichloroethene, Total	100				0		10.0	10.8	
S 139 1,3-Dichloropropene, Total	100				0		10.0	9.65	
S 140 Xylenes, Total	100				0		10.0	10.4	
S 142 Total BTEX	1				0		25.0	26.2	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00329	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00103	Amount Added:	10.00	Units: uL	
ACROLEIN W_00094	Amount Added:	4.00	Units: uL	
524freon_00009	Amount Added:	10.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2019 10:35:05 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13 Operator ID:

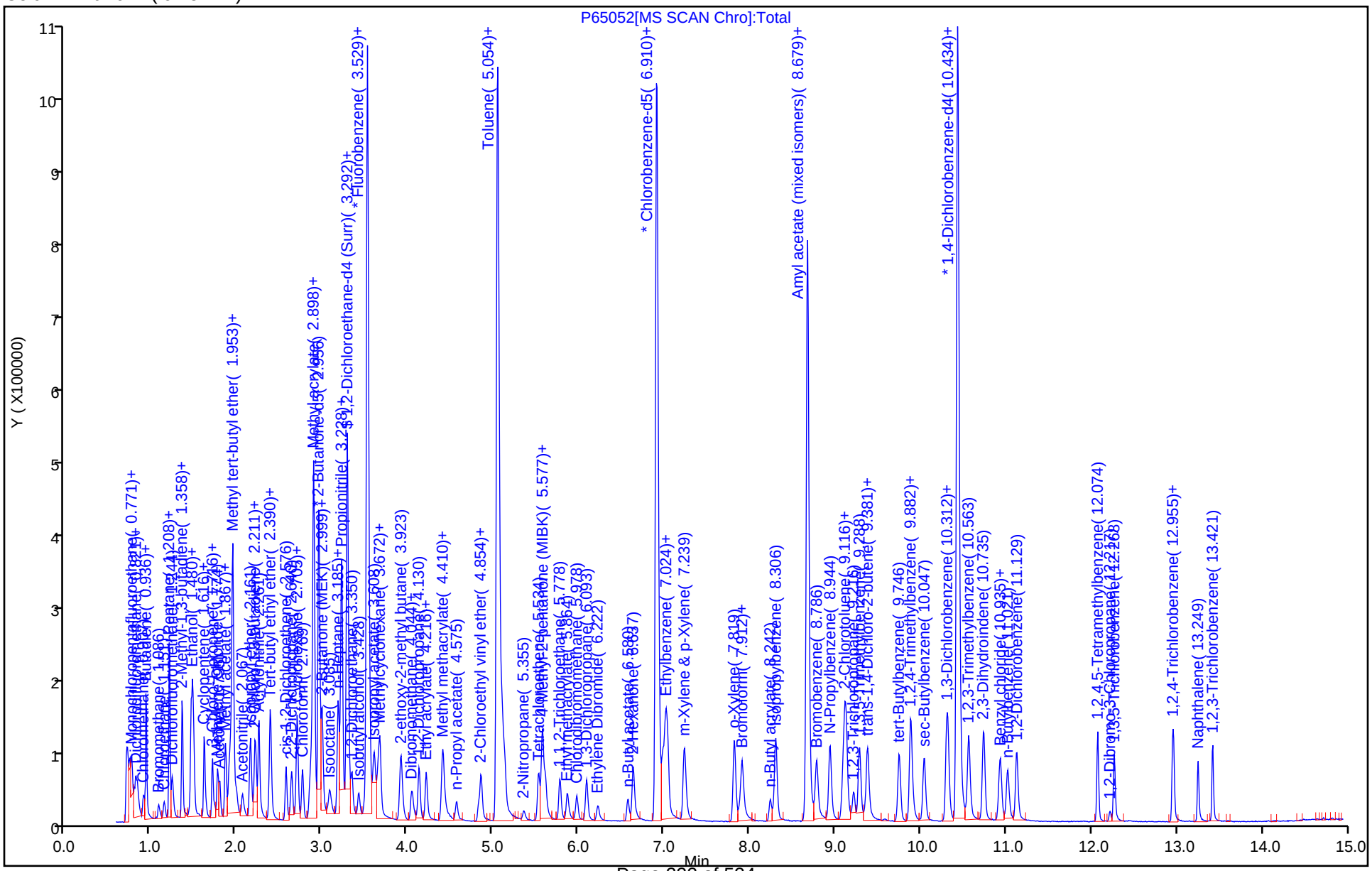
Lims ID: STD5 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

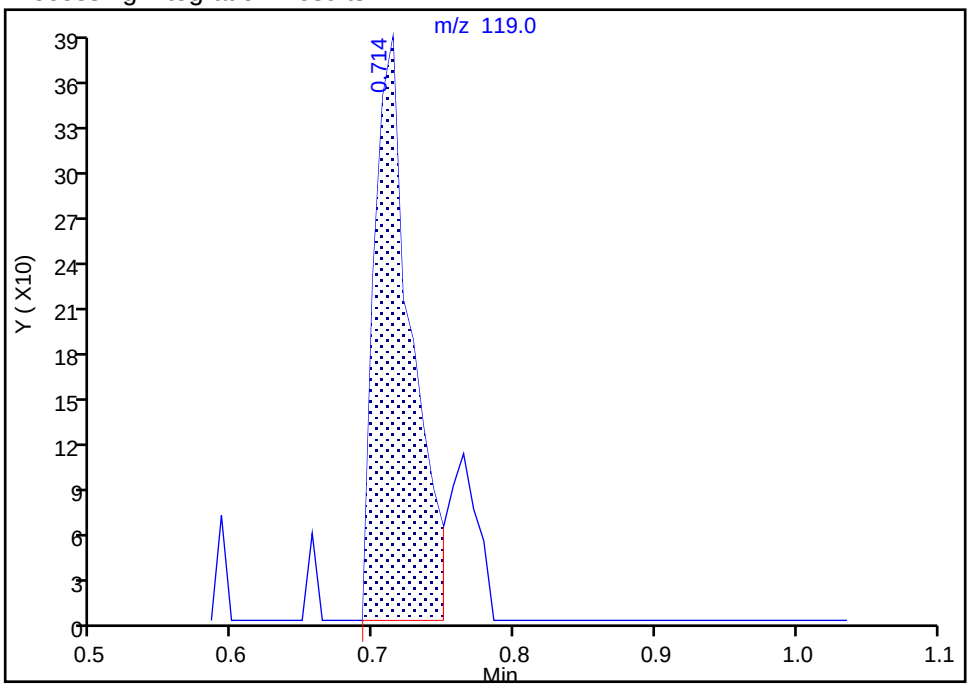
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

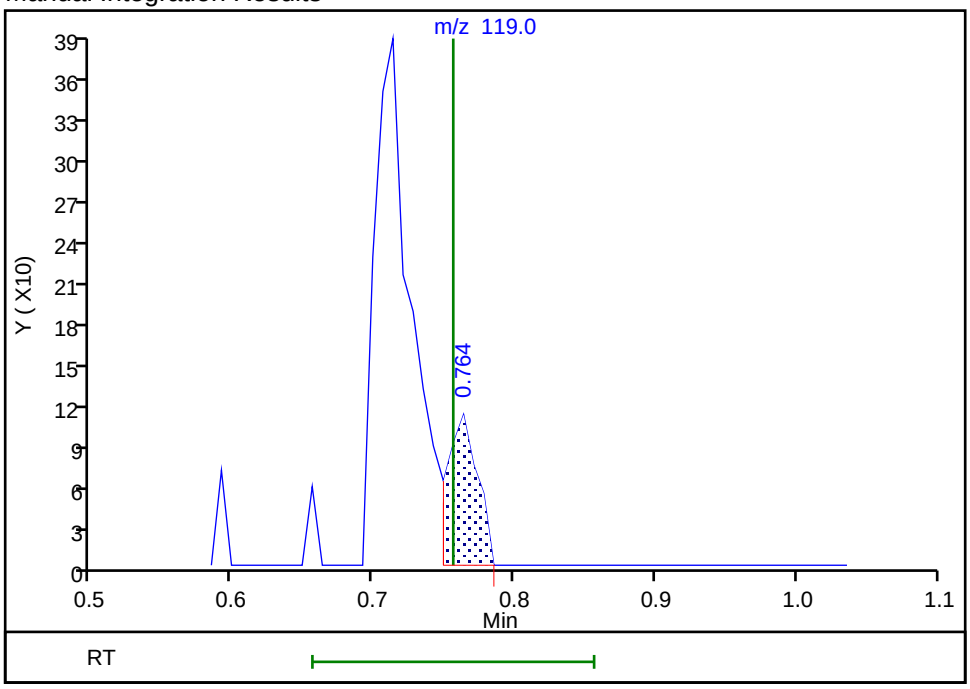
Processing Integration Results

RT: 0.71
Area: 707
Amount: 10.089287
Amount Units: ug/l



Manual Integration Results

RT: 0.76
Area: 168
Amount: 1.629794
Amount Units: ug/l



Reviewer: pakanatir, 23-Aug-2019 16:57:05
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

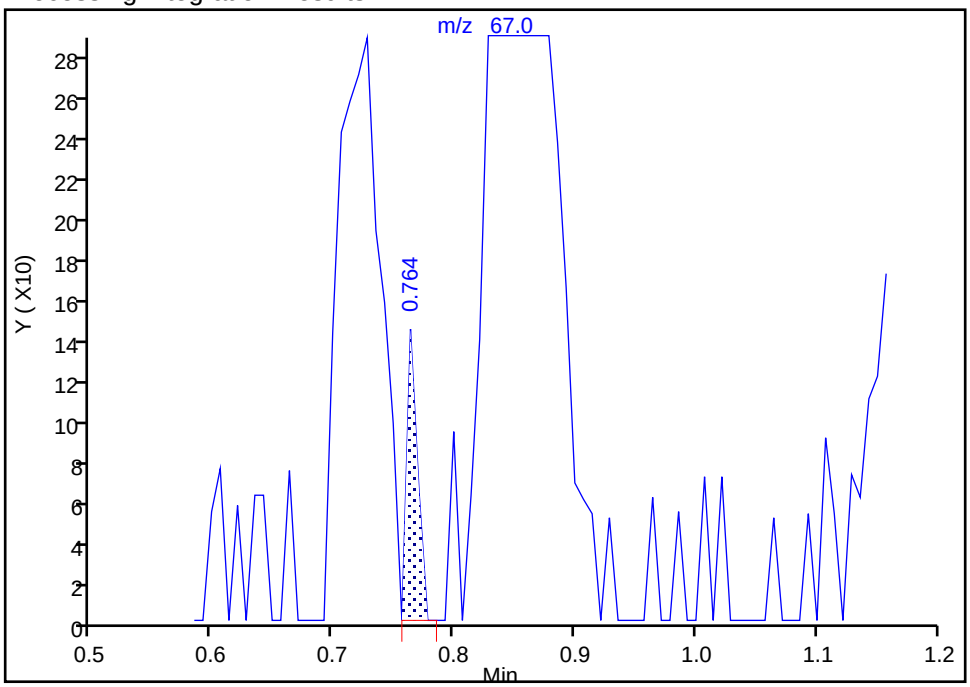
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

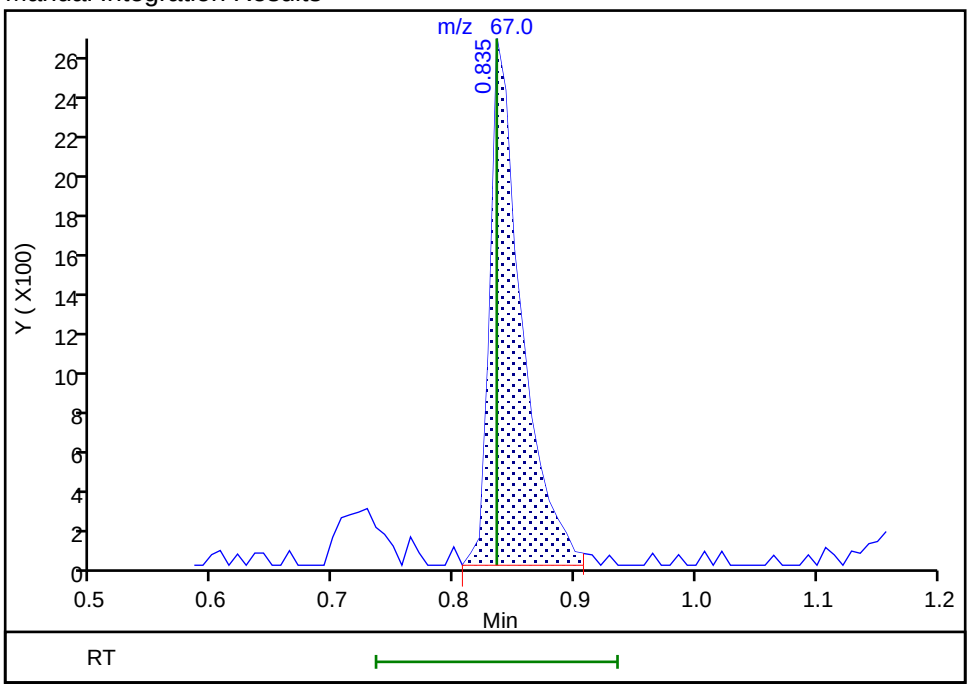
Processing Integration Results

RT: 0.76
Area: 88
Amount: 0.090820
Amount Units: ug/l



Manual Integration Results

RT: 0.84
Area: 4782
Amount: 4.800029
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 12:35:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

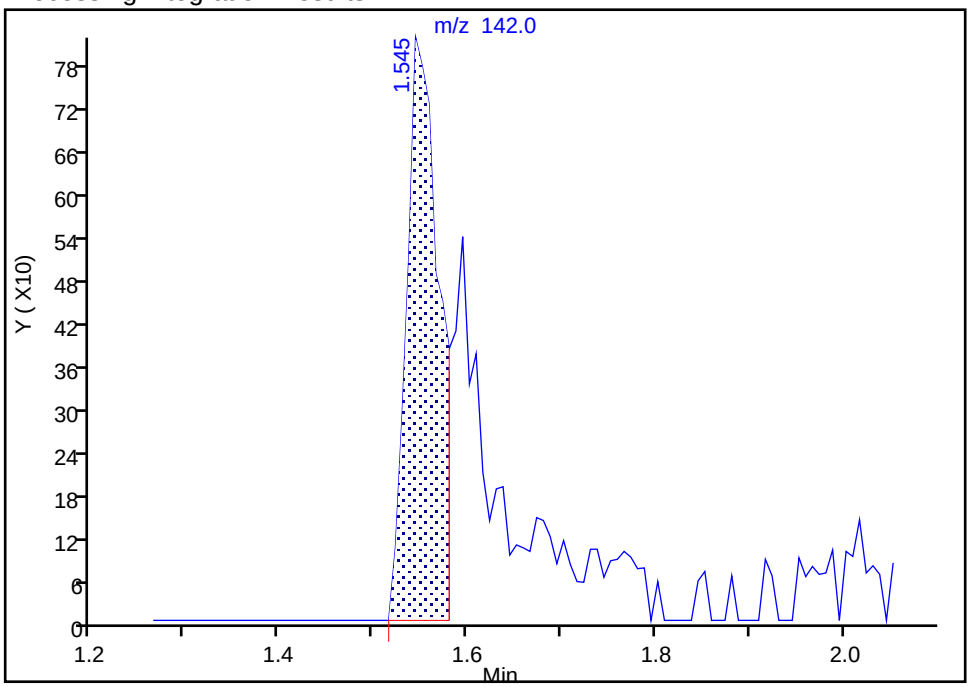
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Iodomethane, CAS: 74-88-4

Signal: 1

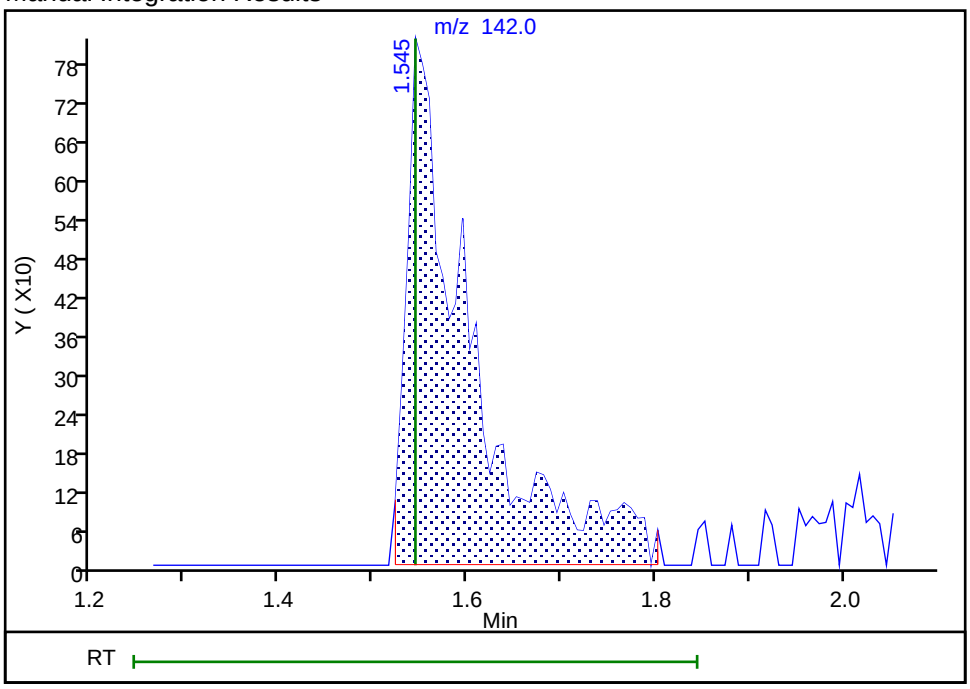
Processing Integration Results

RT: 1.54
Area: 1935
Amount: 0.402518
Amount Units: ug/l



Manual Integration Results

RT: 1.54
Area: 3778
Amount: 0.785862
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 12:35:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

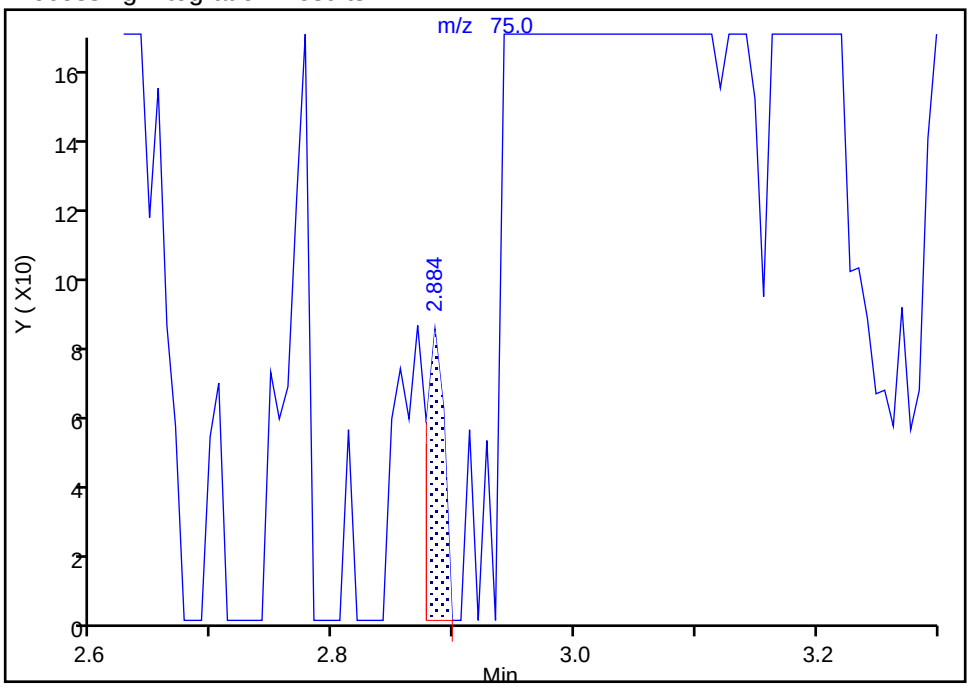
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

55 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

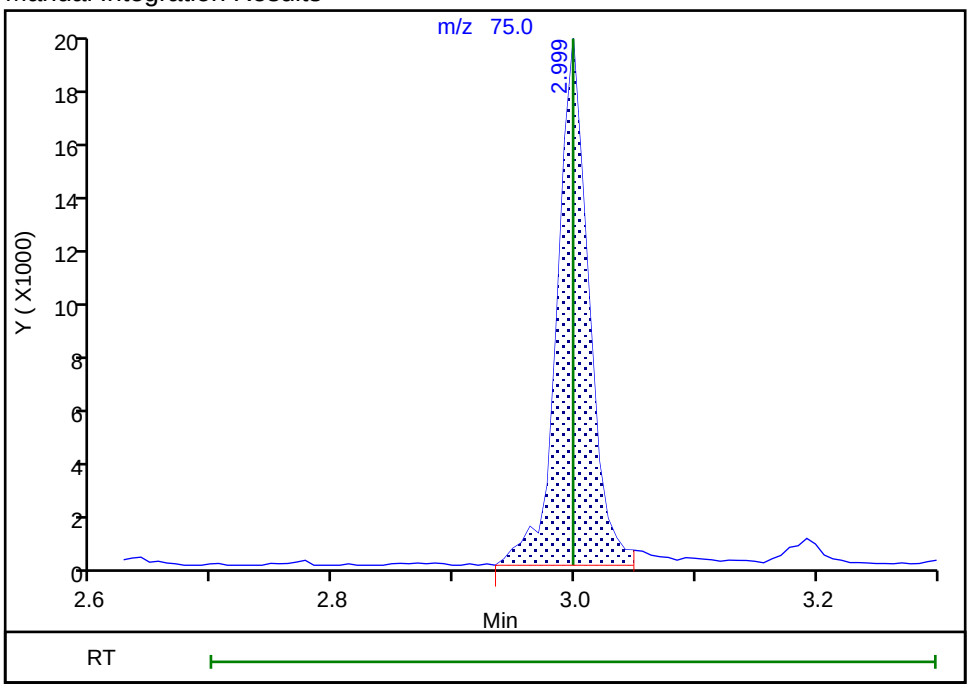
RT: 2.88
Area: 84
Amount: 0.012630
Amount Units: ug/l

Processing Integration Results



RT: 3.00
Area: 35297
Amount: 5.260361
Amount Units: ug/l

Manual Integration Results



Reviewer: desais, 23-Aug-2019 12:36:08
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0055	0.0034		12.5	20.0	-37.5*	20.0
Chlorotrifluoroethene	Ave	0.0463	0.0323		13.9	20.0	-30.4*	20.0
Dichlorodifluoromethane	Ave	0.2776	0.2098	0.1000	15.1	20.0	-24.4*	20.0
1,1-Difluoroethane	Ave	0.1273	0.1103		17.3	20.0	-13.3	20.0
Chlorodifluoromethane	Ave	0.0529	0.0411		15.5	20.0	-22.4*	20.0
Chloromethane	Ave	0.2762	0.2946	0.1000	21.3	20.0	6.7	20.0
Butadiene	Ave	0.3016	0.3357		22.3	20.0	11.3	20.0
Vinyl chloride	Ave	0.3121	0.3637	0.1000	23.3	20.0	16.5	20.0
Bromomethane	Ave	0.9290	0.8782	0.1000	18.9	20.0	-5.5	50.0
Chloroethane	QuaF		0.1853	0.1000	23.4	20.0	17.1	50.0
Pentane	Qua2		1.153		23.0	40.0	-42.5*	20.0
Trichlorofluoromethane	Ave	0.3129	0.3373	0.1000	21.6	20.0	7.8	20.0
Dichlorofluoromethane	Ave	0.4343	0.5191		23.9	20.0	19.5	20.0
2-Methyl-1,3-butadiene	Ave	0.2998	0.2982		19.9	20.0	-0.5	20.0
Ethyl ether	Ave	0.1966	0.2389		24.3	20.0	21.5*	20.0
Ethanol	Ave	0.0728	0.0817		897	800	12.2	50.0
1,1-Dichloroethene	Ave	0.1784	0.1860	0.1000	20.9	20.0	4.3	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3300	0.3720		22.5	20.0	12.7	20.0
Carbon disulfide	Ave	0.6788	0.6920	0.1000	20.4	20.0	1.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1775	0.1611	0.1000	18.1	20.0	-9.3	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3099	0.3471		22.4	20.0	12.0	20.0
Iodomethane	QuaF		0.1529		12.0	20.0	-40.0*	20.0
Cyclopentene	Ave	0.5511	0.5409		19.6	20.0	-1.8	20.0
Acrolein	Ave	1.032	1.092		42.3	40.0	5.8	50.0
Allyl chloride	Ave	0.1272	0.1452		22.8	20.0	14.1	20.0
Isopropyl alcohol	Ave	0.8028	0.8454		211	200	5.3	50.0
Methylene Chloride	Ave	0.2502	0.2741	0.1000	21.9	20.0	9.5	20.0
Acetone	Ave	0.6382	0.7900	0.0500	124	100	23.8	50.0
trans-1,2-Dichloroethene	Ave	0.2092	0.2416	0.1000	23.1	20.0	15.5	20.0
Methyl acetate	Ave	10.01	9.760	0.1000	39.0	40.0	-2.5	20.0
Hexane	Ave	0.0372	0.0310		16.6	20.0	-16.9	20.0
Methyl tert-butyl ether	Ave	0.6422	0.7652	0.1000	23.8	20.0	19.1	20.0
2-Methyl-2-propanol	Ave	1.116	1.138		204	200	2.0	50.0
Acetonitrile	Ave	1.593	1.867		235	200	17.3	20.0
Isopropyl ether	Ave	0.9088	1.133		24.9	20.0	24.6*	20.0
2-Chloro-1,3-butadiene	Ave	0.1921	0.2135		22.2	20.0	11.1	20.0
1,1-Dichloroethane	Ave	0.4473	0.5241	0.2000	23.4	20.0	17.2	20.0
Acrylonitrile	Ave	0.0892	0.1116		250	200	25.1*	20.0
Tert-butyl ethyl ether	Ave	0.8195	0.9382		22.9	20.0	14.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Vinyl acetate	Ave	0.4837	0.6674		55.2	40.0	38.0*	20.0
cis-1,2-Dichloroethene	Ave	0.2545	0.2676	0.1000	21.0	20.0	5.1	20.0
2,2-Dichloropropane	Ave	0.3357	0.3492		20.8	20.0	4.0	20.0
Chlorobromomethane	Ave	0.1223	0.1300		21.3	20.0	6.3	20.0
Cyclohexane	Ave	0.3609	0.3214	0.1000	17.8	20.0	-11.0	50.0
Chloroform	Ave	0.4306	0.4743	0.2000	22.0	20.0	10.2	20.0
Carbon tetrachloride	Ave	0.2863	0.2722	0.1000	19.0	20.0	-4.9	20.0
Ethyl acetate	Ave	0.2663	0.2880		43.2	40.0	8.1	20.0
Methyl acrylate	Ave	0.2057	0.2226		21.6	20.0	8.2	20.0
Tetrahydrofuran	Ave	0.9014	1.002		44.5	40.0	11.2	20.0
1,1,1-Trichloroethane	Ave	0.3506	0.3483	0.1000	19.9	20.0	-0.6	20.0
2-Butanone (MEK)	Ave	0.2871	0.2950	0.0500	103	100	2.8	50.0
1,1-Dichloropropene	Ave	0.3565	0.3499		19.6	20.0	-1.8	20.0
2,2,4-Trimethylpentane	Ave	0.4128	0.3575		17.3	20.0	-13.4	20.0
n-Heptane	Ave	0.1079	0.0905		16.8	20.0	-16.1	20.0
Benzene	Ave	1.408	1.484	0.5000	21.1	20.0	5.4	20.0
Propionitrile	Ave	1.810	1.807		200	200	-0.2	20.0
Methacrylonitrile	Ave	0.0908	0.1066		235	200	17.4	20.0
Tert-amyl methyl ether	Ave	0.6829	0.7073		20.7	20.0	3.6	20.0
1,2-Dichloroethane	Ave	0.3553	0.3620	0.1000	20.4	20.0	1.9	20.0
Isobutyl alcohol	Ave	0.4645	0.4131		445	500	-11.1	50.0
Isopropyl acetate	Ave	0.4735	0.5064		21.4	20.0	7.0	20.0
Methylcyclohexane	Ave	0.2629	0.2250	0.1000	17.1	20.0	-14.4	50.0
Trichloroethene	Ave	0.2419	0.2486	0.2000	20.6	20.0	2.8	20.0
Dibromomethane	Ave	0.1431	0.1496		20.9	20.0	4.5	20.0
n-Butanol	Qua2		0.2381		470	500	-6.1	50.0
1,2-Dichloropropane	Ave	0.2682	0.2923	0.1000	21.8	20.0	9.0	20.0
Ethyl acrylate	Qua2		0.3138		22.5	20.0	12.6	20.0
Dichlorobromomethane	Ave	0.3157	0.3319	0.2000	21.0	20.0	5.1	20.0
Methyl methacrylate	Ave	0.0573	0.0613		42.8	40.0	7.0	20.0
1,4-Dioxane	Ave	1.208	1.335		442	400	10.5	50.0
n-Propyl acetate	Ave	0.3223	0.3531		21.9	20.0	9.6	20.0
2-Chloroethyl vinyl ether	Ave	0.1445	0.1434		19.9	20.0	-0.8	20.0
cis-1,3-Dichloropropene	Ave	0.5125	0.5505	0.2000	21.5	20.0	7.4	50.0
Toluene	Ave	1.508	1.579	0.4000	20.9	20.0	4.7	20.0
Epichlorohydrin	Ave	0.1972	0.2204		447	400	11.8	20.0
2-Nitropropane	Ave	0.0516	0.0489		37.9	40.0	-5.3	20.0
Tetrachloroethene	Ave	0.3251	0.3237	0.2000	19.9	20.0	-0.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.225	2.518	0.0500	113	100	13.1	50.0
trans-1,3-Dichloropropene	Ave	0.4684	0.5026	0.1000	21.5	20.0	7.3	50.0
1,1,2-Trichloroethane	Ave	0.2487	0.2617	0.1000	21.1	20.0	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl methacrylate	Ave	0.2936	0.3081		21.0	20.0	4.9	20.0
Chlorodibromomethane	Ave	0.2947	0.2967	0.1000	20.1	20.0	0.7	50.0
1,3-Dichloropropane	Ave	0.5104	0.5493		21.5	20.0	7.6	20.0
Ethylene Dibromide	Ave	0.2773	0.2843	0.1000	20.5	20.0	2.5	20.0
n-Butyl acetate	Qua2		0.4522		21.6	20.0	8.2	20.0
2-Hexanone	Ave	1.520	1.757	0.0500	116	100	15.6	50.0
Chlorobenzene	Ave	0.9171	0.9543	0.5000	20.8	20.0	4.1	20.0
Ethylbenzene	Ave	0.4754	0.4949	0.1000	20.8	20.0	4.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2897	0.3061		21.1	20.0	5.7	20.0
m-Xylene & p-Xylene	Ave	0.5940	0.6155	0.1000	20.7	20.0	3.6	20.0
o-Xylene	Ave	0.5605	0.5840	0.3000	20.8	20.0	4.2	20.0
Bromoform	Ave	0.1701	0.1804	0.1000	21.2	20.0	6.0	20.0
Styrene	Lin2		0.998	0.3000	21.0	20.0	5.2	20.0
n-Butyl acrylate	Qua2		0.2157		21.5	20.0	7.6	20.0
Isopropylbenzene	Ave	1.332	1.455	0.1000	21.9	20.0	9.3	20.0
Amyl acetate (mixed isomers)	Qua2		1.055		22.4	20.0	12.0	20.0
Bromobenzene	Ave	0.7005	0.7701		22.0	20.0	9.9	20.0
N-Propylbenzene	Ave	2.890	3.191		22.1	20.0	10.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6538	0.7029	0.3000	21.5	20.0	7.5	20.0
2-Chlorotoluene	Ave	2.202	2.456		22.3	20.0	11.6	20.0
4-Ethyltoluene	Ave	2.406	2.726		22.7	20.0	13.3	20.0
1,2,3-Trichloropropane	Ave	0.1927	0.2084		21.6	20.0	8.1	20.0
1,3,5-Trimethylbenzene	Ave	2.045	2.268		22.2	20.0	10.9	20.0
trans-1,4-Dichloro-2-butene	Qua2		0.1879		23.8	20.0	19.2	20.0
4-Chlorotoluene	Ave	2.083	2.299		22.1	20.0	10.4	20.0
tert-Butylbenzene	Ave	1.519	1.670		22.0	20.0	9.9	20.0
1,2,4-Trimethylbenzene	Ave	2.059	2.338		22.7	20.0	13.5	20.0
Butyl Methacrylate	QuaF		0.7434		16.7	20.0	-16.7	20.0
sec-Butylbenzene	Ave	2.120	2.377		22.4	20.0	12.1	20.0
1,3-Dichlorobenzene	Ave	1.228	1.377	0.6000	22.4	20.0	12.1	20.0
4-Isopropyltoluene	Ave	1.761	1.963		22.3	20.0	11.4	20.0
1,4-Dichlorobenzene	Ave	1.328	1.486	0.5000	22.4	20.0	11.9	20.0
1,2,3-Trimethylbenzene	Ave	2.222	2.484		22.4	20.0	11.8	20.0
Indan	Ave	2.218	2.539		22.9	20.0	14.5	20.0
Benzyl chloride	QuaF		0.1654		16.7	20.0	-16.5	50.0
p-Diethylbenzene	Ave	0.9155	1.025		22.4	20.0	12.0	20.0
n-Butylbenzene	Ave	1.557	1.762		22.6	20.0	13.2	20.0
1,2-Dichlorobenzene	Ave	1.231	1.415	0.4000	23.0	20.0	15.0	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.581	1.770		22.4	20.0	11.9	20.0
1,2-Dibromo-3-Chloropropane	Qua2		0.1173	0.0500	23.9	20.0	19.4	50.0
1,3,5-Trichlorobenzene	Ave	0.7271	0.8393		23.1	20.0	15.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.6609	0.7714	0.2000	23.3	20.0	16.7	20.0
Hexachlorobutadiene	Ave	0.2632	0.3026		23.0	20.0	15.0	20.0
Naphthalene	Ave	1.499	1.726		23.0	20.0	15.2	50.0
1,2,3-Trichlorobenzene	Ave	0.6215	0.7303		23.5	20.0	17.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2262	0.2199		48.6	50.0	-2.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2939	0.2872		48.9	50.0	-2.3	20.0
Toluene-d8 (Surr)	Ave	1.331	1.253		47.1	50.0	-5.9	20.0
4-Bromofluorobenzene	Ave	0.4099	0.3901		47.6	50.0	-4.8	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Sep-2019 08:32:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0097690-003
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 10:55:53 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: desais Date: 17-Sep-2019 10:41:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlorodifluoromethane	67	0.835	0.835	0.000	96	11063	20.0	15.5	a
1 Monochloropentafluoroethan	119	0.757	0.757	0.000	7	922	20.0	12.5	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	84	8683	20.0	13.9	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	56471	20.0	15.1	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	97	29699	20.0	17.3	
6 Chloromethane	50	0.914	0.914	0.000	99	79316	20.0	21.3	
8 Butadiene	54	0.936	0.936	0.000	98	90370	20.0	22.3	
7 Vinyl chloride	62	0.943	0.943	0.000	98	97902	20.0	23.3	
9 Bromomethane	94	1.086	1.086	0.000	99	24099	20.0	18.9	
10 Chloroethane	64	1.151	1.151	0.000	100	49888	20.0	23.4	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	97	90788	20.0	21.6	
11 Pentane	72	1.208	1.208	0.000	99	12819	40.0	23.0	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	139742	20.0	23.9	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	80262	20.0	19.9	
15 Ethyl ether	59	1.365	1.365	0.000	94	64302	20.0	24.3	
16 Ethanol	46	1.444	1.444	0.000	100	18166	800.0	897.4	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	76	100145	20.0	22.5	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	50073	20.0	20.9	
19 Carbon disulfide	76	1.480	1.480	0.000	100	186289	20.0	20.4	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	96	43364	20.0	18.1	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	93	93439	20.0	22.4	a
22 Iodomethane	142	1.537	1.537	0.000	99	41156	20.0	12.0	
23 Cyclopentene	67	1.616	1.616	0.000	97	145606	20.0	19.6	
24 Acrolein	56	1.638	1.638	0.000	94	12142	40.0	42.3	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	90	39083	20.0	22.8	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	47012	200.0	210.6	
27 Methylene Chloride	84	1.774	1.774	0.000	98	73782	20.0	21.9	
28 Acetone	43	1.802	1.802	0.000	86	108396	100.0	123.8	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	65033	20.0	23.1	
30 Methyl acetate	43	1.874	1.874	0.000	100	108554	40.0	39.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	85	8334	20.0	16.6	
35 Acetonitrile	41	2.067	2.067	0.000	99	103846	200.0	234.5	a
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	97	205988	20.0	23.8	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	278058	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	63302	200.0	204.1	
36 Isopropyl ether	45	2.161	2.161	0.000	97	304936	20.0	24.9	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	93	57477	20.0	22.2	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	141082	20.0	23.4	
39 Acrylonitrile	53	2.254	2.254	0.000	94	300456	200.0	250.3	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	87	252556	20.0	22.9	
41 Vinyl acetate	43	2.390	2.390	0.000	100	359311	40.0	55.2	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	72032	20.0	21.0	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	97	94014	20.0	20.8	
44 Cyclohexane	56	2.705	2.705	0.000	94	86514	20.0	17.8	
45 Chlorobromomethane	128	2.705	2.705	0.000	98	34987	20.0	21.3	
46 Chloroform	83	2.769	2.769	0.000	98	127687	20.0	22.0	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	73287	20.0	19.0	
48 Ethyl acetate	70	2.870	2.870	0.000	97	15804	40.0	43.2	
49 Methyl acrylate	55	2.870	2.870	0.000	97	59909	20.0	21.6	
50 Tetrahydrofuran	42	2.877	2.877	0.000	94	55007	40.0	44.5	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	147973	50.0	48.6	
52 1,1,1-Trichloroethane	97	2.906	2.906	0.000	98	93772	20.0	19.9	
* 53 2-Butanone-d5	46	2.956	2.956	0.000	0	343008	250.0	250.0	
54 2-Butanone (MEK)	72	2.991	2.991	0.000	100	40471	100.0	102.8	
55 1,1-Dichloropropene	75	2.999	2.999	0.000	94	94195	20.0	19.6	
56 Isooctane	57	3.085	3.085	0.000	98	96229	20.0	17.3	
57 n-Heptane	57	3.178	3.178	0.000	84	24371	20.0	16.8	
58 Benzene	78	3.185	3.185	0.000	97	296769	20.0	21.1	
59 Propionitrile	54	3.206	3.206	0.000	98	100471	200.0	199.7	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	286988	200.0	234.7	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	193255	50.0	48.9	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	190404	20.0	20.7	
63 1,2-Dichloroethane	62	3.342	3.342	0.000	96	97440	20.0	20.4	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	57427	500.0	444.6	
65 t-Amyl alcohol	59	3.493	3.493	0.000	93	35717	200.0	178.9	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	672993	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	136326	20.0	21.4	
68 Methylcyclohexane	83	3.658	3.658	0.000	95	60562	20.0	17.1	
69 Trichloroethene	130	3.672	3.672	0.000	98	66928	20.0	20.6	
70 2-ethoxy-2-methyl butane	59	3.923	3.923	0.000	92	166954	20.0	19.8	
71 Dibromomethane	93	4.044	4.044	0.000	96	40259	20.0	20.9	
72 n-Butanol	56	4.059	4.059	0.000	93	33104	500.0	469.5	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	90	78672	20.0	21.8	
74 Ethyl acrylate	55	4.209	4.209	0.000	79	84479	20.0	22.5	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	89340	20.0	21.0	
* 76 1,4-Dioxane-d8	96	4.403	4.403	0.000	0	27586	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	94	32994	40.0	42.8	
78 1,4-Dioxane	88	4.431	4.431	0.000	97	14729	400.0	442.2	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	95061	20.0	21.9	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	97	38681	20.0	19.9	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	110082	20.0	21.5	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	626177	50.0	47.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.105	5.105	0.000	93	315778	20.0	20.9	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	120973	400.0	447.0	
85 2-Nitropropane	41	5.355	5.355	0.000	98	26335	40.0	37.9	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	64715	20.0	19.9	
87 4-Methyl-2-pentanone (MIBK	43	5.570	5.570	0.000	98	345479	100.0	113.1	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	98	100493	20.0	21.5	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	52335	20.0	21.1	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	82939	20.0	21.0	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	59325	20.0	20.1	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	109824	20.0	21.5	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	56848	20.0	20.5	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	90417	20.0	21.6	
95 2-Hexanone	43	6.630	6.630	0.000	98	241054	100.0	115.6	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	89	499881	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	94	190819	20.0	20.8	
98 Ethylbenzene	106	7.017	7.017	0.000	99	98949	20.0	20.8	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	61208	20.0	21.1	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	123067	20.0	20.7	
101 o-Xylene	106	7.819	7.819	0.000	93	116768	20.0	20.8	
102 Bromoform	173	7.884	7.884	0.000	96	36061	20.0	21.2	
103 Styrene	104	7.905	7.905	0.000	94	199573	20.0	21.0	
104 n-Butyl acrylate	73	8.242	8.242	0.000	96	43126	20.0	21.5	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	290997	20.0	21.9	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	112051	20.0	22.4	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	195014	50.0	47.6	
108 Bromobenzene	156	8.779	8.779	0.000	97	81820	20.0	22.0	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	339082	20.0	22.1	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	97	74683	20.0	21.5	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	260970	20.0	22.3	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	289592	20.0	22.7	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	22142	20.0	21.6	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	92	240936	20.0	22.2	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	83	19968	20.0	23.8	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	244267	20.0	22.1	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	177382	20.0	22.0	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	248359	20.0	22.7	
119 Butyl Methacrylate	87	9.889	9.889	0.000	94	78986	20.0	16.7	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	252570	20.0	22.4	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	146284	20.0	22.4	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	208512	20.0	22.3	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	265621	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	157846	20.0	22.4	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	263940	20.0	22.4	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	269772	20.0	22.9	
127 Benzyl chloride	126	10.914	10.914	0.000	95	17574	20.0	16.7	
128 p-Diethylbenzene	119	10.935	10.935	0.000	91	108904	20.0	22.4	
129 n-Butylbenzene	91	11.021	11.021	0.000	99	187230	20.0	22.6	
130 1,2-Dichlorobenzene	146	11.122	11.122	0.000	96	150297	20.0	23.0	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	188045	20.0	22.4	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	93	12466	20.0	23.9	
133 1,3,5-Trichlorobenzene	180	12.268	12.268	0.000	97	89171	20.0	23.1	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	81956	20.0	23.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	32151	20.0	23.0	
136 Naphthalene	128	13.242	13.242	0.000	99	183429	20.0	23.0	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	96	77594	20.0	23.5	
S 138 1,2-Dichloroethene, Total	100				0		40.0	44.1	
S 139 1,3-Dichloropropene, Total	100				0		40.0	42.9	
S 140 Xylenes, Total	100				0		40.0	41.6	
S 142 Total BTEX	1				0		100.0	104.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Sep-2019 10:55:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D

Injection Date: 17-Sep-2019 08:32:30 Instrument ID: CVOAMS13 Operator ID:

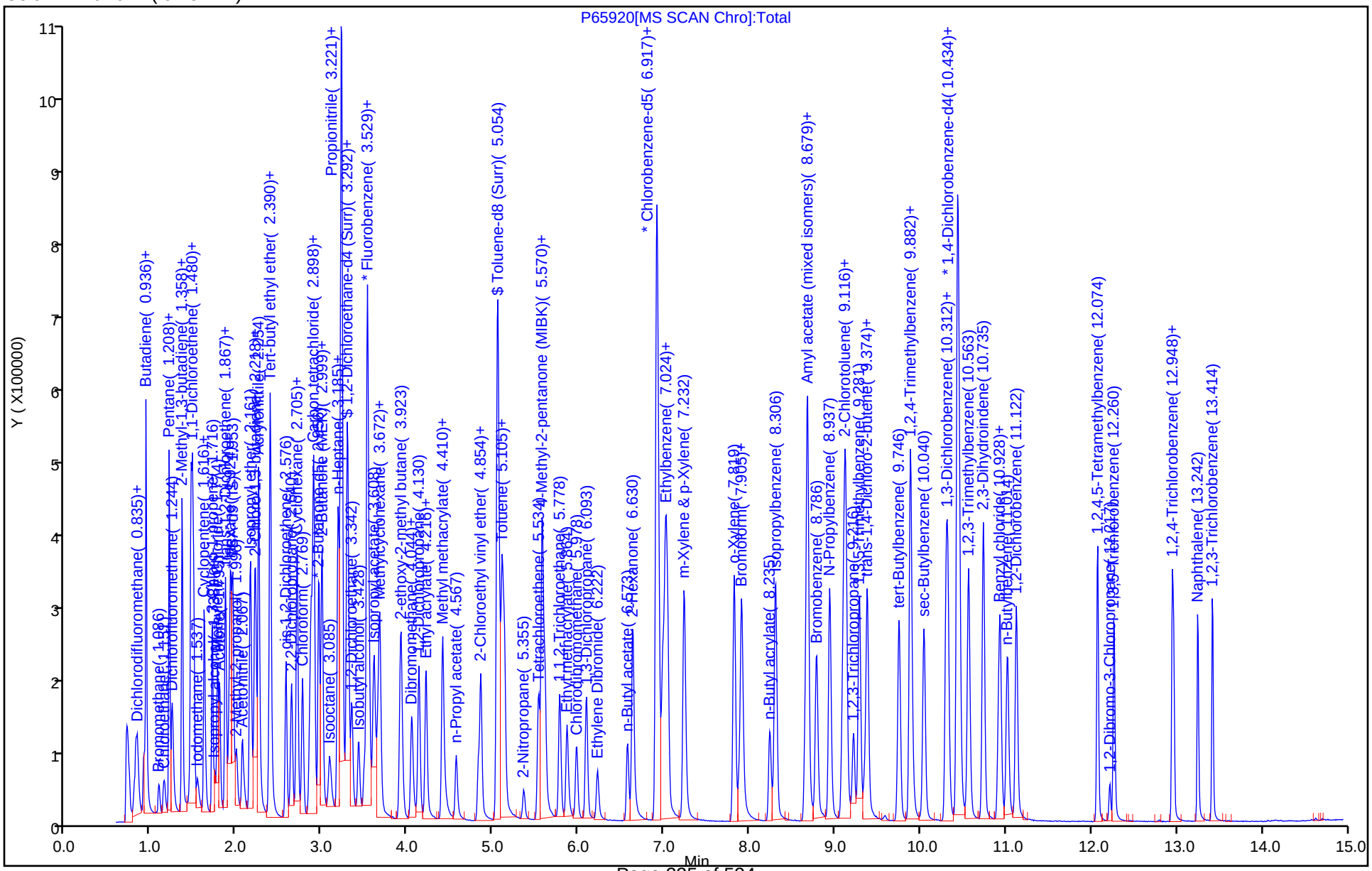
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

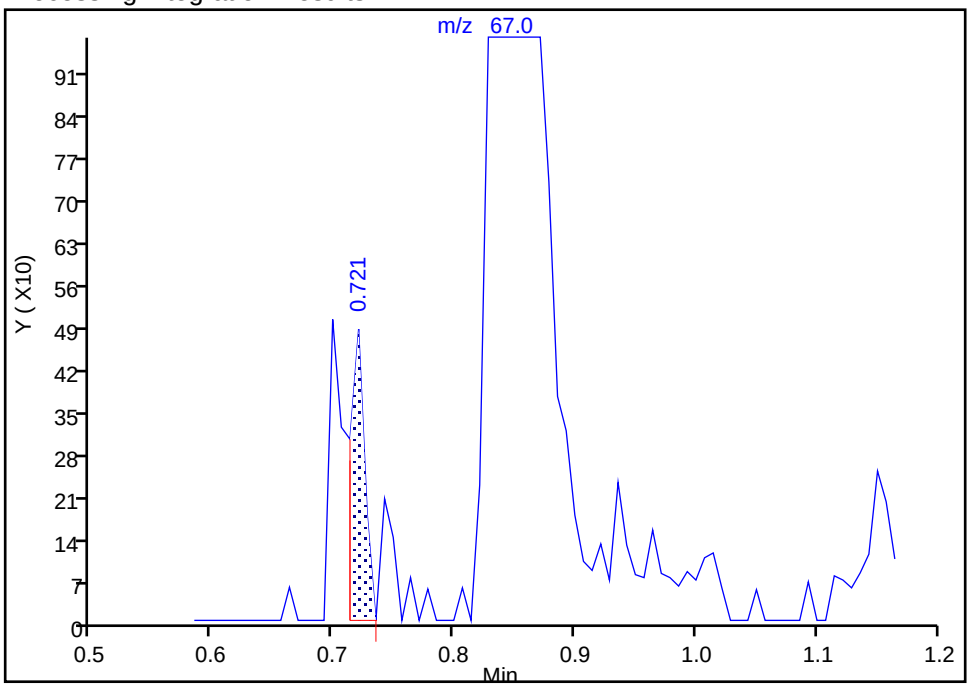
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D
Injection Date: 17-Sep-2019 08:32:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

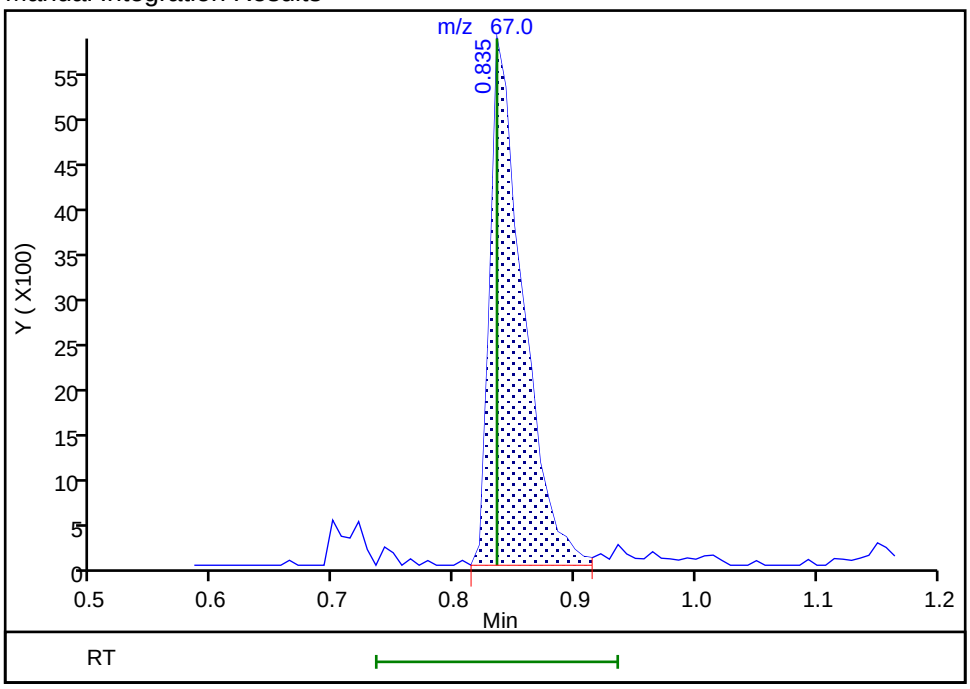
Processing Integration Results

RT: 0.72
Area: 412
Amount: 0.578353
Amount Units: ug/l



Manual Integration Results

RT: 0.84
Area: 11063
Amount: 15.529908
Amount Units: ug/l



Reviewer: xuyvo, 18-Sep-2019 10:55:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

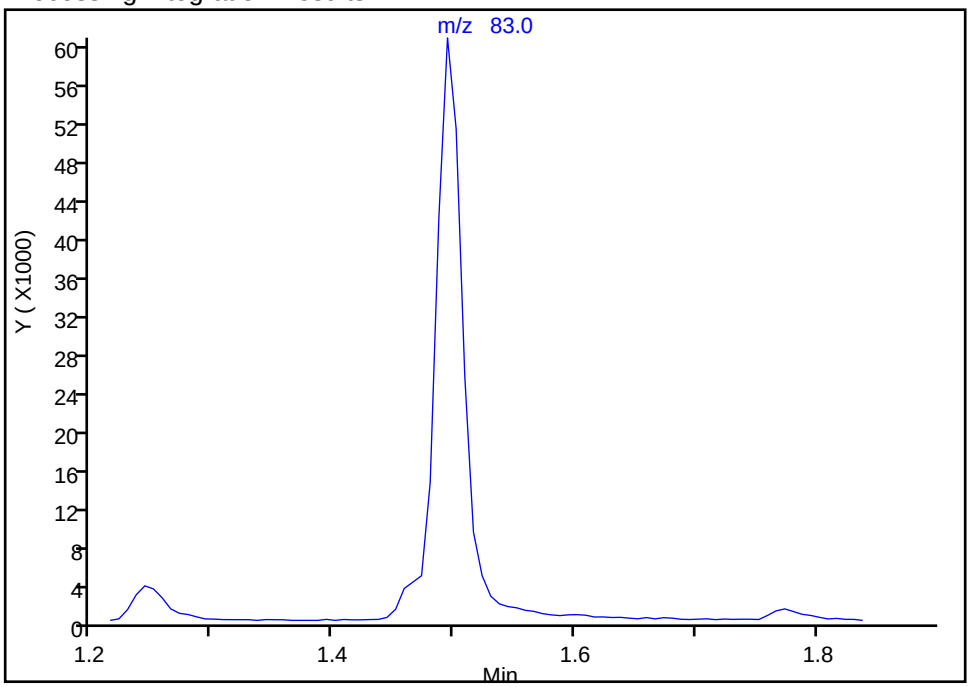
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D
Injection Date: 17-Sep-2019 08:32:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

21 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

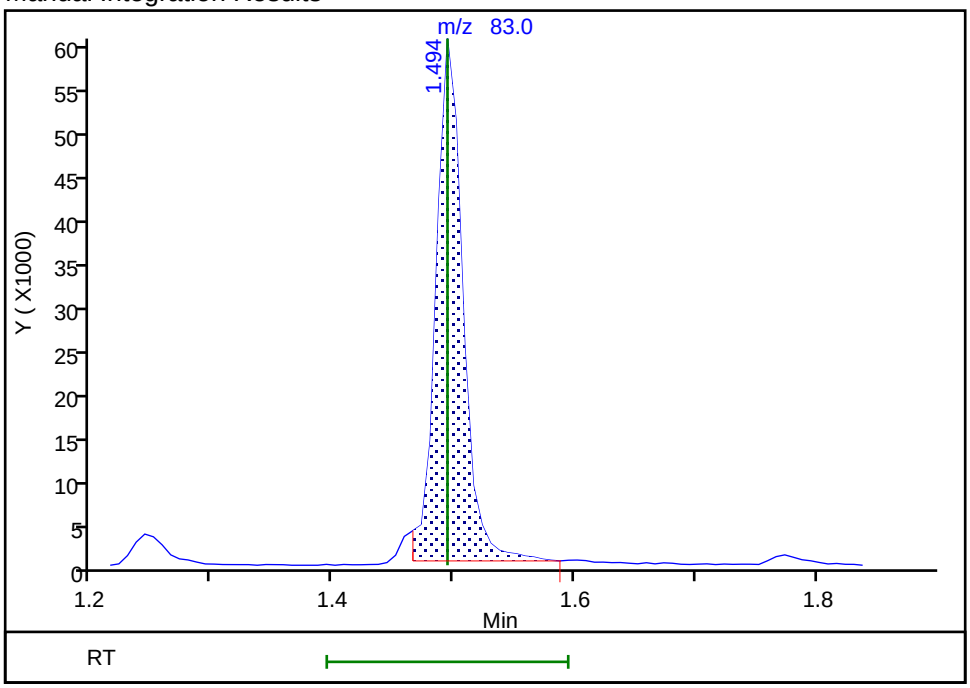
Not Detected
Expected RT: 1.49

Processing Integration Results



Manual Integration Results

RT: 1.49
Area: 93439
Amount: 22.404045
Amount Units: ug/l



Reviewer: desais, 17-Sep-2019 10:40:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

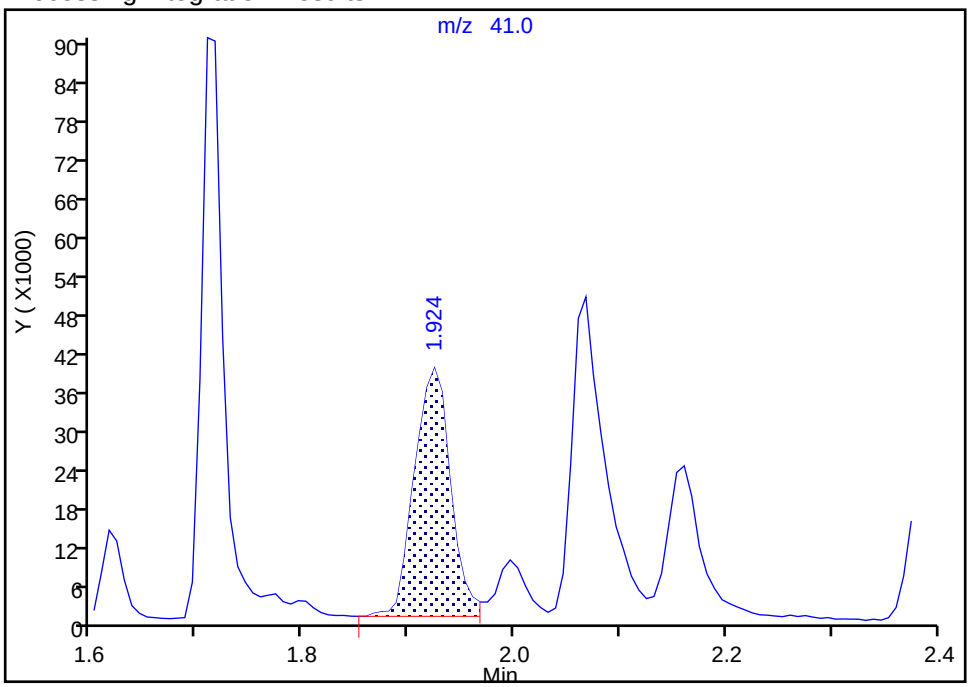
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D
Injection Date: 17-Sep-2019 08:32:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

35 Acetonitrile, CAS: 75-05-8

Signal: 1

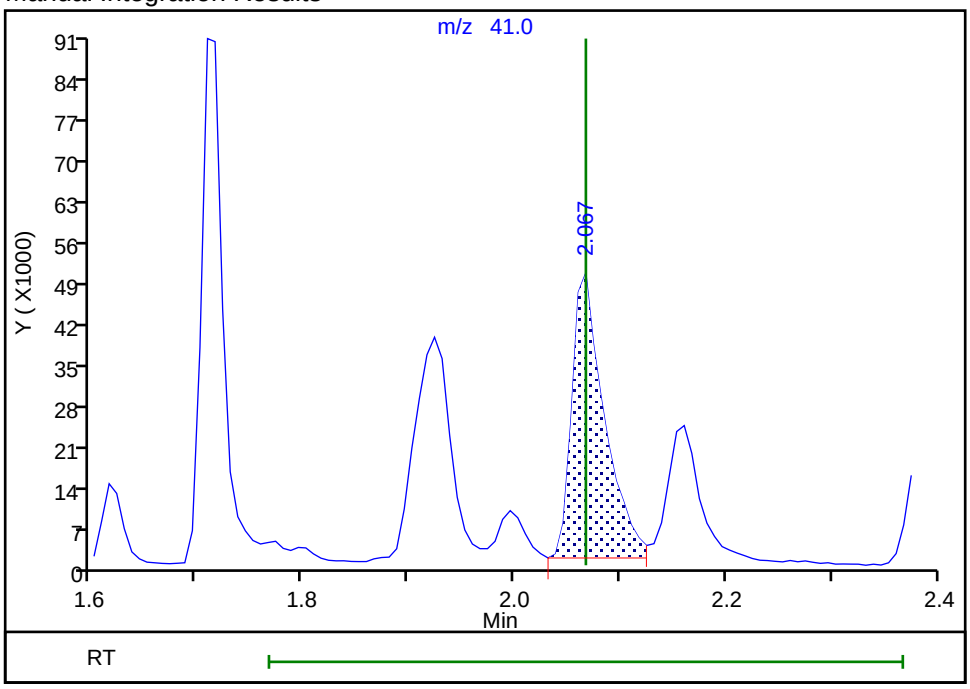
Processing Integration Results

RT: 1.92
Area: 91102
Amount: 205.7275
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 103846
Amount: 234.5061
Amount Units: ug/l



Reviewer: xuyvo, 18-Sep-2019 10:55:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65039.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	23-Aug-2019 07:52:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0096522-001				
Operator ID:		Instrument ID:	CVOAMS13		
Method:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	25-Aug-2019 10:36:10	Calib Date:	23-Aug-2019 13:15:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0330				
First Level Reviewer: desais		Date:	23-Aug-2019 07:28:46		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 BFB	95	2.081	2.081	0.000	84	34140	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

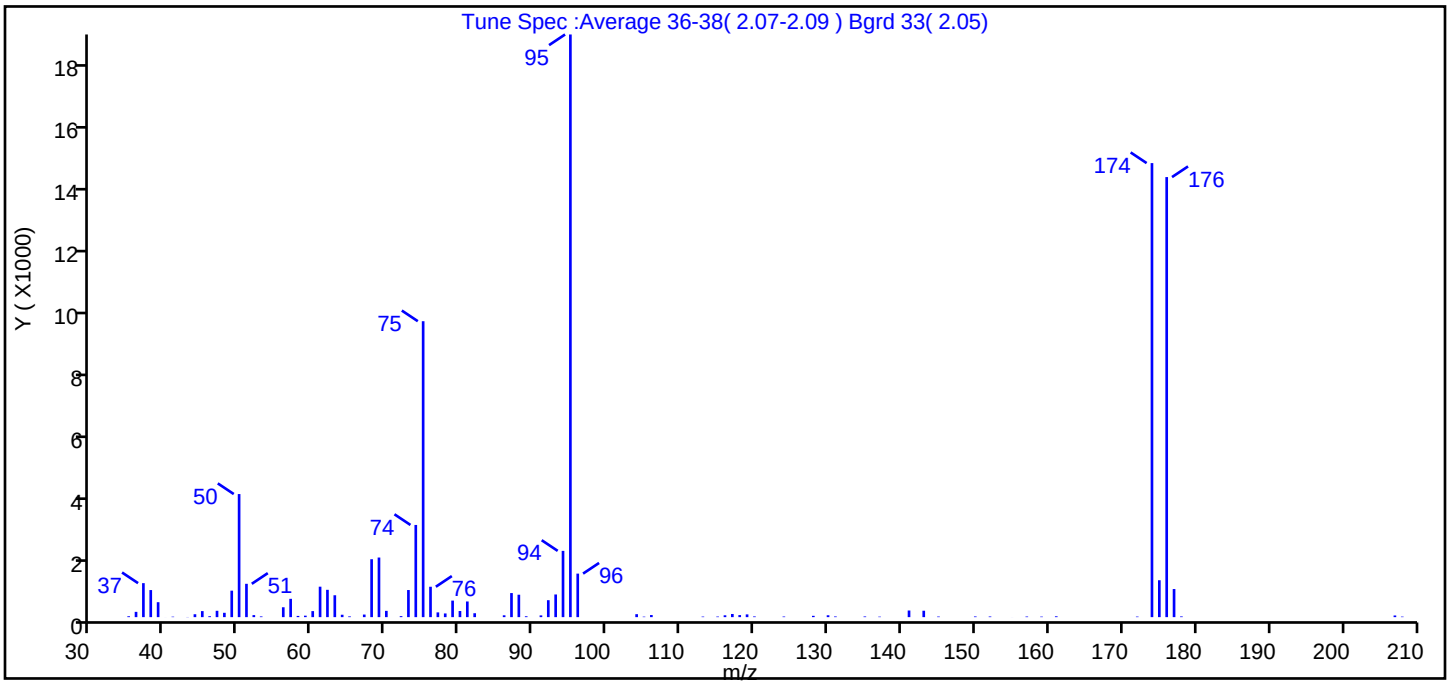
BFB_00021 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65039.D
Injection Date: 23-Aug-2019 07:52:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 143 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.1
75	30 to 60% of m/z 95	50.8
96	5 to 9% of m/z 95	7.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.9
175	5 to 9% of m/z 174	6.3 (8.1)
176	Greater than 95% but less than 101% of m/z 174	75.5 (96.9)
177	5 to 9% of m/z 176	4.8 (6.4)

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65039.D\8260W_13.rslt\spectra.d
Injection Date: 23-Aug-2019 07:52:30
Spectrum: Tune Spec :Average 36-38(2.07-2.09) Bgrd 33(2.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	28	60.00	193	87.00	770	131.00	22
36.00	169	61.00	974	88.00	717	135.00	22
37.00	1087	62.00	874	89.00	28	137.00	16
38.00	866	63.00	700	91.00	56	141.00	212
39.00	478	64.00	77	92.00	542	143.00	205
40.00	1	65.00	24	93.00	725	145.00	19
41.00	15	67.00	83	94.00	2119	150.00	22
43.00	5	68.00	1852	95.00	18632	152.00	21
44.00	93	69.00	1906	96.00	1392	155.00	1
45.00	193	70.00	201	104.00	95	157.00	20
46.00	29	72.00	32	105.00	16	159.00	17
47.00	203	73.00	867	106.00	67	161.00	27
48.00	139	74.00	2948	113.00	18	172.00	18
49.00	847	75.00	9463	115.00	19	174.00	14519
50.00	3936	76.00	972	116.00	59	175.00	1180
51.00	1066	77.00	152	117.00	101	176.00	14072
52.00	65	78.00	118	118.00	66	177.00	899
53.00	23	79.00	529	119.00	88	178.00	23
56.00	316	80.00	196	120.00	23	207.00	53
57.00	586	81.00	501	124.00	20	208.00	17
58.00	39	82.00	125	128.00	42		
59.00	47	86.00	59	130.00	60		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65918.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Sep-2019 07:11:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0097690-001				
Operator ID:		Instrument ID:	CVOAMS13		
Method:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	18-Sep-2019 01:34:34	Calib Date:	23-Aug-2019 13:15:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0324				
First Level Reviewer: sarmientod		Date:	18-Sep-2019 01:34:34		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 BFB	95	2.081	2.081	0.000	83	31805	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

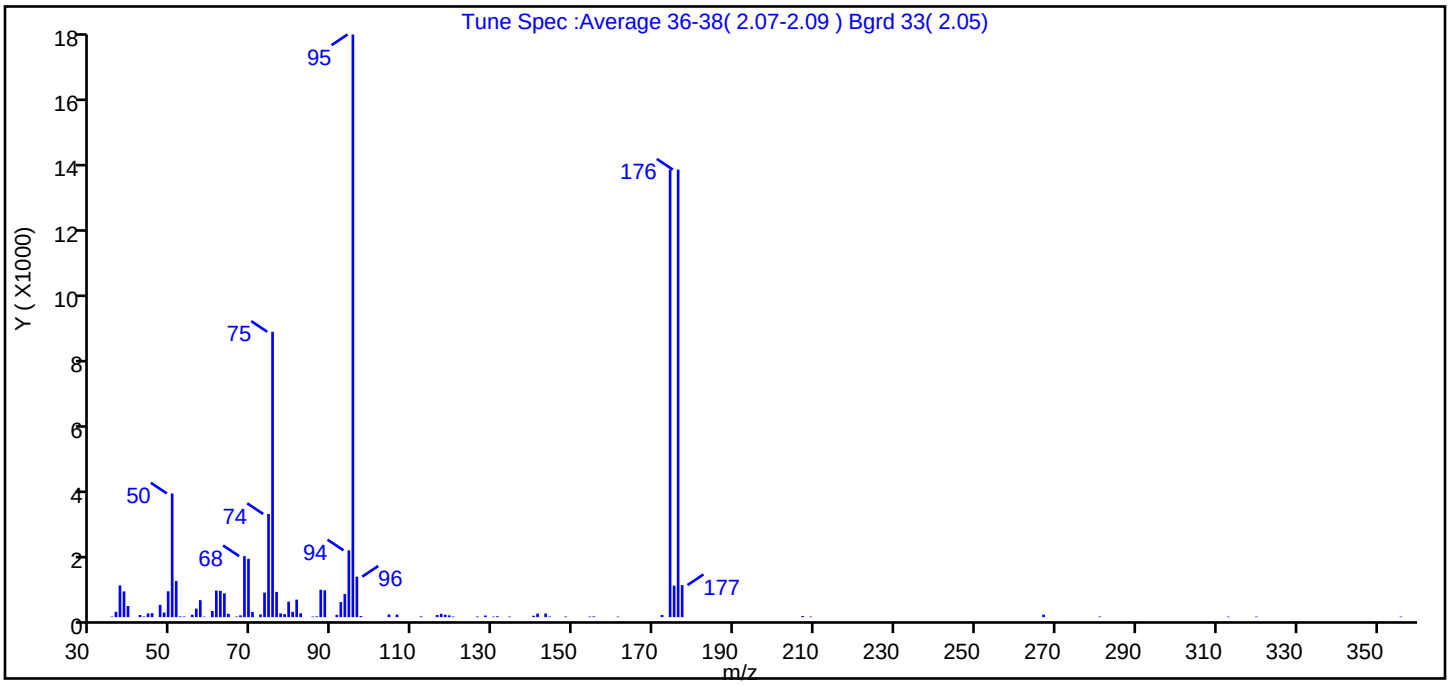
BFB_00021 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65918.D
Injection Date: 17-Sep-2019 07:11:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 143 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.2
75	30 to 60% of m/z 95	49.0
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.8
175	5 to 9% of m/z 174	5.4 (7.0)
176	Greater than 95% but less than 101% of m/z 174	76.8 (100.0)
177	5 to 9% of m/z 176	5.5 (7.2)

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65918.D\8260W_13.rslt\spectra.d
Injection Date: 17-Sep-2019 07:11:30
Spectrum: Tune Spec :Average 36-38(2.07-2.09) Bgrd 33(2.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	18	62.00	798	88.00	815	141.00	108
36.00	162	63.00	722	91.00	71	143.00	111
37.00	964	64.00	102	92.00	459	144.00	18
38.00	782	66.00	19	93.00	701	148.00	20
39.00	338	67.00	53	94.00	2028	154.00	19
42.00	64	68.00	1852	95.00	17688	155.00	22
43.00	19	69.00	1771	96.00	1229	161.00	16
44.00	114	70.00	155	97.00	34	172.00	64
45.00	121	72.00	81	104.00	82	174.00	13585
47.00	373	73.00	746	106.00	78	175.00	955
48.00	139	74.00	3131	112.00	23	176.00	13586
49.00	785	75.00	8663	116.00	67	177.00	973
50.00	3755	76.00	767	117.00	102	207.00	34
51.00	1098	77.00	113	118.00	73	209.00	18
52.00	22	78.00	93	119.00	54	267.00	76
53.00	18	79.00	470	120.00	18	281.00	19
55.00	72	80.00	162	126.00	21	313.00	16
56.00	258	81.00	531	128.00	50	320.00	17
57.00	516	82.00	116	130.00	18	356.00	17
58.00	16	85.00	17	131.00	27		
60.00	186	86.00	23	134.00	18		
61.00	806	87.00	831	140.00	42		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639801/8

Matrix: Water Lab File ID: P65925.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 10:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639801/8

Matrix: Water Lab File ID: P65925.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 10:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	90		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65925.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 17-Sep-2019 10:51:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0097690-008
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:29:28 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: desais Date: 17-Sep-2019 11:40:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	291853	1000.0	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	148099	50.0	49.2	
* 53 2-Butanone-d5	46	2.955	2.956	-0.001	0	351562	250.0	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	189516	50.0	48.5	
* 66 Fluorobenzene	96	3.528	3.529	-0.001	98	664910	50.0	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	26499	1000.0	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	619547	50.0	47.4	
* 96 Chlorobenzene-d5	117	6.909	6.910	-0.001	88	491343	50.0	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	182000	50.0	45.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	258287	50.0	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 18-Sep-2019 05:33:16 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65925.D

Injection Date: 17-Sep-2019 10:51:30 Instrument ID: CVOAMS13 Operator ID:

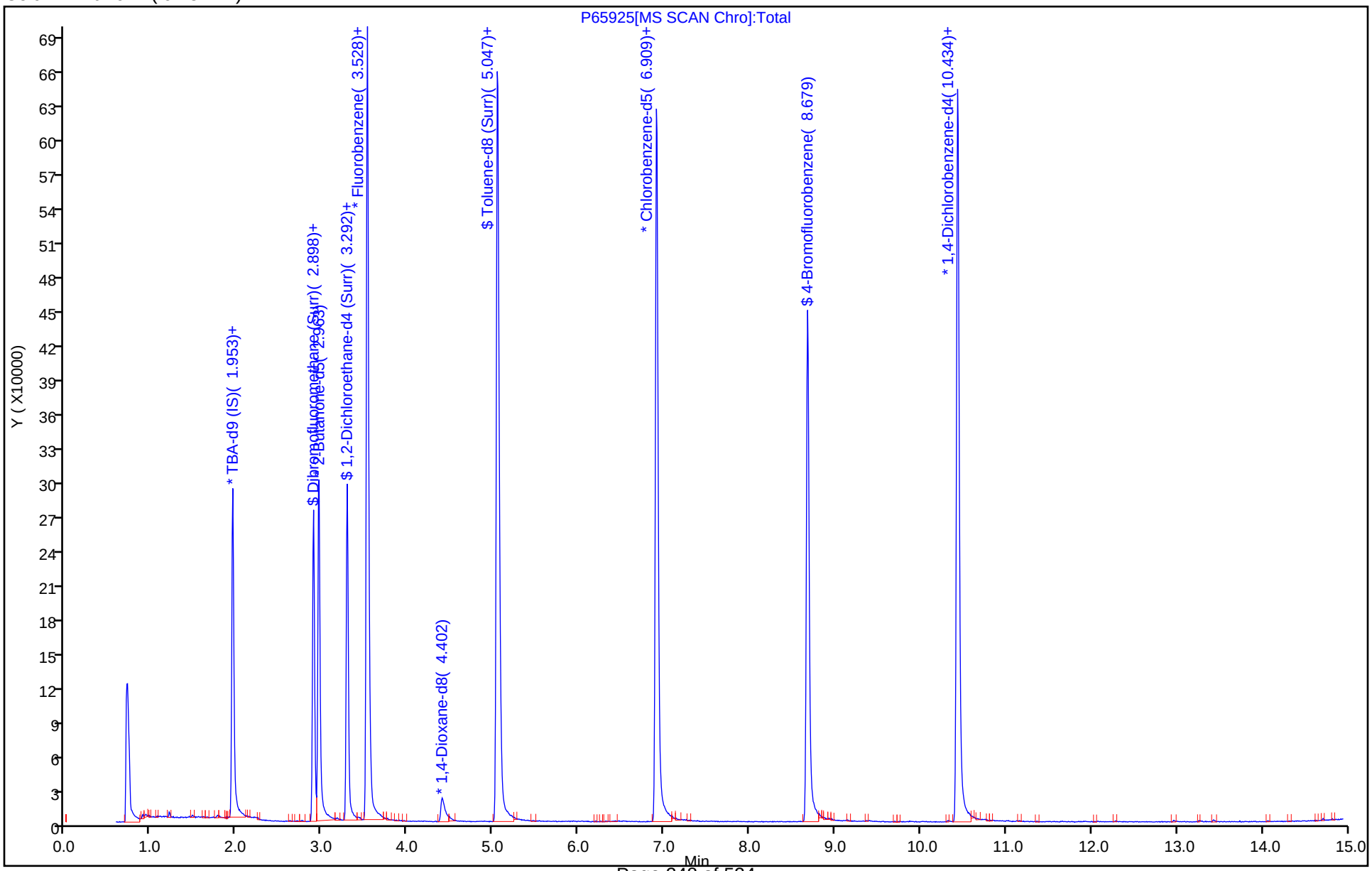
Lims ID: MB Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



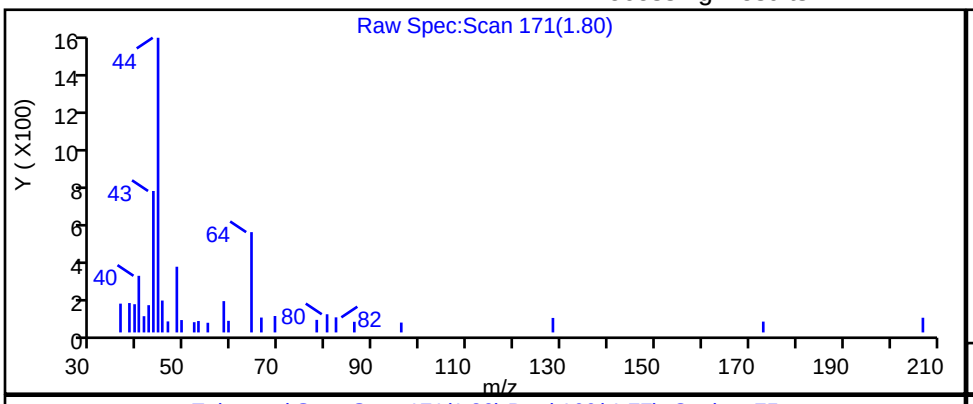
User Disabled Compound Report

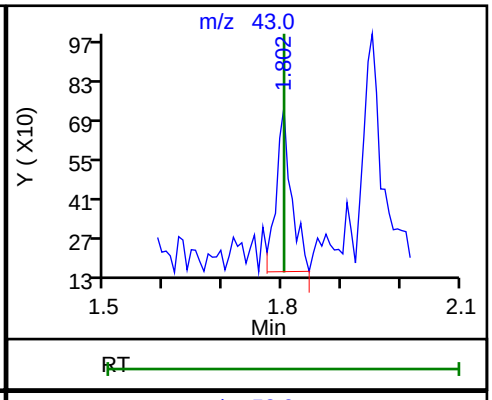
Eurofins TestAmerica, Edison

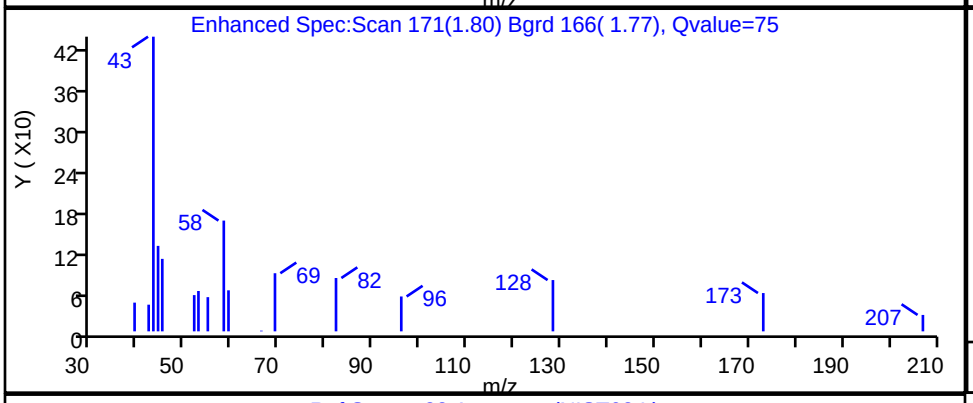
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65925.D
Injection Date: 17-Sep-2019 10:51:30 Instrument ID: CVOAMS13
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

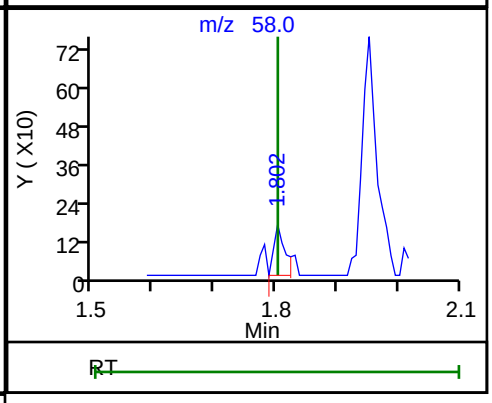
28 Acetone, CAS: 67-64-1

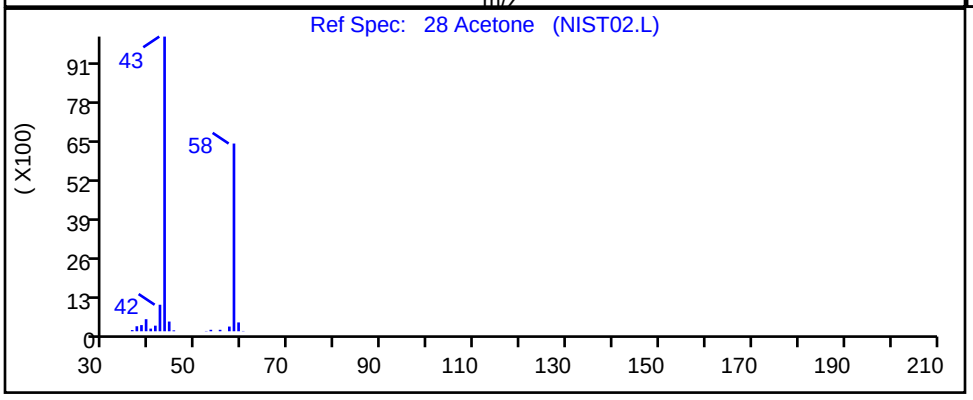
Processing Results











RT	Mass	Response	Amount
1.80	43.00	1054	1.174386
1.80	58.00	202	

Reviewer: desais, 17-Sep-2019 11:39:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

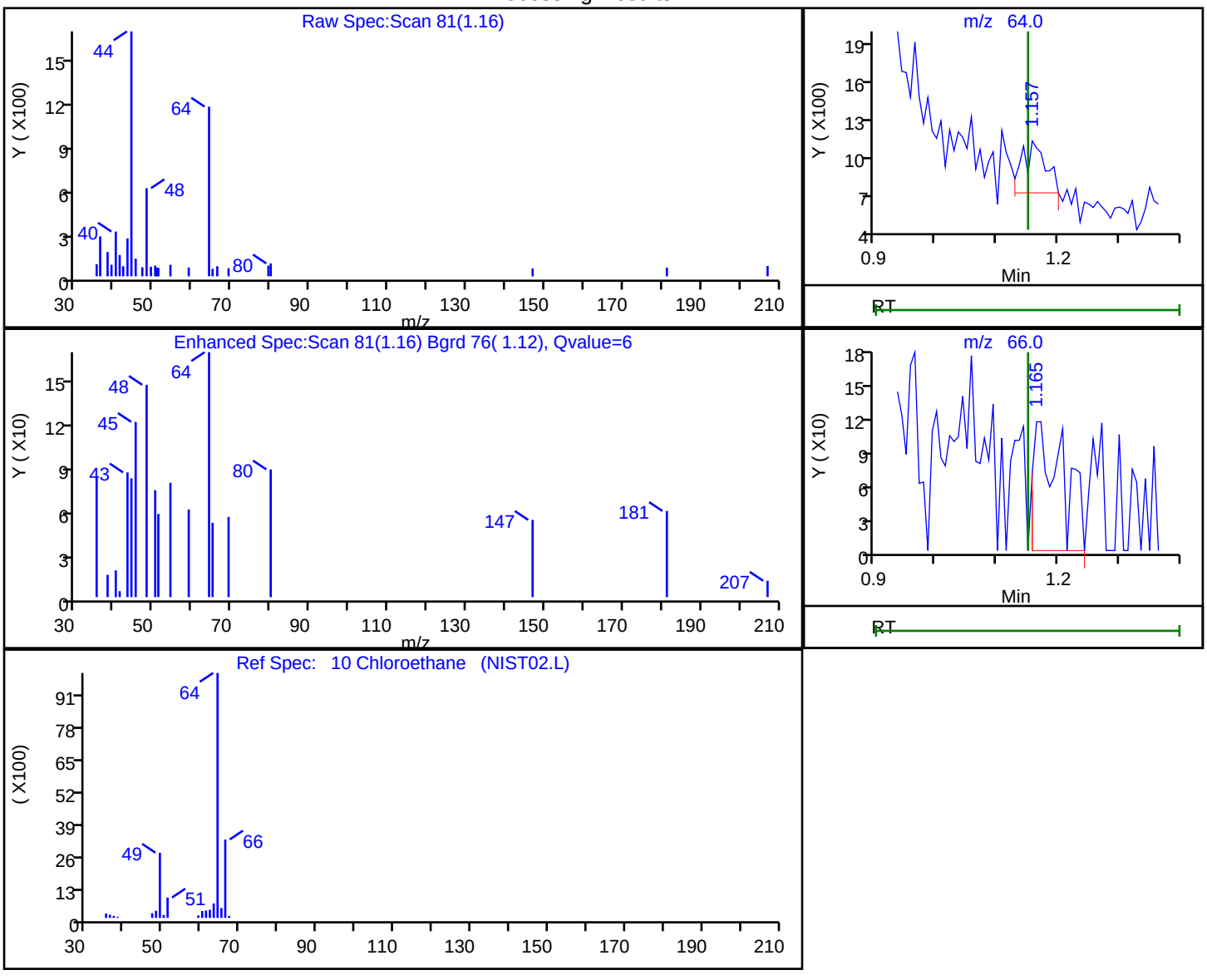
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65925.D
Injection Date: 17-Sep-2019 10:51:30 Instrument ID: CVOAMS13
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.16	64.00	969	0.447174
1.16	66.00	374	

Reviewer: desais, 17-Sep-2019 11:39:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639801/4

Matrix: Water Lab File ID: P65921.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 09:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.1		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.6		1.0	0.43
75-34-3	1,1-Dichloroethane	23.7		1.0	0.26
75-35-4	1,1-Dichloroethene	21.5		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	22.6		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	23.1		1.0	0.38
95-50-1	1,2-Dichlorobenzene	21.6		1.0	0.43
107-06-2	1,2-Dichloroethane	19.9		1.0	0.43
78-87-5	1,2-Dichloropropane	21.0		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.8		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.4		1.0	0.33
78-93-3	2-Butanone (MEK)	96.8		5.0	1.9
591-78-6	2-Hexanone	107		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	102		5.0	1.3
67-64-1	Acetone	119		5.0	4.4
71-43-2	Benzene	20.8		1.0	0.20
75-25-2	Bromoform	20.6		1.0	0.54
74-83-9	Bromomethane	16.6		1.0	0.55
75-15-0	Carbon disulfide	21.1		1.0	0.82
56-23-5	Carbon tetrachloride	19.1		1.0	0.21
108-90-7	Chlorobenzene	20.7		1.0	0.38
124-48-1	Chlorodibromomethane	19.6		1.0	0.28
75-00-3	Chloroethane	25.6		1.0	0.32
67-66-3	Chloroform	21.9		1.0	0.33
74-87-3	Chloromethane	22.7		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.8		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.7		1.0	0.22
110-82-7	Cyclohexane	18.1		1.0	0.32
75-27-4	Dichlorobromomethane	20.4		1.0	0.34
75-71-8	Dichlorodifluoromethane	11.6		1.0	0.31
100-41-4	Ethylbenzene	21.3		1.0	0.30
106-93-4	Ethylene Dibromide	20.5		1.0	0.50
98-82-8	Isopropylbenzene	21.8		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639801/4

Matrix: Water Lab File ID: P65921.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 09:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	37.5		5.0	0.79
1634-04-4	Methyl tert-butyl ether	24.2		1.0	0.47
108-87-2	Methylcyclohexane	17.4		1.0	0.26
75-09-2	Methylene Chloride	22.1		1.0	0.32
100-42-5	Styrene	20.8		1.0	0.42
127-18-4	Tetrachloroethene	20.8		1.0	0.25
108-88-3	Toluene	20.5		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	23.3		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.3		1.0	0.49
79-01-6	Trichloroethene	20.8		1.0	0.31
75-69-4	Trichlorofluoromethane	20.2		1.0	0.32
75-01-4	Vinyl chloride	25.3		1.0	0.17
1330-20-7	Xylenes, Total	41.0		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	97		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65921.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 17-Sep-2019 09:12:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0097690-004
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 10:57:24 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: desais Date: 17-Sep-2019 10:45:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.778	0.778	0.000	28	578	20.0	7.80	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	86	9833	20.0	15.7	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	98	43485	20.0	11.6	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	96	31587	20.0	18.3	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	96	11939	20.0	16.7	a
6 Chloromethane	50	0.914	0.914	0.000	98	84842	20.0	22.7	
8 Butadiene	54	0.935	0.935	0.000	97	87575	20.0	21.4	
7 Vinyl chloride	62	0.943	0.943	0.000	98	107038	20.0	25.3	
9 Bromomethane	94	1.093	1.093	0.000	98	22658	20.0	16.6	
10 Chloroethane	64	1.143	1.143	0.000	99	54723	20.0	25.6	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	97	85442	20.0	20.2	
11 Pentane	72	1.208	1.208	0.000	95	12788	40.0	21.3	
13 Dichlorofluoromethane	67	1.243	1.243	0.000	98	144857	20.0	24.6	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	84190	20.0	20.7	
15 Ethyl ether	59	1.365	1.365	0.000	93	64956	20.0	24.4	
16 Ethanol	46	1.444	1.444	0.000	99	16921	800.0	777.3	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	78	106306	20.0	23.8	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	52001	20.0	21.5	
19 Carbon disulfide	76	1.480	1.480	0.000	100	193854	20.0	21.1	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	97	44954	20.0	18.7	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	95	100627	20.0	24.0	
22 Iodomethane	142	1.537	1.537	0.000	99	37856	20.0	11.0	
23 Cyclopentene	67	1.616	1.616	0.000	97	151729	20.0	20.3	
24 Acrolein	56	1.637	1.637	0.000	96	15556	40.0	50.4	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	91	40780	20.0	23.7	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	48428	200.0	201.8	
27 Methylene Chloride	84	1.774	1.774	0.000	98	74850	20.0	22.1	
28 Acetone	43	1.802	1.802	0.000	85	111478	100.0	119.0	
29 trans-1,2-Dichloroethene	96	1.860	1.860	0.000	98	66062	20.0	23.3	
30 Methyl acetate	43	1.874	1.874	0.000	99	112234	40.0	37.5	
31 Hexane	86	1.910	1.910	0.000	85	8491	20.0	16.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	210230	20.0	24.2	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	299014	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	65730	200.0	197.1	
35 Acetonitrile	41	2.067	2.067	0.000	99	103152	200.0	216.6	a
36 Isopropyl ether	45	2.160	2.160	0.000	97	309402	20.0	25.1	
37 2-Chloro-1,3-butadiene	88	2.210	2.210	0.000	94	59439	20.0	22.9	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	143445	20.0	23.7	
39 Acrylonitrile	53	2.253	2.253	0.000	94	299356	200.0	247.9	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	246983	20.0	22.3	
41 Vinyl acetate	43	2.390	2.390	0.000	100	366983	40.0	56.0	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	75200	20.0	21.8	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	99662	20.0	21.9	
44 Cyclohexane	56	2.705	2.705	0.000	94	88207	20.0	18.1	
45 Chlorobromomethane	128	2.705	2.705	0.000	98	34054	20.0	20.6	
46 Chloroform	83	2.769	2.769	0.000	98	127740	20.0	21.9	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	74085	20.0	19.1	
48 Ethyl acetate	70	2.869	2.869	0.000	98	15721	40.0	40.2	
49 Methyl acrylate	55	2.869	2.869	0.000	52	59523	20.0	21.4	
50 Tetrahydrofuran	42	2.884	2.884	0.000	93	55330	40.0	41.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	150350	50.0	49.1	
52 1,1,1-Trichloroethane	97	2.905	2.905	0.000	98	95408	20.0	20.1	
* 53 2-Butanone-d5	46	2.955	2.955	0.000	0	367034	250.0	250.0	
54 2-Butanone (MEK)	72	2.998	2.998	0.000	100	40797	100.0	96.8	
55 1,1-Dichloropropene	75	2.998	2.998	0.000	90	96432	20.0	20.0	
56 Isooctane	57	3.084	3.084	0.000	98	93502	20.0	16.7	
57 n-Heptane	57	3.178	3.178	0.000	94	24569	20.0	16.8	
58 Benzene	78	3.185	3.185	0.000	97	294130	20.0	20.8	
59 Propionitrile	54	3.206	3.206	0.000	97	99827	200.0	184.5	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	286258	200.0	232.8	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	194964	50.0	49.0	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	194463	20.0	21.0	
63 1,2-Dichloroethane	62	3.342	3.342	0.000	97	95749	20.0	19.9	
64 Isobutyl alcohol	43	3.428	3.428	0.000	97	56846	500.0	409.3	
65 t-Amyl alcohol	59	3.493	3.493	0.000	91	36576	200.0	170.4	
* 66 Fluorobenzene	96	3.528	3.528	0.000	98	676942	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	136103	20.0	21.2	
68 Methylcyclohexane	83	3.657	3.657	0.000	94	62066	20.0	17.4	
69 Trichloroethene	130	3.672	3.672	0.000	98	67982	20.0	20.8	
70 2-ethoxy-2-methyl butane	59	3.915	3.915	0.000	91	167984	20.0	19.8	
71 Dibromomethane	93	4.044	4.044	0.000	96	39926	20.0	20.6	
72 n-Butanol	56	4.059	4.059	0.000	93	33953	500.0	448.5	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	90	76081	20.0	21.0	
74 Ethyl acrylate	55	4.209	4.209	0.000	80	80086	20.0	21.3	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	87029	20.0	20.4	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	28889	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	93	33018	40.0	42.6	
78 1,4-Dioxane	88	4.431	4.431	0.000	97	14920	400.0	427.7	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	94402	20.0	21.6	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	37883	20.0	19.4	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	111793	20.0	21.7	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	629871	50.0	47.2	
83 Toluene	91	5.104	5.104	0.000	93	309937	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Epichlorohydrin	57	5.133	5.133	0.000	99	121139	400.0	418.3	
85 2-Nitropropane	41	5.355	5.355	0.000	99	27247	40.0	39.0	
86 Tetrachloroethene	166	5.534	5.534	0.000	98	67903	20.0	20.8	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	333959	100.0	102.2	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	93	100232	20.0	21.3	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	95	51438	20.0	20.6	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	79470	20.0	20.0	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	57927	20.0	19.6	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	107815	20.0	21.0	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	57176	20.0	20.5	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	89679	20.0	21.4	
95 2-Hexanone	43	6.630	6.630	0.000	98	239598	100.0	107.4	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	89	501712	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	92	190916	20.0	20.7	
98 Ethylbenzene	106	7.017	7.017	0.000	99	101674	20.0	21.3	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	59841	20.0	20.6	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	121816	20.0	20.4	
101 o-Xylene	106	7.819	7.819	0.000	93	115506	20.0	20.5	
102 Bromoform	173	7.884	7.884	0.000	96	35250	20.0	20.6	
103 Styrene	104	7.905	7.905	0.000	94	198302	20.0	20.8	
104 n-Butyl acrylate	73	8.235	8.235	0.000	95	40601	20.0	20.2	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	291547	20.0	21.8	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	107518	20.0	21.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	198865	50.0	48.4	
108 Bromobenzene	156	8.786	8.786	0.000	98	80630	20.0	21.1	
109 N-Propylbenzene	91	8.937	8.937	0.000	99	336471	20.0	21.3	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	75399	20.0	21.1	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	257938	20.0	21.5	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	287697	20.0	21.9	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	21062	20.0	20.0	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	93	236898	20.0	21.2	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	83	18449	20.0	21.5	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	245003	20.0	21.6	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	174437	20.0	21.1	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	247721	20.0	22.1	
119 Butyl Methacrylate	87	9.889	9.889	0.000	98	76507	20.0	15.7	
120 sec-Butylbenzene	105	10.040	10.040	0.000	98	251107	20.0	21.7	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	146141	20.0	21.8	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	209509	20.0	21.8	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	272682	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	154706	20.0	21.4	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	261404	20.0	21.6	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	264705	20.0	21.9	
127 Benzyl chloride	126	10.914	10.914	0.000	96	18803	20.0	17.4	
128 p-Diethylbenzene	119	10.928	10.928	0.000	91	109480	20.0	21.9	
129 n-Butylbenzene	91	11.014	11.014	0.000	98	191606	20.0	22.6	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	95	145197	20.0	21.6	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	192026	20.0	22.3	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	93	12368	20.0	23.1	
133 1,3,5-Trichlorobenzene	180	12.267	12.267	0.000	97	87736	20.0	22.1	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	81591	20.0	22.6	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	32007	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 Naphthalene	128	13.249	13.249	0.000	99	180840	20.0	22.1	
137 1,2,3-Trichlorobenzene	180	13.413	13.413	0.000	95	75468	20.0	22.3	
S 138 1,2-Dichloroethene, Total	100				0		40.0	45.1	
S 139 1,3-Dichloropropene, Total	100				0		40.0	43.1	
S 140 Xylenes, Total	100				0		40.0	41.0	
S 142 Total BTEX	1				0		100.0	103.6	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00332	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Sep-2019 10:57:27 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65921.D

Injection Date: 17-Sep-2019 09:12:30 Instrument ID: CVOAMS13 Operator ID:

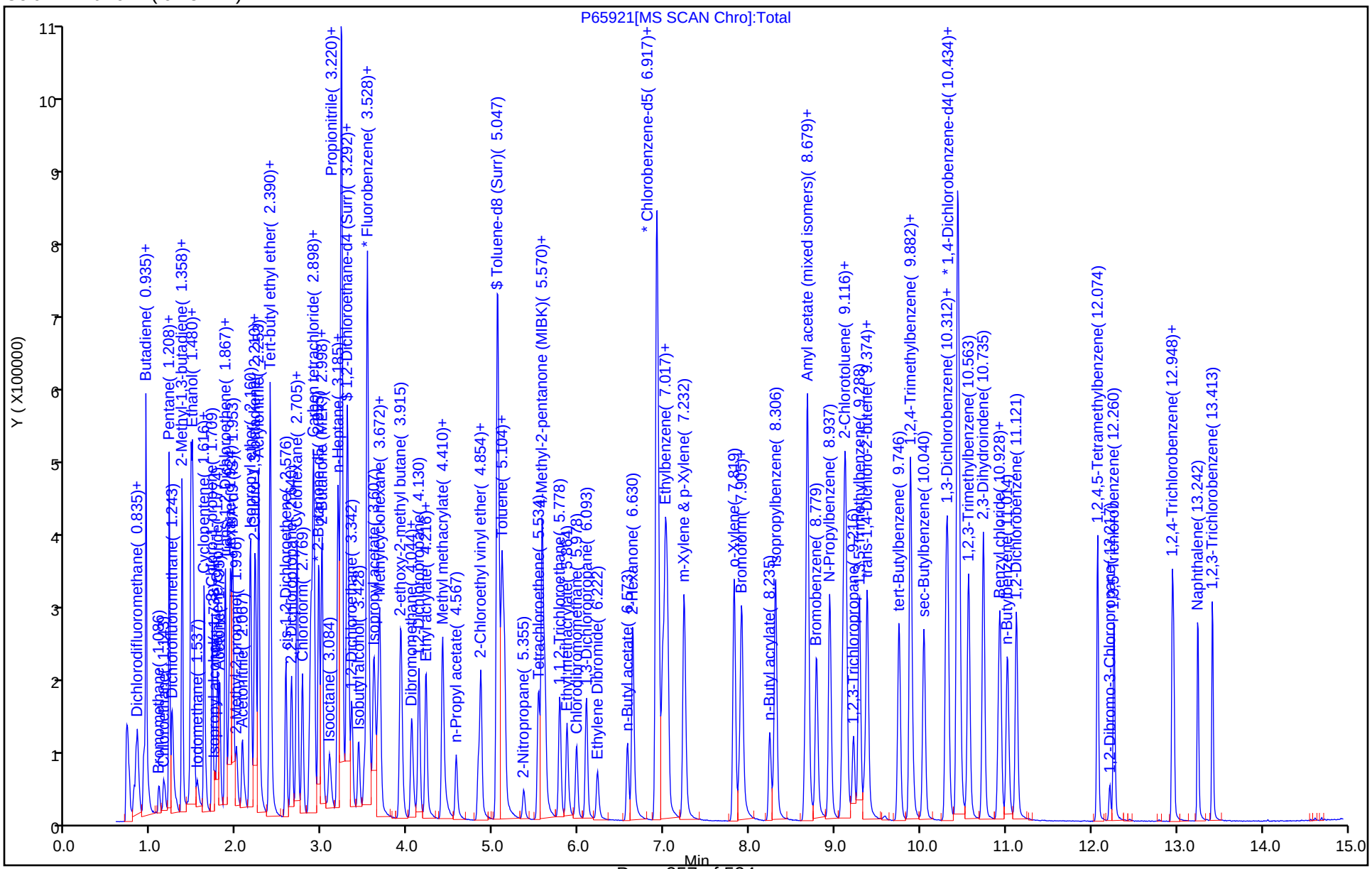
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639801/5

Matrix: Water Lab File ID: P65922.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 09:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.3		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.9		1.0	0.43
75-34-3	1,1-Dichloroethane	24.1		1.0	0.26
75-35-4	1,1-Dichloroethene	20.3		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	23.0		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	24.3		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.2		1.0	0.43
107-06-2	1,2-Dichloroethane	20.2		1.0	0.43
78-87-5	1,2-Dichloropropane	21.5		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.4		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.9		1.0	0.33
78-93-3	2-Butanone (MEK)	95.4		5.0	1.9
591-78-6	2-Hexanone	110		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	106		5.0	1.3
67-64-1	Acetone	118		5.0	4.4
71-43-2	Benzene	21.3		1.0	0.20
75-25-2	Bromoform	21.3		1.0	0.54
74-83-9	Bromomethane	18.5		1.0	0.55
75-15-0	Carbon disulfide	20.7		1.0	0.82
56-23-5	Carbon tetrachloride	19.1		1.0	0.21
108-90-7	Chlorobenzene	20.8		1.0	0.38
124-48-1	Chlorodibromomethane	19.6		1.0	0.28
75-00-3	Chloroethane	23.5		1.0	0.32
67-66-3	Chloroform	21.5		1.0	0.33
74-87-3	Chloromethane	21.0		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.6		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	22.0		1.0	0.22
110-82-7	Cyclohexane	17.7		1.0	0.32
75-27-4	Dichlorobromomethane	20.4		1.0	0.34
75-71-8	Dichlorodifluoromethane	11.1		1.0	0.31
100-41-4	Ethylbenzene	21.3		1.0	0.30
106-93-4	Ethylene Dibromide	20.6		1.0	0.50
98-82-8	Isopropylbenzene	21.9		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639801/5

Matrix: Water Lab File ID: P65922.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 09:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	37.4		5.0	0.79
1634-04-4	Methyl tert-butyl ether	24.0		1.0	0.47
108-87-2	Methylcyclohexane	16.6		1.0	0.26
75-09-2	Methylene Chloride	22.1		1.0	0.32
100-42-5	Styrene	20.6		1.0	0.42
127-18-4	Tetrachloroethene	20.6		1.0	0.25
108-88-3	Toluene	21.0		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	23.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.7		1.0	0.49
79-01-6	Trichloroethene	20.9		1.0	0.31
75-69-4	Trichlorofluoromethane	19.1		1.0	0.32
75-01-4	Vinyl chloride	24.1		1.0	0.17
1330-20-7	Xylenes, Total	41.8		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	97		77-124
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65922.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 17-Sep-2019 09:37:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0097690-005
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 10:58:36 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: desais Date: 17-Sep-2019 10:47:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.757	0.757	0.000	27	532	20.0	7.18	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	87	9777	20.0	15.6	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	41544	20.0	11.1	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	96	31788	20.0	18.5	
5 Chlorodifluoromethane	67	0.843	0.835	0.008	96	11319	20.0	15.8	a
6 Chloromethane	50	0.921	0.914	0.007	82	78533	20.0	21.0	
8 Butadiene	54	0.936	0.936	0.000	97	90236	20.0	22.1	
7 Vinyl chloride	62	0.943	0.943	0.000	98	101707	20.0	24.1	
9 Bromomethane	94	1.086	1.086	0.000	99	25468	20.0	18.5	
10 Chloroethane	64	1.143	1.151	-0.008	100	50395	20.0	23.5	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	97	81098	20.0	19.1	
11 Pentane	72	1.208	1.208	0.000	96	11593	40.0	18.8	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	138905	20.0	23.6	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	81634	20.0	20.1	
15 Ethyl ether	59	1.365	1.365	0.000	92	63907	20.0	24.0	
16 Ethanol	46	1.444	1.444	0.000	100	18683	800.0	841.2	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	84	103431	20.0	23.2	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	49096	20.0	20.3	
19 Carbon disulfide	76	1.480	1.480	0.000	100	190199	20.0	20.7	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	93	42485	20.0	17.7	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	95	100124	20.0	23.9	
22 Iodomethane	142	1.537	1.537	0.000	99	35387	20.0	10.3	
23 Cyclopentene	67	1.616	1.616	0.000	97	149571	20.0	20.1	
24 Acrolein	56	1.638	1.638	0.000	94	15693	40.0	49.8	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	90	40755	20.0	23.7	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	49568	200.0	202.4	
27 Methylene Chloride	84	1.774	1.774	0.000	98	74889	20.0	22.1	
28 Acetone	43	1.802	1.802	0.000	85	111983	100.0	118.1	
29 trans-1,2-Dichloroethene	96	1.860	1.867	-0.007	98	65008	20.0	23.0	
30 Methyl acetate	43	1.874	1.874	0.000	99	114085	40.0	37.4	
31 Hexane	86	1.910	1.910	0.000	85	8427	20.0	16.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	208435	20.0	24.0	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	305073	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	67748	200.0	199.1	
35 Acetonitrile	41	2.067	2.067	0.000	98	105817	200.0	217.8	a
36 Isopropyl ether	45	2.161	2.161	0.000	97	309748	20.0	25.2	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	94	59431	20.0	22.9	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	146048	20.0	24.1	
39 Acrylonitrile	53	2.254	2.254	0.000	94	307219	200.0	254.5	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	89	248309	20.0	22.4	
41 Vinyl acetate	43	2.390	2.390	0.000	100	369967	40.0	56.5	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	74478	20.0	21.6	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	97	101995	20.0	22.5	
44 Cyclohexane	56	2.705	2.705	0.000	95	86373	20.0	17.7	
45 Chlorobromomethane	128	2.705	2.705	0.000	99	34634	20.0	20.9	
46 Chloroform	83	2.769	2.769	0.000	98	125541	20.0	21.5	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	73848	20.0	19.1	
48 Ethyl acetate	70	2.870	2.870	0.000	97	16342	40.0	41.3	
49 Methyl acrylate	55	2.870	2.870	0.000	53	60547	20.0	21.8	
50 Tetrahydrofuran	42	2.884	2.877	0.007	94	57269	40.0	42.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	148989	50.0	48.7	
52 1,1,1-Trichloroethane	97	2.905	2.906	-0.001	99	96396	20.0	20.3	
* 53 2-Butanone-d5	46	2.956	2.956	0.000	0	371402	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.991	0.008	98	40689	100.0	95.4	
55 1,1-Dichloropropene	75	2.999	2.999	0.000	78	97242	20.0	20.2	
56 Isooctane	57	3.085	3.085	0.000	98	92167	20.0	16.5	
57 n-Heptane	57	3.178	3.178	0.000	93	23291	20.0	15.9	
58 Benzene	78	3.185	3.185	0.000	97	298928	20.0	21.3	
59 Propionitrile	54	3.206	3.206	0.000	98	101817	200.0	184.4	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	291710	200.0	237.3	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	192911	50.0	48.5	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	197333	20.0	21.4	
63 1,2-Dichloroethane	62	3.342	3.342	0.000	97	97349	20.0	20.2	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	61120	500.0	431.3	
65 t-Amyl alcohol	59	3.493	3.493	0.000	93	38328	200.0	175.0	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	676660	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	138590	20.0	21.6	
68 Methylcyclohexane	83	3.650	3.658	-0.008	93	59061	20.0	16.6	
69 Trichloroethene	130	3.672	3.672	0.000	98	68437	20.0	20.9	
70 2-ethoxy-2-methyl butane	59	3.915	3.923	-0.008	91	169901	20.0	20.0	
71 Dibromomethane	93	4.037	4.044	-0.007	96	40932	20.0	21.1	
72 n-Butanol	56	4.059	4.059	0.000	92	33706	500.0	436.8	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	90	78131	20.0	21.5	
74 Ethyl acrylate	55	4.216	4.209	0.007	83	84401	20.0	22.4	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	87250	20.0	20.4	
* 76 1,4-Dioxane-d8	96	4.395	4.403	-0.008	0	29854	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	93	34500	40.0	44.5	
78 1,4-Dioxane	88	4.431	4.431	0.000	97	15695	400.0	435.4	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	95191	20.0	21.8	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	97	40383	20.0	20.6	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	112532	20.0	22.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	631995	50.0	47.6	
83 Toluene	91	5.105	5.105	0.000	93	315614	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Epichlorohydrin	57	5.133	5.133	0.000	99	125383	400.0	427.9	
85 2-Nitropropane	41	5.362	5.355	0.007	100	26924	40.0	38.5	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	66981	20.0	20.6	
87 4-Methyl-2-pentanone (MIBK	43	5.570	5.570	0.000	98	349325	100.0	105.7	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	94	101694	20.0	21.7	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	95	51920	20.0	20.9	
90 Ethyl methacrylate	69	5.864	5.864	0.000	90	83917	20.0	21.1	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	57568	20.0	19.6	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	109619	20.0	21.5	
93 Ethylene Dibromide	107	6.215	6.222	-0.007	98	56978	20.0	20.6	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	93706	20.0	22.4	
95 2-Hexanone	43	6.630	6.630	0.000	98	249504	100.0	110.5	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	89	499156	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	190756	20.0	20.8	
98 Ethylbenzene	106	7.017	7.017	0.000	99	101163	20.0	21.3	
99 1,1,1,2-Tetrachloroethane	131	7.039	7.046	-0.007	93	59343	20.0	20.5	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	123048	20.0	20.8	
101 o-Xylene	106	7.819	7.819	0.000	93	117592	20.0	21.0	
102 Bromoform	173	7.884	7.884	0.000	95	36248	20.0	21.3	
103 Styrene	104	7.905	7.905	0.000	94	195058	20.0	20.6	
104 n-Butyl acrylate	73	8.235	8.242	-0.007	95	43160	20.0	21.6	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	291378	20.0	21.9	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	89	114799	20.0	22.5	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	197791	50.0	48.3	
108 Bromobenzene	156	8.786	8.779	0.007	97	82934	20.0	21.8	
109 N-Propylbenzene	91	8.937	8.937	0.000	99	343705	20.0	21.9	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	76478	20.0	21.6	
111 2-Chlorotoluene	91	9.109	9.109	0.000	96	263230	20.0	22.1	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	293303	20.0	22.5	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	21762	20.0	20.8	
114 1,3,5-Trimethylbenzene	105	9.281	9.288	-0.007	93	240819	20.0	21.7	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	84	19546	20.0	22.9	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	250014	20.0	22.1	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	177873	20.0	21.6	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	250866	20.0	22.5	
119 Butyl Methacrylate	87	9.889	9.889	0.000	98	78837	20.0	16.3	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	255026	20.0	22.2	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	149189	20.0	22.4	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	211954	20.0	22.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	271082	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	157538	20.0	21.9	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	266961	20.0	22.2	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	268854	20.0	22.4	
127 Benzyl chloride	126	10.914	10.914	0.000	96	19419	20.0	18.1	
128 p-Diethylbenzene	119	10.935	10.935	0.000	91	110317	20.0	22.2	
129 n-Butylbenzene	91	11.014	11.021	-0.007	98	191561	20.0	22.7	
130 1,2-Dichlorobenzene	146	11.122	11.122	0.000	96	147981	20.0	22.2	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	195381	20.0	22.8	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	91	12946	20.0	24.3	
133 1,3,5-Trichlorobenzene	180	12.268	12.268	0.000	97	90205	20.0	22.9	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	82557	20.0	23.0	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	32286	20.0	22.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 Naphthalene	128	13.242	13.242	0.000	99	187054	20.0	23.0	
137 1,2,3-Trichlorobenzene	180	13.414	13.421	-0.007	95	77595	20.0	23.0	
S 138 1,2-Dichloroethene, Total	100				0		40.0	44.6	
S 139 1,3-Dichloropropene, Total	100				0		40.0	43.7	
S 140 Xylenes, Total	100				0		40.0	41.8	
S 142 Total BTEX	1				0		100.0	105.3	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Sep-2019 10:58:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65922.D

Injection Date: 17-Sep-2019 09:37:30 Instrument ID: CVOAMS13 Operator ID:

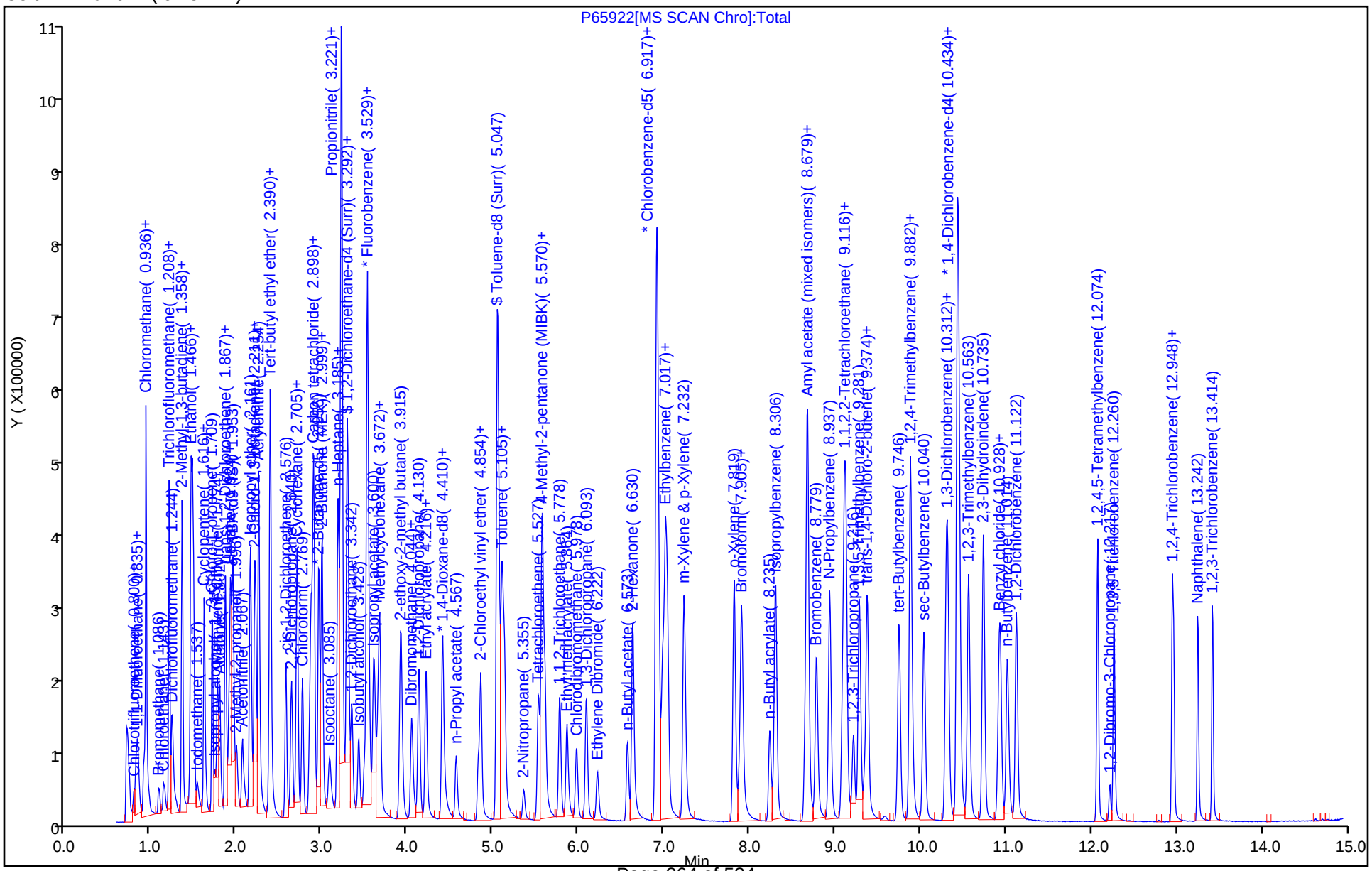
Lims ID: LCSD Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191351-C-2 MS

Matrix: Water Lab File ID: P65943.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 18:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.7		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.0		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.2		1.0	0.43
75-34-3	1,1-Dichloroethane	22.5		1.0	0.26
75-35-4	1,1-Dichloroethene	19.1		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	19.7		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	21.7		1.0	0.38
95-50-1	1,2-Dichlorobenzene	20.6		1.0	0.43
107-06-2	1,2-Dichloroethane	18.8		1.0	0.43
78-87-5	1,2-Dichloropropane	19.8		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.2		1.0	0.34
106-46-7	1,4-Dichlorobenzene	19.8		1.0	0.33
78-93-3	2-Butanone (MEK)	90.5		5.0	1.9
591-78-6	2-Hexanone	100		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	98.4		5.0	1.3
67-64-1	Acetone	107		5.0	4.4
71-43-2	Benzene	19.3		1.0	0.20
75-25-2	Bromoform	20.8		1.0	0.54
74-83-9	Bromomethane	13.2		1.0	0.55
75-15-0	Carbon disulfide	18.6		1.0	0.82
56-23-5	Carbon tetrachloride	17.6		1.0	0.21
108-90-7	Chlorobenzene	19.4		1.0	0.38
124-48-1	Chlorodibromomethane	18.9		1.0	0.28
75-00-3	Chloroethane	20.7		1.0	0.32
67-66-3	Chloroform	20.3		1.0	0.33
74-87-3	Chloromethane	18.8		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.2		1.0	0.22
110-82-7	Cyclohexane	14.7		1.0	0.32
75-27-4	Dichlorobromomethane	19.5		1.0	0.34
75-71-8	Dichlorodifluoromethane	14.9		1.0	0.31
100-41-4	Ethylbenzene	19.5		1.0	0.30
106-93-4	Ethylene Dibromide	19.3		1.0	0.50
98-82-8	Isopropylbenzene	19.6		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191351-C-2 MS

Matrix: Water Lab File ID: P65943.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 18:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	32.4		5.0	0.79
1634-04-4	Methyl tert-butyl ether	22.1		1.0	0.47
108-87-2	Methylcyclohexane	14.2		1.0	0.26
75-09-2	Methylene Chloride	20.2		1.0	0.32
100-42-5	Styrene	18.6		1.0	0.42
127-18-4	Tetrachloroethene	18.8		1.0	0.25
108-88-3	Toluene	19.0		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.1		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.7		1.0	0.49
79-01-6	Trichloroethene	20.4		1.0	0.31
75-69-4	Trichlorofluoromethane	21.0		1.0	0.32
75-01-4	Vinyl chloride	23.0		1.0	0.17
1330-20-7	Xylenes, Total	37.3		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65943.D
Lims ID: 460-191351-C-2 MS
Client ID: MW-17D 091019
Sample Type: MS
Inject. Date: 17-Sep-2019 18:24:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-C-2 MS
Misc. Info.: 460-0097690-026
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 11:36:14 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:19:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.721	0.757	-0.036	60	573	20.0	8.19	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	84	3730	20.0	6.30	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	53004	20.0	14.9	
4 1,1-Difluoroethane	65	0.828	0.821	0.007	92	22618	20.0	13.9	
5 Chlorodifluoromethane	67	0.842	0.835	0.007	96	9210	20.0	13.6	a
6 Chloromethane	50	0.921	0.914	0.007	82	66401	20.0	18.8	
8 Butadiene	54	0.936	0.936	0.000	97	82418	20.0	21.4	
7 Vinyl chloride	62	0.943	0.943	0.000	69	91537	20.0	23.0	
9 Bromomethane	94	1.086	1.086	0.000	96	17403	20.0	13.2	M
10 Chloroethane	64	1.150	1.151	-0.001	99	42040	20.0	20.7	
12 Trichlorofluoromethane	101	1.215	1.208	0.007	98	83900	20.0	21.0	
11 Pentane	72	1.208	1.208	0.000	96	9167	40.0	15.0	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	124055	20.0	22.4	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	97	65336	20.0	17.1	
15 Ethyl ether	59	1.365	1.365	0.000	98	56495	20.0	22.5	
16 Ethanol	46	1.451	1.444	0.007	99	18955	800.0	868.5	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	75	82532	20.0	19.6	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	43497	20.0	19.1	
19 Carbon disulfide	76	1.480	1.480	0.000	100	161244	20.0	18.6	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	92	36730	20.0	16.2	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	94	77193	20.0	19.5	a
22 Iodomethane	142	1.537	1.537	0.000	99	15897	20.0	4.88	
23 Cyclopentene	67	1.616	1.616	0.000	97	122513	20.0	17.4	
24 Acrolein	56	1.638	1.638	0.000	93	15303	40.0	49.5	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	91	33997	20.0	20.9	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	92918	200.0	386.1	
27 Methylene Chloride	84	1.774	1.774	0.000	99	64601	20.0	20.2	
28 Acetone	43	1.802	1.802	0.000	86	97306	100.0	107.4	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	56488	20.0	21.1	
30 Methyl acetate	43	1.874	1.874	0.000	99	97152	40.0	32.4	
31 Hexane	86	1.910	1.910	0.000	77	6148	20.0	12.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	181276	20.0	22.1	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	299789	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	98	63220	200.0	189.0	
35 Acetonitrile	41	2.067	2.067	0.000	99	96763	200.0	202.7	a
36 Isopropyl ether	45	2.160	2.161	-0.001	96	266126	20.0	22.9	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	93	49502	20.0	20.2	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	128499	20.0	22.5	
39 Acrylonitrile	53	2.254	2.254	0.000	94	282456	200.0	247.9	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	87	207759	20.0	19.8	
41 Vinyl acetate	43	2.390	2.390	0.000	100	287209	40.0	46.5	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	65531	20.0	20.2	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	69294	20.0	16.2	
44 Cyclohexane	56	2.705	2.705	0.000	94	67936	20.0	14.7	
45 Chlorobromomethane	128	2.705	2.705	0.000	96	31594	20.0	20.2	
46 Chloroform	83	2.769	2.769	0.000	98	111875	20.0	20.3	
47 Carbon tetrachloride	117	2.855	2.855	0.000	97	64436	20.0	17.6	
48 Ethyl acetate	70	2.870	2.870	0.000	97	14137	40.0	37.4	
49 Methyl acrylate	55	2.870	2.870	0.000	54	54551	20.0	20.8	
50 Tetrahydrofuran	42	2.877	2.877	0.000	93	48088	40.0	37.6	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	142833	50.0	49.4	
52 1,1,1-Trichloroethane	97	2.898	2.906	-0.008	99	83927	20.0	18.7	
* 53 2-Butanone-d5	46	2.963	2.956	0.007	0	354790	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.991	0.007	98	36870	100.0	90.5	
55 1,1-Dichloropropene	75	2.999	2.999	-0.001	77	85399	20.0	18.8	
56 Isooctane	57	3.084	3.085	-0.001	97	61217	20.0	11.6	
57 n-Heptane	57	3.178	3.178	0.000	91	17590	20.0	12.8	
58 Benzene	78	3.185	3.185	0.000	97	261489	20.0	19.3	
59 Propionitrile	54	3.206	3.206	0.000	95	92953	200.0	171.3	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	266800	200.0	229.9	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	182690	50.0	48.7	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	96	165812	20.0	19.0	
63 1,2-Dichloroethane	62	3.350	3.342	0.008	97	85354	20.0	18.8	
64 Isobutyl alcohol	43	3.428	3.428	0.000	99	53687	500.0	385.5	
65 t-Amyl alcohol	59	3.493	3.493	0.000	91	35000	200.0	162.6	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	638779	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	99	115583	20.0	19.1	
68 Methylcyclohexane	83	3.650	3.658	-0.008	94	47652	20.0	14.2	
69 Trichloroethene	130	3.672	3.672	0.000	98	63089	20.0	20.4	
70 2-ethoxy-2-methyl butane	59	3.923	3.923	0.000	90	133347	20.0	16.7	
71 Dibromomethane	93	4.044	4.044	0.000	97	37456	20.0	20.5	
72 n-Butanol	56	4.059	4.059	0.000	93	30527	500.0	403.7	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	89	67973	20.0	19.8	
74 Ethyl acrylate	55	4.216	4.209	0.007	79	72494	20.0	20.4	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	78835	20.0	19.5	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	27109	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	93	30435	40.0	41.6	
78 1,4-Dioxane	88	4.424	4.431	-0.007	96	13649	400.0	416.9	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	78019	20.0	18.9	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	95	89521	20.0	18.2	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	594186	50.0	46.5	
83 Toluene	91	5.104	5.105	-0.001	94	275297	20.0	19.0	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	64013	400.0	228.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Nitropropane	41	5.355	5.355	0.000	99	24183	40.0	36.7	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	58777	20.0	18.8	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.570	0.007	98	310706	100.0	98.4	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	93	84194	20.0	18.7	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	95	48184	20.0	20.2	
90 Ethyl methacrylate	69	5.864	5.864	0.000	90	73106	20.0	19.5	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	53633	20.0	18.9	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	95	98253	20.0	20.0	
93 Ethylene Dibromide	107	6.222	6.222	0.000	100	51492	20.0	19.3	
94 n-Butyl acetate	43	6.573	6.573	0.000	97	71242	20.0	17.9	
95 2-Hexanone	43	6.630	6.630	0.000	97	216718	100.0	100.5	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	480268	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	170480	20.0	19.4	
98 Ethylbenzene	106	7.017	7.017	0.000	99	89113	20.0	19.5	
99 1,1,1,2-Tetrachloroethane	131	7.038	7.046	-0.008	94	54662	20.0	19.6	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	106271	20.0	18.6	
101 o-Xylene	106	7.819	7.819	0.000	93	100611	20.0	18.7	
102 Bromoform	173	7.884	7.884	0.000	96	33929	20.0	20.8	
103 Styrene	104	7.905	7.905	0.000	96	168888	20.0	18.6	
104 n-Butyl acrylate	73	8.235	8.242	-0.007	96	35907	20.0	18.8	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	250709	20.0	19.6	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	86872	20.0	17.7	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	90	193060	50.0	49.0	
108 Bromobenzene	156	8.786	8.779	0.007	99	73648	20.0	20.0	
109 N-Propylbenzene	91	8.937	8.937	0.000	99	290696	20.0	19.1	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	71957	20.0	21.0	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	227005	20.0	19.6	
112 4-Ethyltoluene	105	9.130	9.130	0.000	99	251710	20.0	19.9	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	21329	20.0	21.1	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	93	207422	20.0	19.3	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	82	15961	20.0	19.4	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	215932	20.0	19.7	
117 tert-Butylbenzene	119	9.753	9.746	0.007	93	149231	20.0	18.7	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	97	216666	20.0	20.0	
119 Butyl Methacrylate	87	9.889	9.889	0.000	93	64150	20.0	13.7	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	215766	20.0	19.4	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	96	130074	20.0	20.2	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	177519	20.0	19.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	262637	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	93	138307	20.0	19.8	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	230236	20.0	19.7	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	234646	20.0	20.1	
127 Benzyl chloride	126	10.914	10.914	0.000	97	11909	20.0	11.5	
128 p-Diethylbenzene	119	10.928	10.935	-0.007	92	91901	20.0	19.1	
129 n-Butylbenzene	91	11.014	11.021	-0.007	98	156256	20.0	19.1	
130 1,2-Dichlorobenzene	146	11.121	11.122	-0.001	95	133111	20.0	20.6	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	154475	20.0	18.6	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	93	11191	20.0	21.7	
133 1,3,5-Trichlorobenzene	180	12.267	12.268	-0.001	97	76460	20.0	20.0	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	93	68564	20.0	19.7	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	25565	20.0	18.5	
136 Naphthalene	128	13.242	13.242	0.000	99	145925	20.0	18.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 1,2,3-Trichlorobenzene	180	13.414	13.421	-0.007	96	64963	20.0	19.9	
S 138 1,2-Dichloroethene, Total	100				0		40.0	41.3	
S 139 1,3-Dichloropropene, Total	100				0		40.0	36.9	
S 140 Xylenes, Total	100				0		40.0	37.3	
S 142 Total BTEX	1				0		100.0	95.2	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

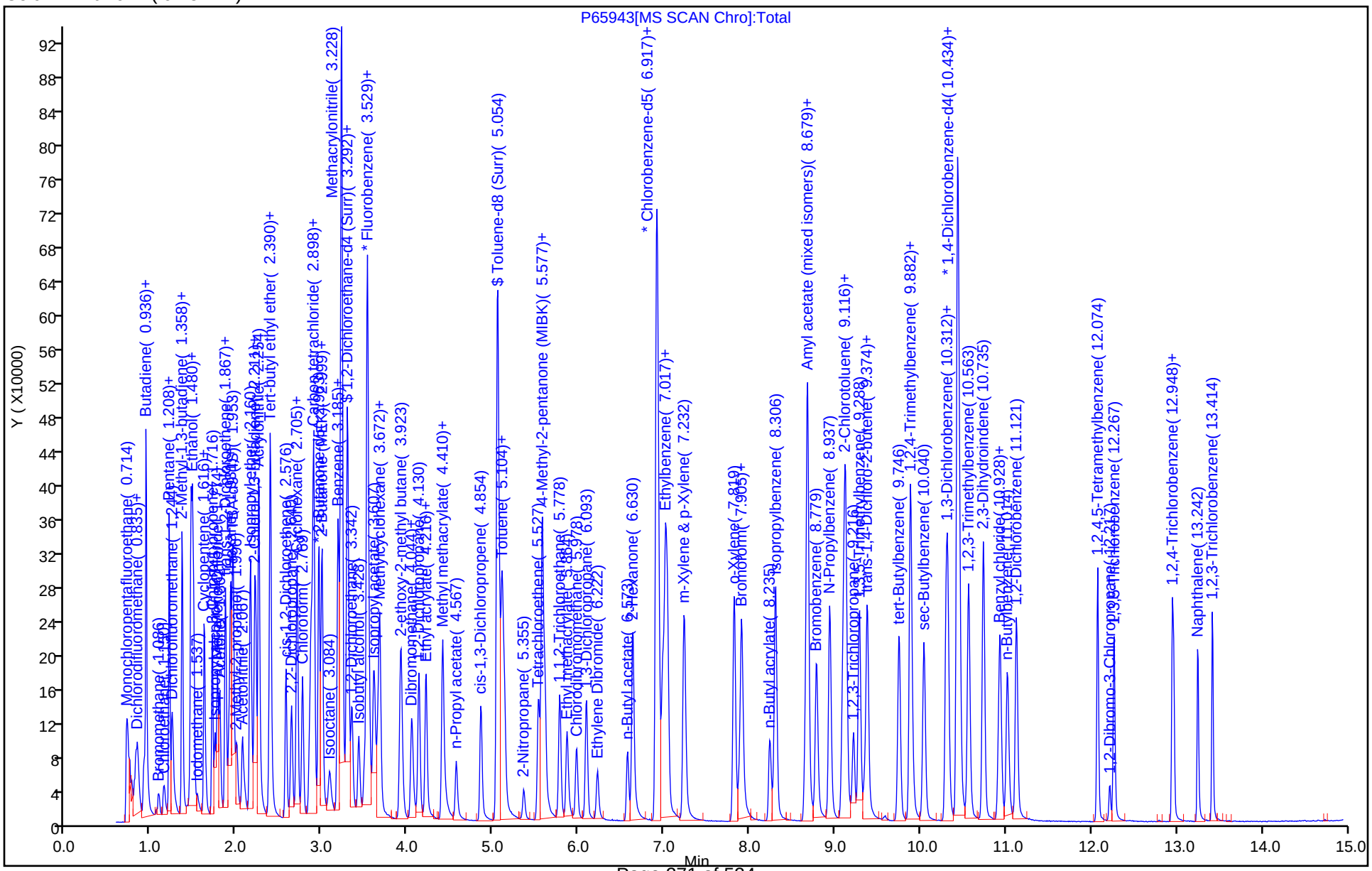
Report Date: 18-Sep-2019 11:36:16 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65943.D

Injection Date:	17-Sep-2019 18:24:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-C-2 MS			Worklist Smp#:	26
Client ID:	MW-17D 091019				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

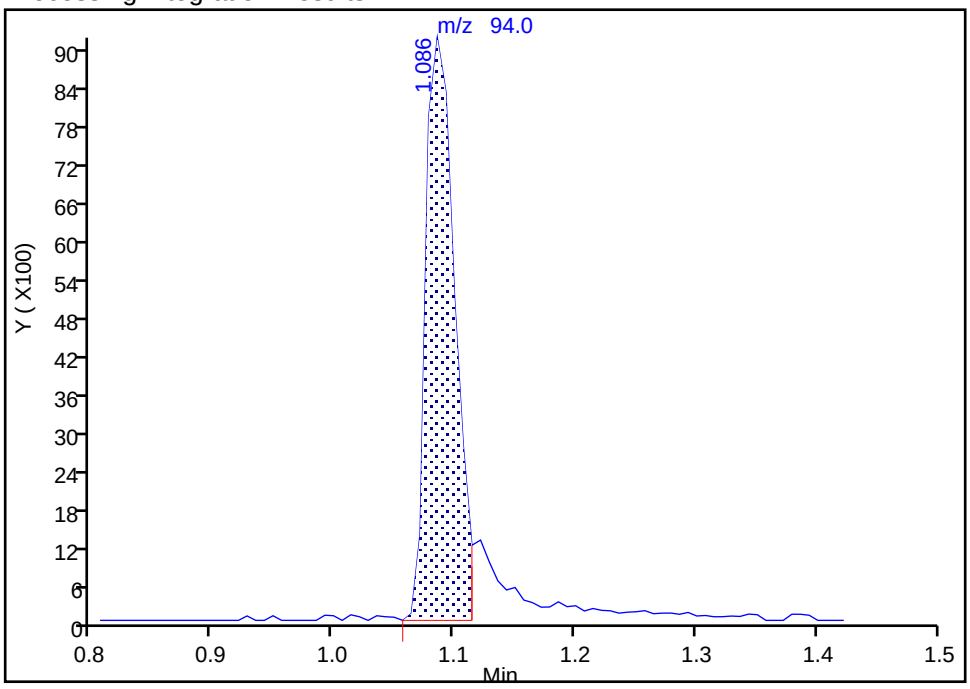
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65943.D		
Injection Date:	17-Sep-2019 18:24:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-2 MS		
Client ID:	MW-17D 091019		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

9 Bromomethane, CAS: 74-83-9

Signal: 1

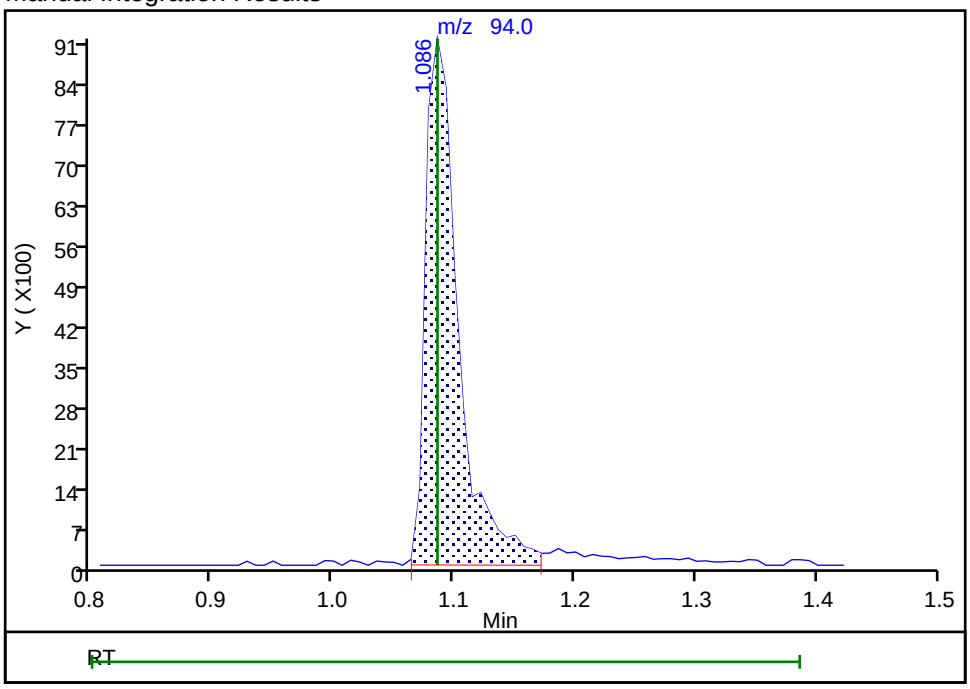
Processing Integration Results

RT: 1.09
Area: 15437
Amount: 11.709023
Amount Units: ug/l



Manual Integration Results

RT: 1.09
Area: 17403
Amount: 13.200241
Amount Units: ug/l



Reviewer: xuyvo, 18-Sep-2019 11:36:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191351-C-2 MSD

Matrix: Water Lab File ID: P65944.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 18:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.8		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.9		1.0	0.43
75-34-3	1,1-Dichloroethane	24.7		1.0	0.26
75-35-4	1,1-Dichloroethene	21.5		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	22.2		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	22.7		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.5		1.0	0.43
107-06-2	1,2-Dichloroethane	20.8		1.0	0.43
78-87-5	1,2-Dichloropropane	22.0		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.0		1.0	0.34
106-46-7	1,4-Dichlorobenzene	22.2		1.0	0.33
78-93-3	2-Butanone (MEK)	103		5.0	1.9
591-78-6	2-Hexanone	114		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	112		5.0	1.3
67-64-1	Acetone	117		5.0	4.4
71-43-2	Benzene	21.9		1.0	0.20
75-25-2	Bromoform	22.1		1.0	0.54
74-83-9	Bromomethane	17.4		1.0	0.55
75-15-0	Carbon disulfide	20.7		1.0	0.82
56-23-5	Carbon tetrachloride	19.5		1.0	0.21
108-90-7	Chlorobenzene	22.2		1.0	0.38
124-48-1	Chlorodibromomethane	20.4		1.0	0.28
75-00-3	Chloroethane	22.7		1.0	0.32
67-66-3	Chloroform	22.6		1.0	0.33
74-87-3	Chloromethane	21.6		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.5		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.2		1.0	0.22
110-82-7	Cyclohexane	16.7		1.0	0.32
75-27-4	Dichlorobromomethane	21.3		1.0	0.34
75-71-8	Dichlorodifluoromethane	15.9		1.0	0.31
100-41-4	Ethylbenzene	21.9		1.0	0.30
106-93-4	Ethylene Dibromide	21.1		1.0	0.50
98-82-8	Isopropylbenzene	22.2		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191351-C-2 MSD

Matrix: Water Lab File ID: P65944.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 18:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	36.1		5.0	0.79
1634-04-4	Methyl tert-butyl ether	24.4		1.0	0.47
108-87-2	Methylcyclohexane	15.9		1.0	0.26
75-09-2	Methylene Chloride	22.6		1.0	0.32
100-42-5	Styrene	21.4		1.0	0.42
127-18-4	Tetrachloroethene	21.3		1.0	0.25
108-88-3	Toluene	21.6		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	23.4		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.1		1.0	0.49
79-01-6	Trichloroethene	21.8		1.0	0.31
75-69-4	Trichlorofluoromethane	23.0		1.0	0.32
75-01-4	Vinyl chloride	25.2		1.0	0.17
1330-20-7	Xylenes, Total	42.5		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		74-132
460-00-4	4-Bromofluorobenzene	100		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65944.D
Lims ID: 460-191351-C-2 MSD
Client ID: MW-17D 091019
Sample Type: MSD
Inject. Date: 17-Sep-2019 18:49:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-C-2 MSD
Misc. Info.: 460-0097690-027
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 11:07:21 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:20:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.756	0.757	-0.001	27	315	20.0	4.50	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	84	5264	20.0	8.89	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	98	56429	20.0	15.9	
4 1,1-Difluoroethane	65	0.828	0.821	0.007	94	26508	20.0	16.3	
5 Chlorodifluoromethane	67	0.842	0.835	0.007	97	10064	20.0	14.9	a
6 Chloromethane	50	0.914	0.914	0.000	97	76299	20.0	21.6	
8 Butadiene	54	0.936	0.936	0.000	97	92876	20.0	24.1	
7 Vinyl chloride	62	0.943	0.943	0.000	98	100510	20.0	25.2	
9 Bromomethane	94	1.086	1.086	0.000	98	22208	20.0	17.4	
10 Chloroethane	64	1.150	1.151	-0.001	99	45982	20.0	22.7	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	98	91898	20.0	23.0	
11 Pentane	72	1.208	1.208	0.000	97	9725	40.0	16.5	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	138343	20.0	24.9	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	97	74289	20.0	19.4	
15 Ethyl ether	59	1.365	1.365	0.000	94	63517	20.0	25.3	
16 Ethanol	46	1.444	1.444	0.000	100	19685	800.0	935.1	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	74	90512	20.0	21.5	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	49076	20.0	21.5	
19 Carbon disulfide	76	1.480	1.480	0.000	100	179628	20.0	20.7	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	96	38745	20.0	17.1	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	93	86819	20.0	21.9	a
22 Iodomethane	142	1.537	1.537	0.000	100	28168	20.0	8.64	
23 Cyclopentene	67	1.616	1.616	0.000	97	139053	20.0	19.7	
24 Acrolein	56	1.638	1.638	0.000	94	16289	40.0	54.6	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	91	37776	20.0	23.2	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	95488	200.0	411.4	
27 Methylene Chloride	84	1.774	1.774	0.000	99	72283	20.0	22.6	
28 Acetone	43	1.802	1.802	0.000	85	102506	100.0	117.2	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	62562	20.0	23.4	
30 Methyl acetate	43	1.874	1.874	0.000	99	104539	40.0	36.1	
31 Hexane	86	1.910	1.910	0.000	77	6799	20.0	14.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	97	200107	20.0	24.4	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	289156	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	98	67669	200.0	209.8	
35 Acetonitrile	41	2.067	2.067	0.000	99	108904	200.0	236.5	a
36 Isopropyl ether	45	2.160	2.161	-0.001	97	299213	20.0	25.8	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	93	54853	20.0	22.3	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	141419	20.0	24.7	
39 Acrylonitrile	53	2.254	2.254	0.000	93	308497	200.0	270.7	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	235405	20.0	22.5	
41 Vinyl acetate	43	2.390	2.390	0.000	100	323720	40.0	52.4	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	93	70053	20.0	21.5	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	78413	20.0	18.3	
44 Cyclohexane	56	2.705	2.705	0.000	93	77082	20.0	16.7	
45 Chlorobromomethane	128	2.705	2.705	0.000	97	35127	20.0	22.5	
46 Chloroform	83	2.769	2.769	0.000	98	124216	20.0	22.6	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	71437	20.0	19.5	
48 Ethyl acetate	70	2.870	2.870	0.000	98	15075	40.0	41.3	
49 Methyl acrylate	55	2.870	2.870	0.000	96	57134	20.0	21.7	
50 Tetrahydrofuran	42	2.884	2.877	0.007	93	55524	40.0	44.9	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	143463	50.0	49.6	
52 1,1,1-Trichloroethane	97	2.905	2.906	-0.001	96	93109	20.0	20.8	
* 53 2-Butanone-d5	46	2.963	2.956	0.007	0	342736	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.991	0.007	98	40408	100.0	102.7	
55 1,1-Dichloropropene	75	2.999	2.999	-0.001	78	93482	20.0	20.5	
56 Isooctane	57	3.084	3.085	-0.001	97	67071	20.0	12.7	
57 n-Heptane	57	3.178	3.178	0.000	90	18152	20.0	13.2	
58 Benzene	78	3.185	3.185	0.000	97	294589	20.0	21.9	
59 Propionitrile	54	3.206	3.206	0.000	98	100376	200.0	191.8	
60 Methacrylonitrile	67	3.228	3.228	0.000	93	289362	200.0	249.3	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	174061	50.0	46.3	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	183726	20.0	21.1	
63 1,2-Dichloroethane	62	3.349	3.342	0.007	97	94258	20.0	20.8	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	58078	500.0	432.4	
65 t-Amyl alcohol	59	3.493	3.493	0.000	91	38850	200.0	187.2	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	638936	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	99	124896	20.0	20.6	
68 Methylcyclohexane	83	3.658	3.658	0.000	95	53272	20.0	15.9	
69 Trichloroethene	130	3.672	3.672	0.000	97	67281	20.0	21.8	
70 2-ethoxy-2-methyl butane	59	3.923	3.923	0.000	91	154867	20.0	19.3	
71 Dibromomethane	93	4.044	4.044	0.000	97	40511	20.0	22.2	
72 n-Butanol	56	4.059	4.059	0.000	94	31722	500.0	433.8	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	89	75244	20.0	22.0	
74 Ethyl acrylate	55	4.216	4.209	0.007	81	82766	20.0	23.2	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	86056	20.0	21.3	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	29298	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	94	32832	40.0	44.9	
78 1,4-Dioxane	88	4.431	4.431	0.000	98	14961	400.0	422.9	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	87583	20.0	21.3	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	95	103895	20.0	21.2	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	605704	50.0	47.6	
83 Toluene	91	5.104	5.105	-0.001	93	311246	20.0	21.6	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	64690	400.0	239.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Nitropropane	41	5.355	5.355	0.000	99	27078	40.0	41.0	
86 Tetrachloroethene	166	5.527	5.534	-0.007	98	66189	20.0	21.3	
87 4-Methyl-2-pentanone (MIBK	43	5.570	5.570	0.000	98	342240	100.0	112.2	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	93	94259	20.0	21.1	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	51930	20.0	21.9	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	80077	20.0	21.3	
91 Chlorodibromomethane	129	5.971	5.978	-0.007	98	57314	20.0	20.4	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	108750	20.0	22.3	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	55943	20.0	21.1	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	80315	20.0	20.2	
95 2-Hexanone	43	6.630	6.630	0.000	97	237934	100.0	114.2	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	477628	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	92	194237	20.0	22.2	
98 Ethylbenzene	106	7.017	7.017	0.000	99	99637	20.0	21.9	
99 1,1,1,2-Tetrachloroethane	131	7.038	7.046	-0.008	93	61027	20.0	22.0	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	119662	20.0	21.1	
101 o-Xylene	106	7.819	7.819	0.000	93	114402	20.0	21.4	
102 Bromoform	173	7.884	7.884	0.000	96	35906	20.0	22.1	
103 Styrene	104	7.905	7.905	0.000	94	194153	20.0	21.4	
104 n-Butyl acrylate	73	8.235	8.242	-0.007	96	39806	20.0	20.8	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	283017	20.0	22.2	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	91	98653	20.0	19.9	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	93	195158	50.0	49.8	
108 Bromobenzene	156	8.786	8.779	0.007	98	83251	20.0	22.5	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	331072	20.0	21.7	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	76972	20.0	22.3	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	259737	20.0	22.3	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	281326	20.0	22.1	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	21892	20.0	21.5	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	93	234041	20.0	21.6	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	82	17990	20.0	21.7	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	241509	20.0	21.9	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	168374	20.0	21.0	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	243985	20.0	22.4	
119 Butyl Methacrylate	87	9.889	9.889	0.000	94	72994	20.0	15.5	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	245066	20.0	21.9	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	142655	20.0	22.0	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	194515	20.0	20.9	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	264254	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	155518	20.0	22.2	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	258270	20.0	22.0	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	262451	20.0	22.4	
127 Benzyl chloride	126	10.914	10.914	0.000	97	13058	20.0	12.5	
128 p-Diethylbenzene	119	10.928	10.935	-0.007	92	103225	20.0	21.3	
129 n-Butylbenzene	91	11.014	11.021	-0.007	98	174613	20.0	21.2	
130 1,2-Dichlorobenzene	146	11.121	11.122	-0.001	95	146483	20.0	22.5	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	179390	20.0	21.5	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	92	11799	20.0	22.7	
133 1,3,5-Trichlorobenzene	180	12.267	12.268	-0.001	97	86072	20.0	22.4	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	77582	20.0	22.2	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	29582	20.0	21.3	
136 Naphthalene	128	13.242	13.242	0.000	99	179505	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	95	76463	20.0	23.3	
S 138 1,2-Dichloroethene, Total	100				0		40.0	44.9	
S 139 1,3-Dichloropropene, Total	100				0		40.0	42.3	
S 140 Xylenes, Total	100				0		40.0	42.5	
S 142 Total BTEX	1				0		100.0	107.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

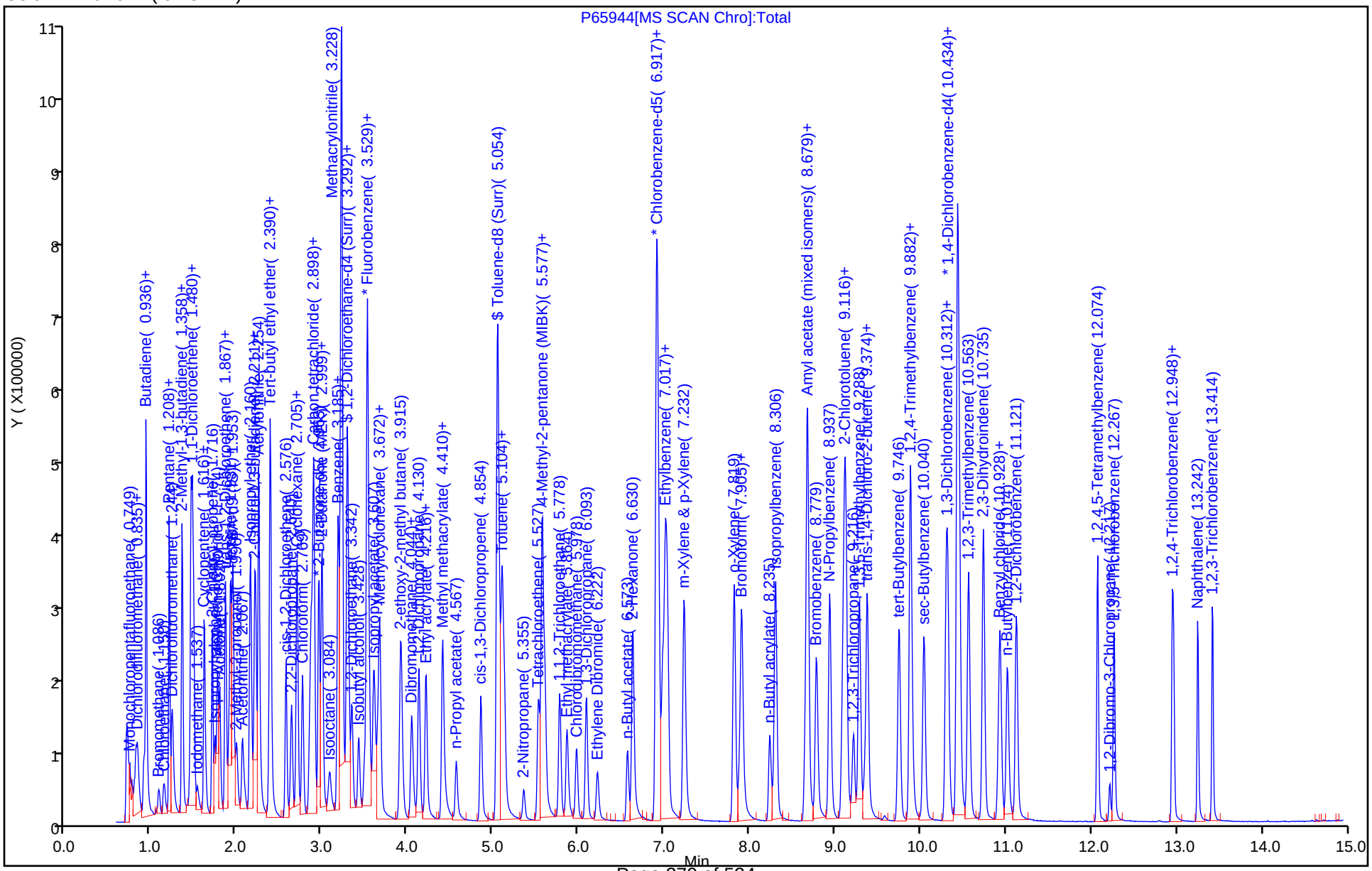
Report Date: 18-Sep-2019 11:07:25 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65944.D

Injection Date:	17-Sep-2019 18:49:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-C-2 MSD			Worklist Smp#:	27
Client ID:	MW-17D 091019				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 08/23/2019 07:52

Analysis Batch Number: 634356 End Date: 08/23/2019 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-634356/1		08/23/2019 07:52	1	P65039.D	Rtx-624 0.25(mm)
STD8 460-634356/2 IC		08/23/2019 08:16	1	P65040.D	Rtx-624 0.25(mm)
STD1 460-634356/4 IC		08/23/2019 09:06	1	P65042.D	Rtx-624 0.25(mm)
STD20 460-634356/6 ICIS		08/23/2019 09:55	1	P65044.D	Rtx-624 0.25(mm)
STD50 460-634356/7 IC		08/23/2019 10:20	1	P65045.D	Rtx-624 0.25(mm)
STD200 460-634356/8 IC		08/23/2019 10:45	1	P65046.D	Rtx-624 0.25(mm)
STD500 460-634356/9 IC		08/23/2019 11:10	1	P65047.D	Rtx-624 0.25(mm)
STD5 460-634356/14 IC		08/23/2019 13:15	1	P65052.D	Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 13:55	1		Rtx-624 0.25(mm)
ICV 460-634356/1015		08/23/2019 13:55	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 14:20	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 15:48	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 17:03	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 17:28	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 17:53	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 18:18	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 18:43	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 19:08	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 19:33	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 09/17/2019 07:11

Analysis Batch Number: 639801 End Date: 09/17/2019 18:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-639801/1		09/17/2019 07:11	1	P65918.D	Rtx-624 0.25(mm)
CCVIS 460-639801/3		09/17/2019 08:32	1	P65920.D	Rtx-624 0.25(mm)
LCS 460-639801/4		09/17/2019 09:12	1	P65921.D	Rtx-624 0.25(mm)
LCSD 460-639801/5		09/17/2019 09:37	1	P65922.D	Rtx-624 0.25(mm)
MB 460-639801/8		09/17/2019 10:51	1	P65925.D	Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 11:16	1		Rtx-624 0.25(mm)
460-191322-3		09/17/2019 11:43	1	P65927.D	Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 12:09	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 12:34	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 12:59	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 13:24	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 13:49	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 14:14	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 14:39	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 15:04	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 15:29	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 15:54	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 16:19	1		Rtx-624 0.25(mm)
460-191322-1		09/17/2019 16:44	1	P65939.D	Rtx-624 0.25(mm)
460-191322-2		09/17/2019 17:09	1	P65940.D	Rtx-624 0.25(mm)
460-191351-C-2 MS		09/17/2019 18:24	1	P65943.D	Rtx-624 0.25(mm)
460-191351-C-2 MSD		09/17/2019 18:49	1	P65944.D	Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Batch Number: 639801 Batch Start Date: 09/17/19 07:11 Batch Analyst: Sarmiento, Daniel

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00011	8260ISNEW 00129	8260MIX1COMB 00104	8260SURR250 00200
BFB 460-639801/1		8260C		5 mL	5 mL				
CCVIS 460-639801/3		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-639801/4		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCSD 460-639801/5		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-639801/8		8260C		5 mL	5 mL		1 uL		1 uL
460-191322-A-3	Trip Blank	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191322-A-1	MW-3D 091219	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191322-B-2	MW-20D 091219	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-C-2 MS	MW-17D 091019	8260C	T	5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
460-191351-C-2 MSD	MW-17D 091019	8260C	T	5 mL	5 mL	20 uL	1 uL	20 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00095	BFB 00021	GASES Li 00332			
BFB 460-639801/1		8260C			1 uL				
CCVIS 460-639801/3		8260C		4 uL		20 uL			
LCS 460-639801/4		8260C		4 uL		20 uL			
LCSD 460-639801/5		8260C		4 uL		20 uL			
MB 460-639801/8		8260C							
460-191322-A-3	Trip Blank	8260C	T						
460-191322-A-1	MW-3D 091219	8260C	T						
460-191322-B-2	MW-20D 091219	8260C	T						
460-191351-C-2 MS	MW-17D 091019	8260C	T	4 uL		20 uL			
460-191351-C-2 MSD	MW-17D 091019	8260C	T	4 uL		20 uL			

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Batch Number: 639801 Batch Start Date: 09/17/19 07:11 Batch Analyst: Sarmiento, Daniel

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8270D

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
MW-3D 091219	460-191322-1	34	24	73	63	82	73
MW-20D 091219	460-191322-2	36	25	75	66	85	76
	MB 460-639442/1-A	42	29	78	69	88	80
	LCS 460-639442/2-A	47	32	93	83	101	94
	LCS 460-639442/4-A	44	31	84	74	102	89
	LCSD 460-639442/3-A	47	32	91	81	105	92
	LCSD 460-639442/5-A	49	34	92	81	107	95
	460-191309-E-2-A MS	36	24	74	68	88	75
	460-191309-D-2-A MSD	42	28	86	78	103	85

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	25-58
PHL = Phenol-d5 (Surr)	14-39
NBZ = Nitrobenzene-d5 (Surr)	51-108
FBP = 2-Fluorobiphenyl	45-107
TBP = 2,4,6-Tribromophenol (Surr)	26-139
TPHL = Terphenyl-d14 (Surr)	40-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163858.D

Lab ID: LCS 460-639442/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	59.8	75	54-108	
2,2'-oxybis[1-chloropropane]	80.0	59.8	75	50-108	
2,4,5-Trichlorophenol	80.0	62.0	77	59-117	
2,4,6-Trichlorophenol	80.0	65.7	82	62-120	
2,4-Dichlorophenol	80.0	67.2	84	62-102	
2,4-Dimethylphenol	80.0	61.9	77	61-95	
2,4-Dinitrophenol	160	173	108	45-125	
2,4-Dinitrotoluene	80.0	69.3	87	70-123	
2,6-Dinitrotoluene	80.0	69.6	87	68-121	
2-Chloronaphthalene	80.0	58.6	73	54-105	
2-Chlorophenol	80.0	59.0	74	54-92	
2-Methylnaphthalene	80.0	59.9	75	47-104	
2-Methylphenol	80.0	53.6	67	43-80	
2-Nitroaniline	80.0	68.8	86	46-124	
2-Nitrophenol	80.0	75.2	94	58-109	
3,3'-Dichlorobenzidine	80.0	70.7	88	68-123	
3-Nitroaniline	80.0	64.0	80	60-117	
4,6-Dinitro-2-methylphenol	160	162	101	59-132	
4-Bromophenyl phenyl ether	80.0	68.0	85	57-126	
4-Chloro-3-methylphenol	80.0	65.9	82	58-98	
4-Chloroaniline	80.0	64.8	81	51-108	
4-Chlorophenyl phenyl ether	80.0	67.7	85	60-114	
4-Nitroaniline	80.0	69.1	86	48-135	
4-Nitrophenol	160	61.5	38	11-47	
Acenaphthene	80.0	60.5	76	58-107	
Acenaphthylene	80.0	62.6	78	61-106	
Acetophenone	80.0	70.7	88	54-115	
Anthracene	80.0	67.2	84	70-118	
Benzo[a]anthracene	80.0	68.5	86	73-119	
Benzo[a]pyrene	80.0	62.7	78	76-125	
Benzo[b]fluoranthene	80.0	65.5	82	78-123	
Benzo[g,h,i]perylene	80.0	64.5	81	63-133	
Benzo[k]fluoranthene	80.0	68.7	86	71-126	
Bis(2-chloroethoxy)methane	80.0	67.4	84	67-104	
Bis(2-chloroethyl)ether	80.0	68.2	85	63-106	
Bis(2-ethylhexyl) phthalate	80.0	74.9	94	63-135	
Butyl benzyl phthalate	80.0	74.1	93	66-129	
Carbazole	80.0	66.2	83	68-121	
Chrysene	80.0	69.2	87	73-121	
Dibenz(a,h)anthracene	80.0	69.2	87	59-136	
Dibenzofuran	80.0	65.4	82	67-108	
Diethyl phthalate	80.0	67.6	85	61-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163858.D

Lab ID: LCS 460-639442/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dimethyl phthalate	80.0	67.3	84	65-121	
Di-n-butyl phthalate	80.0	69.5	87	64-130	
Di-n-octyl phthalate	80.0	71.4	89	64-131	
Fluoranthene	80.0	65.8	82	66-123	
Fluorene	80.0	66.5	83	67-112	
Hexachlorobenzene	80.0	70.1	88	63-125	
Hexachlorobutadiene	80.0	48.4	61	34-99	
Hexachlorocyclopentadiene	80.0	41.1	51	18-99	
Hexachloroethane	80.0	42.9	54	39-92	
Indeno[1,2,3-cd]pyrene	80.0	67.6	85	57-142	
Isophorone	80.0	69.0	86	55-105	
Naphthalene	80.0	54.5	68	51-98	
Nitrobenzene	80.0	69.7	87	56-106	
N-Nitrosodi-n-propylamine	80.0	71.1	89	48-118	
N-Nitrosodiphenylamine	80.0	67.3	84	69-118	
Pentachlorophenol	160	132	82	54-120	
Phenanthrene	80.0	66.3	83	70-117	
Phenol	80.0	29.1	36	16-43	
Pyrene	80.0	72.1	90	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163860.D

Lab ID: LCS 460-639442/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Atrazine	160	157	98	38-146	
Benzaldehyde	160	124	78	46-111	
Caprolactam	160	48.0	30	10-43	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163859.D

Lab ID: LCSD 460-639442/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	59.1	74	1	30	54-108	
2,2'-oxybis[1-chloropropane]	80.0	60.0	75	0	30	50-108	
2,4,5-Trichlorophenol	80.0	62.6	78	1	30	59-117	
2,4,6-Trichlorophenol	80.0	65.7	82	0	30	62-120	
2,4-Dichlorophenol	80.0	67.0	84	0	30	62-102	
2,4-Dimethylphenol	80.0	62.0	77	0	30	61-95	
2,4-Dinitrophenol	160	175	109	1	30	45-125	
2,4-Dinitrotoluene	80.0	72.5	91	5	30	70-123	
2,6-Dinitrotoluene	80.0	70.4	88	1	30	68-121	
2-Chloronaphthalene	80.0	58.4	73	0	30	54-105	
2-Chlorophenol	80.0	58.5	73	1	30	54-92	
2-Methylnaphthalene	80.0	60.0	75	0	30	47-104	
2-Methylphenol	80.0	51.7	65	4	30	43-80	
2-Nitroaniline	80.0	69.2	87	1	30	46-124	
2-Nitrophenol	80.0	75.2	94	0	30	58-109	
3,3'-Dichlorobenzidine	80.0	71.3	89	1	30	68-123	
3-Nitroaniline	80.0	65.6	82	2	30	60-117	
4,6-Dinitro-2-methylphenol	160	165	103	2	30	59-132	
4-Bromophenyl phenyl ether	80.0	66.3	83	2	30	57-126	
4-Chloro-3-methylphenol	80.0	66.5	83	1	30	58-98	
4-Chloroaniline	80.0	65.1	81	1	30	51-108	
4-Chlorophenyl phenyl ether	80.0	68.5	86	1	30	60-114	
4-Nitroaniline	80.0	73.1	91	6	30	48-135	
4-Nitrophenol	160	63.7	40	3	30	11-47	
Acenaphthene	80.0	61.0	76	1	30	58-107	
Acenaphthylene	80.0	62.7	78	0	30	61-106	
Acetophenone	80.0	71.1	89	0	30	54-115	
Anthracene	80.0	67.6	84	0	30	70-118	
Benzo[a]anthracene	80.0	67.0	84	2	30	73-119	
Benzo[a]pyrene	80.0	61.3	77	2	30	76-125	
Benzo[b]fluoranthene	80.0	61.9	77	6	30	78-123	*
Benzo[g,h,i]perylene	80.0	69.9	87	8	30	63-133	
Benzo[k]fluoranthene	80.0	66.0	83	4	30	71-126	
Bis(2-chloroethoxy)methane	80.0	67.5	84	0	30	67-104	
Bis(2-chloroethyl)ether	80.0	66.8	83	2	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	74.2	93	1	30	63-135	
Butyl benzyl phthalate	80.0	73.1	91	1	30	66-129	
Carbazole	80.0	66.7	83	1	30	68-121	
Chrysene	80.0	68.9	86	0	30	73-121	
Dibenz(a,h)anthracene	80.0	73.8	92	6	30	59-136	
Dibenzofuran	80.0	65.9	82	1	30	67-108	
Diethyl phthalate	80.0	69.2	87	2	30	61-129	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163859.D

Lab ID: LCSD 460-639442/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dimethyl phthalate	80.0	68.8	86	2	30	65-121	
Di-n-butyl phthalate	80.0	69.2	87	0	30	64-130	
Di-n-octyl phthalate	80.0	64.7	81	10	30	64-131	
Fluoranthene	80.0	66.2	83	1	30	66-123	
Fluorene	80.0	67.5	84	1	30	67-112	
Hexachlorobenzene	80.0	68.7	86	2	30	63-125	
Hexachlorobutadiene	80.0	47.9	60	1	30	34-99	
Hexachlorocyclopentadiene	80.0	40.7	51	1	30	18-99	
Hexachloroethane	80.0	42.8	53	0	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	70.9	89	5	30	57-142	
Isophorone	80.0	69.8	87	1	30	55-105	
Naphthalene	80.0	54.0	67	1	30	51-98	
Nitrobenzene	80.0	70.9	89	2	30	56-106	
N-Nitrosodi-n-propylamine	80.0	70.5	88	1	30	48-118	
N-Nitrosodiphenylamine	80.0	67.1	84	0	30	69-118	
Pentachlorophenol	160	134	84	2	30	54-120	
Phenanthrene	80.0	66.7	83	1	30	70-117	
Phenol	80.0	29.2	36	0	30	16-43	
Pyrene	80.0	70.6	88	2	30	63-129	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163861.D

Lab ID: LCSD 460-639442/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Atrazine	160	164	103	5	30	38-146	
Benzaldehyde	160	133	83	7	30	46-111	
Caprolactam	160	50.1	31	4	30	10-43	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163870.D

Lab ID: 460-191309-E-2-A MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	1.2 U	53.1	66	54-108	
2,2'-oxybis[1-chloropropane]	80.0	0.63 U	53.8	67	50-108	
2,4,5-Trichlorophenol	80.0	0.28 U	57.1	71	59-117	
2,4,6-Trichlorophenol	80.0	0.30 U	57.2	71	62-120	
2,4-Dichlorophenol	80.0	0.42 U	59.4	74	62-102	
2,4-Dimethylphenol	80.0	0.24 U	55.5	69	61-95	
2,4-Dinitrophenol	160	14 U	157	98	45-125	
2,4-Dinitrotoluene	80.0	1.0 U	64.7	81	70-123	
2,6-Dinitrotoluene	80.0	0.39 U	63.4	79	68-121	
2-Chloronaphthalene	80.0	1.2 U	52.7	66	54-105	
2-Chlorophenol	80.0	0.38 U	51.5	64	54-92	
2-Methylnaphthalene	80.0	1.1 U	54.6	68	47-104	
2-Methylphenol	80.0	0.26 U	45.7	57	43-80	
2-Nitroaniline	80.0	0.47 U	61.1	76	46-124	
2-Nitrophenol	80.0	0.75 U	67.2	84	58-109	
3,3'-Dichlorobenzidine	80.0	1.4 U	39.0	49	68-123	F1
3-Nitroaniline	80.0	0.96 U	50.0	63	60-117	
4,6-Dinitro-2-methylphenol	160	13 U	149	93	59-132	
4-Bromophenyl phenyl ether	80.0	0.75 U	61.5	77	57-126	
4-Chloro-3-methylphenol	80.0	0.58 U	58.7	73	58-98	
4-Chloroaniline	80.0	1.9 U	46.2	58	51-108	
4-Chlorophenyl phenyl ether	80.0	1.3 U	61.2	77	60-114	
4-Nitroaniline	80.0	0.54 U	56.3	70	48-135	
4-Nitrophenol	160	0.69 U	51.2	32	11-47	
Acenaphthene	80.0	9.1 J	67.3	73	58-107	
Acenaphthylene	80.0	0.82 U	57.3	72	61-106	
Acetophenone	80.0	0.79 U	62.8	78	54-115	
Anthracene	80.0	0.63 U	61.4	77	70-118	
Atrazine	160	1.3 U	146	91	38-146	
Benzaldehyde	160	0.59 U	119	75	46-111	
Benzo[a]anthracene	80.0	0.59 U	61.9	77	73-119	
Benzo[a]pyrene	80.0	0.41 U	55.4	69	76-125	F1
Benzo[b]fluoranthene	80.0	1.1 U	54.6	68	78-123	F1
Benzo[g,h,i]perylene	80.0	1.4 U	59.2	74	63-133	
Benzo[k]fluoranthene	80.0	0.67 U	57.8	72	71-126	
Bis(2-chloroethoxy)methane	80.0	0.24 U	60.3	75	67-104	
Bis(2-chloroethyl)ether	80.0	0.30 U	59.9	75	63-106	
Bis(2-ethylhexyl) phthalate	80.0	1.7 U	72.2	90	63-135	
Butyl benzyl phthalate	80.0	0.85 U	68.6	86	66-129	
Caprolactam	160	0.68 U	44.6	28	10-43	
Carbazole	80.0	0.68 U	59.3	74	68-121	
Chrysene	80.0	0.91 U	62.6	78	73-121	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163870.D

Lab ID: 460-191309-E-2-A MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	0.72 U	66.1	83	59-136	
Dibenzofuran	80.0	1.1 U	59.9	75	67-108	
Diethyl phthalate	80.0	0.98 U	61.9	77	61-129	
Dimethyl phthalate	80.0	0.77 U	61.6	77	65-121	
Di-n-butyl phthalate	80.0	0.84 U	63.1	79	64-130	
Di-n-octyl phthalate	80.0	4.8 U	58.7	73	64-131	
Fluoranthene	80.0	0.84 U	58.5	73	66-123	
Fluorene	80.0	0.91 U	62.3	78	67-112	
Hexachlorobenzene	80.0	0.40 U	63.3	79	63-125	
Hexachlorobutadiene	80.0	0.78 U	44.5	56	34-99	
Hexachlorocyclopentadiene	80.0	1.7 U	35.6	45	18-99	
Hexachloroethane	80.0	1.2 U	40.6	51	39-92	
Indeno[1,2,3-cd]pyrene	80.0	1.3 U	67.7	85	57-142	
Isophorone	80.0	0.80 U	62.3	78	55-105	
Naphthalene	80.0	1.1 U	51.5	64	51-98	
Nitrobenzene	80.0	0.57 U	63.4	79	56-106	
N-Nitrosodi-n-propylamine	80.0	0.43 U	63.4	79	48-118	
N-Nitrosodiphenylamine	80.0	0.89 U	60.2	75	69-118	
Pentachlorophenol	160	1.4 U	125	78	54-120	
Phenanthrene	80.0	0.58 U	59.8	75	70-117	
Phenol	80.0	0.29 U	22.9	29	16-43	
Pyrene	80.0	1.6 U	65.7	82	63-129	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163871.D

Lab ID: 460-191309-D-2-A MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	61.6	77	15	30	54-108	
2,2'-oxybis[1-chloropropane]	80.0	64.3	80	18	30	50-108	
2,4,5-Trichlorophenol	80.0	66.6	83	15	30	59-117	
2,4,6-Trichlorophenol	80.0	67.8	85	17	30	62-120	
2,4-Dichlorophenol	80.0	70.0	88	16	30	62-102	
2,4-Dimethylphenol	80.0	65.3	82	16	30	61-95	
2,4-Dinitrophenol	160	180	113	14	30	45-125	
2,4-Dinitrotoluene	80.0	76.0	95	16	30	70-123	
2,6-Dinitrotoluene	80.0	73.6	92	15	30	68-121	
2-Chloronaphthalene	80.0	60.4	76	14	30	54-105	
2-Chlorophenol	80.0	60.3	75	16	30	54-92	
2-Methylnaphthalene	80.0	63.4	79	15	30	47-104	
2-Methylphenol	80.0	54.7	68	18	30	43-80	
2-Nitroaniline	80.0	68.4	86	11	30	46-124	
2-Nitrophenol	80.0	79.7	100	17	30	58-109	
3,3'-Dichlorobenzidine	80.0	1.4 U	0	NC	30	68-123	F1
3-Nitroaniline	80.0	13.7	17	114	30	60-117	F1 F2
4,6-Dinitro-2-methylphenol	160	172	108	14	30	59-132	
4-Bromophenyl phenyl ether	80.0	71.5	89	15	30	57-126	
4-Chloro-3-methylphenol	80.0	69.0	86	16	30	58-98	
4-Chloroaniline	80.0	11.4	14	121	30	51-108	F1 F2
4-Chlorophenyl phenyl ether	80.0	72.6	91	17	30	60-114	
4-Nitroaniline	80.0	40.9	51	32	30	48-135	F2
4-Nitrophenol	160	59.3	37	15	30	11-47	
Acenaphthene	80.0	72.6	79	8	30	58-107	
Acenaphthylene	80.0	66.7	83	15	30	61-106	
Acetophenone	80.0	75.5	94	18	30	54-115	
Anthracene	80.0	70.0	87	13	30	70-118	
Atrazine	160	66.9	42	74	30	38-146	F2
Benzaldehyde	160	126	79	6	30	46-111	
Benzo[a]anthracene	80.0	72.0	90	15	30	73-119	
Benzo[a]pyrene	80.0	68.1	85	21	30	76-125	
Benzo[b]fluoranthene	80.0	69.3	87	24	30	78-123	
Benzo[g,h,i]perylene	80.0	73.5	92	21	30	63-133	
Benzo[k]fluoranthene	80.0	65.0	81	12	30	71-126	
Bis(2-chloroethoxy)methane	80.0	70.2	88	15	30	67-104	
Bis(2-chloroethyl)ether	80.0	72.2	90	19	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	84.9	106	16	30	63-135	
Butyl benzyl phthalate	80.0	78.5	98	13	30	66-129	
Caprolactam	160	34.5	22	25	30	10-43	
Carbazole	80.0	64.2	80	8	30	68-121	
Chrysene	80.0	73.7	92	16	30	73-121	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163871.D

Lab ID: 460-191309-D-2-A MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	84.1	105	24	30	59-136	
Dibenzofuran	80.0	69.0	86	14	30	67-108	
Diethyl phthalate	80.0	73.4	92	17	30	61-129	
Dimethyl phthalate	80.0	72.2	90	16	30	65-121	
Di-n-butyl phthalate	80.0	74.1	93	16	30	64-130	
Di-n-octyl phthalate	80.0	66.0	82	12	30	64-131	
Fluoranthene	80.0	67.0	84	14	30	66-123	
Fluorene	80.0	71.6	90	14	30	67-112	
Hexachlorobenzene	80.0	74.5	93	16	30	63-125	
Hexachlorobutadiene	80.0	49.0	61	10	30	34-99	
Hexachlorocyclopentadiene	80.0	44.4	56	22	30	18-99	
Hexachloroethane	80.0	45.5	57	11	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	79.2	99	16	30	57-142	
Isophorone	80.0	73.6	92	17	30	55-105	
Naphthalene	80.0	60.1	75	15	30	51-98	
Nitrobenzene	80.0	77.2	96	20	30	56-106	
N-Nitrosodi-n-propylamine	80.0	75.4	94	17	30	48-118	
N-Nitrosodiphenylamine	80.0	63.9	80	6	30	69-118	
Pentachlorophenol	160	148	92	16	30	54-120	
Phenanthrene	80.0	69.2	87	15	30	70-117	
Phenol	80.0	24.7	31	8	30	16-43	
Pyrene	80.0	75.0	94	13	30	63-129	

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.: 460-191322-1

SDG No.:

Lab File ID: A163857.D Lab Sample ID: MB 460-639442/1-A

Matrix: Water Date Extracted: 09/15/2019 07:46

Instrument ID: CBNAMS16 Date Analyzed: 09/15/2019 19:14

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-639442/2-A	A163858.D	09/15/2019 19:34
	LCSD 460-639442/3-A	A163859.D	09/15/2019 19:57
	LCS 460-639442/4-A	A163860.D	09/15/2019 20:18
	LCSD 460-639442/5-A	A163861.D	09/15/2019 20:39
	460-191309-E-2-A MS	A163870.D	09/15/2019 23:48
	460-191309-D-2-A MSD	A163871.D	09/16/2019 00:09
MW-3D 091219	460-191322-1	A163884.D	09/16/2019 04:41
MW-20D 091219	460-191322-2	A163885.D	09/16/2019 05:02

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab File ID: A163568.D DFTPP Injection Date: 09/04/2019

Instrument ID: CBNAMS16 DFTPP Injection Time: 10:47

Analysis Batch No.: 636864

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	38.1	
68	Less than 2% of mass 69	0.6	(1.5) 1
69	Mass 69 Relative abundance	38.9	
70	Less than 2% of mass 69	0.2	(0.6) 1
127	10-80% of Base Peak	53.8	
197	Less than 2% of mass 198	0.3	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	23.1	
365	Greater than 1% of mass 198	2.3	
441	present but less than 24% of mass 442	10.9	(15.2) 2
442	Greater than 50% of mass 198	71.7	
443	15-24% of mass 442	13.0	(18.1) 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 460-636864/2	A163569.D	09/04/2019	11:06
	STD24 460-636864/3	A163570.D	09/04/2019	11:29
	STD16 460-636864/4	A163571.D	09/04/2019	11:50
	STD4 460-636864/5	A163572.D	09/04/2019	12:12
	STD2 460-636864/6	A163573.D	09/04/2019	12:33
	STD1 460-636864/7	A163574.D	09/04/2019	12:54
	STD02 460-636864/8	A163575.D	09/04/2019	13:16
	STD01 460-636864/9	A163576.D	09/04/2019	13:37
	STD10 460-636864/10	A163577.D	09/04/2019	13:58
	STD24 460-636864/11	A163578.D	09/04/2019	14:19
	STD16 460-636864/12	A163579.D	09/04/2019	14:40
	STD4 460-636864/13	A163580.D	09/04/2019	15:01
	STD2 460-636864/14	A163581.D	09/04/2019	15:22
	STD1 460-636864/15	A163582.D	09/04/2019	15:43
	STD02 460-636864/16	A163583.D	09/04/2019	16:05

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab File ID: A163853.D DFTPP Injection Date: 09/15/2019

Instrument ID: CBNAMS16 DFTPP Injection Time: 17:38

Analysis Batch No.: 639497

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	36.4	
68	Less than 2% of mass 69	0.6	(1.5) 1
69	Mass 69 Relative abundance	38.8	
70	Less than 2% of mass 69	0.1	(0.3) 1
127	10-80% of Base Peak	52.6	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	24.1	
365	Greater than 1% of mass 198	3.2	
441	present but less than 24% of mass 442	11.1	(14.5) 2
442	Greater than 50% of mass 198	76.3	
443	15-24% of mass 442	14.3	(18.8) 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 460-639497/2	A163854.D	09/15/2019	17:55
	CCV 460-639497/3	A163855.D	09/15/2019	18:21
	MB 460-639442/1-A	A163857.D	09/15/2019	19:14
	LCS 460-639442/2-A	A163858.D	09/15/2019	19:34
	LCSD 460-639442/3-A	A163859.D	09/15/2019	19:57
	LCS 460-639442/4-A	A163860.D	09/15/2019	20:18
	LCSD 460-639442/5-A	A163861.D	09/15/2019	20:39
	460-191309-E-2-A MS	A163870.D	09/15/2019	23:48
	460-191309-D-2-A MSD	A163871.D	09/16/2019	00:09
MW-3D 091219	460-191322-1	A163884.D	09/16/2019	04:41
MW-20D 091219	460-191322-2	A163885.D	09/16/2019	05:02

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Sample No.: CCVIS 460-639497/2 Date Analyzed: 09/15/2019 17:55

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

Lab File ID (Standard): A163854.D Heated Purge: (Y/N) N

Calibration ID: 76436

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1008603	4.46	3983585	5.67	1899215	7.33
UPPER LIMIT		2017206	4.96	7967170	6.17	3798430	7.83
LOWER LIMIT		504302	3.96	1991793	5.17	949608	6.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-639497/3		919488	4.46	3760867	5.66	1806952	7.32
MB 460-639442/1-A		1143531	4.46	4621068	5.66	2320406	7.32
LCS 460-639442/2-A		1225933	4.46	4925139	5.67	2423714	7.33
LCSD 460-639442/3-A		1041043	4.46	4201596	5.67	2109908	7.33
LCS 460-639442/4-A		1333604	4.46	5545902	5.66	2817423	7.32
LCSD 460-639442/5-A		1252096	4.46	5178728	5.66	2635999	7.32
460-191309-E-2-A MS		1153081	4.46	4596648	5.67	2297059	7.33
460-191309-D-2-A MSD		972900	4.46	3923996	5.67	2004060	7.33
460-191322-1	MW-3D 091219	1005923	4.46	4145542	5.66	2096350	7.32
460-191322-2	MW-20D 091219	1144299	4.46	4586349	5.66	2270643	7.32

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.: 460-191322-1

SDG No.:

Sample No.: CCVIS 460-639497/2 Date Analyzed: 09/15/2019 17:55

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

Lab File ID (Standard): A163854.D Heated Purge: (Y/N) N

Calibration ID: 76436

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		3034244	8.73	1673552	11.35	1490570	13.22
UPPER LIMIT		6068488	9.23	3347104	11.85	2981140	13.72
LOWER LIMIT		1517122	8.23	836776	10.85	745285	12.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-639497/3		3101555	8.72	1997468	11.34	1657716	13.22
MB 460-639442/1-A		3882221	8.72	2266665	11.33	2160028	13.22
LCS 460-639442/2-A		3800939	8.72	2095486	11.34	2006096	13.22
LCSD 460-639442/3-A		3406642	8.72	1916476	11.34	2038646	13.22
LCS 460-639442/4-A		4685421	8.72	2610159	11.34	2427690	13.22
LCSD 460-639442/5-A		4420346	8.72	2520116	11.33	2335008	13.22
460-191309-E-2-A MS		3608157	8.72	1919211	11.34	2190756	13.22
460-191309-D-2-A MSD		3206384	8.72	1746878	11.34	2148897	13.22
460-191322-1	MW-3D 091219	3342682	8.72	1928401	11.33	2561443	13.22
460-191322-2	MW-20D 091219	3616412	8.72	2035506	11.33	2527189	13.22

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.: 460-191322-1

SDG No.:

Client Sample ID: MW-3D 091219 Lab Sample ID: 460-191322-1

Matrix: Water Lab File ID: A163884.D

Analysis Method: 8270D Date Collected: 09/12/2019 08:25

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 04:41

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: MW-3D 091219 Lab Sample ID: 460-191322-1

Matrix: Water Lab File ID: A163884.D

Analysis Method: 8270D Date Collected: 09/12/2019 08:25

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 04:41

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: MW-3D 091219 Lab Sample ID: 460-191322-1

Matrix: Water Lab File ID: A163884.D

Analysis Method: 8270D Date Collected: 09/12/2019 08:25

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 04:41

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		26-139
321-60-8	2-Fluorobiphenyl	63		45-107
367-12-4	2-Fluorophenol (Surr)	34		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	73		51-108
4165-62-2	Phenol-d5 (Surr)	24		14-39
1718-51-0	Terphenyl-d14 (Surr)	73		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D
Lims ID: 460-191322-F-1-A
Client ID: MW-3D 091219
Sample Type: Client
Inject. Date: 16-Sep-2019 04:41:30 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-032
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:47:58 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: croccom Date: 16-Sep-2019 08:44:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.263	3.281	-0.018	97	613520	3.42	
$ 6 Phenol-d5	99	4.128	4.145	-0.017	0	494022	2.37	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	1005923	8.00	
$ 27 Nitrobenzene-d5	82	4.975	4.987	-0.012	87	1308373	7.31	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	4145542	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.692	-0.005	98	2528263	6.30	
* 64 Acenaphthene-d10	164	7.322	7.322	0.000	95	2096350	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	306781	8.16	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	3342682	8.00	
$ 96 Terphenyl-d14	244	10.227	10.227	0.000	100	2015449	7.25	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1928401	8.00	
* 109 Perylene-d12	264	13.221	13.222	-0.001	98	2561443	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

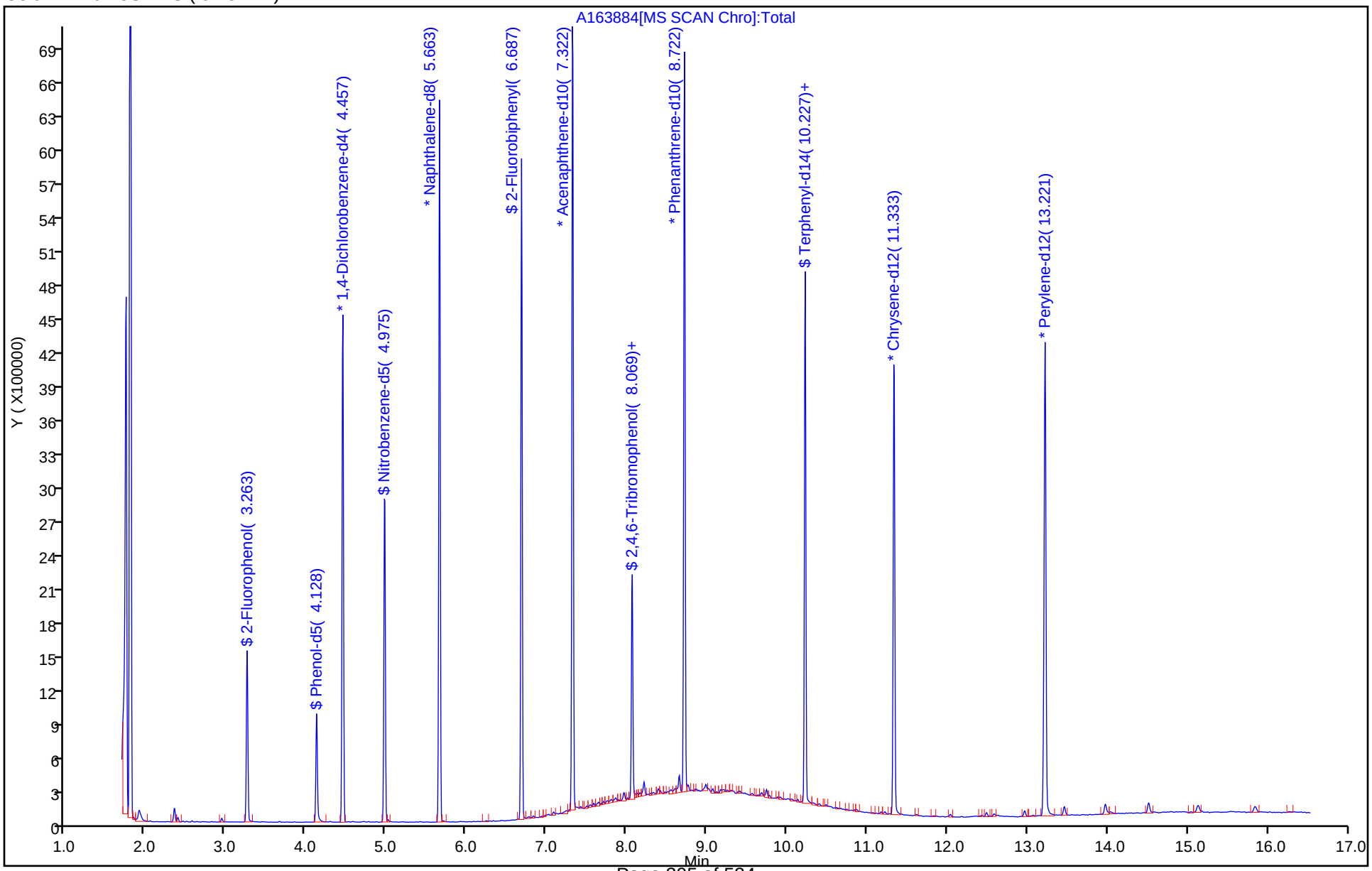
Report Date: 16-Sep-2019 08:50:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D

Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1	Worklist Smp#:	32
Client ID:	MW-3D 091219				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



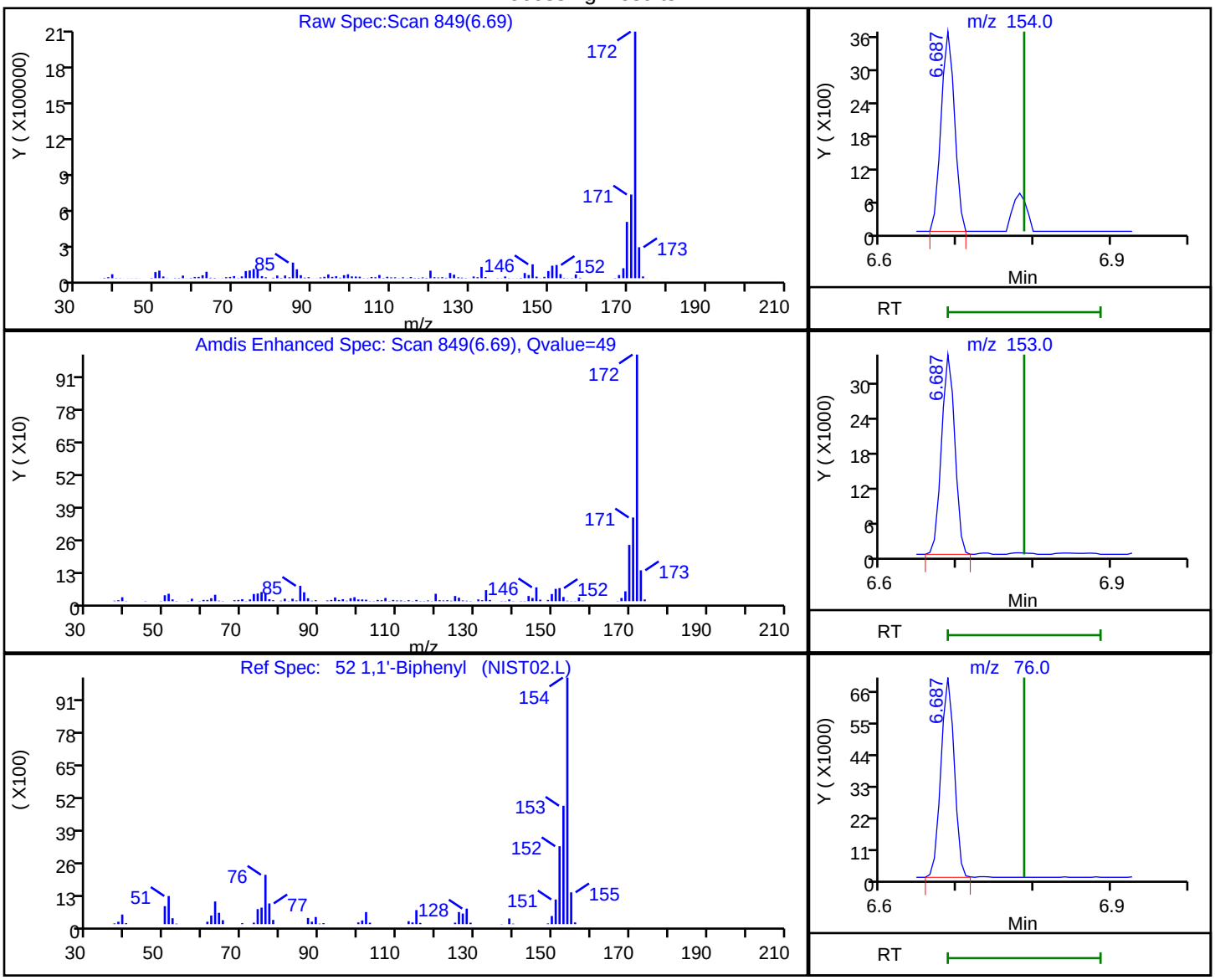
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.69	154.00	4475	0.010022
6.69	153.00	41959	
6.69	76.00	84872	

Reviewer: croccom, 16-Sep-2019 08:43:06

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

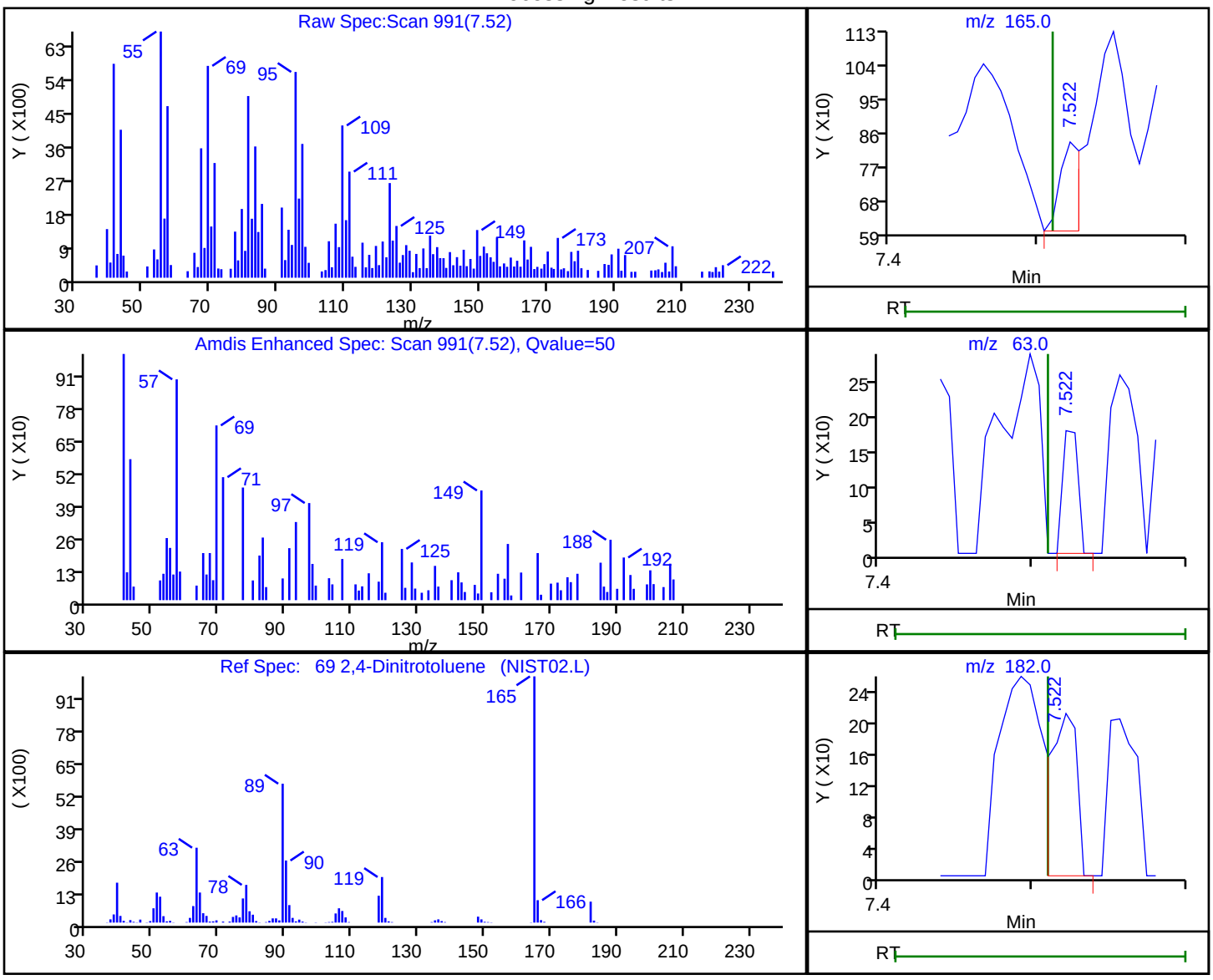
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
7.52	165.00	229	0.092801
7.52	63.00	123	
7.52	182.00	257	

Reviewer: croccom, 16-Sep-2019 08:43:14

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

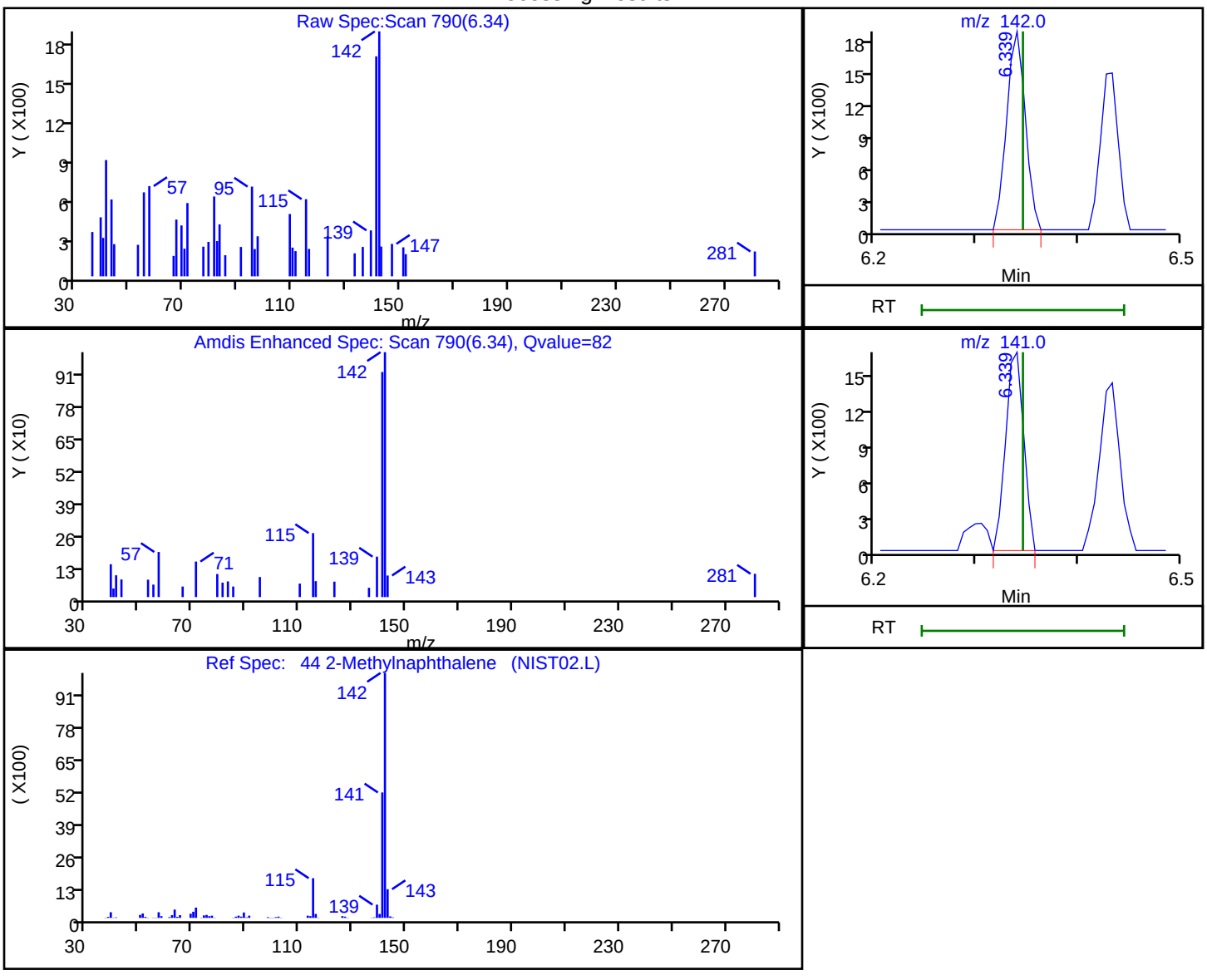
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
6.34	142.00	2348	0.006888
6.34	141.00	2041	

Reviewer: croccom, 16-Sep-2019 08:43:04

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

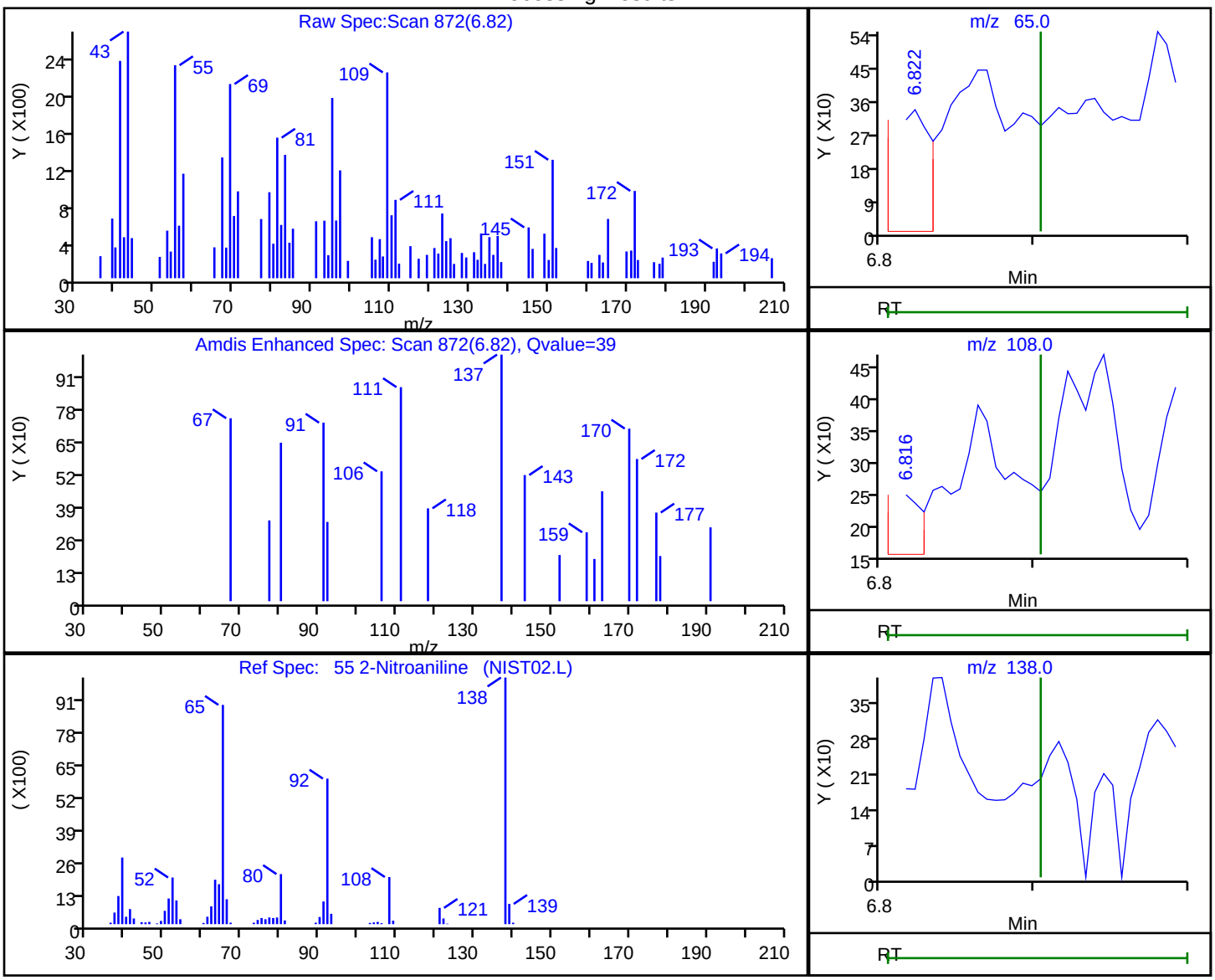
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

55 2-Nitroaniline, CAS: 88-74-4

Processing Results



RT	Mass	Response	Amount
6.82	65.00	491	0.004807
6.82	108.00	104	
6.81	138.00	324	

Reviewer: croccom, 16-Sep-2019 08:43:07

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

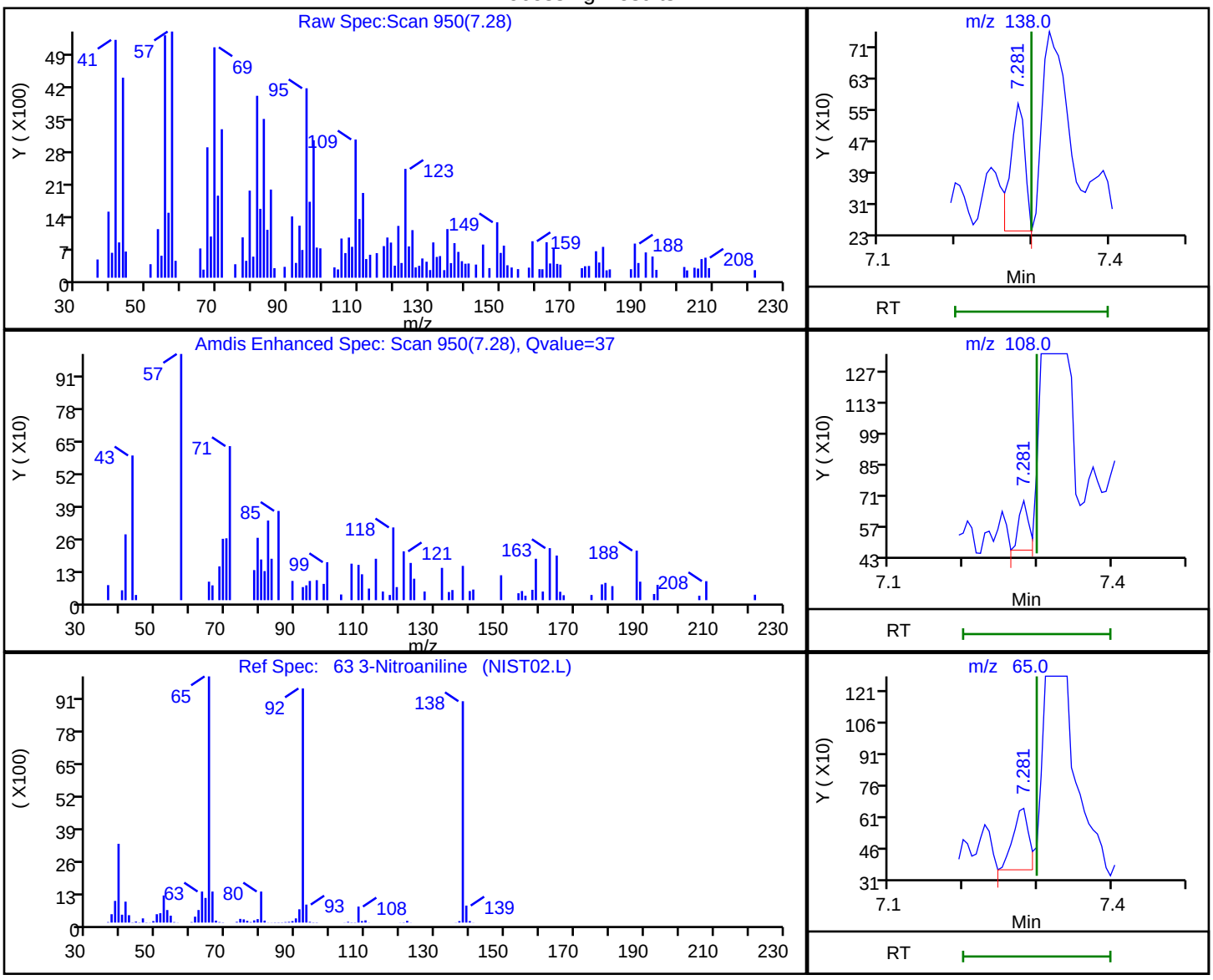
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.28	138.00	433	0.004772
7.28	108.00	211	
7.28	65.00	441	

Reviewer: croccom, 16-Sep-2019 08:43:11

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

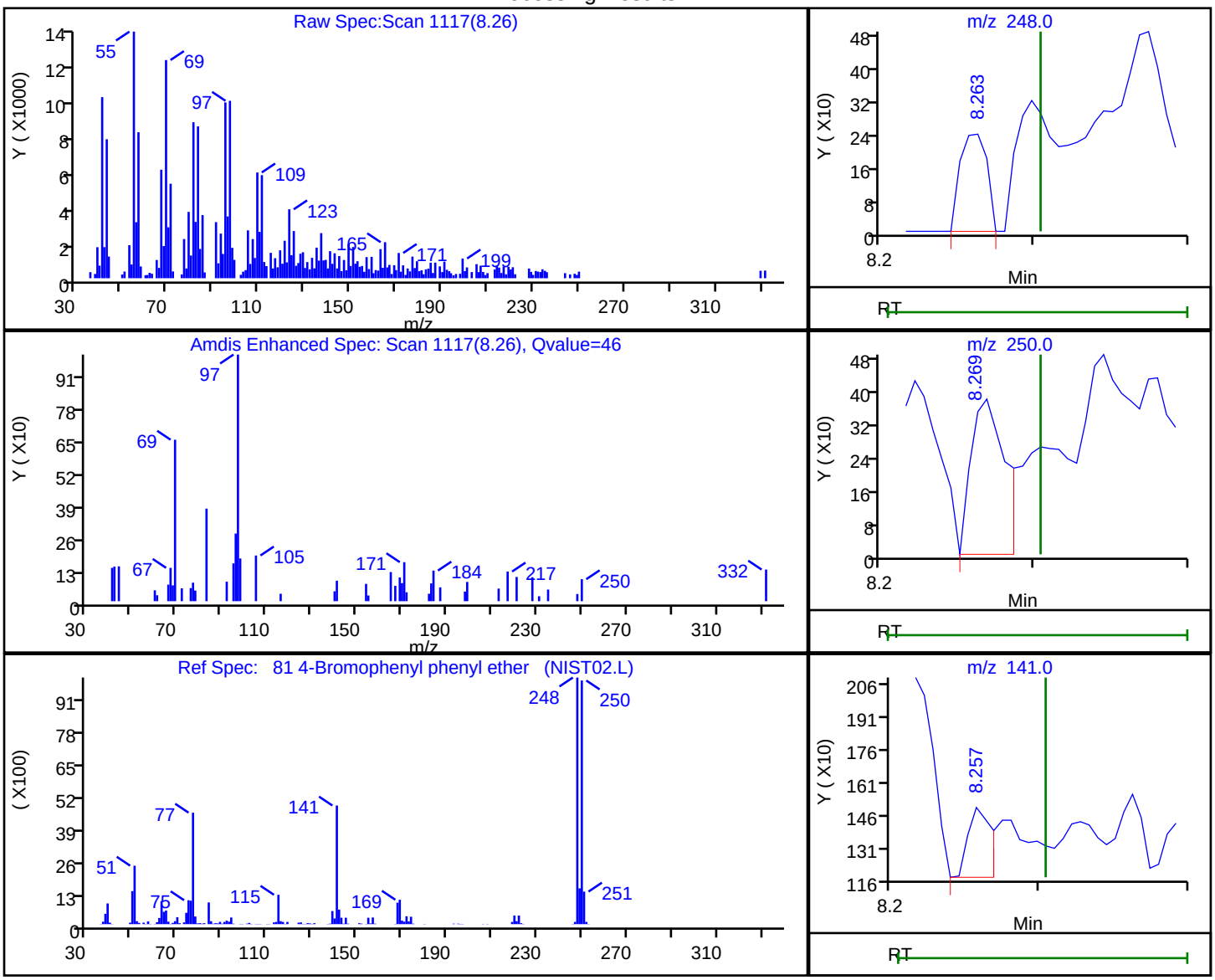
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

81 4-Bromophenyl phenyl ether, CAS: 101-55-3

Processing Results



RT	Mass	Response	Amount
8.26	248.00	286	0.003275
8.27	250.00	593	
8.26	141.00	357	

Reviewer: croccom, 16-Sep-2019 08:43:23

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

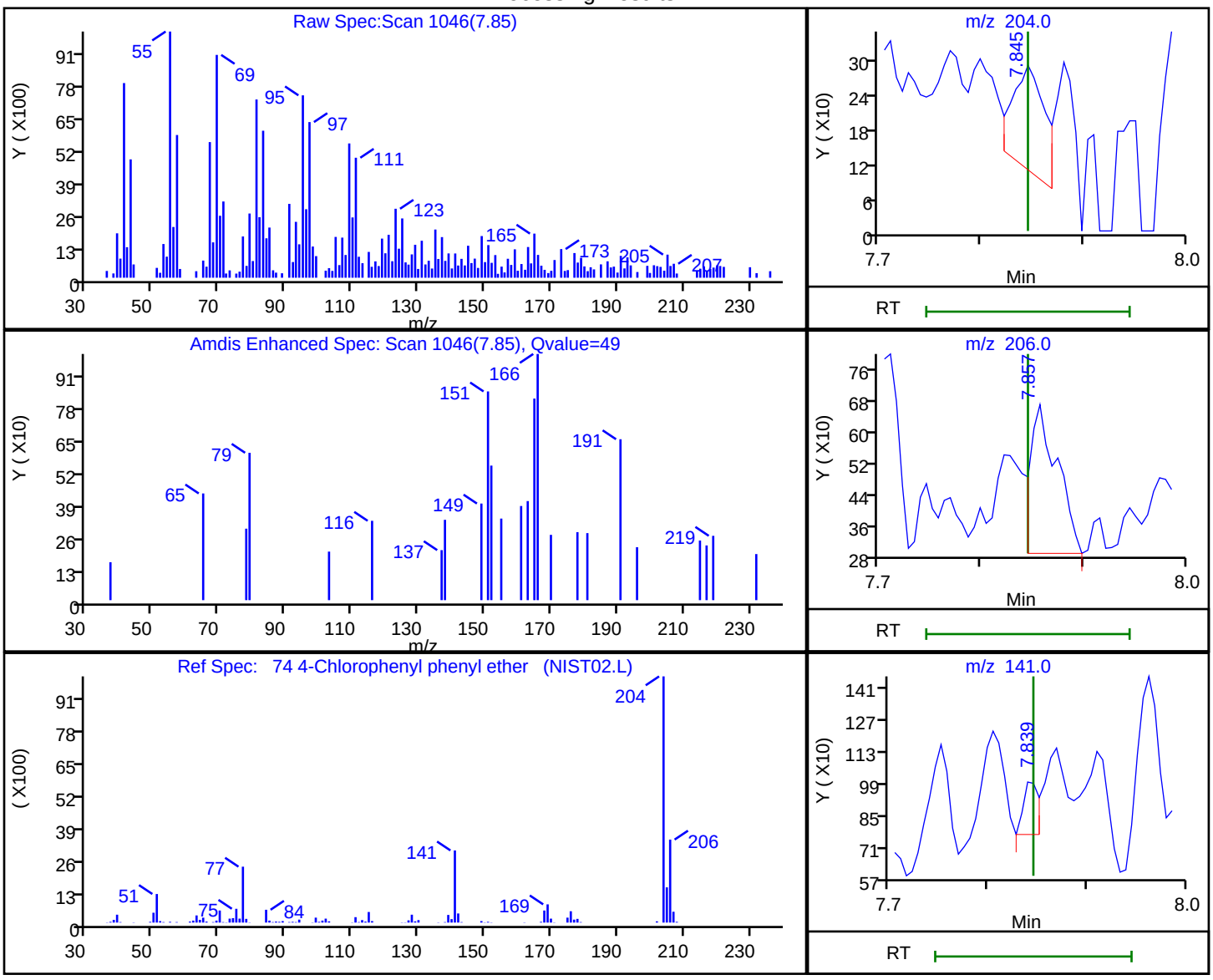
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 4-Chlorophenyl phenyl ether, CAS: 7005-72-3

Processing Results



RT	Mass	Response	Amount
7.85	204.00	401	0.002758
7.86	206.00	706	
7.84	141.00	251	

Reviewer: croccom, 16-Sep-2019 08:43:17

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

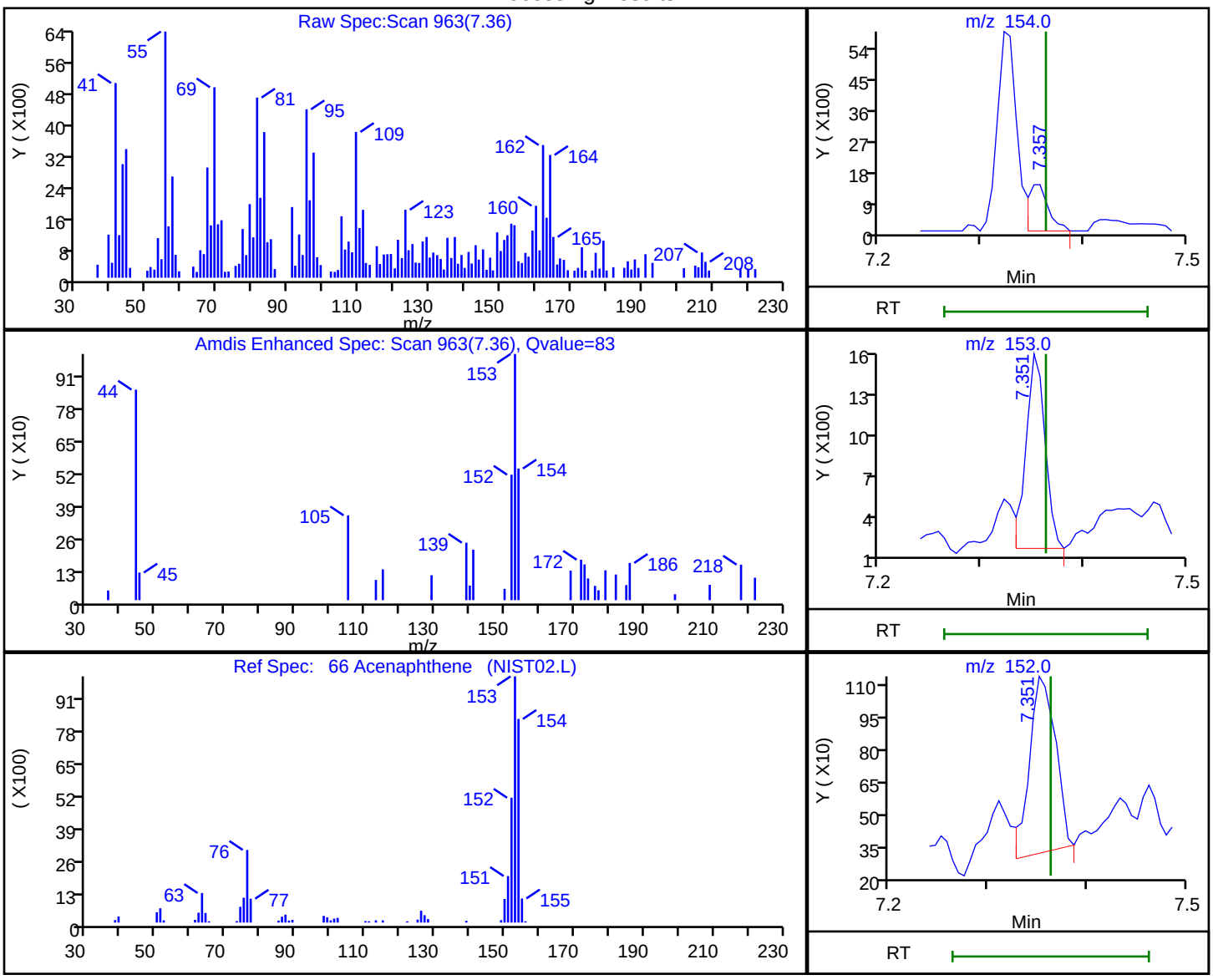
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.36	154.00	1862	0.005621
7.35	153.00	1734	
7.35	152.00	1528	

Reviewer: croccom, 16-Sep-2019 08:43:12

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

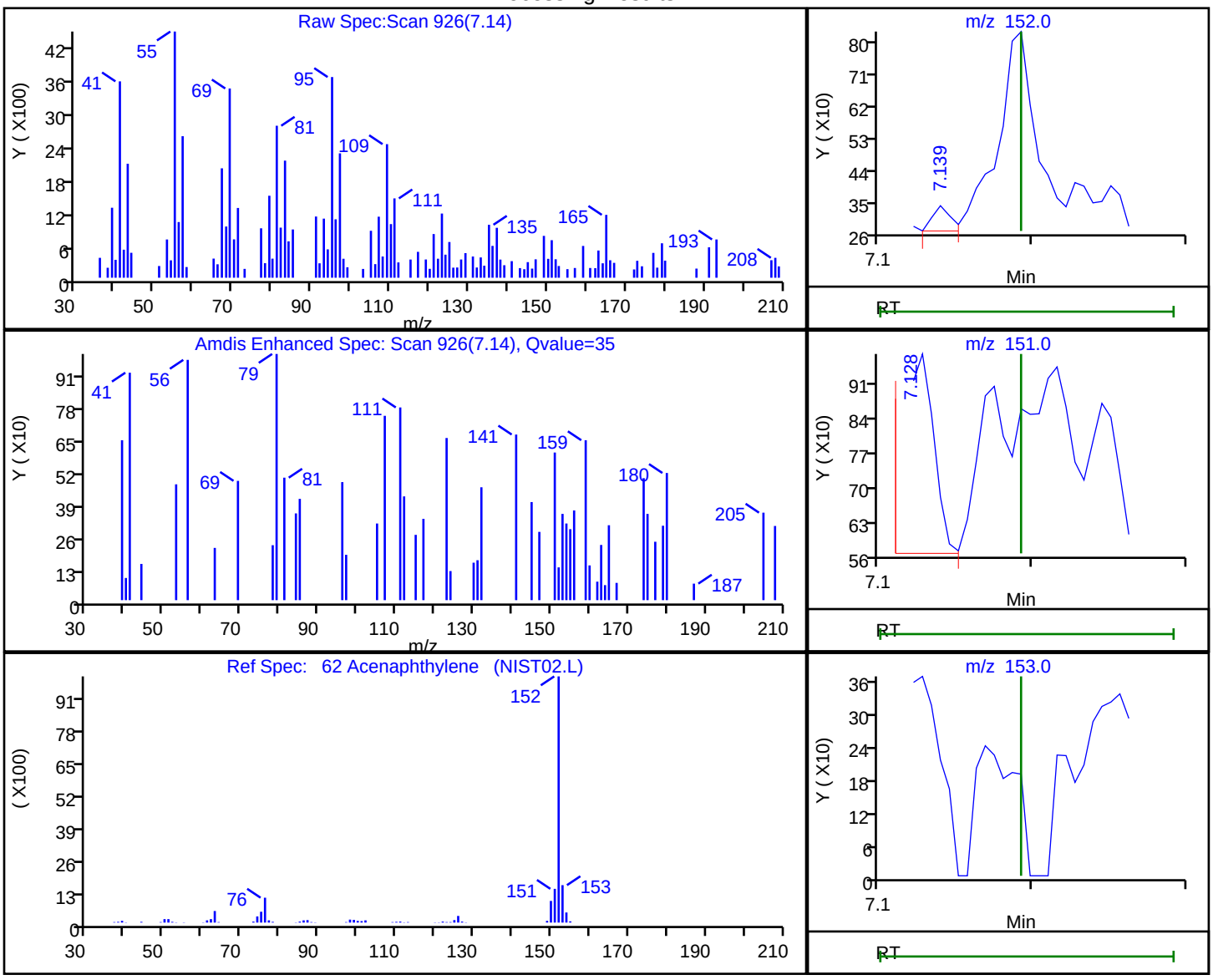
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

62 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
7.14	152.00	60	0.000117
7.13	151.00	461	
7.13	153.00	756	

Reviewer: croccom, 16-Sep-2019 08:43:09

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

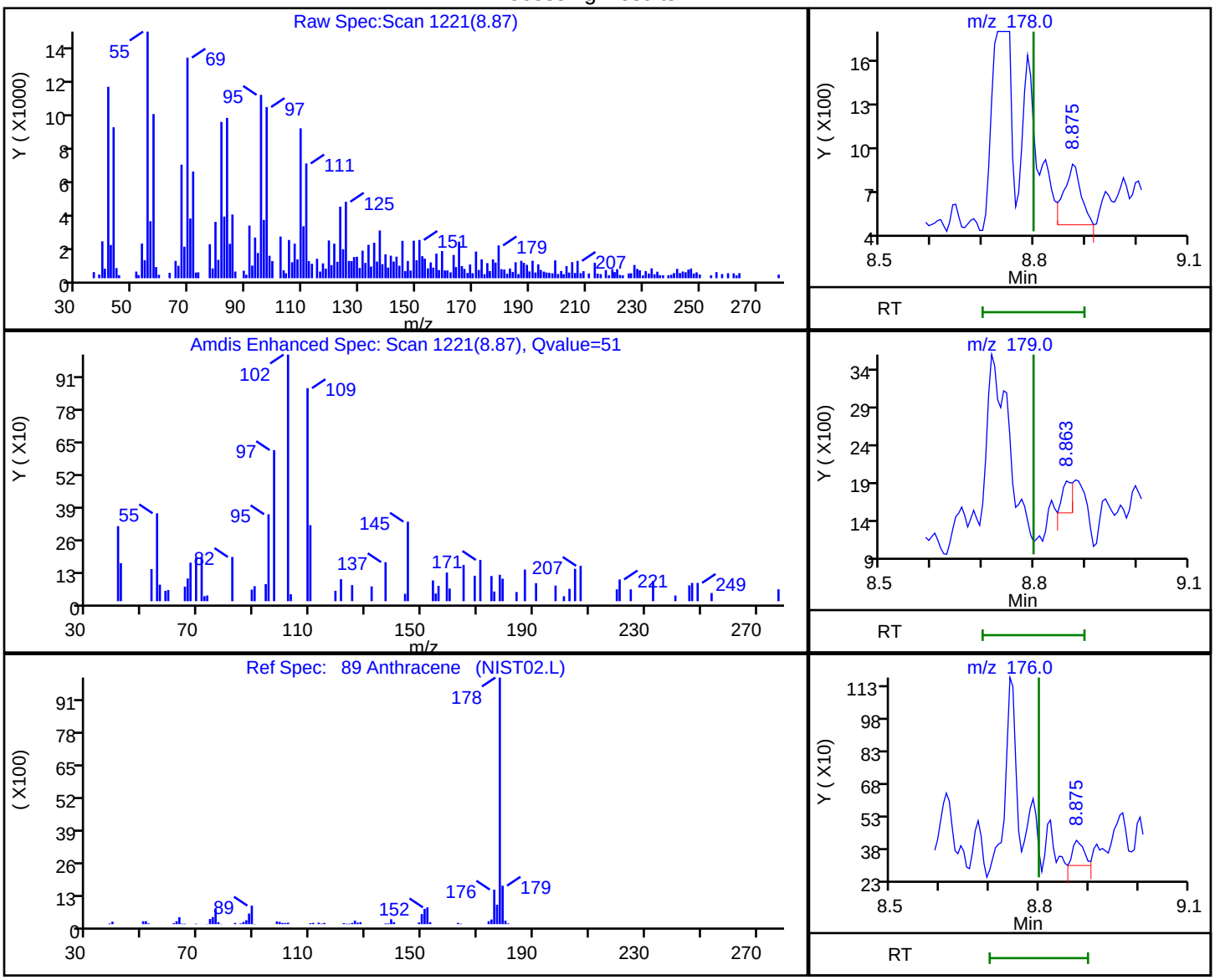
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.87	178.00	937	0.001892
8.86	179.00	589	
8.87	176.00	183	

Reviewer: croccom, 16-Sep-2019 08:43:38

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

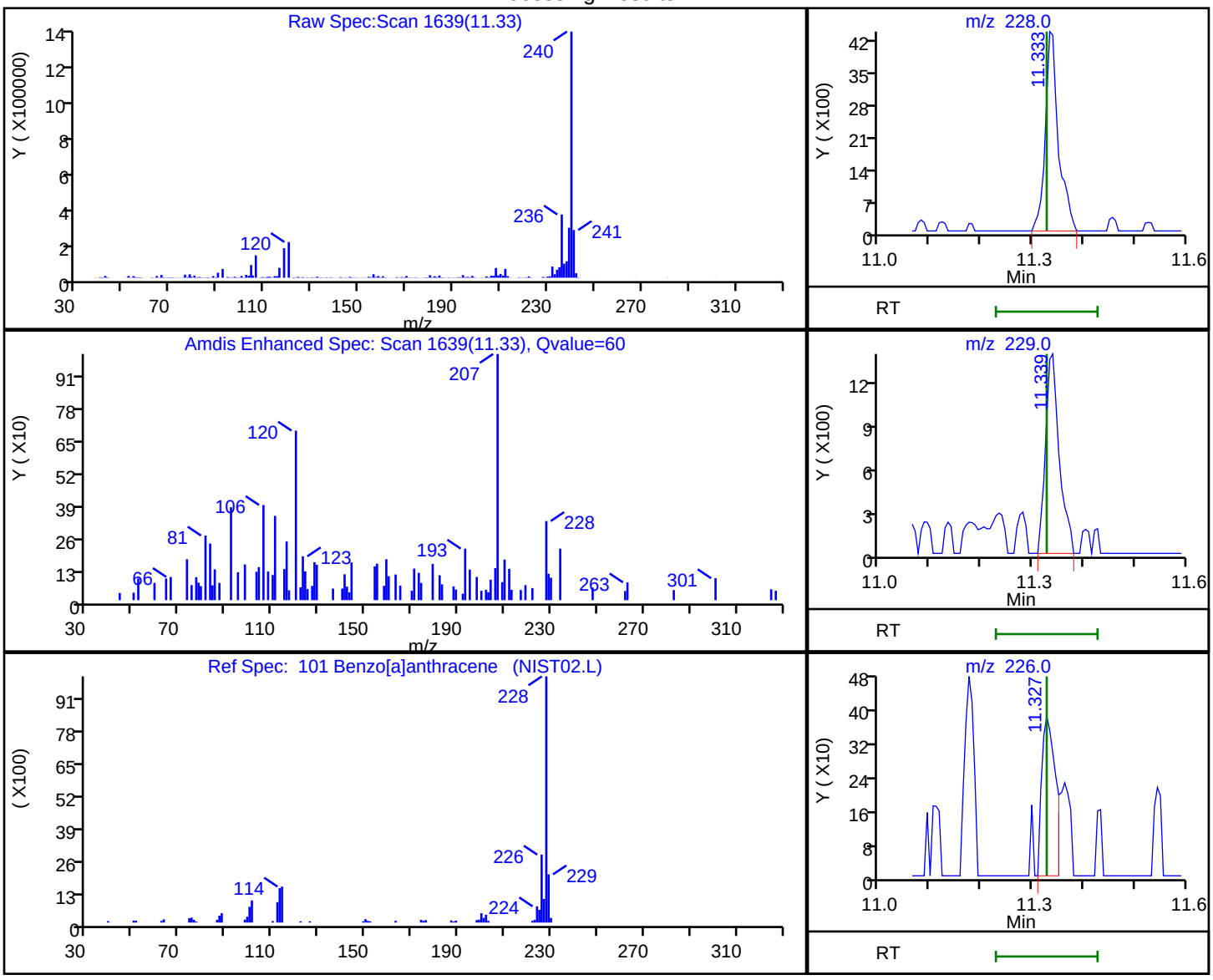
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
11.33	228.00	7834	0.024042
11.34	229.00	2596	
11.33	226.00	704	

Reviewer: croccom, 16-Sep-2019 08:43:55

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

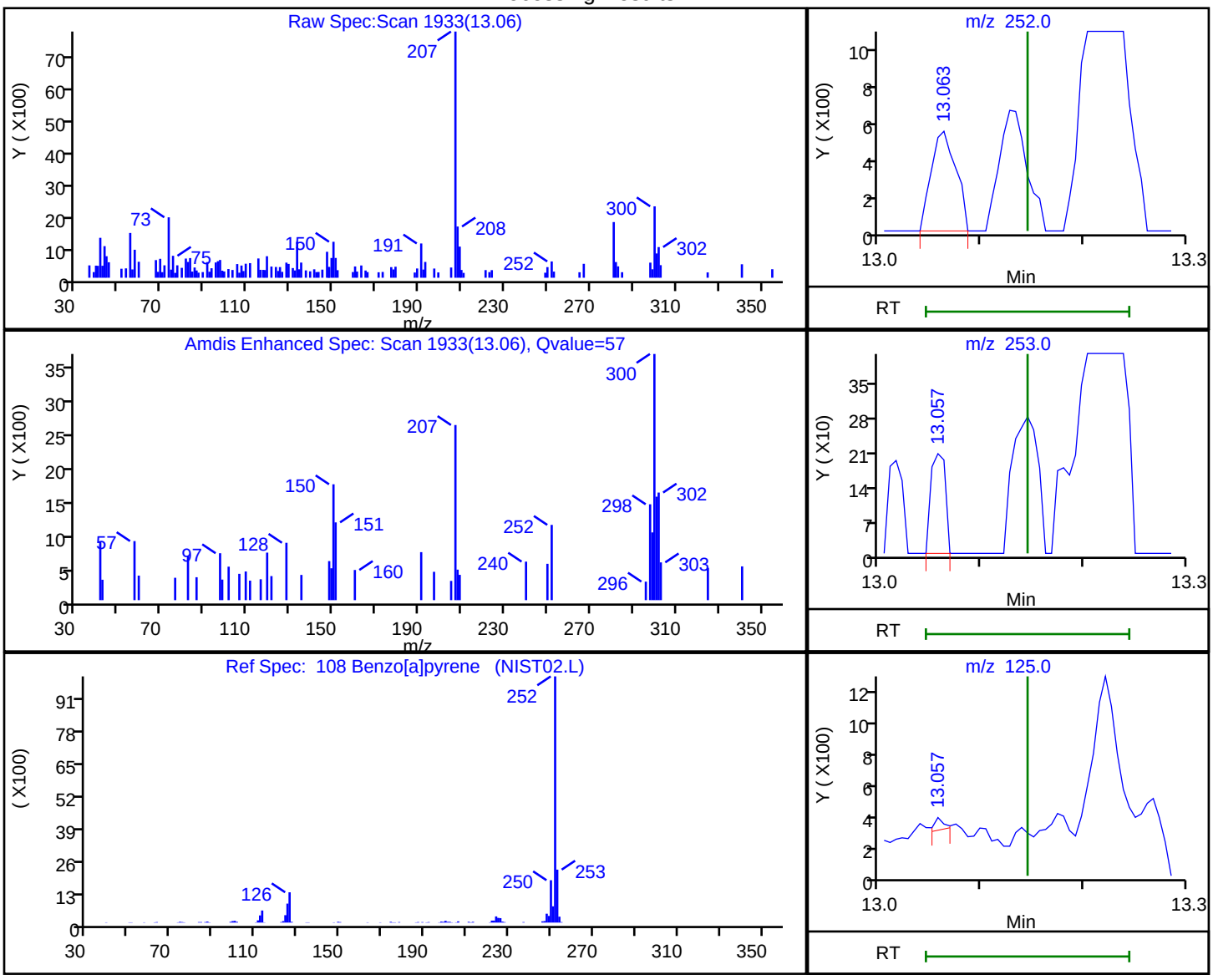
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.06	252.00	863	0.002377
13.06	253.00	203	
13.06	125.00	53	

Reviewer: croccom, 16-Sep-2019 08:44:02

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

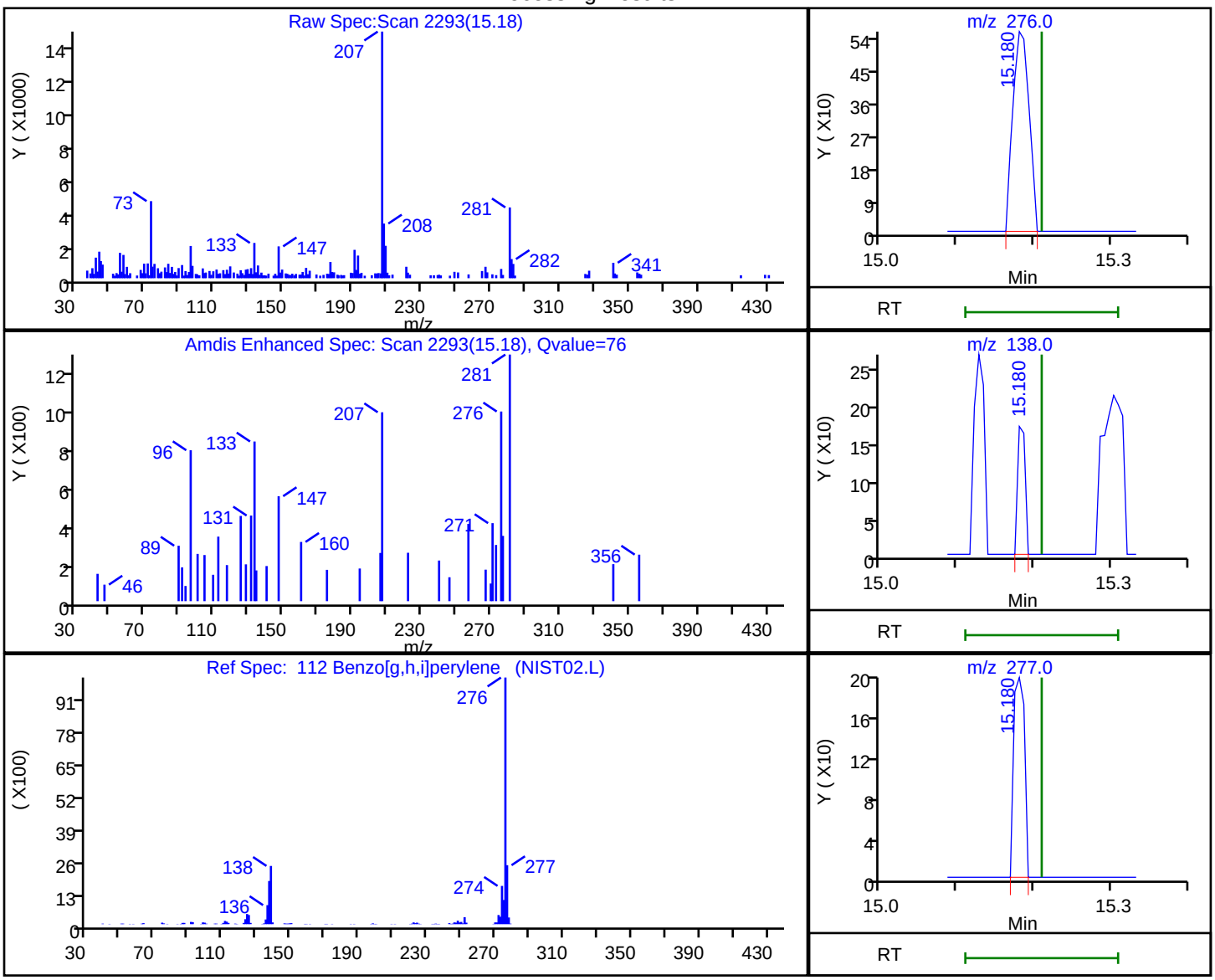
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
15.18	276.00	817	0.001881
15.18	138.00	116	
15.18	277.00	193	

Reviewer: croccom, 16-Sep-2019 08:44:04

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

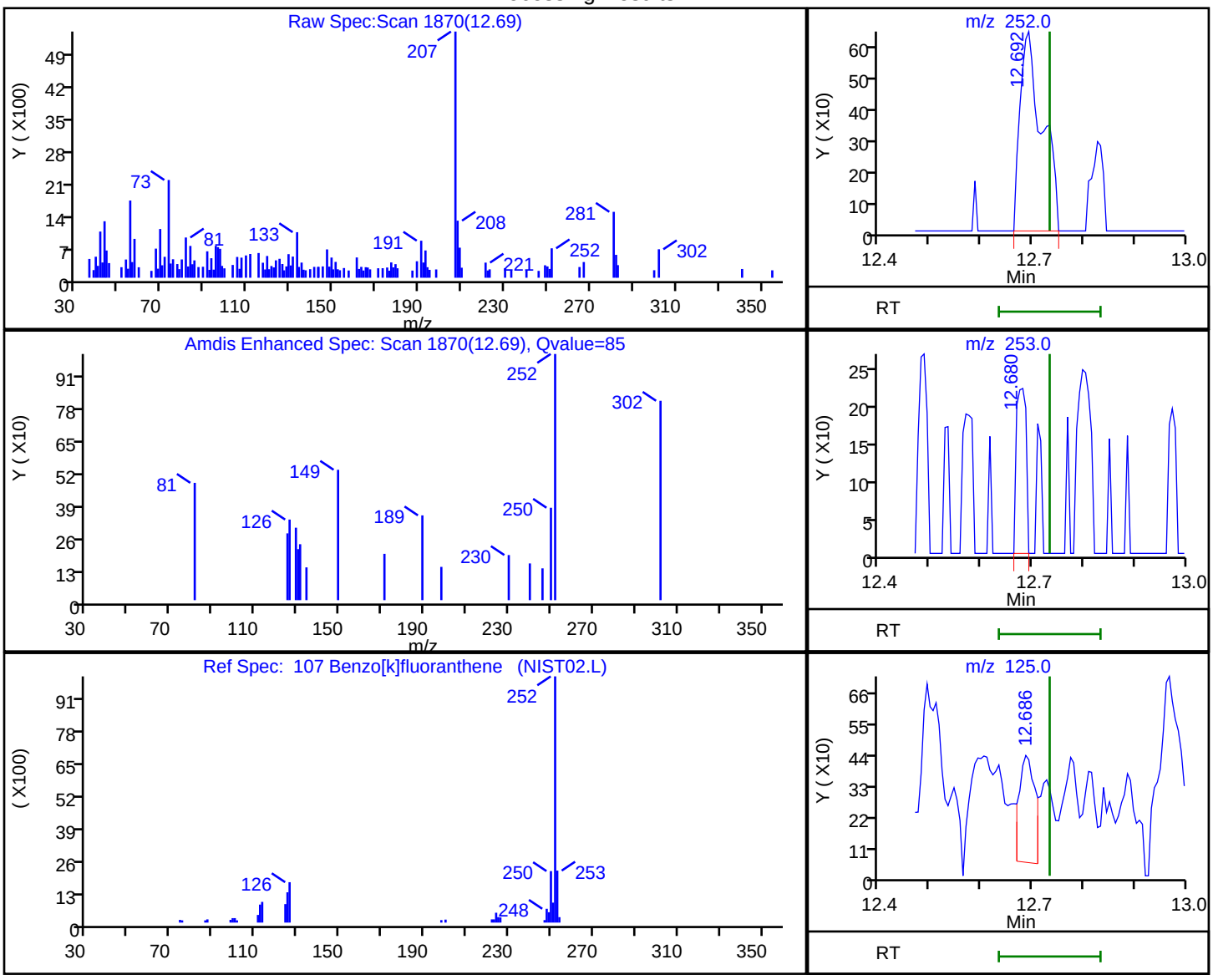
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
12.69	252.00	1923	0.004703
12.68	253.00	293	
12.69	125.00	831	

Reviewer: croccom, 16-Sep-2019 08:44:01

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

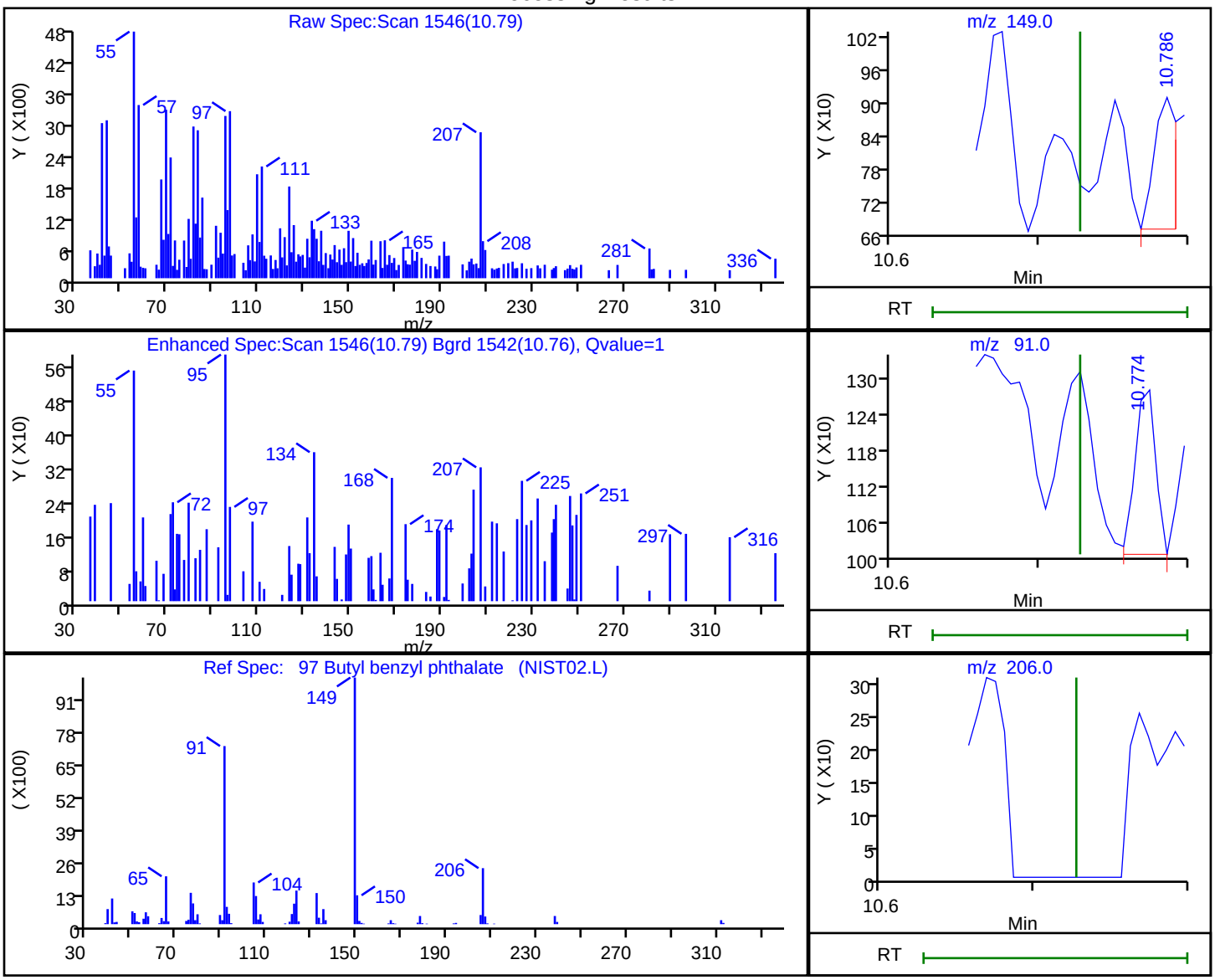
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
10.79	149.00	249	0.001429
10.77	91.00	267	
10.79	206.00	396	

Reviewer: croccom, 16-Sep-2019 08:43:53

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

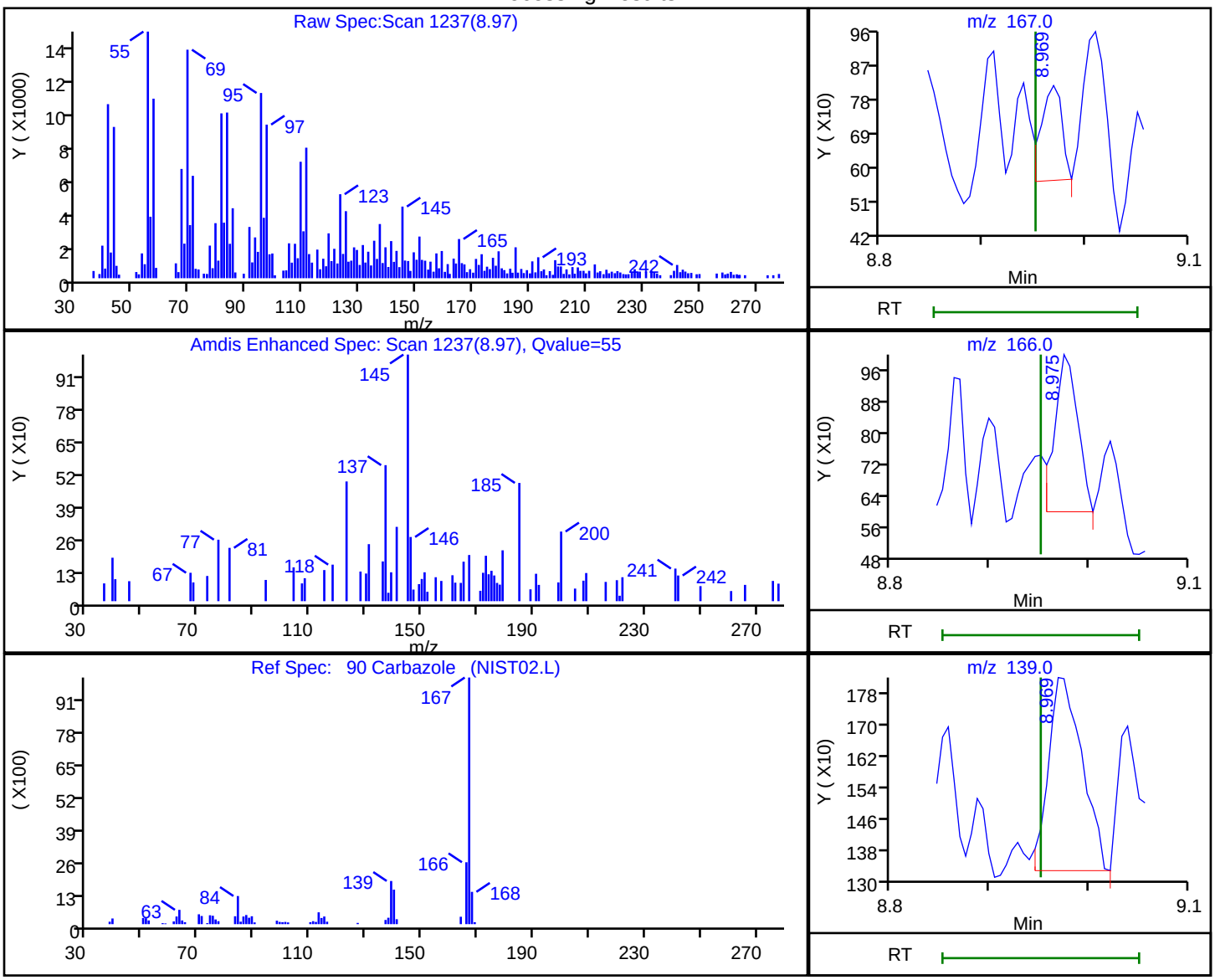
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Carbazole, CAS: 86-74-8

Processing Results



RT	Mass	Response	Amount
8.97	167.00	358	0.000812
8.97	166.00	655	
8.97	139.00	1168	

Reviewer: croccom, 16-Sep-2019 08:43:46

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

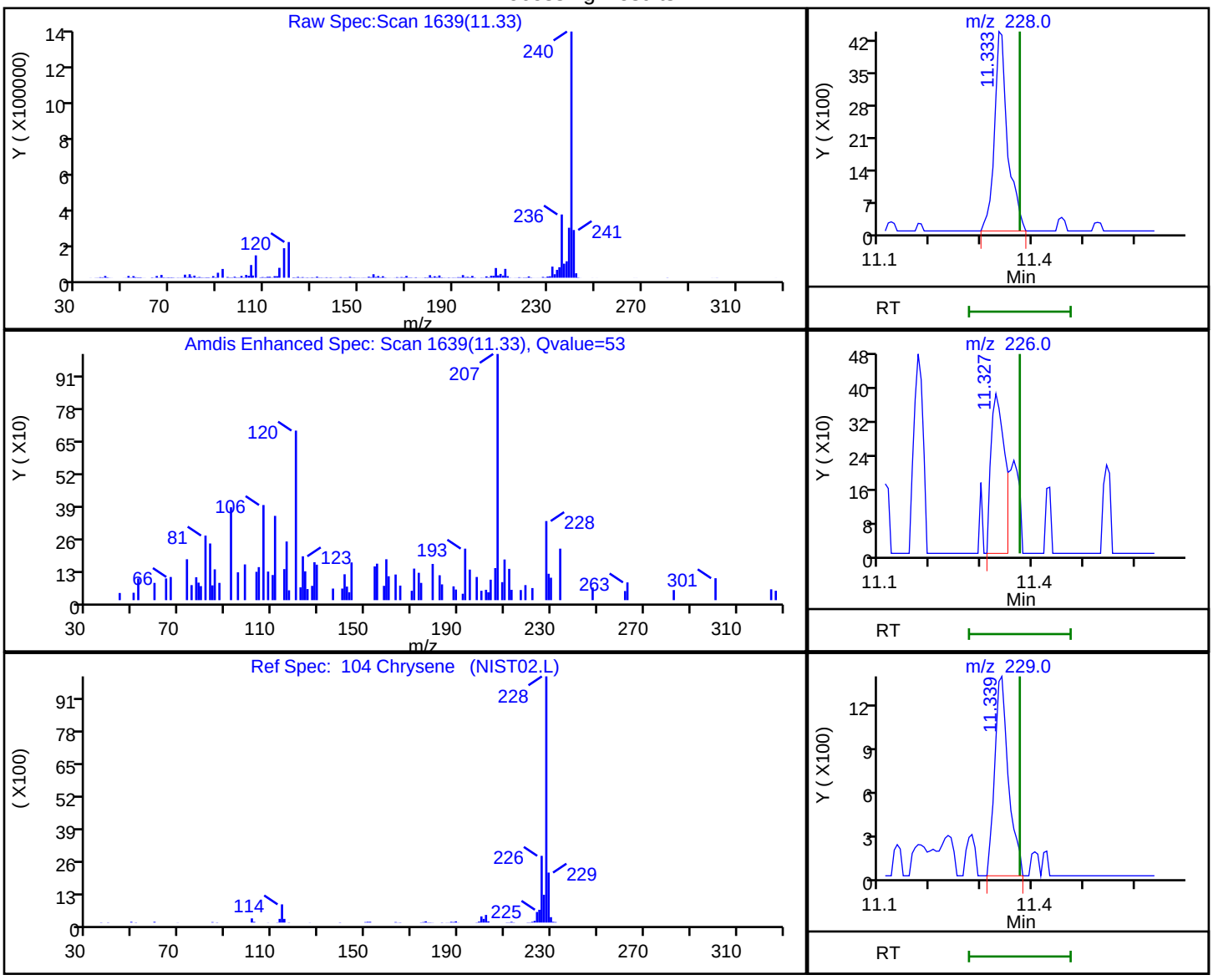
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.33	228.00	7834	0.025735
11.33	226.00	704	
11.34	229.00	2596	

Reviewer: croccom, 16-Sep-2019 08:43:57

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

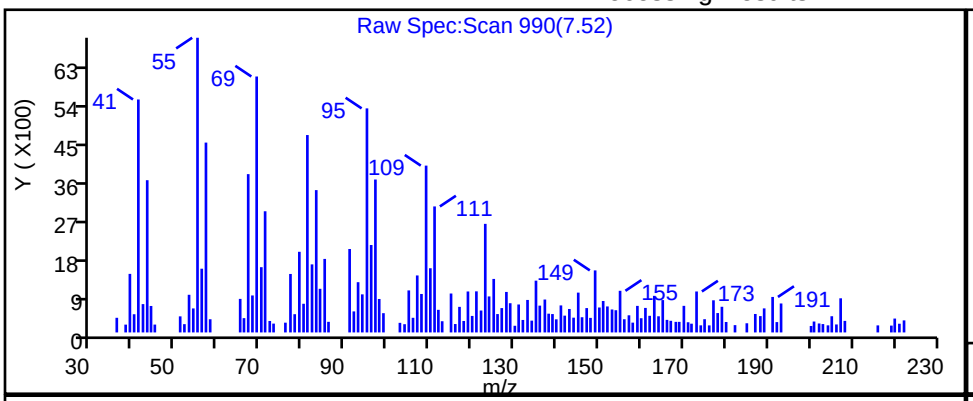
User Disabled Compound Report

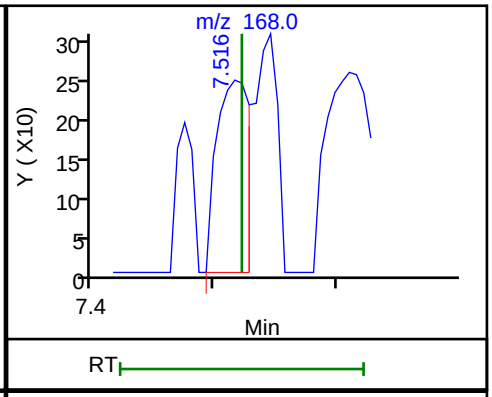
Eurofins TestAmerica, Edison

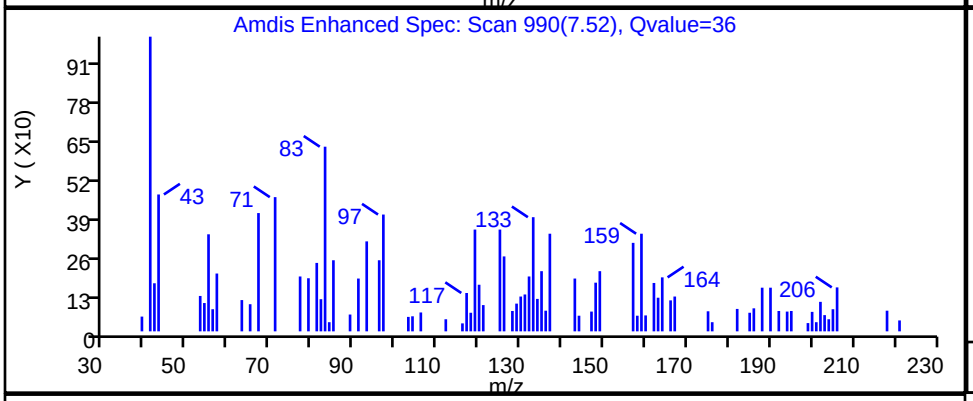
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

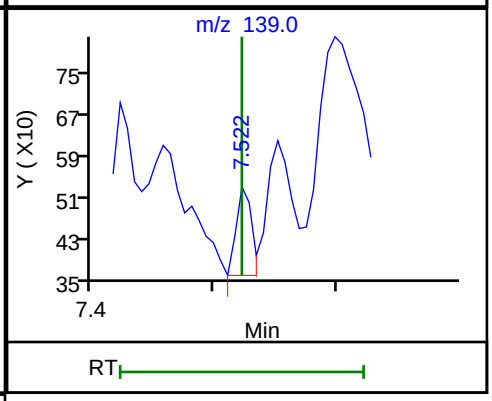
70 Dibenzofuran, CAS: 132-64-9

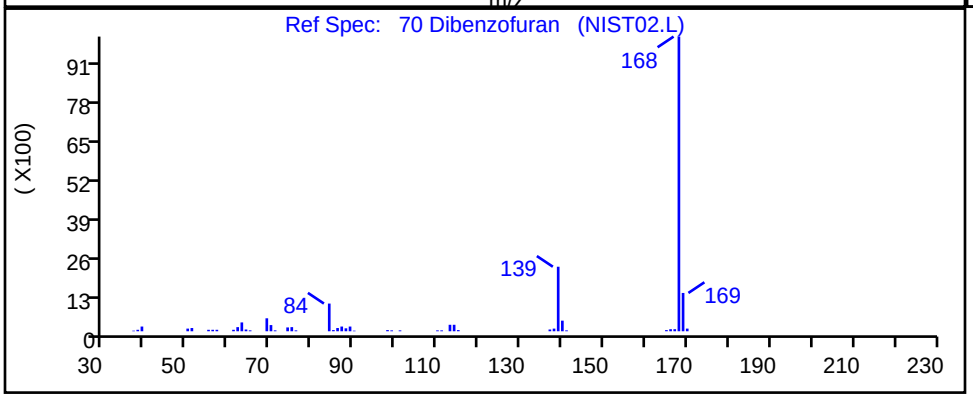
Processing Results











RT	Mass	Response	Amount
7.52	168.00	460	0.001045
7.52	139.00	149	

Reviewer: croccom, 16-Sep-2019 08:43:15

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

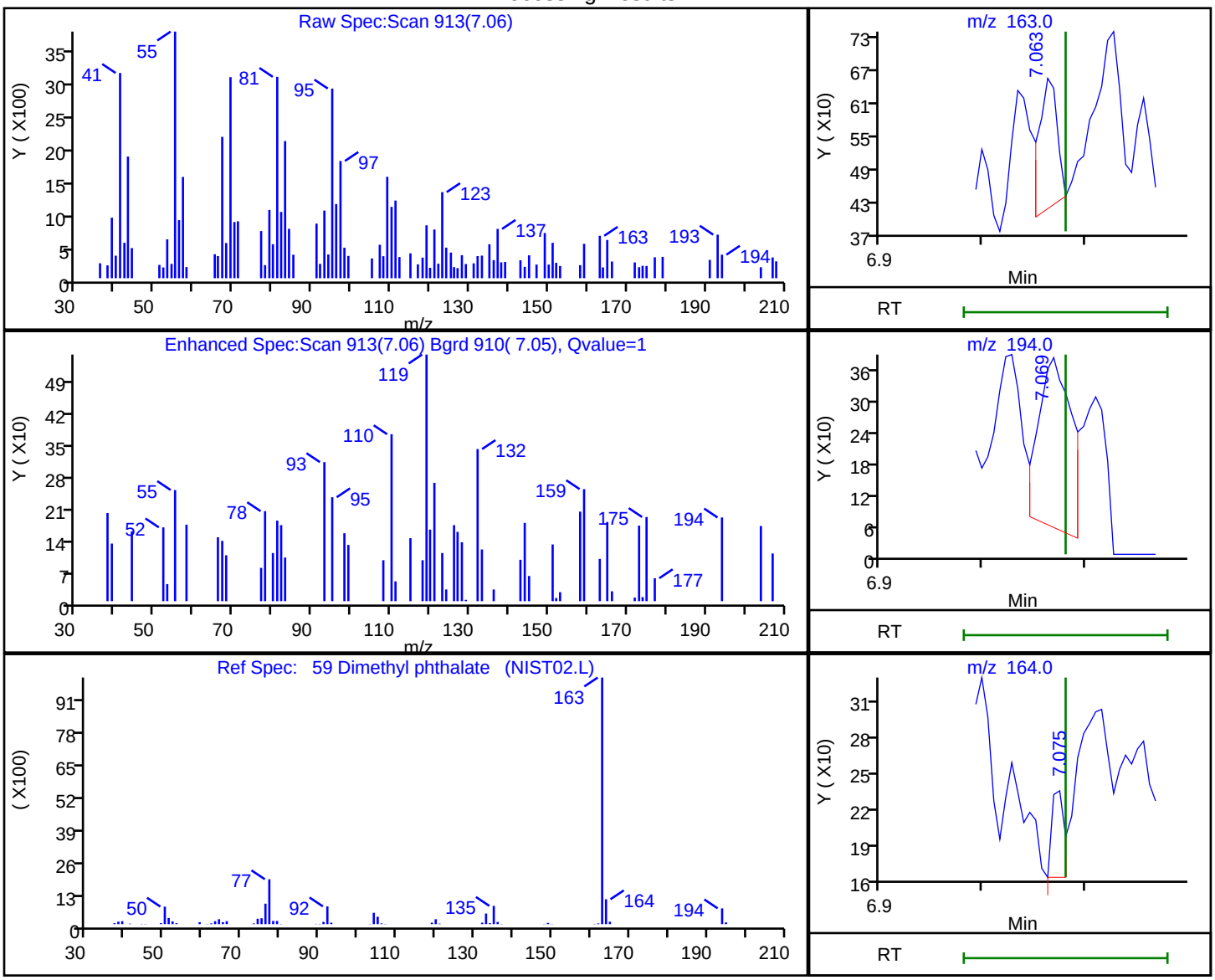
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

59 Dimethyl phthalate, CAS: 131-11-3

Processing Results



RT	Mass	Response	Amount
7.06	163.00	297	0.000835
7.07	194.00	750	
7.07	164.00	58	

Reviewer: croccom, 16-Sep-2019 08:43:08

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

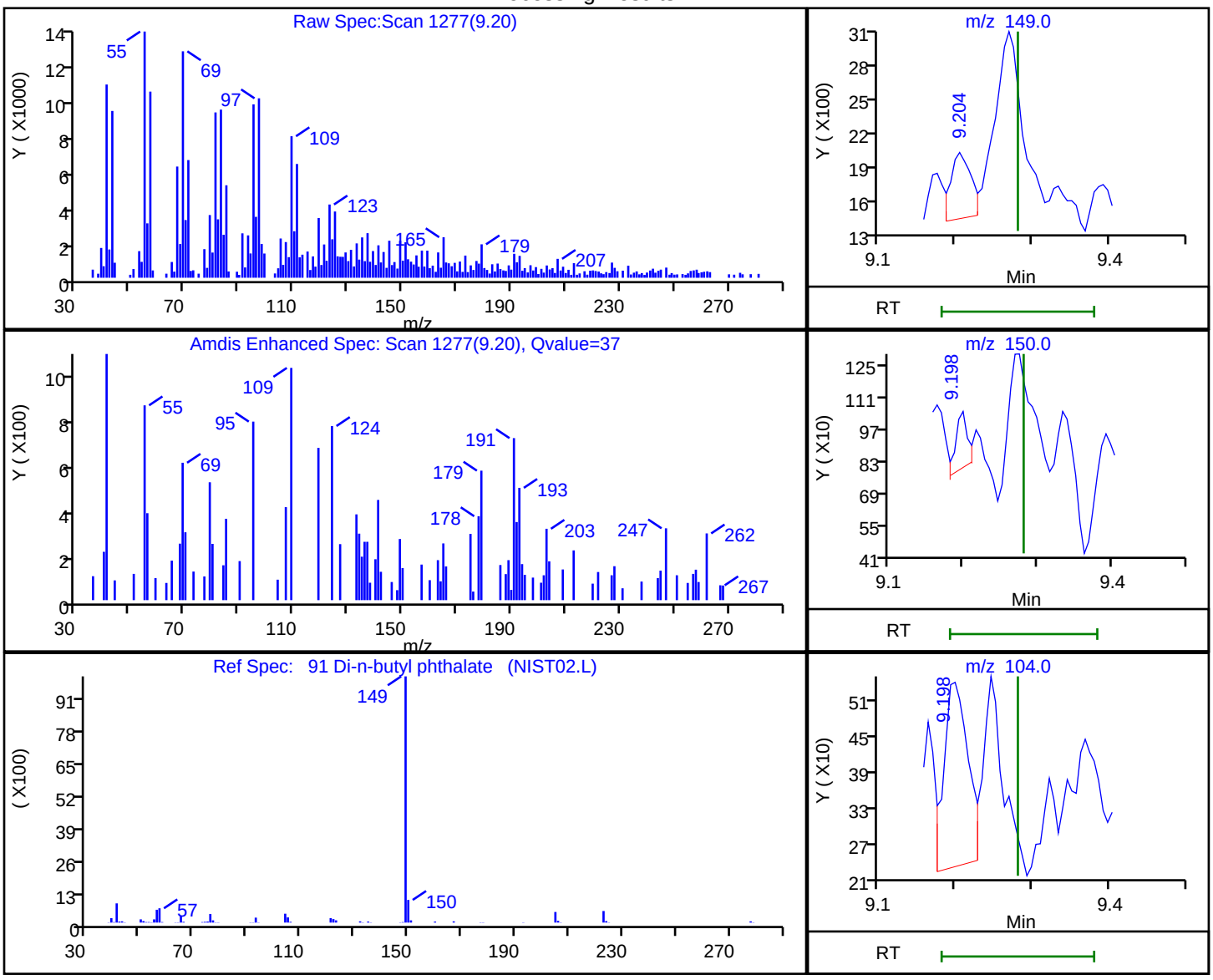
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
9.20	149.00	1062	0.002030
9.20	150.00	289	
9.20	104.00	698	

Reviewer: croccom, 16-Sep-2019 08:43:47

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

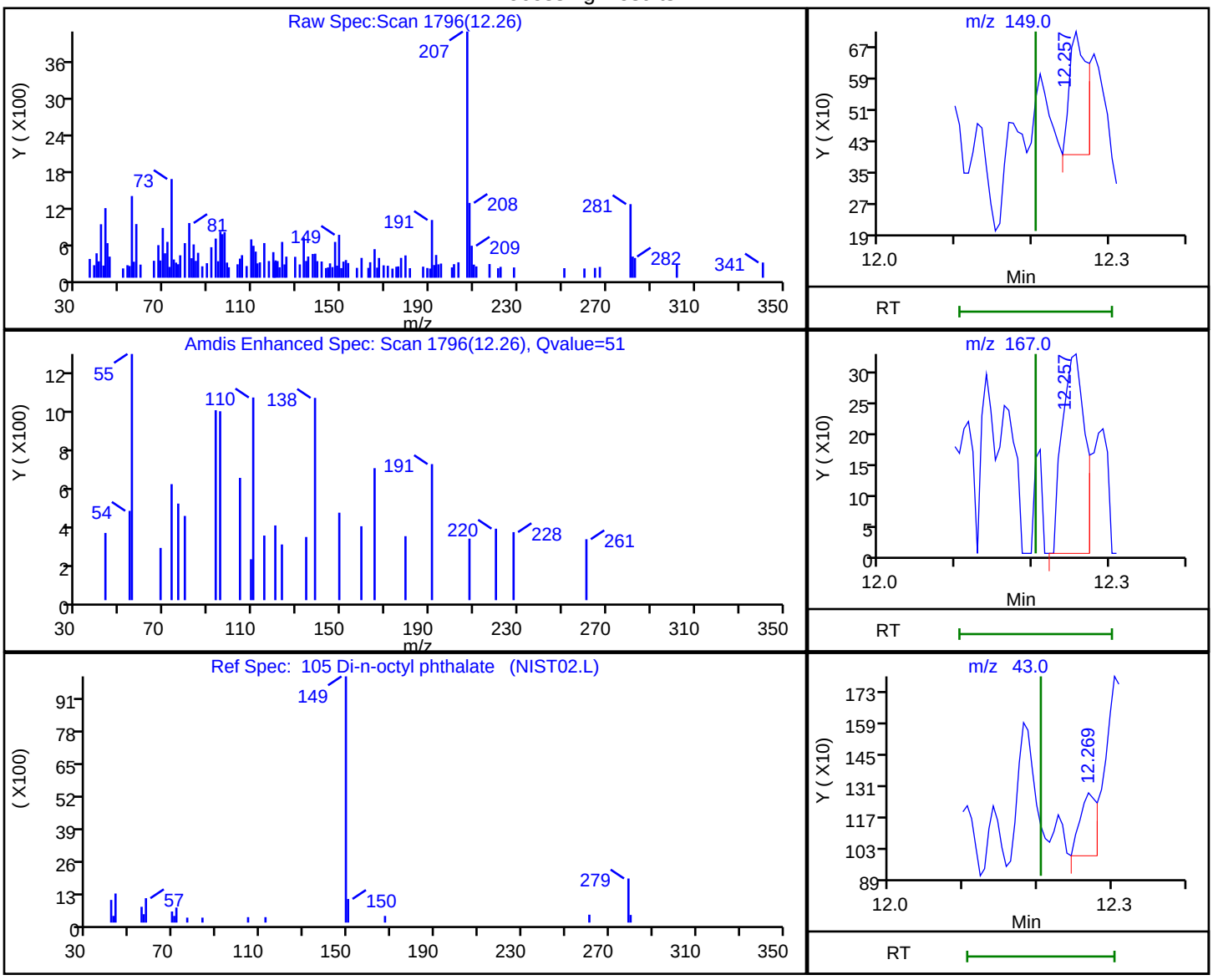
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
12.26	149.00	497	0.000992
12.26	167.00	670	
12.27	43.00	449	

Reviewer: croccom, 16-Sep-2019 08:43:58

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

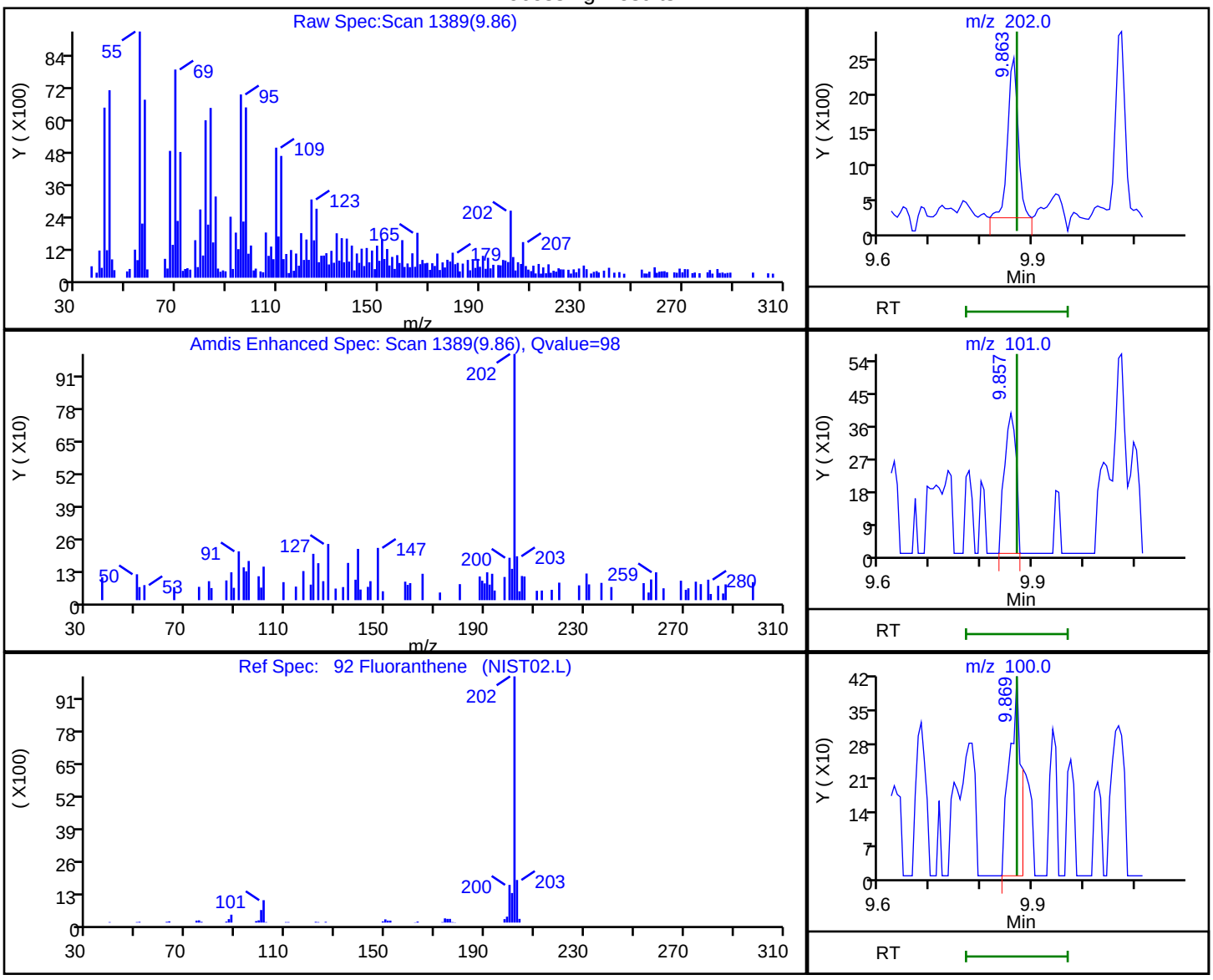
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0

Processing Results



RT	Mass	Response	Amount
9.86	202.00	3301	0.007319
9.86	101.00	614	
9.87	100.00	629	

Reviewer: croccom, 16-Sep-2019 08:43:49

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

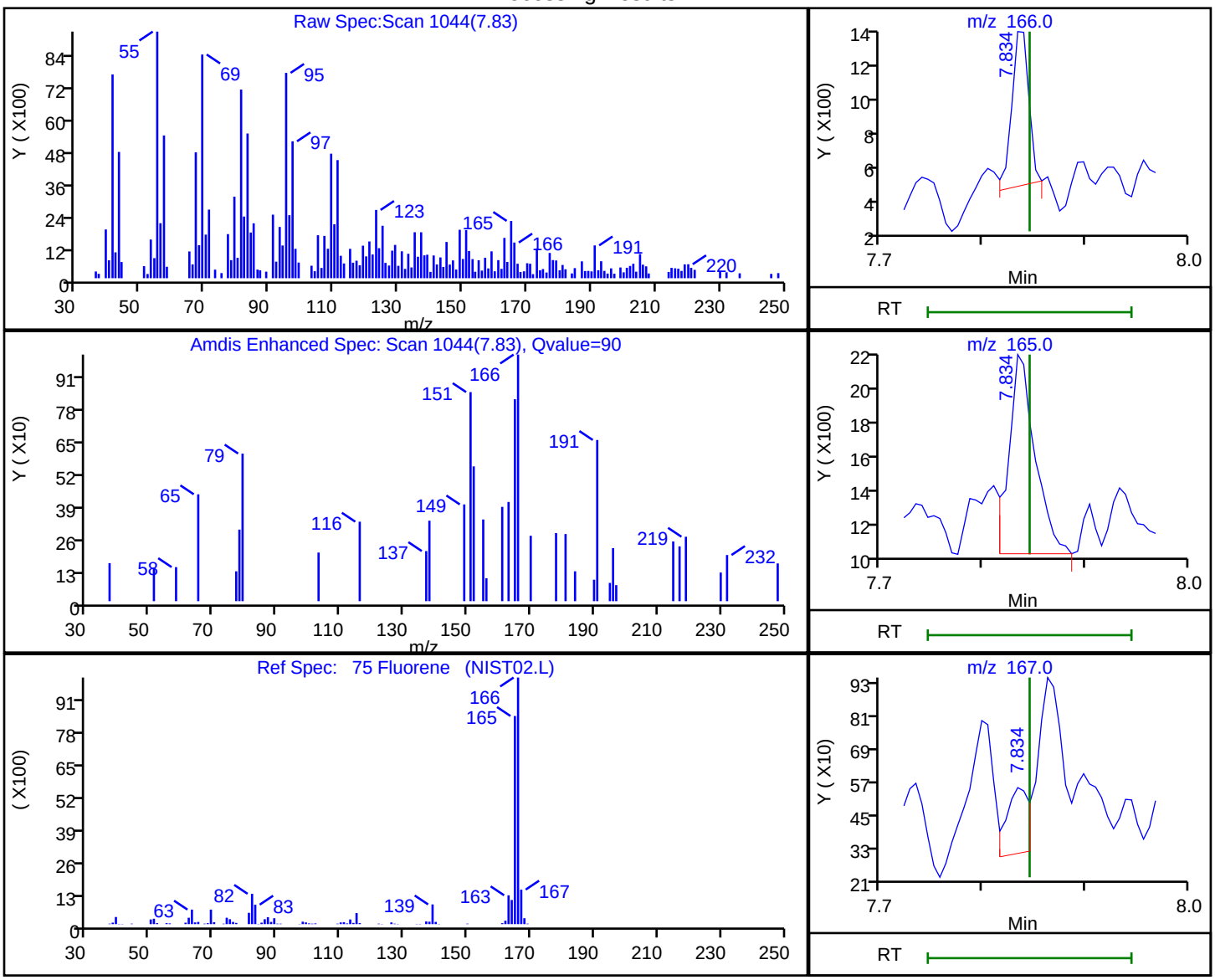
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7

Processing Results



RT	Mass	Response	Amount
7.83	166.00	979	0.002921
7.83	165.00	1906	
7.83	167.00	378	

Reviewer: croccom, 16-Sep-2019 08:43:18

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

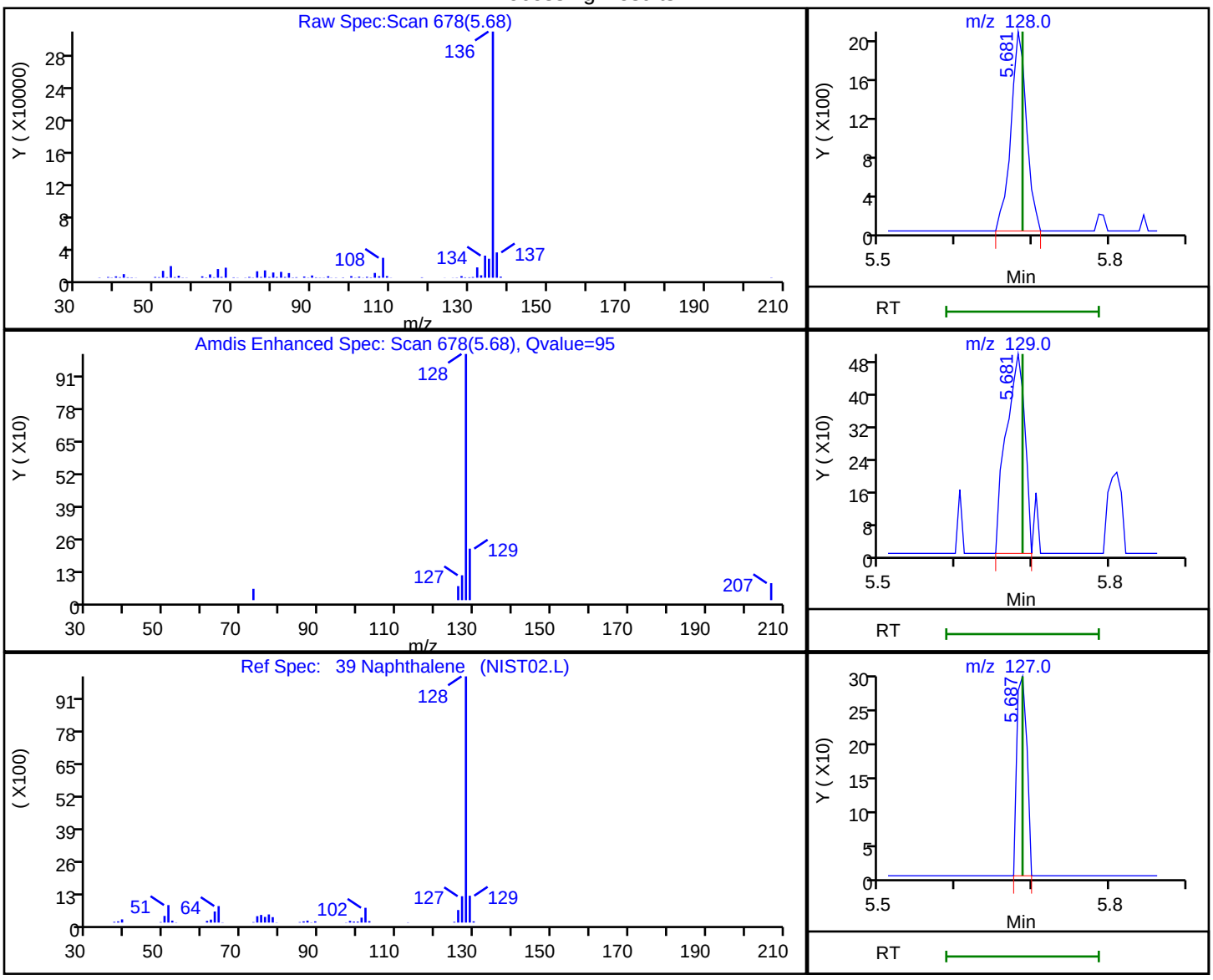
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.68	128.00	2838	0.005307
5.68	129.00	842	
5.69	127.00	266	

Reviewer: croccom, 16-Sep-2019 08:43:03

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

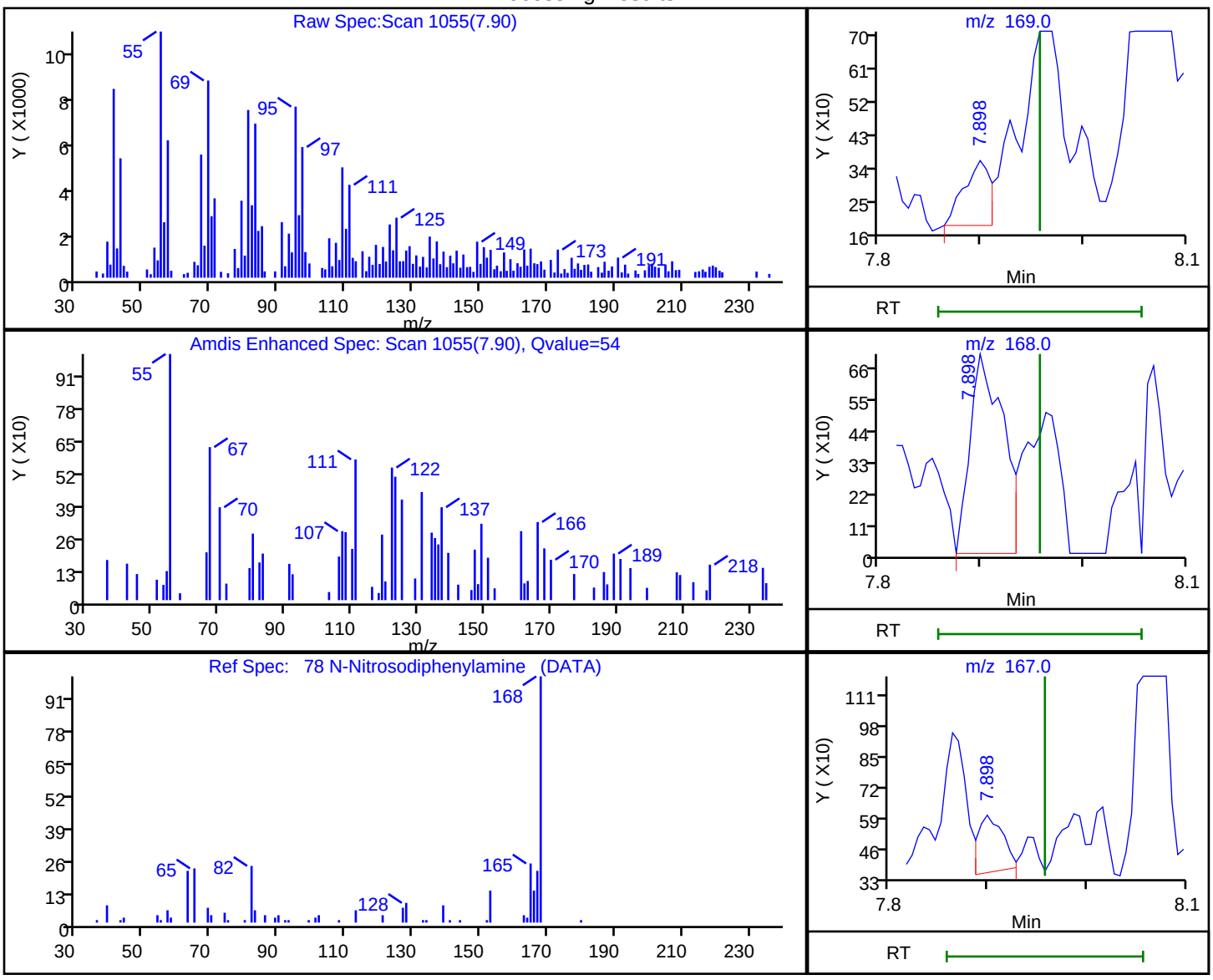
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.90	169.00	319	0.001229
7.90	168.00	1615	
7.90	167.00	438	

Reviewer: croccom, 16-Sep-2019 08:43:21

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

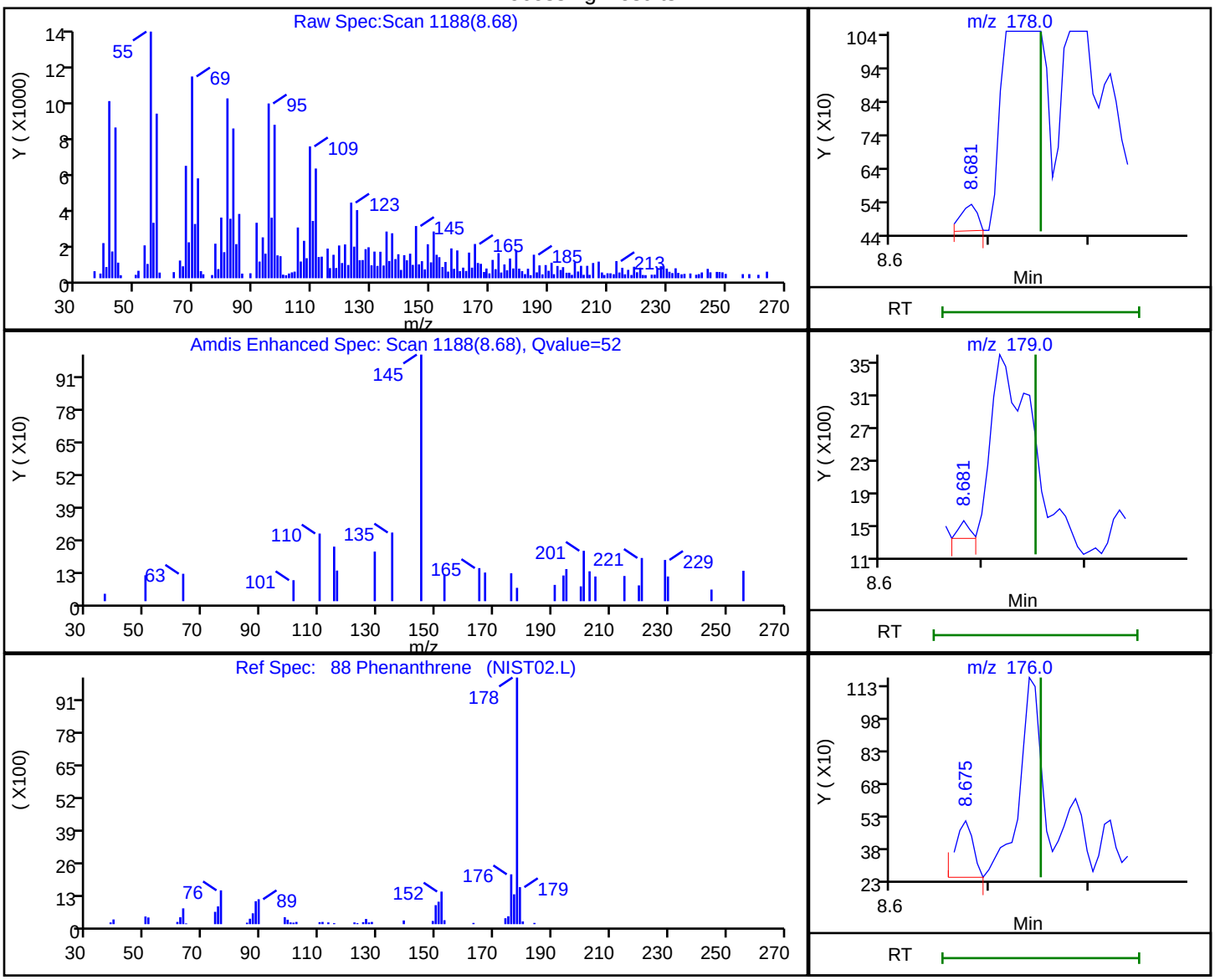
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.68	178.00	95	0.000194
8.68	179.00	159	
8.67	176.00	316	

Reviewer: croccom, 16-Sep-2019 08:43:44

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

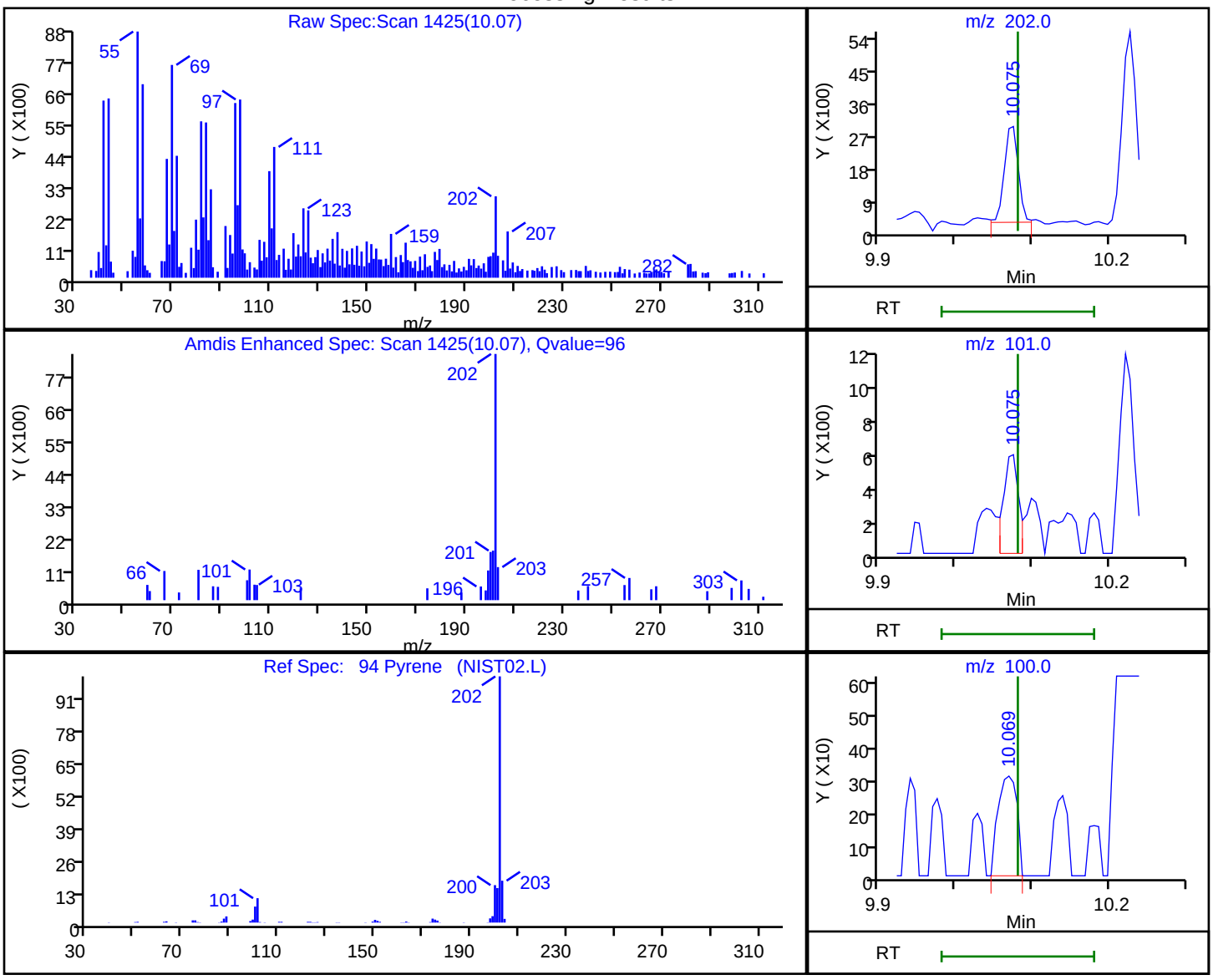
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163884.D				
Injection Date:	16-Sep-2019 04:41:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-1-A	Lab Sample ID:	460-191322-1		
Client ID:	MW-3D 091219				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
10.07	202.00	3399	0.008043
10.07	101.00	764	
10.07	100.00	534	

Reviewer: croccom, 16-Sep-2019 08:43:51

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.: 460-191322-1

SDG No.:

Client Sample ID: MW-20D 091219 Lab Sample ID: 460-191322-2

Matrix: Water Lab File ID: A163885.D

Analysis Method: 8270D Date Collected: 09/12/2019 10:05

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 05:02

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: MW-20D 091219 Lab Sample ID: 460-191322-2

Matrix: Water Lab File ID: A163885.D

Analysis Method: 8270D Date Collected: 09/12/2019 10:05

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 05:02

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: MW-20D 091219 Lab Sample ID: 460-191322-2

Matrix: Water Lab File ID: A163885.D

Analysis Method: 8270D Date Collected: 09/12/2019 10:05

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 05:02

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		26-139
321-60-8	2-Fluorobiphenyl	66		45-107
367-12-4	2-Fluorophenol (Surr)	36		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	75		51-108
4165-62-2	Phenol-d5 (Surr)	25		14-39
1718-51-0	Terphenyl-d14 (Surr)	76		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D
Lims ID: 460-191322-F-2-A
Client ID: MW-20D 091219
Sample Type: Client
Inject. Date: 16-Sep-2019 05:02:30 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-033
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:47:58 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: croccom Date: 16-Sep-2019 08:45:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.281	-0.012	97	742359	3.63	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	595781	2.51	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	1144299	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.987	-0.006	87	1488903	7.52	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	4586349	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.692	-0.005	98	2877457	6.62	
* 64 Acenaphthene-d10	164	7.322	7.322	0.000	96	2270643	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	346936	8.52	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	3616412	8.00	
$ 96 Terphenyl-d14	244	10.228	10.227	0.001	100	2238541	7.63	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	2035506	8.00	
* 109 Perylene-d12	264	13.221	13.222	-0.001	98	2527189	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

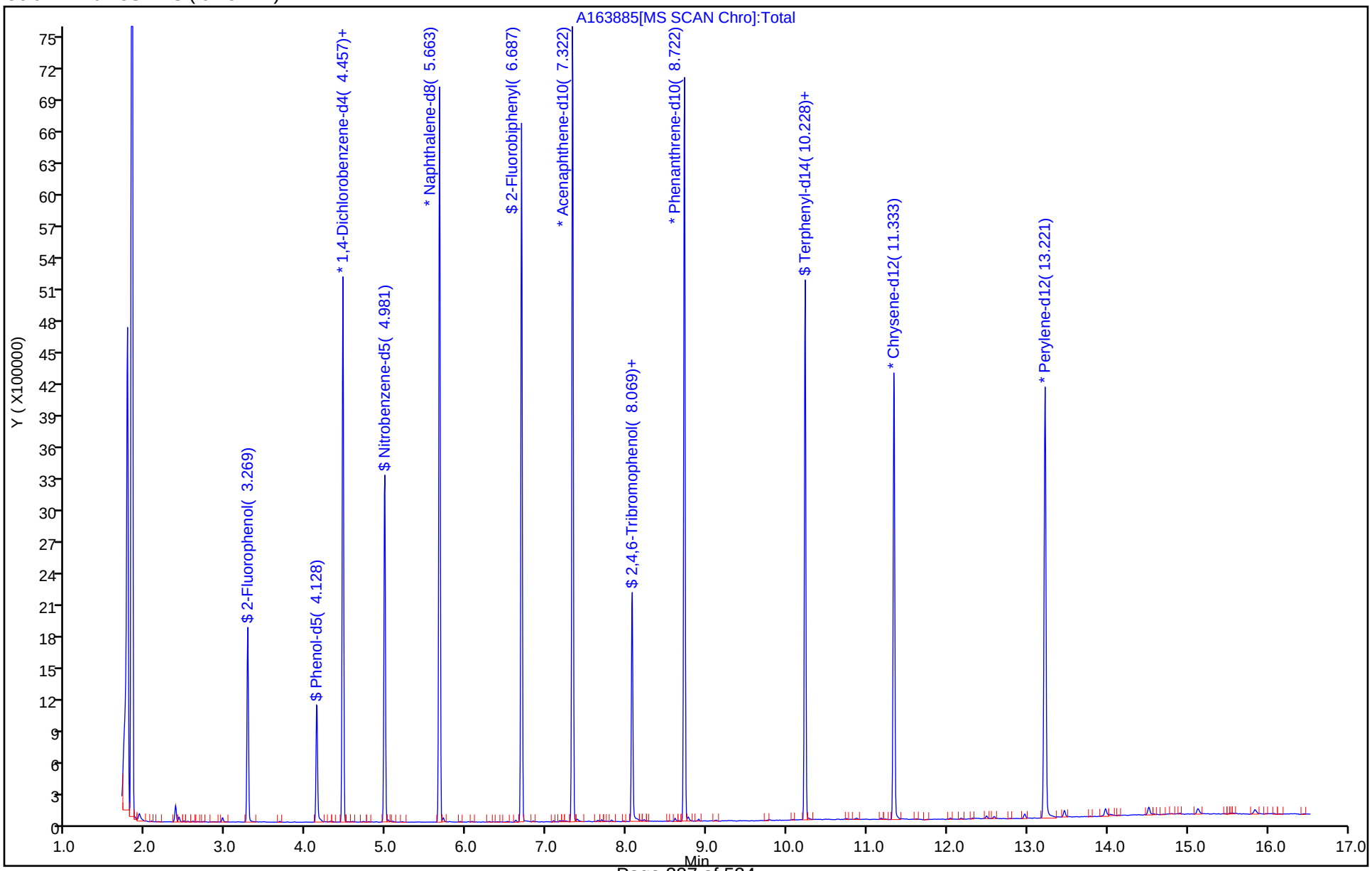
Report Date: 16-Sep-2019 08:50:47 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D

Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2	Worklist Smp#:	33
Client ID:	MW-20D 091219				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



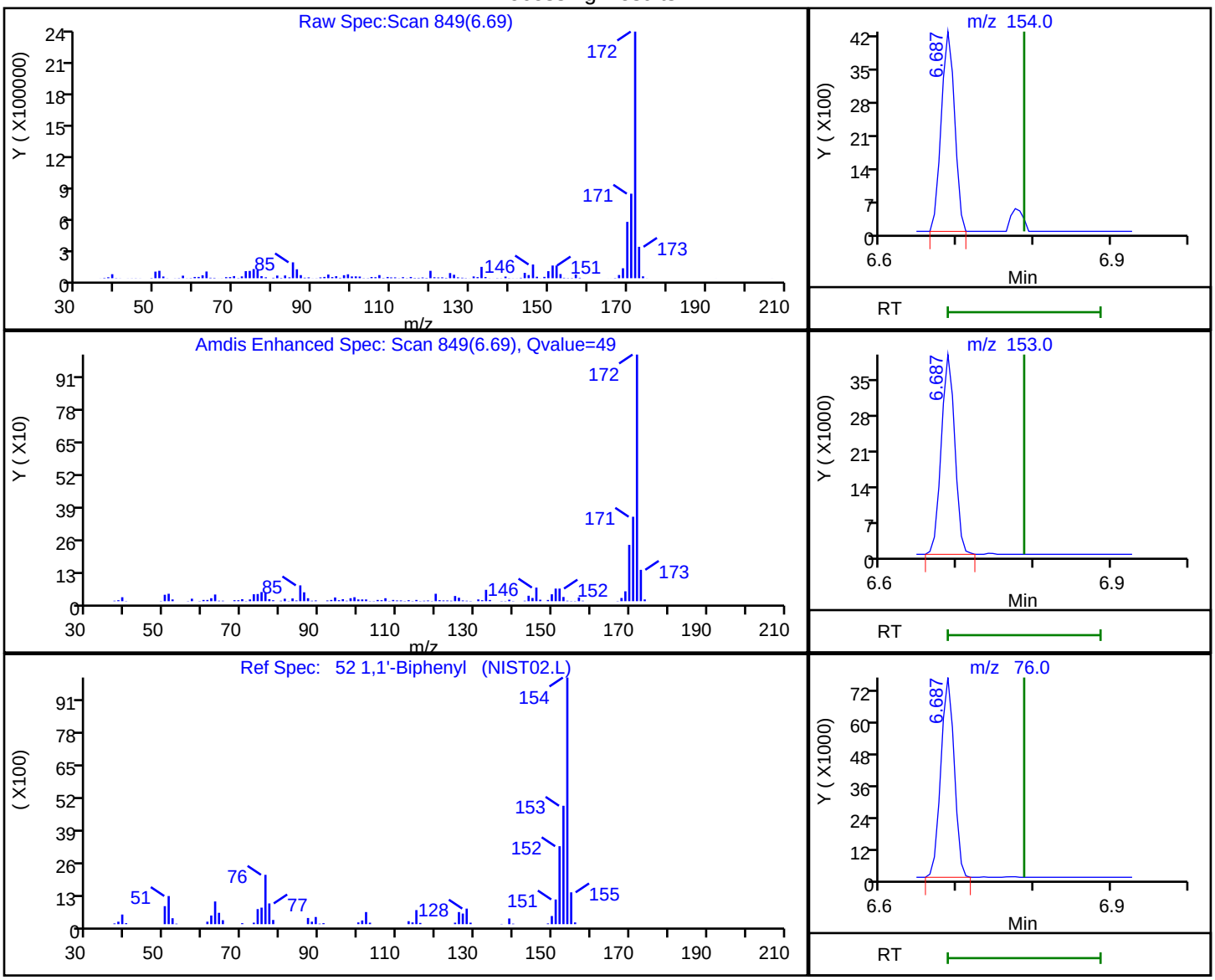
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.69	154.00	5172	0.010694
6.69	153.00	48760	
6.69	76.00	92781	

Reviewer: croccom, 16-Sep-2019 08:44:54

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

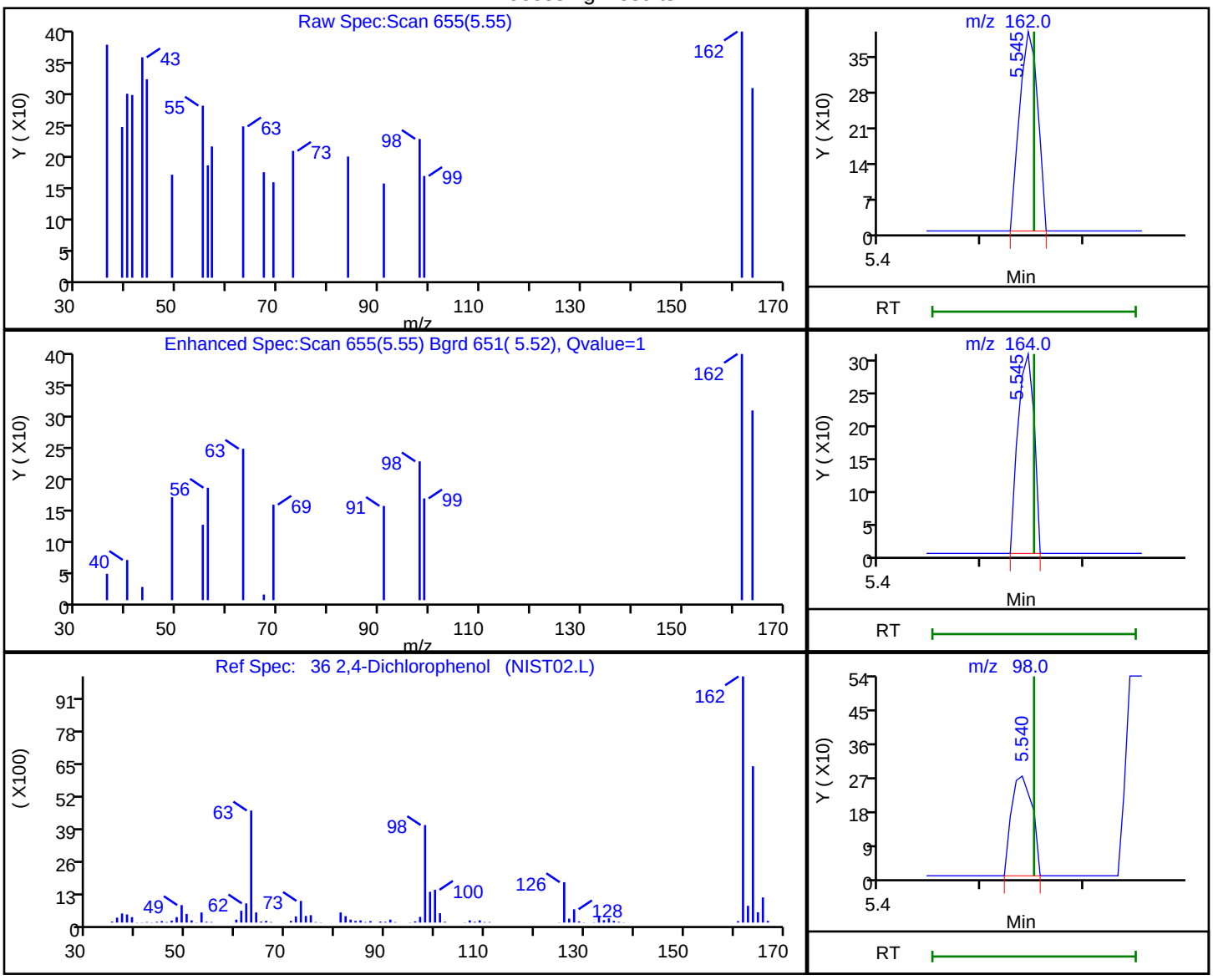
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

36 2,4-Dichlorophenol, CAS: 120-83-2

Processing Results



RT	Mass	Response	Amount
5.55	162.00	485	0.003181
5.55	164.00	331	
5.54	98.00	380	

Reviewer: croccom, 16-Sep-2019 08:44:49

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

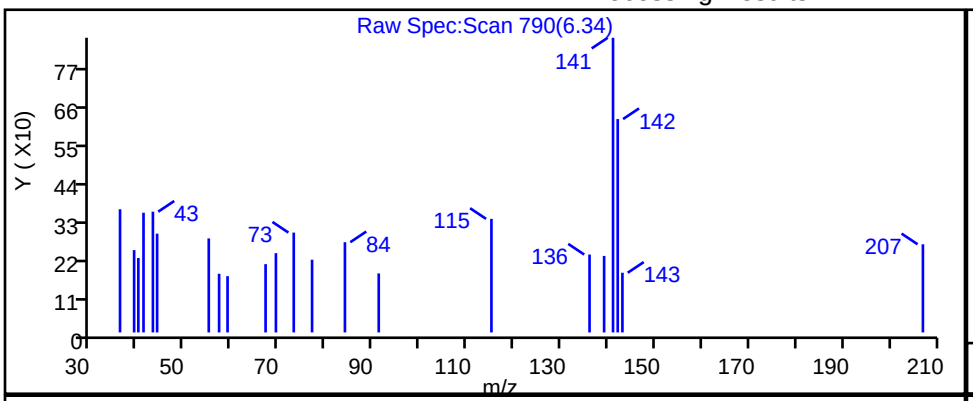
User Disabled Compound Report

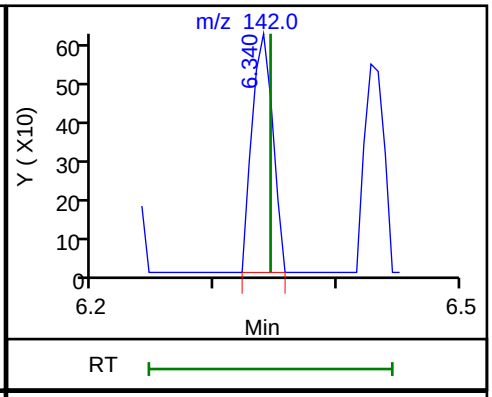
Eurofins TestAmerica, Edison

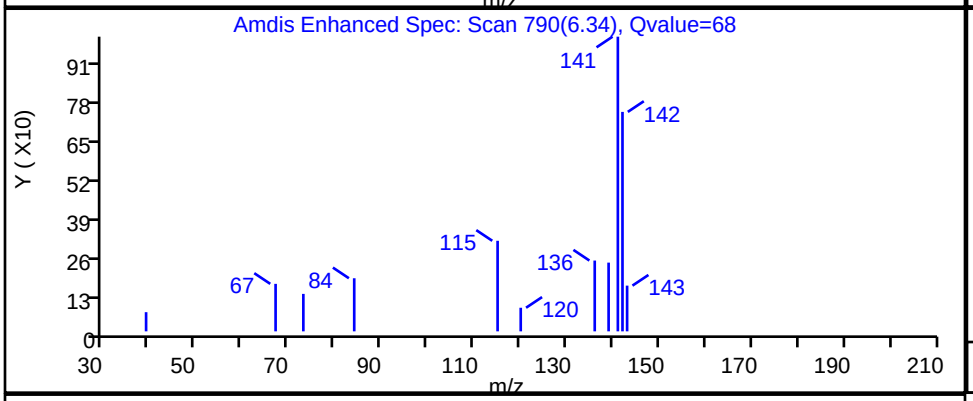
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

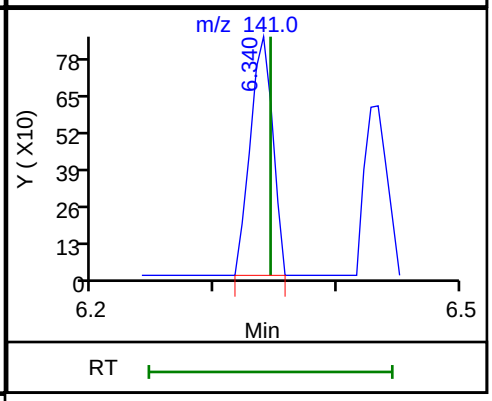
44 2-Methylnaphthalene, CAS: 91-57-6

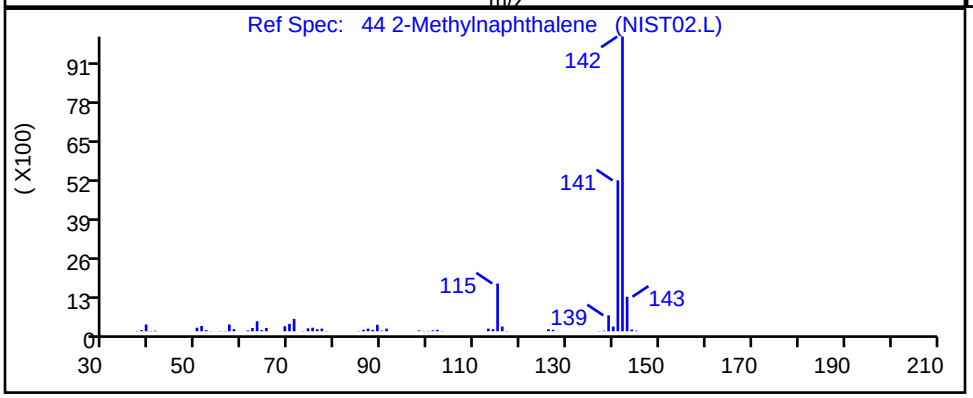
Processing Results











RT	Mass	Response	Amount
6.34	142.00	735	0.001949
6.34	141.00	1100	

Reviewer: croccom, 16-Sep-2019 08:44:52

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

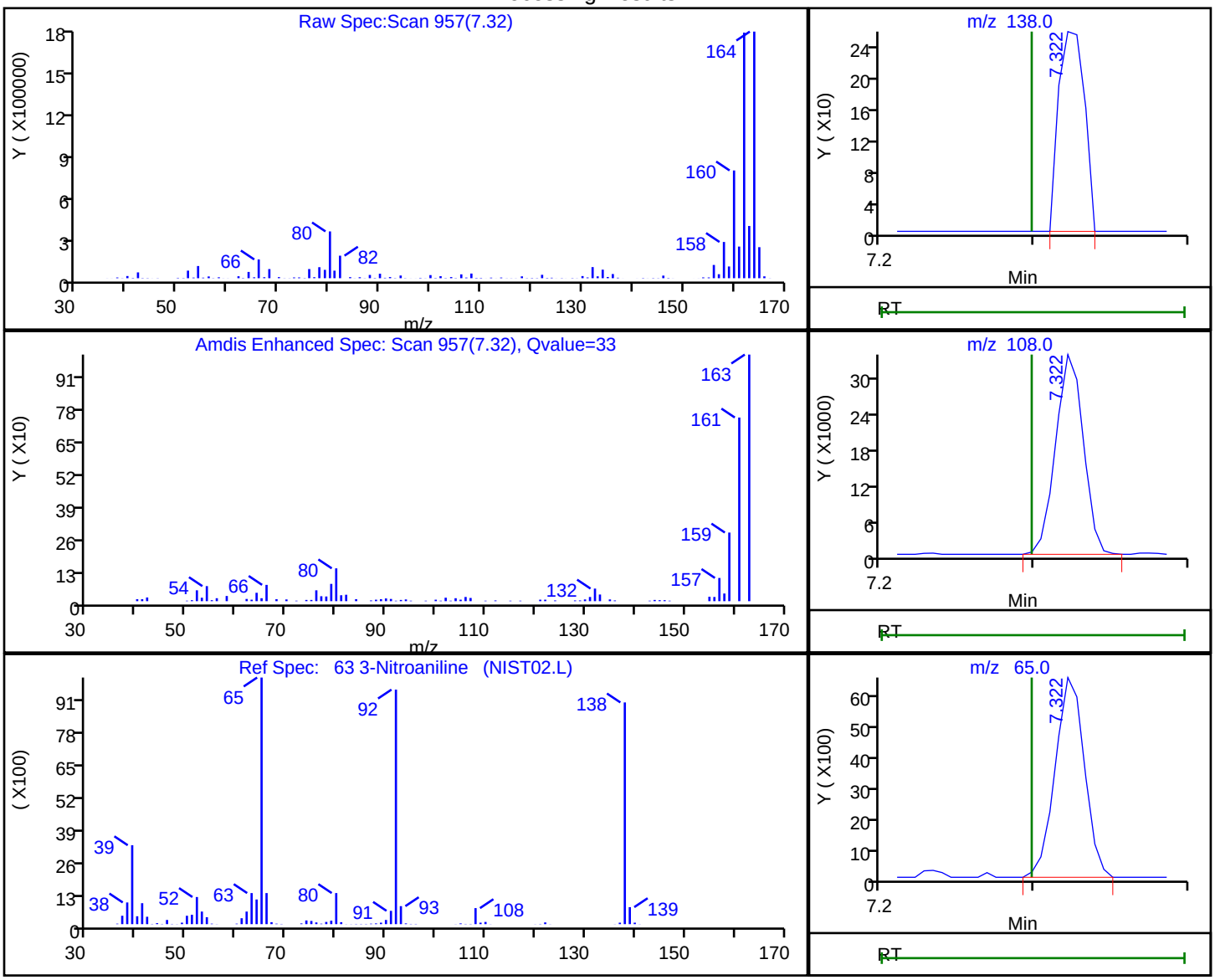
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.32	138.00	295	0.003002
7.32	108.00	42505	
7.32	65.00	8712	

Reviewer: croccom, 16-Sep-2019 08:44:56

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

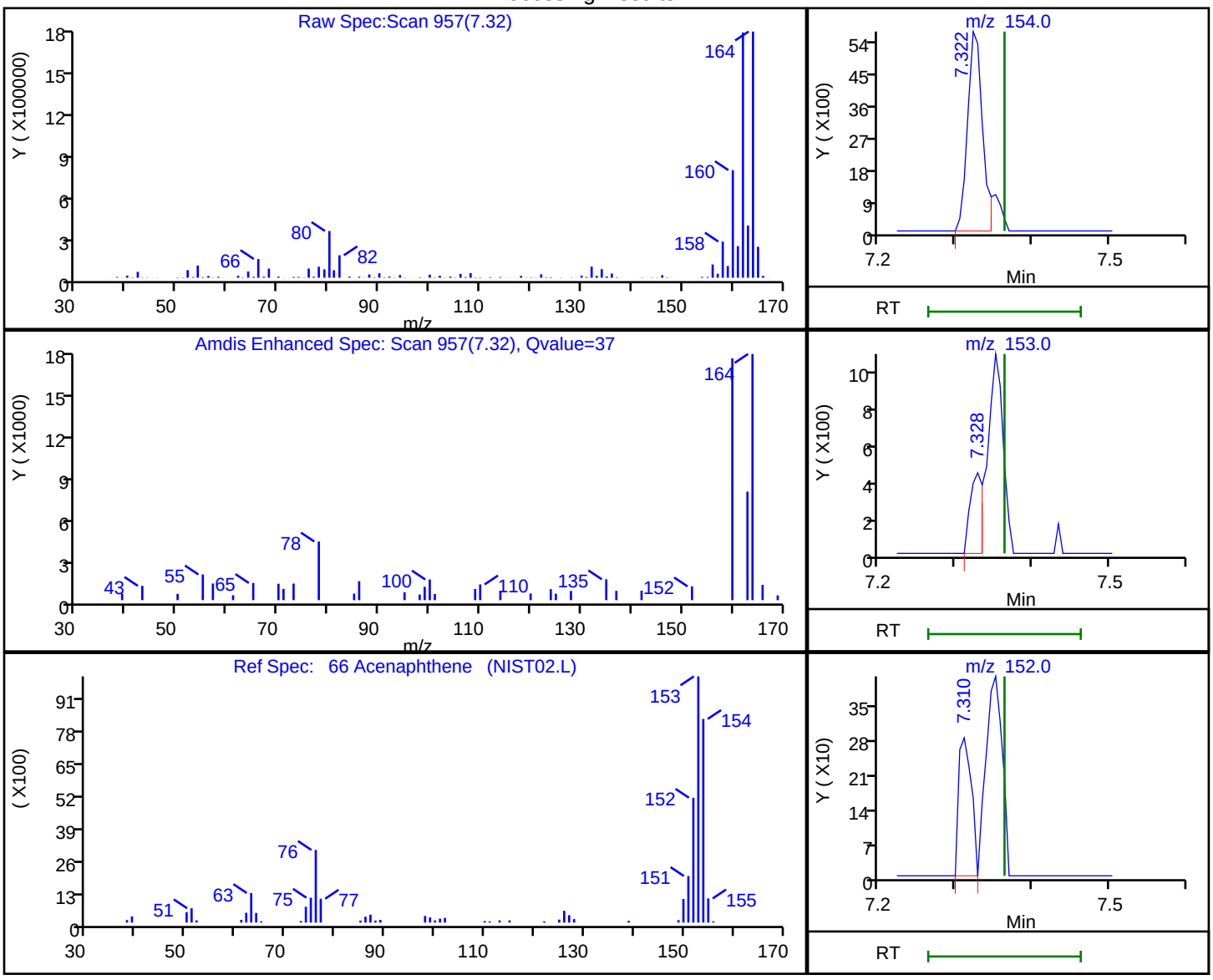
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.32	154.00	7677	0.021395
7.33	153.00	470	
7.31	152.00	327	

Reviewer: croccom, 16-Sep-2019 08:44:57

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

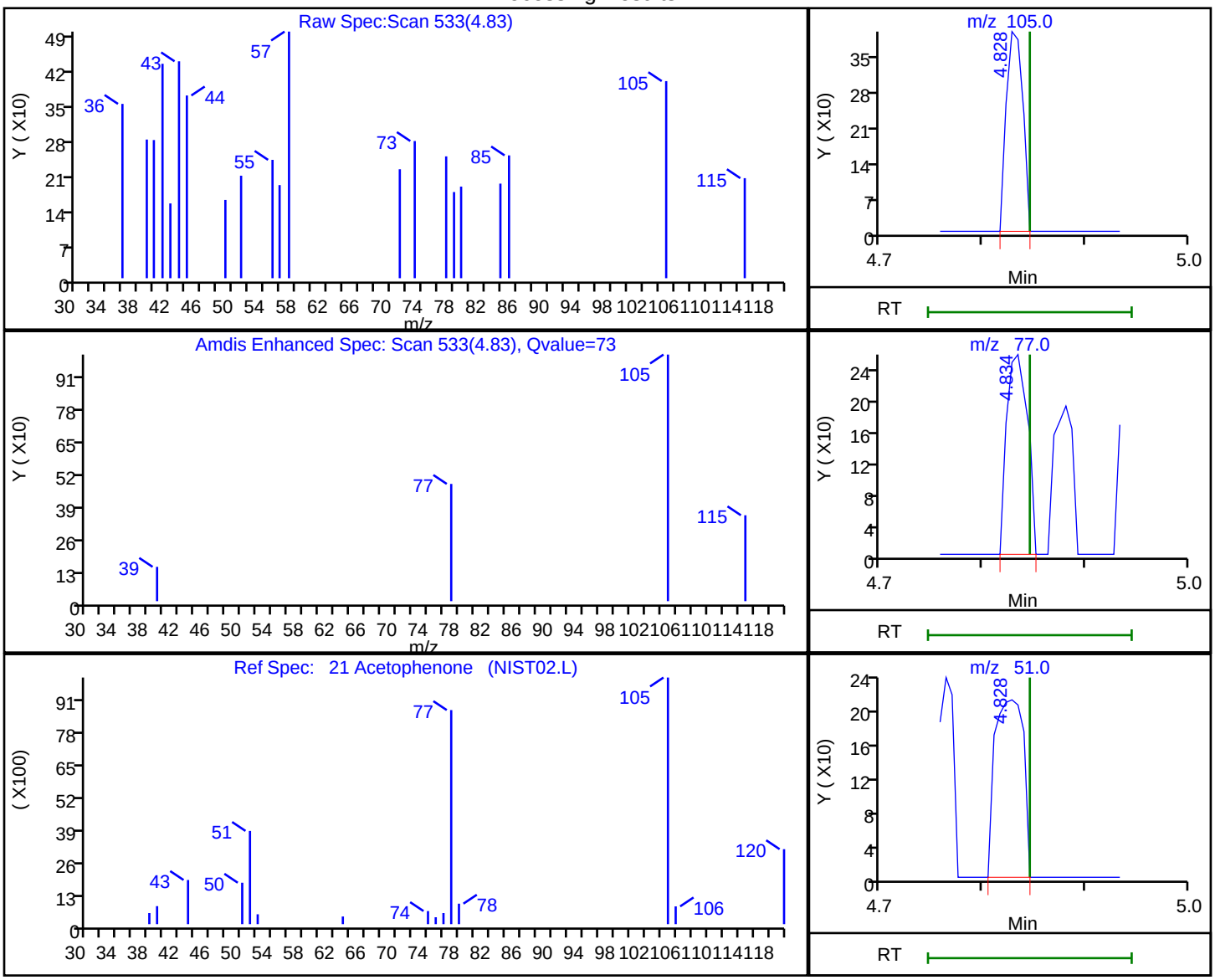
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

21 Acetophenone, CAS: 98-86-2

Processing Results



RT	Mass	Response	Amount
4.83	105.00	447	0.001717
4.83	77.00	364	
4.83	51.00	402	

Reviewer: croccom, 16-Sep-2019 08:44:45

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

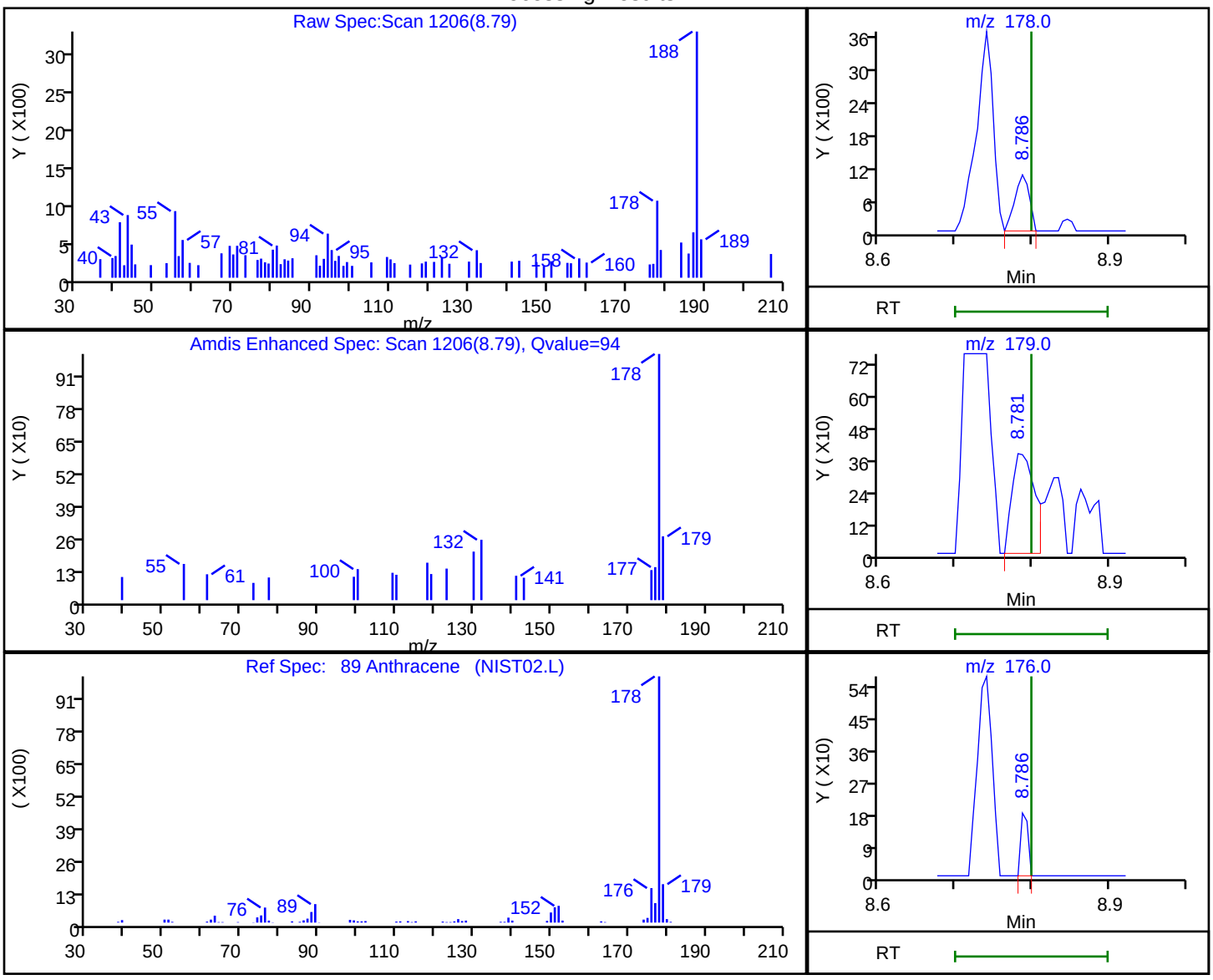
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.79	178.00	1361	0.002540
8.78	179.00	778	
8.79	176.00	117	

Reviewer: croccom, 16-Sep-2019 08:45:12

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

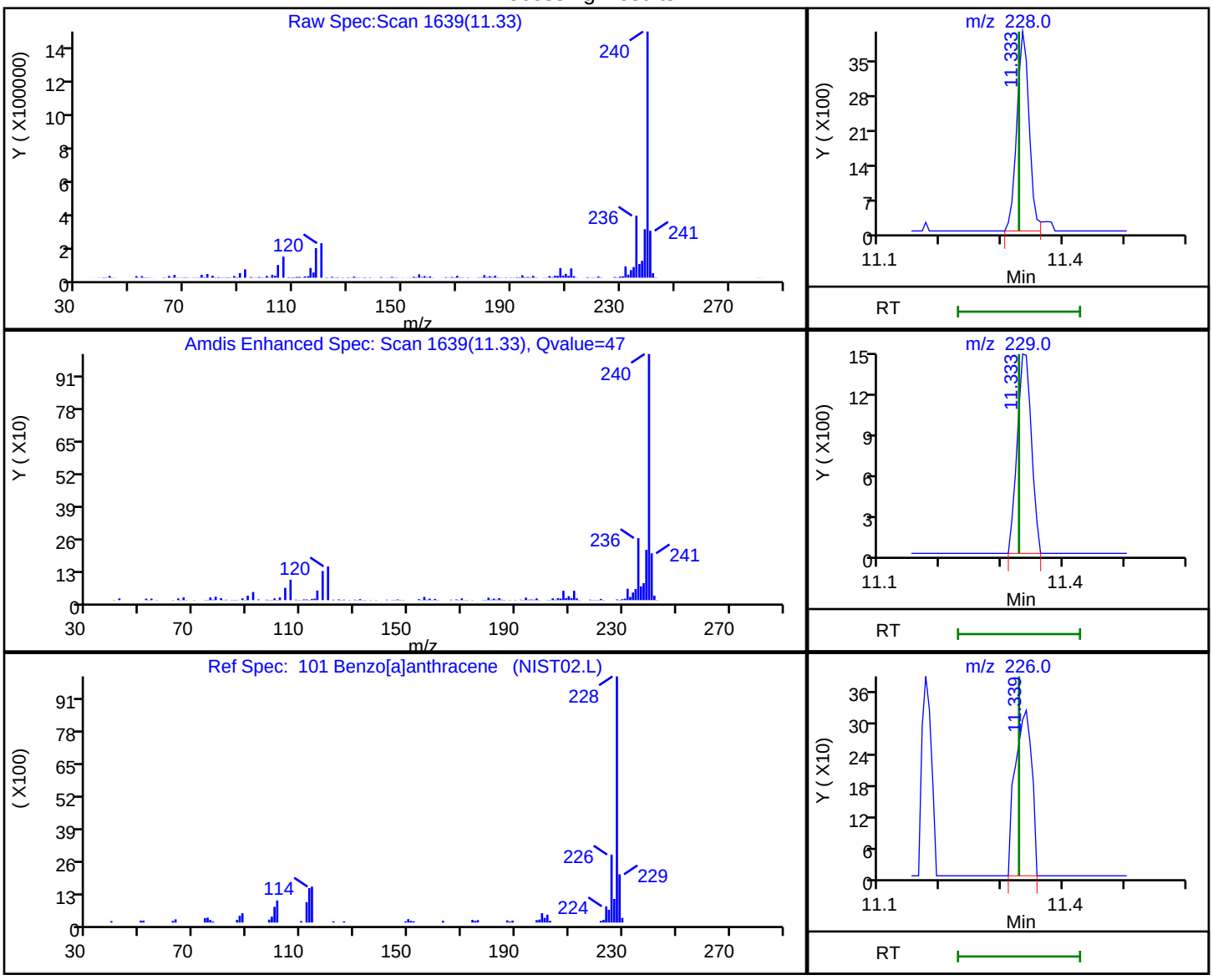
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
11.33	228.00	5662	0.016462
11.33	229.00	2399	
11.34	226.00	595	

Reviewer: croccom, 16-Sep-2019 08:45:19

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

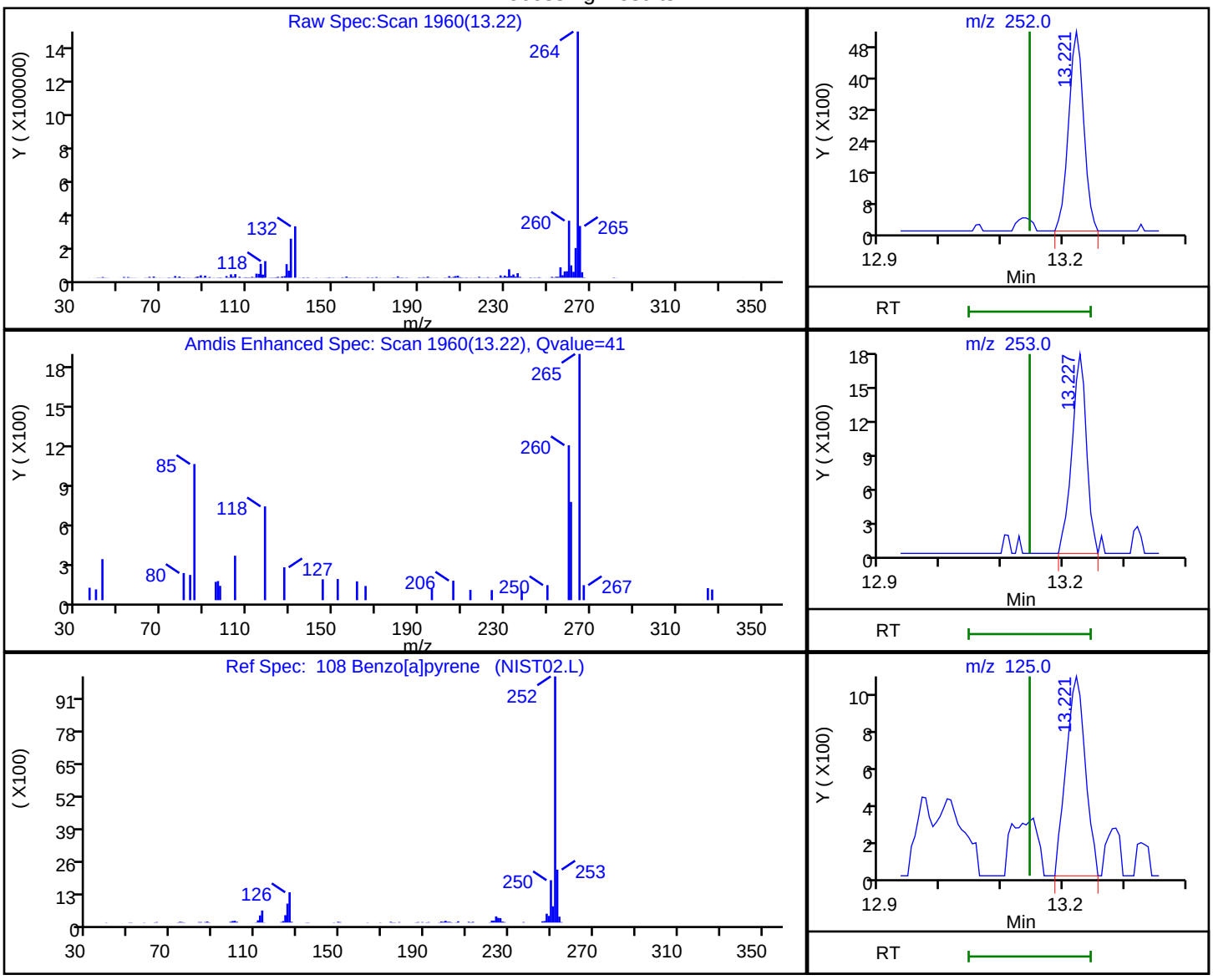
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	8825	0.024640
13.23	253.00	2926	
13.22	125.00	2306	

Reviewer: croccom, 16-Sep-2019 08:45:26

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

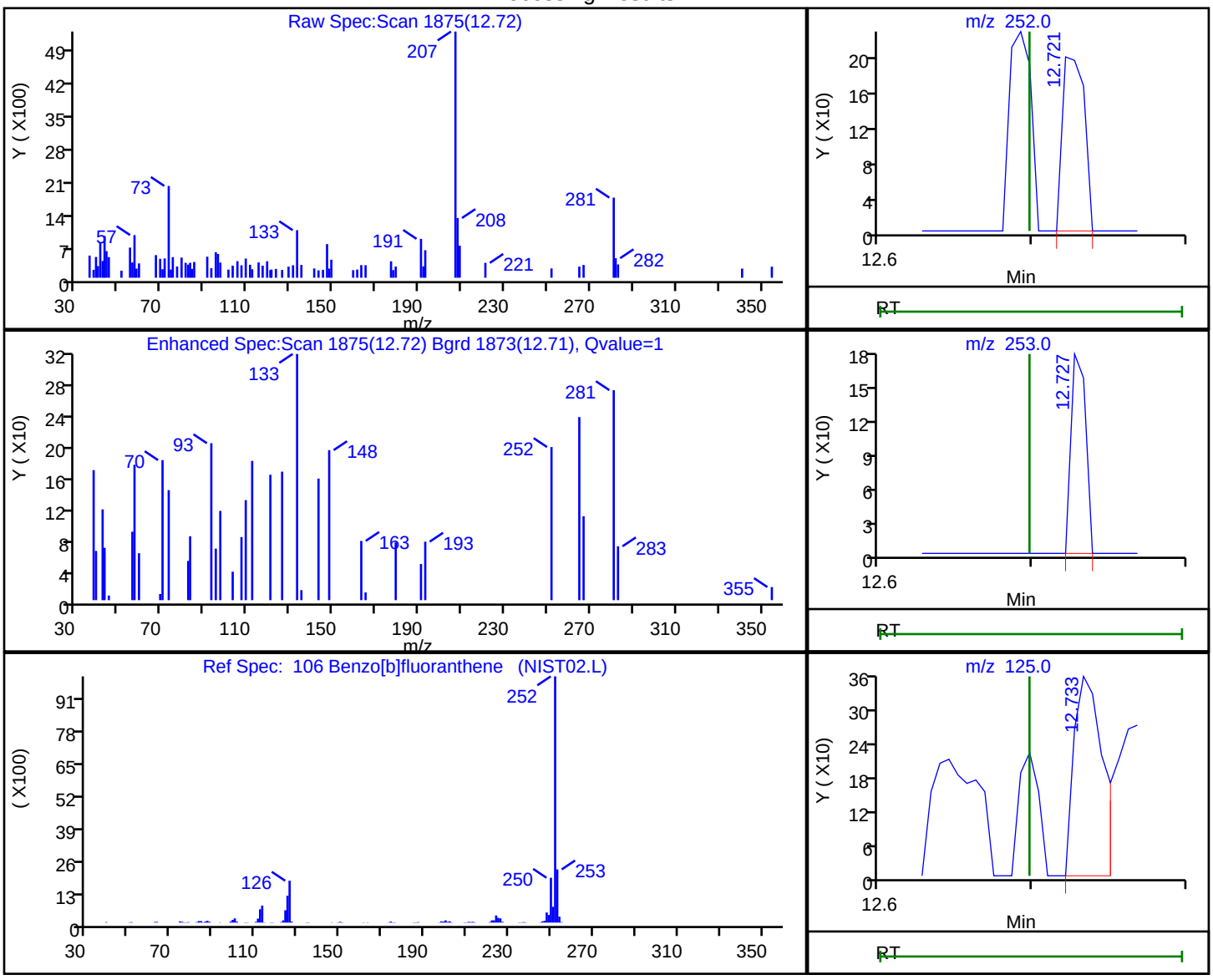
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
12.72	252.00	198	0.000514
12.73	253.00	116	
12.73	125.00	467	

Reviewer: croccom, 16-Sep-2019 08:45:22

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

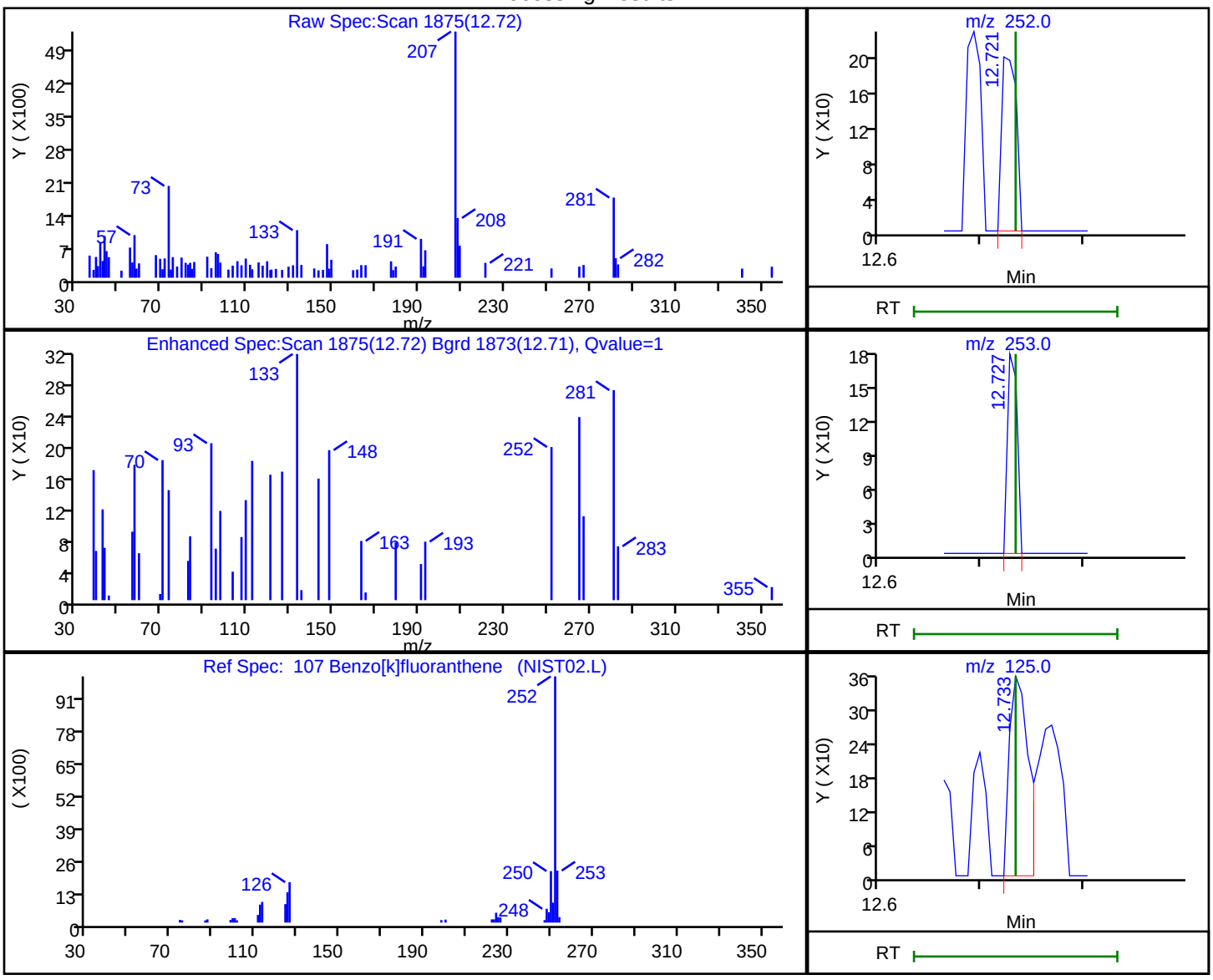
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
12.72	252.00	198	0.000491
12.73	253.00	116	
12.73	125.00	467	

Reviewer: croccom, 16-Sep-2019 08:45:24

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

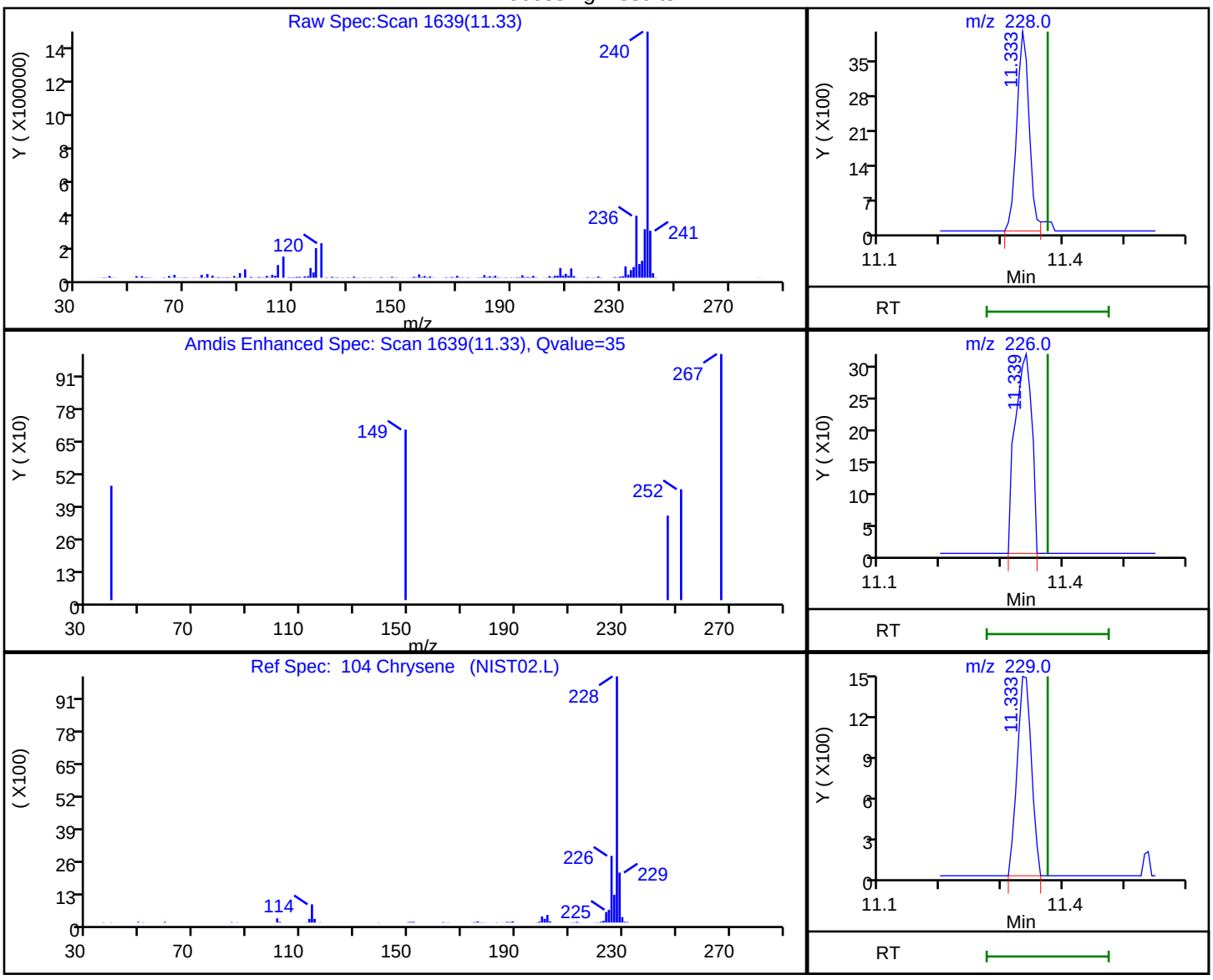
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.33	228.00	5662	0.017621
11.34	226.00	595	
11.33	229.00	2399	

Reviewer: croccom, 16-Sep-2019 08:45:21

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

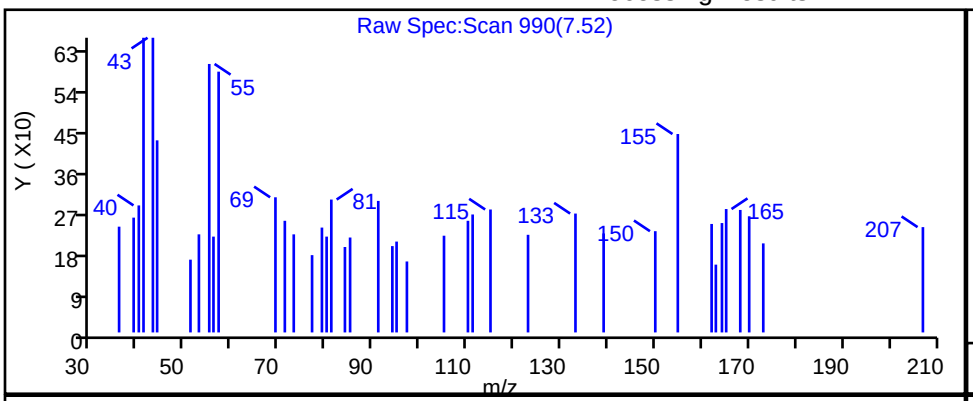
User Disabled Compound Report

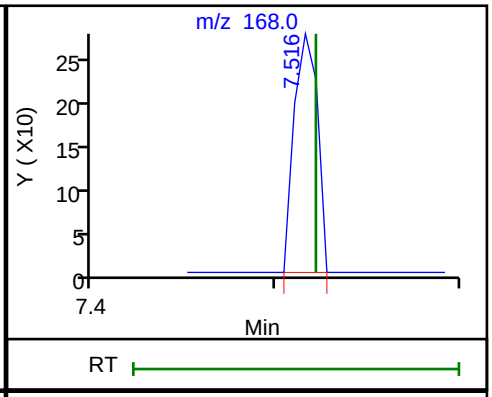
Eurofins TestAmerica, Edison

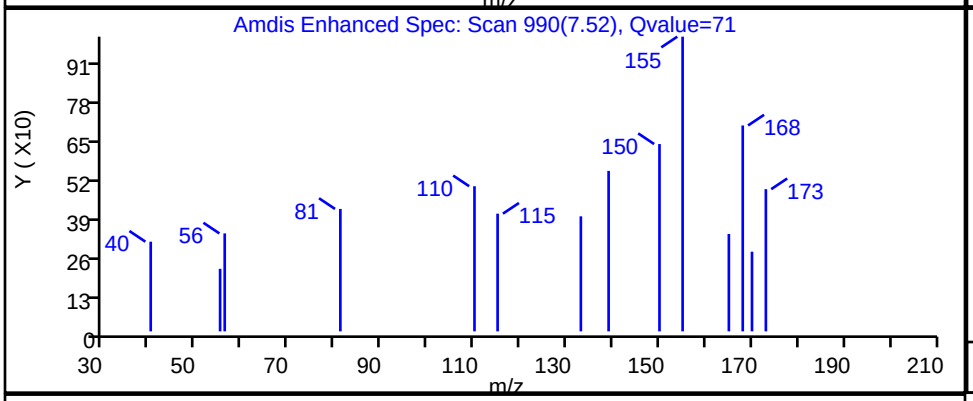
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

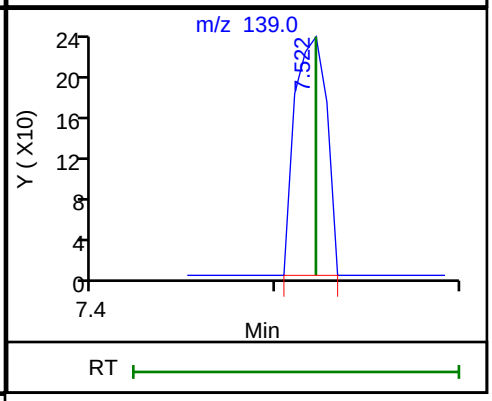
70 Dibenzofuran, CAS: 132-64-9

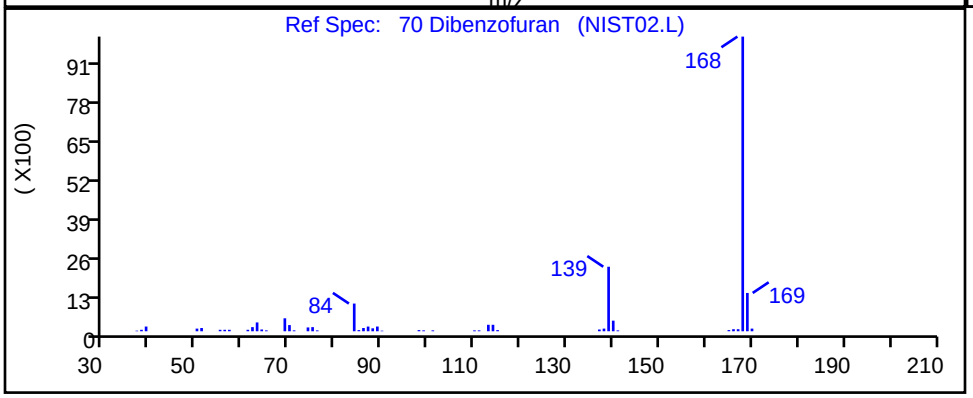
Processing Results











RT	Mass	Response	Amount
7.52	168.00	240	0.000503
7.52	139.00	283	

Reviewer: croccom, 16-Sep-2019 08:44:59

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

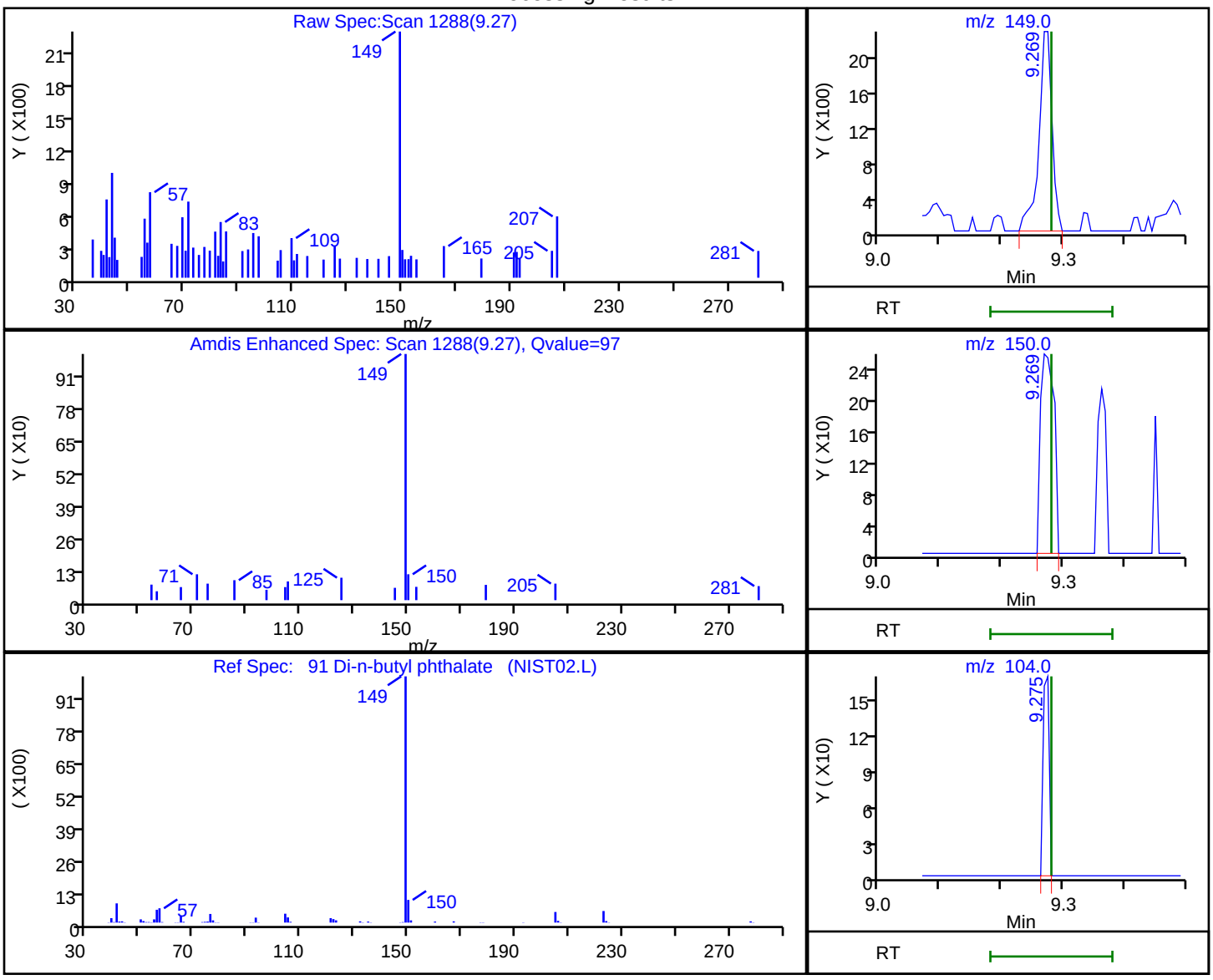
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
9.27	149.00	3418	0.006038
9.27	150.00	397	
9.27	104.00	114	

Reviewer: croccom, 16-Sep-2019 08:45:15

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

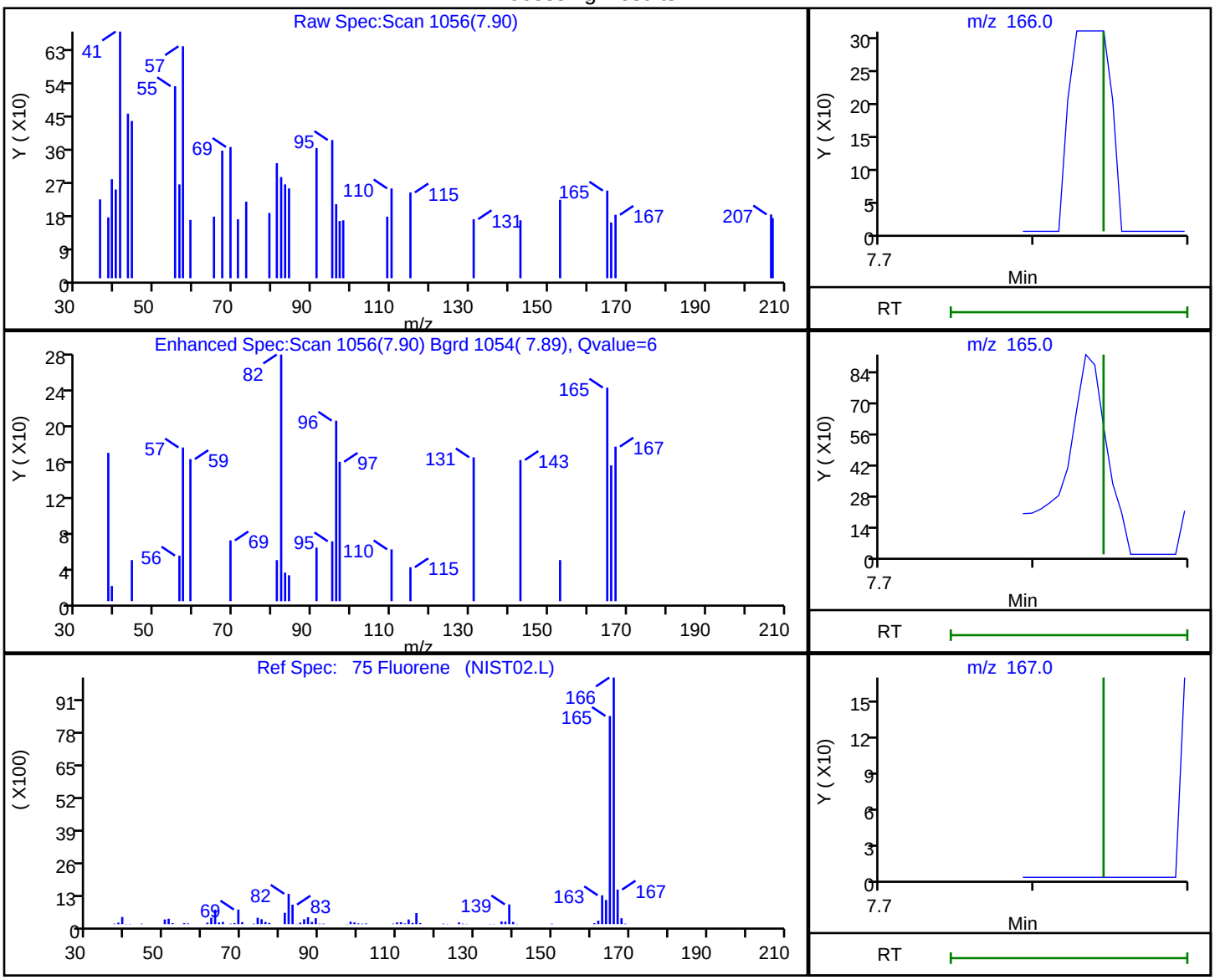
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7

Processing Results



RT	Mass	Response	Amount
7.90	166.00	107	0.000295
7.90	165.00	221	
7.90	167.00	120	

Reviewer: croccom, 16-Sep-2019 08:45:00

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

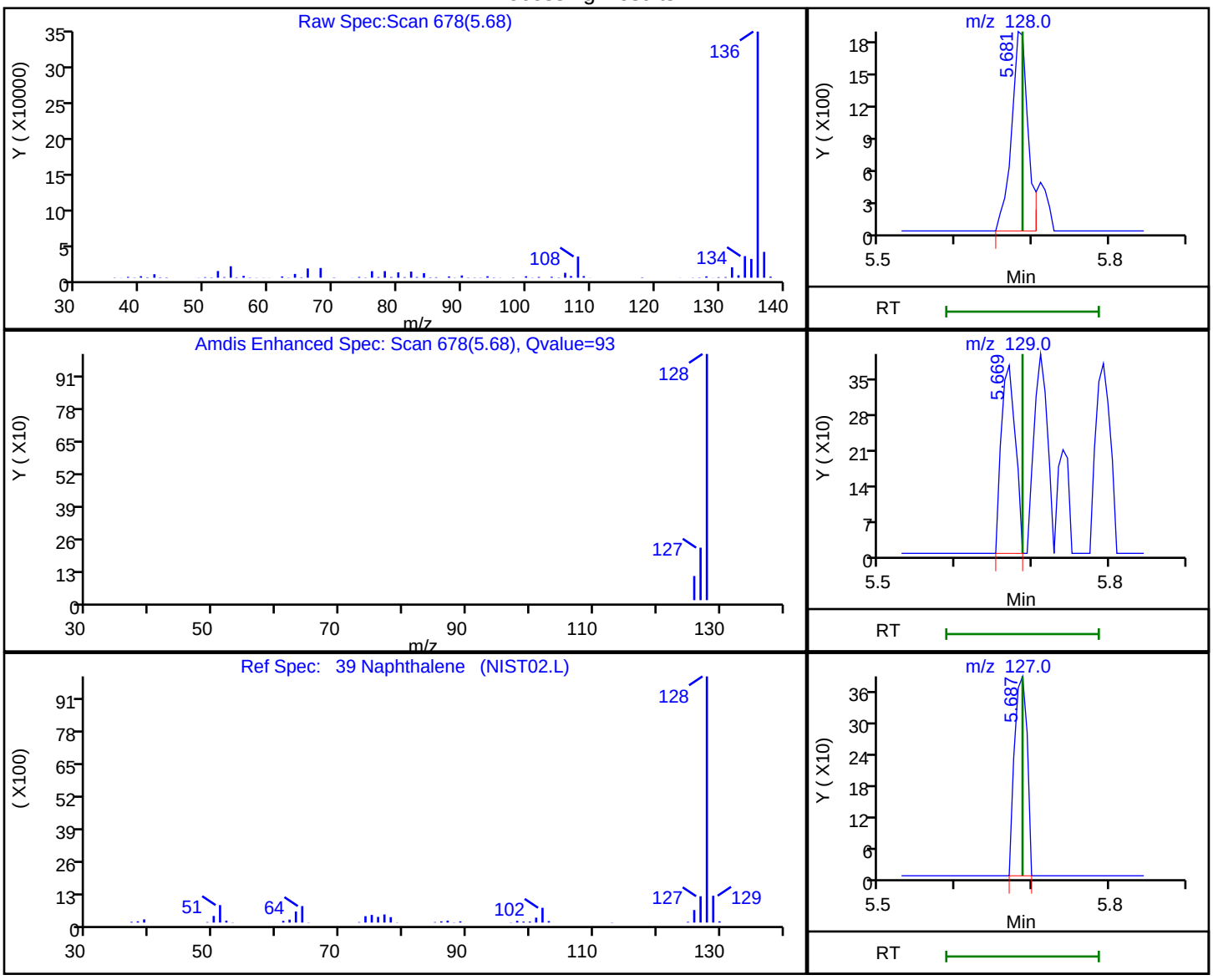
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.68	128.00	2795	0.004724
5.67	129.00	482	
5.69	127.00	446	

Reviewer: croccom, 16-Sep-2019 08:44:50

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

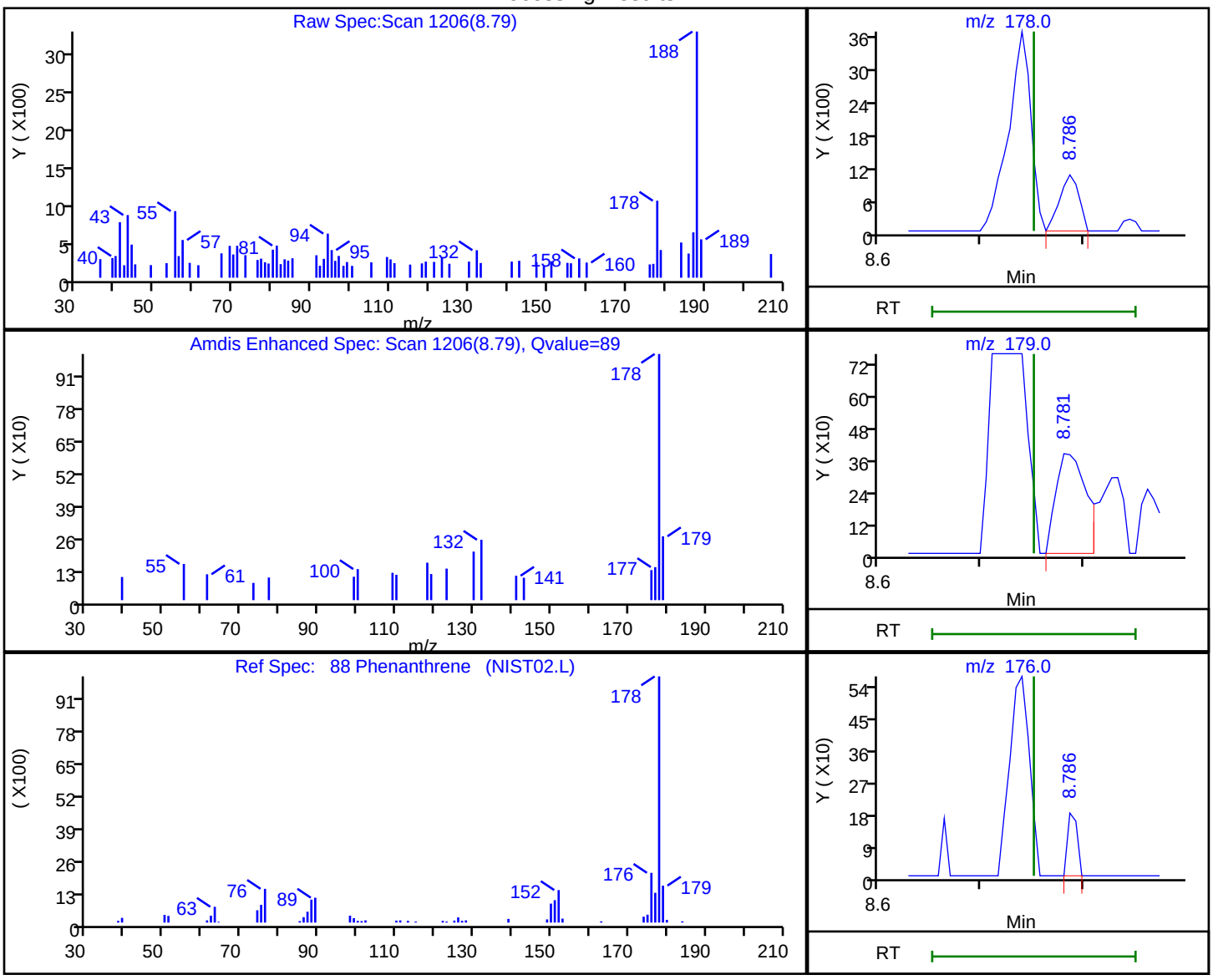
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.79	178.00	1361	0.002566
8.78	179.00	778	
8.79	176.00	117	

Reviewer: croccom, 16-Sep-2019 08:45:11

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

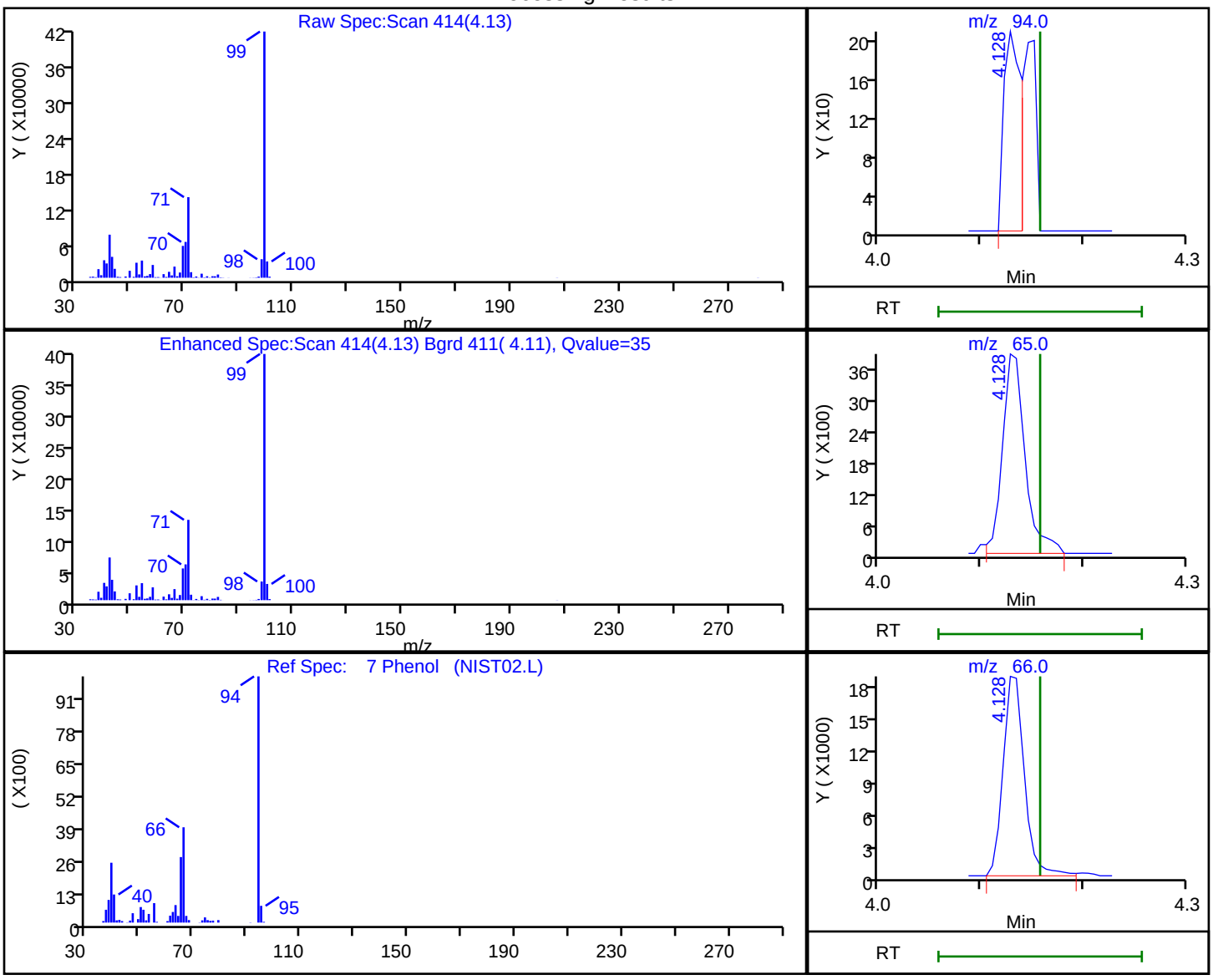
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.13	94.00	241	0.000964
4.13	65.00	6020	
4.13	66.00	26959	

Reviewer: croccom, 16-Sep-2019 08:44:43

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

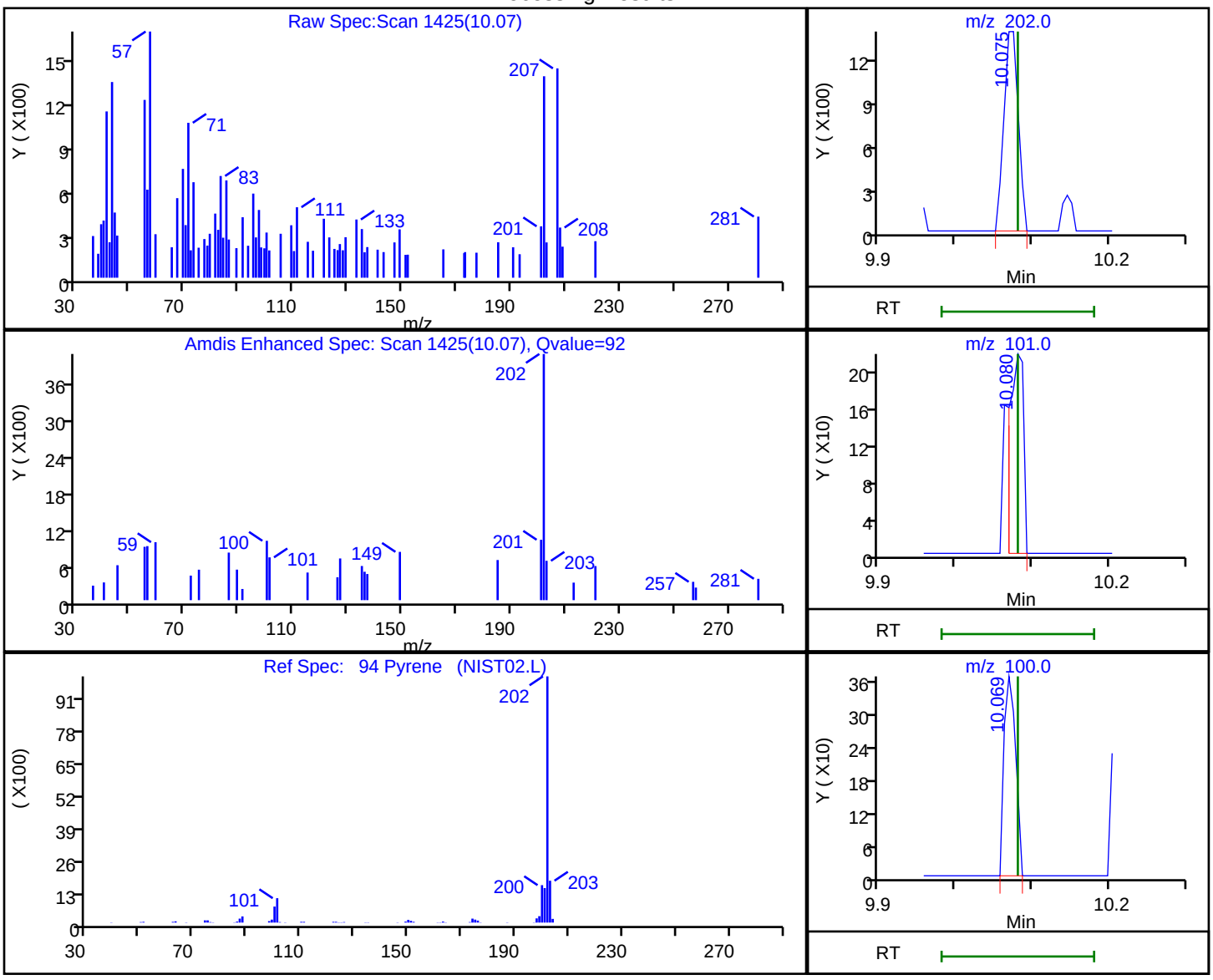
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163885.D				
Injection Date:	16-Sep-2019 05:02:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191322-F-2-A	Lab Sample ID:	460-191322-2		
Client ID:	MW-20D 091219				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
10.07	202.00	1740	0.003901
10.08	101.00	271	
10.07	100.00	385	

Reviewer: croccom, 16-Sep-2019 08:45:16

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-636864/9	A163576.D
Level 2	STD02 460-636864/8	A163575.D
Level 3	STD1 460-636864/7	A163574.D
Level 4	STD2 460-636864/6	A163573.D
Level 5	STD4 460-636864/5	A163572.D
Level 6	ICIS 460-636864/2	A163569.D
Level 7	STD16 460-636864/4	A163571.D
Level 8	STD24 460-636864/3	A163570.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5469	0.5573	0.5519 0.5431	0.5838	0.5581	Ave		0.5569				2.6		20.0			
N-Nitrosodimethylamine	0.8367	0.8373	0.8160 0.8431	0.8461	0.8700	Ave		0.8415				2.1		20.0			
Pyridine	1.1896	1.2322	1.1104 1.2683	1.2271	1.2334	Ave		1.2102				4.5		20.0			
Phenol	1.7199	1.6961	1.7190 1.8090	1.7710	1.7686	Ave		1.7473			0.8000	2.4		20.0			
Aniline	2.0901	2.0884	2.0511 2.1564	2.1121	2.1688	Ave		2.1112				2.1		20.0			
Bis(2-chloroethyl)ether	1.4053 1.2997	1.3003 1.2951	1.3233 1.3047	1.3486	1.3547	Ave		1.3289			0.7000	2.9		20.0			
2-Chlorophenol	1.4579	1.4490	1.4686 1.4526	1.5256	1.5484	Ave		1.4837			0.8000	2.9		20.0			
n-Decane	1.2999	1.3441	1.3120 1.2842	1.3883	1.3784	Ave		1.3345				3.2		20.0			
1,3-Dichlorobenzene	1.5227	1.5493	1.5396 1.5275	1.5879	1.6077	Ave		1.5558				2.2		20.0			
1,4-Dichlorobenzene	1.5387	1.5480	1.5876 1.5303	1.6075	1.6085	Ave		1.5701				2.3		20.0			
Benzyl alcohol	0.8513	0.8367	0.8807 0.8983	0.8654	0.8665	Ave		0.8665				2.5		20.0			
1,2-Dichlorobenzene	1.4507	1.4558	1.5230 1.4393	1.5246	1.5465	Ave		1.4900				3.1		20.0			
2-Methylphenol	1.2253	1.1862	1.2774 1.1951	1.2994	1.2970	Ave		1.2467			0.7000	4.1		20.0			
2,2'-oxybis[1-chloropropane]	1.6027	1.5399	1.7057 1.5026	1.7085	1.6961	Ave		1.6259			0.0100	5.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Methylaniline	2.0286 1.9133	2.0342 1.8013	1.7763 1.8773	1.9542	1.9813	Ave		1.9208				5.1		20.0			
3 & 4 Methylphenol	1.2856	1.1950	1.4238 1.2136	1.4448	1.4077	Ave		1.3284				8.4		20.0			
4-Methylphenol	1.2829	1.1901	1.4162 1.2106	1.4359	1.4073	Ave		1.3238			0.6000	8.3		20.0			
N-Nitrosodi-n-propylamine	0.8751 0.8381	0.9168 0.7960	0.9157 0.8301	0.9203	0.8941	Ave		0.8733			0.5000	5.4		20.0			
Acetophenone	1.7587	1.6298	2.0079 1.6173	1.9615	1.9446	Ave		1.8200			0.0100	9.6		20.0			
Hexachloroethane	0.4947 0.5312	0.5657 0.5411	0.5189 0.5213	0.5475	0.5704	Ave		0.5363			0.3000	4.7		20.0			
Nitrobenzene	0.5991 0.6625	0.6399 0.6257	0.6665 0.6305	0.7164	0.7141	Ave		0.6568			0.2000	6.4		20.0			
n,n'-Dimethylaniline	2.3364 2.0819	2.2127 1.9205	2.1103 1.9400	2.0964	2.1252	Ave		2.1029				6.4		20.0			
Isophorone	0.5989	0.5909 0.6058	0.6175 0.6050	0.6288	0.6180	Ave		0.6093			0.4000	2.1		20.0			
2-Nitrophenol	0.1718	0.1823	0.1415 0.1761	0.1636	0.1723	Ave		0.1679			0.1000	8.5		20.0			
2,4-Dimethylphenol	0.2967	0.2943	0.2998 0.2752	0.3212	0.3109	Ave		0.2997			0.2000	5.2		20.0			
Benzoic acid	0.1303	0.1795	0.0492 0.1916	0.0821	0.1172	Qua	-0.113	0.1306	0.0028171						0.9960		0.9900
Bis(2-chloroethoxy)methane	0.3741	0.3806	0.3864 0.3739	0.4027	0.3843	Ave		0.3837			0.3000	2.8		20.0			
2,4-Dichlorophenol	0.2626	0.2692	0.2570 0.2607	0.2721	0.2739	Ave		0.2659			0.2000	2.6		20.0			
1,2,4-Trichlorobenzene	0.2814 0.2836	0.2980 0.2935	0.2946 0.2755	0.3074	0.2988	Ave		0.2916				3.6		20.0			
Naphthalene	1.0078	1.0127	1.0488 0.9787	1.0827	1.0613	Ave		1.0320			0.7000	3.8		20.0			
4-Chloroaniline	0.4121	0.4041	0.4294 0.3982	0.4386	0.4326	Ave		0.4192			0.0100	4.0		20.0			
Hexachlorobutadiene	0.1285 0.1378	0.1464 0.1438	0.1443 0.1351	0.1540	0.1470	Ave		0.1421			0.0100	5.6		20.0			
4-Chloro-3-methylphenol	0.2577	0.2556	0.2536 0.2508	0.2672	0.2692	Ave		0.2590			0.2000	2.9		20.0			
2-Methylnaphthalene	0.6492	0.6642 0.6339	0.6677 0.6199	0.6891	0.6806	Ave		0.6578			0.4000	3.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.5952	0.5772 0.5894	0.6329 0.5798	0.6345	0.6230	Ave		0.6046				4.1		20.0			
Hexachlorocyclopentadiene	0.3420	0.3492	0.2582 0.3435	0.3101	0.3325	Ave		0.3226			0.0500	10.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.5565	0.5488	0.5743 0.5299	0.5914	0.6042	Ave		0.5675			0.0100	4.9		20.0			
2-tertbutyl-4-methylphenol	0.4087	0.4094 0.3962	0.3981 0.3984	0.4191	0.4000	Ave		0.4043				2.1		20.0			
2,4,6-Trichlorophenol	0.3809	0.2921 0.3876	0.3926 0.4057	0.4267	0.4159	Ave		0.3859			0.2000	11.5		20.0			
2,4,5-Trichlorophenol	0.4366	0.4334	0.4050 0.4151	0.4156	0.4324	Ave		0.4230			0.2000	3.0		20.0			
1,1'-Biphenyl	1.6919	1.6620	1.6882 1.6411	1.7920	1.7490	Ave		1.7040			0.0100	3.3		20.0			
2-Chloronaphthalene	1.2823	1.2706	1.2990 1.2523	1.3711	1.3616	Ave		1.3061			0.8000	3.8		20.0			
Phenyl ether	0.8401	0.8219	0.8708 0.8377	0.8618	0.8465	Ave		0.8465				2.1		20.0			
2-Nitroaniline	0.3919	0.3969	0.3578 0.3999	0.3850	0.4072	Ave		0.3898			0.0100	4.5		20.0			
1,3-Dimethylnaphthalene	1.0673	1.0133	0.9752 1.0154	1.0691	1.0605	Ave		1.0334				3.7		20.0			
Dimethyl phthalate	1.3132	1.3394	1.3672 1.3057	1.4314	1.3845	Ave		1.3569			0.0100	3.5		20.0			
Coumarin	0.1963	0.1948	0.2177 0.1953	0.2115	0.2079	Ave		0.2039				4.8		20.0			
2,6-Dinitrotoluene	0.3017	0.1968 0.3090	0.2733 0.3083	0.3055	0.3141	Lin2	-0.023	0.3097			0.2000				0.9990		0.9900
Acenaphthylene	1.9406	1.9463	1.9063 1.9565	2.0344	2.0081	Ave		1.9654			0.9000	2.4		20.0			
3-Nitroaniline	0.3403	0.3487	0.3253 0.3407	0.3582	0.3643	Ave		0.3463			0.0100	4.0		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.9851	0.9093	0.9891 0.8874	0.9654	0.9265	Ave		0.9438				4.5		20.0			
Acenaphthene	1.2657	1.2819	1.2510 1.1568	1.3162	1.3137	Ave		1.2642			0.9000	4.6		20.0			
2,4-Dinitrophenol	0.1369	0.1624	0.0510 0.1705	0.0869	0.1191	Qua	-0.224	0.1411	0.0007279		0.0100				0.9990		0.9900
4-Nitrophenol	0.2075	0.2219	0.1842 0.2218	0.2086	0.2230	Ave		0.2112			0.0100	7.1		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3732	0.2165 0.3950	0.3420 0.3862	0.3916	0.4043	Lin2	-0.036	0.3938			0.2000				0.9980		0.9900
Dibenzofuran	1.6535	1.6387	1.6974 1.6135	1.7551	1.7220	Ave		1.6800			0.8000	3.2		20.0			
2,3,4,6-Tetrachlorophenol	0.2766	0.2840	0.2578 0.2779	0.2786	0.2842	Ave		0.2765			0.0100	3.5		20.0			
Diethyl phthalate	1.2409	1.2962	1.2846 1.2942	1.4229	1.5509	Ave		1.3483			0.0100	8.6		20.0			
4-Chlorophenyl phenyl ether	0.5424	0.5203	0.5844 0.5012	0.5891	0.5913	Ave		0.5548			0.4000	7.0		20.0			
Fluorene	1.2553	1.2237	1.3192 1.1839	1.3546	1.3374	Ave		1.2790			0.9000	5.3		20.0			
4-Nitroaniline	0.3153	0.3375	0.3102 0.3359	0.3347	0.3475	Ave		0.3302			0.0100	4.3		20.0			
4,6-Dinitro-2-methylphenol	0.1088	0.1297	0.0624 0.1379	0.0891	0.1047	Lin2	-0.139	0.1281			0.0100				0.9920		0.9900
N-Nitrosodiphenylamine	0.6023	0.6090	0.6153 0.6159	0.6434	0.6422	Ave		0.6214			0.0100	2.8		20.0			
1,2-Diphenylhydrazine	0.8224	0.8419	0.8556 0.8429	0.8590	0.8592	Ave		0.8468				1.7		20.0			
4-Bromophenyl phenyl ether	0.2045	0.2062	0.2107 0.2004	0.2214	0.2110	Ave		0.2090			0.1000	3.5		20.0			
Hexachlorobenzene	0.2167 0.2057	0.2308 0.2148	0.2237 0.2069	0.2194	0.2227	Ave		0.2176			0.1000	3.9		20.0			
Pentachlorophenol	0.1199	0.1314	0.1002 0.1313	0.1144	0.1215	Ave		0.1198			0.0500	9.8		20.0			
Pentachloronitrobenzene	0.0853	0.0867	0.0699 0.0870	0.0822	0.0820	Ave		0.0822			0.0100	7.8		20.0			
n-Octadecane	0.4888	0.5080	0.4491 0.4774	0.4833	0.4877	Ave		0.4824				4.0		20.0			
Phenanthrene	1.1268	1.1545	1.2016 1.1314	1.2229	1.2033	Ave		1.1734			0.7000	3.5		20.0			
Anthracene	1.1585	1.1848	1.1870 1.1406	1.2208	1.2212	Ave		1.1855			0.7000	2.7		20.0			
Carbazole	1.0037	1.0497	1.0788 1.0016	1.1050	1.0885	Ave		1.0545			0.0100	4.2		20.0			
Di-n-butyl phthalate	1.2118	1.3047	1.1646 1.2527	1.2963	1.2836	Ave		1.2523			0.0100	4.4		20.0			
Fluoranthene	1.0200	1.0906	1.0772 1.0430	1.1218	1.1243	Ave		1.0795			0.6000	3.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzidine	0.6480	0.6671	0.6376 0.6397	0.5750	0.6357	Ave		0.6339				4.9		20.0			
Pyrene	1.6980	1.6778	1.8591 1.7491	1.7570	1.7784	Ave		1.7532			0.6000	3.7		20.0			
Bisphenol-A	0.5912	0.6174	0.4266 0.6553	0.4643	0.5036	Ave		0.5431				16.8		20.0			
Butyl benzyl phthalate	0.7167	0.7348	0.6784 0.7534	0.7208	0.7325	Ave		0.7228			0.0100	3.5		20.0			
2,3,7,8-TCDD	0.1433					Ave		0.1433						20.0			
Carbamazepine	0.5281	0.5876	0.3403 0.6270	0.4490	0.5001	Lin2	-0.263	0.5911			0.0100				0.9960		0.9900
3,3'-Dichlorobenzidine	0.4673	0.3834 0.5010	0.4585 0.5154	0.4686	0.4884	Ave		0.4690			0.0100	9.1		20.0			
Benzo[a]anthracene	1.4866 1.3027	1.3090 1.2900	1.4213 1.2979	1.3474	1.3590	Ave		1.3518			0.8000	5.2		20.0			
Chrysene	1.2381	1.2572 1.2102	1.3572 1.1803	1.2970	1.3001	Ave		1.2629			0.7000	4.8		20.0			
Bis(2-ethylhexyl) phthalate	0.9492	0.6704 0.9684	0.8535 0.9671	0.9190	0.9552	Ave		0.8975			0.0100	12.0		20.0			
Di-n-octyl phthalate	1.5994	1.6814	1.3029 1.5265	1.6133	1.6620	Ave		1.5643			0.0100	8.9		20.0			
Benzo[b]fluoranthene	1.1583 1.2266	1.2002 1.2420	1.2260 1.1629	1.2953	1.2487	Ave		1.2200			0.7000	3.7		20.0			
Benzo[k]fluoranthene	1.1399 1.2233	1.2611 1.2608	1.2897 1.1860	1.3966	1.4595	Ave		1.2771			0.7000	8.3		20.0			
Benzo[a]pyrene	1.0336 1.1394	1.0014 1.2122	1.0963 1.1696	1.1969	1.2207	Ave		1.1338			0.7000	7.3		20.0			
Indeno[1,2,3-cd]pyrene	0.9067 1.2952	0.9359 1.3931	1.0360 1.6856	1.1629	1.2143	QuaF		0.9710	0.0293186		0.5000				0.9990		0.9900
Dibenz(a,h)anthracene	0.9711 1.2669	1.0980 1.2954	1.0918 1.4833	1.1724	1.2074	Ave		1.1983			0.4000	13.0		20.0			
Benzo[g,h,i]perylene	1.3377	1.3938	1.1198 1.8000	1.2313	1.2578	Ave		1.3567			0.5000	17.4		20.0			
2-Fluorophenol (Surr)	1.3884	1.5503 1.4579	1.3692 1.4284	1.4123	1.3900	Ave		1.4281				4.3		20.0			
Phenol-d5 (Surr)	1.6246	1.7740 1.6332	1.6527 1.6396	1.6772	1.6108	Ave		1.6589				3.3		20.0			
Nitrobenzene-d5 (Surr)	0.3351 0.3464	0.3447 0.3682	0.3296 0.3512	0.3496	0.3369	Ave		0.3452				3.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.7006 1.4712	1.6388 1.5068	1.4464 1.4809	1.5393	1.4764	Ave		1.5326				5.9		20.0			
2,4,6-Tribromophenol (Surr)	 0.1469	0.1089 0.1604	0.1350 0.1562	0.1507	0.1456	Ave		0.1434				12.0		20.0			
Terphenyl-d14 (Surr)	1.1543 1.0684	1.2504 1.1547	1.1077 1.1675	1.1706	1.1477	Ave		1.1526				4.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-636864/9	A163576.D
Level 2	STD02 460-636864/8	A163575.D
Level 3	STD1 460-636864/7	A163574.D
Level 4	STD2 460-636864/6	A163573.D
Level 5	STD4 460-636864/5	A163572.D
Level 6	ICIS 460-636864/2	A163569.D
Level 7	STD16 460-636864/4	A163571.D
Level 8	STD24 460-636864/3	A163570.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	550839	936212	59080 1290608	137837	241872	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	842679	1406536	87363 2003444	199740	377055	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCBd 4	Ave	2396193	4140059	237760 6027445	579396	1069086	20.0	32.0	2.00 48.0	4.00	8.00
Phenol	DCBd 4	Ave	1732145	2849224	184033 4298648	418095	766496	10.0	16.0	1.00 24.0	2.00	4.00
Aniline	DCBd 4	Ave	2105003	3508363	219584 5124211	498640	939964	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	15359 1308950	29384 2175556	141668 3100313	318389	587100	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	1468281	2434197	157230 3451823	360158	671068	10.0	16.0	1.00 24.0	2.00	4.00
n-Decane	DCBd 4	Ave	1309128	2257967	140465 3051557	327750	597411	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCBd 4	Ave	1533571	2602691	164823 3629651	374876	696768	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	1549677	2600429	169967 3636269	379499	697114	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCBd 4	Ave	857413	1405589	94286 2134665	204300	375552	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	1461091	2445525	163046 3420074	359937	670246	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	1234021	1992739	136752 2839756	306761	562120	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	1614125	2586904	182605 3570457	403357	735087	10.0	16.0	1.00 24.0	2.00	4.00
N-Methylaniline	DCBd 4	Ave	22171 1926902	45970 3025956	190167 4461036	461351	858692	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
3 & 4 Methylphenol	DCBd 4	Ave	1294795	2007417	152434 2883855	341098	610091	10.0	16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCBd 4	Ave	1292006	1999264	151613 2876760	338980	609910	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	9564 844034	20719 1337166	98036 1972603	217266	387507	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acetophenone	DCBd 4	Ave	1771263	2737884	214958 3843018	463080	842785	10.0	16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	5407 534968	12783 908983	55549 1238623	129246	247199	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene	DCBd 4	Ave	6548 667235	14462 1051027	71353 1498286	169132	309485	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCBd 4	Ave	25536 2096691	50003 3226258	225923 4609976	494930	921034	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	2334137	53151 3706185	265505 5482445	570222	1050077	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	669615	1115072	60844 1596306	148335	292767	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	1156092	1800550	128889 2493671	291253	528304	10.0	16.0	1.00 24.0	2.00	4.00
Benzoic acid	NPT	Qua	507949	1097915	21146 1736126	74442	199125	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	1457790	2328364	166113 3388332	365203	653017	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	1023450	1646746	110502 2362720	246784	465380	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	12417 1105226	26805 1795369	126678 2496948	278707	507668	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	3927489	6195112	450927 8869109	981791	1803262	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	1606106	2471800	184604 3608933	397689	735088	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	5671 536951	13171 879839	62027 1224124	139628	249819	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Chloro-3-methylphenol	NPT	Ave	1004282	1563639	109052 2272447	242326	457444	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	2530088	59753 3877768	287087 5618120	624834	1156381	10.0	0.200 16.0	1.00 24.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	2319548	51924 3605557	272106 5254716	575327	1058558	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	577136	922856	51157 1323411	123834	242833	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	939041	1450212	113781 2041747	236160	441180	10.0	16.0	1.00 24.0	2.00	4.00
2-tertbutyl-4-methylphenol	NPT	Ave	1592828	36825 2423808	171160 3610513	380025	679607	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	642687	11966 1024375	77794 1563134	170373	303669	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	736641	1145261	80246 1599514	165971	315737	10.0	16.0	1.00 24.0	2.00	4.00
1,1'-Biphenyl	ANT	Ave	2854806	4392105	334483 6323404	715599	1277162	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	2163660	3357781	257373 4825201	547495	994274	10.0	16.0	1.00 24.0	2.00	4.00
Phenyl ether	ANT	Ave	1417592	2171971	172532 3227684	344153	618129	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	661353	1048968	70889 1540973	153758	297375	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dimethylnaphthalene	ANT	Ave	1800931	2677760	193206 3912352	426900	774379	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	2215831	3539531	270887 5031190	571580	1010987	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	764926	1191554	93606 1769586	191768	353330	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	509123	8064 816629	54145 1188050	121993	229365	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	3274579	5143388	377697 7538693	812379	1466372	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	574264	921599	64451 1312664	143020	266054	10.0	16.0	1.00 24.0	2.00	4.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1662188	2403025	195976 3419220	385509	676536	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	2135684	3387569	247863 4457465	525579	959274	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Qua	461951	858583	20223 1313748	69422	173987	20.0	32.0	2.00 48.0	4.00	8.00
4-Nitrophenol	ANT	Ave	700103	1172590	72980 1709626	166598	325631	20.0	32.0	2.00 48.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	629734	8871 1043781	67752 1488021	156365	295243	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenzofuran	ANT	Ave	2790023	4330561	336305 6217270	700832	1257427	10.0	16.0	1.00 24.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	466682	750441	51080 1070846	111261	207499	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Diethyl phthalate	ANT	Ave	2093783	3425520	254510 4986681	568189	1132527	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	915199	1375071	115795 1931221	235257	431778	10.0	16.0	1.00 24.0	2.00	4.00
Fluorene	ANT	Ave	2118087	3233803	261363 4561747	540900	976602	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	532103	892031	61453 1294234	133652	253771	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	552055	1021786	37910 1576796	108373	234858	20.0	32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	1527486	2399582	186810 3520222	391475	719982	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	2085854	3317262	259770 4817720	522669	963167	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	518600	812372	63961 1145347	134708	236594	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	6733 521620	14027 846298	67903 1182750	133516	249671	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Pentachlorophenol	PHN	Ave	608321	1035713	60841 1500825	139236	272363	20.0	32.0	2.00 48.0	4.00	8.00
Pentachloronitrobenzene	PHN	Ave	216334	341442	21221 497504	50046	91925	10.0	16.0	1.00 24.0	2.00	4.00
n-Octadecane	PHN	Ave	1239670	2001475	136344 2728679	294090	546783	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	2857962	4548795	364805 6466219	744112	1348953	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	2938273	4667975	360358 6519060	742836	1369062	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	2545554	4135675	327505 5724581	672377	1220225	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	3073419	5140616	353554 7159720	788763	1439010	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	2586983	4296748	327022 5961049	682616	1260379	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Ave	1643471	2628276	193587 3656394	349867	712650	10.0	16.0	1.00 24.0	2.00	4.00
Pyrene	CRY	Ave	2613607	4309842	340524 6085996	692450	1287603	10.0	16.0	1.00 24.0	2.00	4.00
Bisphenol-A	CRY	Ave	910038	1586078	78131 2280053	182993	364595	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	1103136	1887517	124260 2621451	284078	530333	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,3,7,8-TCDD	CRY	Ave	2205					0.100				
Carbamazepine	CRY	Lin2	812899	1509351	62334 2181474	176946	362068	10.0	16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	719290	14205 1287043	83981 1793223	184690	353634	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]anthracene	CRY	Ave	29912 2005145	48501 3313708	260344 4516178	531022	983943	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	1905691	46580 3108721	248592 4106691	511170	941250	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1461047	24838 2487731	156331 3364888	362190	691538	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	2424828	4360632	232590 6183160	580517	1104744	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	21227 1859599	42121 3220918	218866 4710403	466118	829987	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	20890 1854651	44256 3269656	230223 4803678	502567	970135	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	18942 1727396	35145 3143713	195699 4737272	430710	811378	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	QuaF	16616 1963597	32846 3612805	184947 6827533	418464	807145	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	17796 1920836	38532 3359589	194903 6008109	421886	802553	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	2028114	3614776	199896 7290750	443067	836036	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	1398336	35034 2449149	146582 3394292	333431	602424	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	1636208	40091 2743581	176935 3895984	395958	698100	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	14785 1350029	31011 2252168	141729 3182611	317037	572399	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	34892 2482392	67144 3982055	286578 5706319	614678	1078088	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	247938	4463 423836	26756 601939	60166	106309	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Terphenyl-d14 (Surr)	CRY	Ave	23226 1644420	46328 2966068	202899 4062158	461332	830926	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

Curve Type Legend:

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163569.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 04-Sep-2019 11:06:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:25 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 05-Sep-2019 12:26:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.075	2.075	0.000	94	550839	10.0	9.82	
2 N-Nitrosodimethylamine	74	2.257	2.257	0.000	92	842679	10.0	9.94	
3 Pyridine	79	2.293	2.293	0.000	94	2396193	20.0	19.7	
$ 4 2-Fluorophenol	112	3.298	3.298	0.000	97	1398336	10.0	9.72	
$ 6 Phenol-d5	99	4.145	4.145	0.000	0	1636208	10.0	9.79	
7 Phenol	94	4.157	4.157	0.000	98	1732145	10.0	9.84	
8 Aniline	93	4.193	4.193	0.000	97	2105003	10.0	9.90	
9 Bis(2-chloroethyl)ether	93	4.245	4.245	0.000	99	1308950	10.0	9.78	
10 Benzonitrile	103	4.269	4.269	0.000	98	2724208	NC	NC	
11 2-Chlorophenol	128	4.310	4.310	0.000	98	1468281	10.0	9.83	
12 n-Decane	43	4.351	4.351	0.000	90	1309128	10.0	9.74	
13 1,3-Dichlorobenzene	146	4.457	4.457	0.000	96	1533571	10.0	9.79	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	805703	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.522	4.522	0.000	95	1549677	10.0	9.80	
16 Benzyl alcohol	108	4.628	4.628	0.000	95	857413	10.0	9.83	
17 1,2-Dichlorobenzene	146	4.669	4.669	0.000	96	1461091	10.0	9.74	
18 2-Methylphenol	108	4.728	4.728	0.000	92	1234021	10.0	9.83	
19 2,2'-oxybis[1-chloropropan	45	4.757	4.757	0.000	94	1614125	10.0	9.86	
20 N-Methylaniline	106	4.875	4.875	0.000	91	1926902	10.0	9.96	
23 3 & 4 Methylphenol	108	4.875	4.875	0.000	83	1294795	10.0	9.68	
24 4-Methylphenol	108	4.875	4.875	0.000	80	1292006	10.0	9.69	
22 N-Nitrosodi-n-propylamine	70	4.881	4.881	0.000	89	844034	10.0	9.60	
21 Acetophenone	105	4.881	4.881	0.000	89	1771263	10.0	9.66	
25 Hexachloroethane	117	4.987	4.987	0.000	95	534968	10.0	9.90	
$ 27 Nitrobenzene-d5	82	5.022	5.022	0.000	85	1350029	10.0	10.0	
28 Nitrobenzene	123	5.045	5.045	0.000	95	667235	10.0	10.1	
29 n,n'-Dimethylaniline	120	5.045	5.045	0.000	95	2096691	10.0	9.90	
30 Isophorone	82	5.269	5.269	0.000	99	2334137	10.0	9.83	
32 2-Nitrophenol	139	5.345	5.345	0.000	96	669615	10.0	10.2	
33 2,4-Dimethylphenol	122	5.381	5.381	0.000	92	1156092	10.0	9.90	
34 Bis(2-chloroethoxy)methane	93	5.469	5.469	0.000	98	1457790	10.0	9.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.481	5.481	0.000	87	507949	10.0	9.07	
36 2,4-Dichlorophenol	162	5.575	5.575	0.000	97	1023450	10.0	9.88	
37 1,2,4-Trichlorobenzene	180	5.657	5.657	0.000	95	1105226	10.0	9.73	
* 38 Naphthalene-d8	136	5.710	5.710	0.000	98	3117649	8.00	8.00	
39 Naphthalene	128	5.728	5.728	0.000	99	3927489	10.0	9.77	
40 4-Chloroaniline	127	5.775	5.775	0.000	98	1606106	10.0	9.83	
41 Hexachlorobutadiene	225	5.857	5.857	0.000	94	536951	10.0	9.70	
43 4-Chloro-3-methylphenol	107	6.234	6.234	0.000	96	1004282	10.0	9.95	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	86	2530088	10.0	9.87	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	2319548	10.0	9.85	
46 Hexachlorocyclopentadiene	237	6.545	6.545	0.000	96	577136	10.0	10.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.545	6.545	0.000	97	939041	10.0	9.81	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	92	1592828	10.0	10.1	
49 2,4,6-Trichlorophenol	196	6.651	6.651	0.000	90	642687	10.0	9.87	
50 2,4,5-Trichlorophenol	196	6.681	6.681	0.000	97	736641	10.0	10.3	
$ 51 2-Fluorobiphenyl	172	6.734	6.734	0.000	98	2482392	10.0	9.60	
52 1,1'-Biphenyl	154	6.828	6.828	0.000	96	2854806	10.0	9.93	
53 2-Chloronaphthalene	162	6.845	6.845	0.000	97	2163660	10.0	9.82	
54 Phenyl ether	170	6.922	6.922	0.000	87	1417592	10.0	9.93	
55 2-Nitroaniline	65	6.934	6.934	0.000	97	661353	10.0	10.1	
57 1,3-Dimethylnaphthalene	156	7.051	7.051	0.000	93	1800931	10.0	10.3	
59 Dimethyl phthalate	163	7.116	7.116	0.000	99	2215831	10.0	9.68	
60 Coumarin	146	7.133	7.133	0.000	80	764926	10.0	9.63	
61 2,6-Dinitrotoluene	165	7.163	7.163	0.000	96	509123	10.0	9.82	
62 Acenaphthylene	152	7.233	7.233	0.000	98	3274579	10.0	9.87	
63 3-Nitroaniline	138	7.322	7.322	0.000	98	574264	10.0	9.83	
* 64 Acenaphthene-d10	164	7.369	7.369	0.000	94	1349890	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.392	7.392	0.000	98	1662188	10.0	10.4	
66 Acenaphthene	154	7.398	7.398	0.000	95	2135684	10.0	10.0	
67 2,4-Dinitrophenol	184	7.422	7.422	0.000	97	461951	20.0	19.1	
68 4-Nitrophenol	65	7.481	7.481	0.000	90	700103	20.0	19.6	
69 2,4-Dinitrotoluene	165	7.545	7.545	0.000	96	629734	10.0	9.57	
70 Dibenzofuran	168	7.563	7.563	0.000	96	2790023	10.0	9.84	
72 2,3,4,6-Tetrachlorophenol	232	7.681	7.681	0.000	93	466682	10.0	10.0	
73 Diethyl phthalate	149	7.781	7.781	0.000	98	2093783	10.0	9.20	
74 4-Chlorophenyl phenyl ethe	204	7.880	7.880	0.000	88	915199	10.0	9.78	
75 Fluorene	166	7.886	7.886	0.000	95	2118087	10.0	9.81	
76 4-Nitroaniline	138	7.904	7.904	0.000	89	532103	10.0	9.55	
77 4,6-Dinitro-2-methylphenol	198	7.928	7.928	0.000	86	552055	20.0	18.1	
78 N-Nitrosodiphenylamine	169	7.992	7.992	0.000	80	1527486	10.0	9.69	
79 1,2-Diphenylhydrazine	77	8.033	8.033	0.000	98	2085854	10.0	9.71	
$ 80 2,4,6-Tribromophenol	330	8.110	8.110	0.000	93	247938	10.0	10.2	
81 4-Bromophenyl phenyl ether	248	8.345	8.345	0.000	88	518600	10.0	9.78	
82 Hexachlorobenzene	284	8.410	8.410	0.000	99	521620	10.0	9.45	
84 Pentachlorophenol	266	8.592	8.592	0.000	92	608321	20.0	20.0	
85 Pentachloronitrobenzene	237	8.604	8.604	0.000	86	216334	10.0	10.4	
86 n-Octadecane	57	8.669	8.669	0.000	92	1239670	10.0	10.1	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2029019	8.00	8.00	
88 Phenanthrene	178	8.786	8.786	0.000	97	2857962	10.0	9.60	
89 Anthracene	178	8.833	8.833	0.000	99	2938273	10.0	9.77	
90 Carbazole	167	8.980	8.980	0.000	96	2545554	10.0	9.52	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	3073419	10.0	9.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.904	9.904	0.000	98	2586983	10.0	9.45	
93 Benzidine	184	10.027	10.027	0.000	99	1643471	10.0	10.2	
94 Pyrene	202	10.116	10.116	0.000	97	2613607	10.0	9.69	
95 Bisphenol-A	213	10.163	10.163	0.000	98	910038	10.0	10.9	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	99	1644420	10.0	9.27	
97 Butyl benzyl phthalate	149	10.769	10.769	0.000	96	1103136	10.0	9.92	
98 2,3,7,8-TCDD	320	10.869	10.869	0.000	89	2205	0.1000	0.1000	
99 Carbamazepine	193	10.880	10.880	0.000	94	812899	10.0	9.38	
100 3,3'-Dichlorobenzidine	252	11.351	11.351	0.000	99	719290	10.0	9.97	
101 Benzo[a]anthracene	228	11.374	11.374	0.000	99	2005145	10.0	9.64	
* 102 Chrysene-d12	240	11.392	11.392	0.000	99	1231352	8.00	8.00	
104 Chrysene	228	11.421	11.421	0.000	99	1905691	10.0	9.80	
103 Bis(2-ethylhexyl) phthalat	149	11.427	11.427	0.000	87	1461047	10.0	10.6	
105 Di-n-octyl phthalate	149	12.263	12.263	0.000	96	2424828	10.0	10.2	
106 Benzo[b]fluoranthene	252	12.751	12.751	0.000	99	1859599	10.0	10.1	
107 Benzo[k]fluoranthene	252	12.792	12.792	0.000	99	1854651	10.0	9.58	
108 Benzo[a]pyrene	252	13.204	13.204	0.000	97	1727396	10.0	10.0	
* 109 Perylene-d12	264	13.286	13.286	0.000	97	1212890	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.857	14.857	0.000	99	1963597	10.0	10.2	
111 Dibenz(a,h)anthracene	278	14.892	14.892	0.000	96	1920836	10.0	10.6	
112 Benzo[g,h,i]perylene	276	15.298	15.298	0.000	97	2028114	10.0	9.86	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL6_00055 Amount Added: 1.00 Units: mL

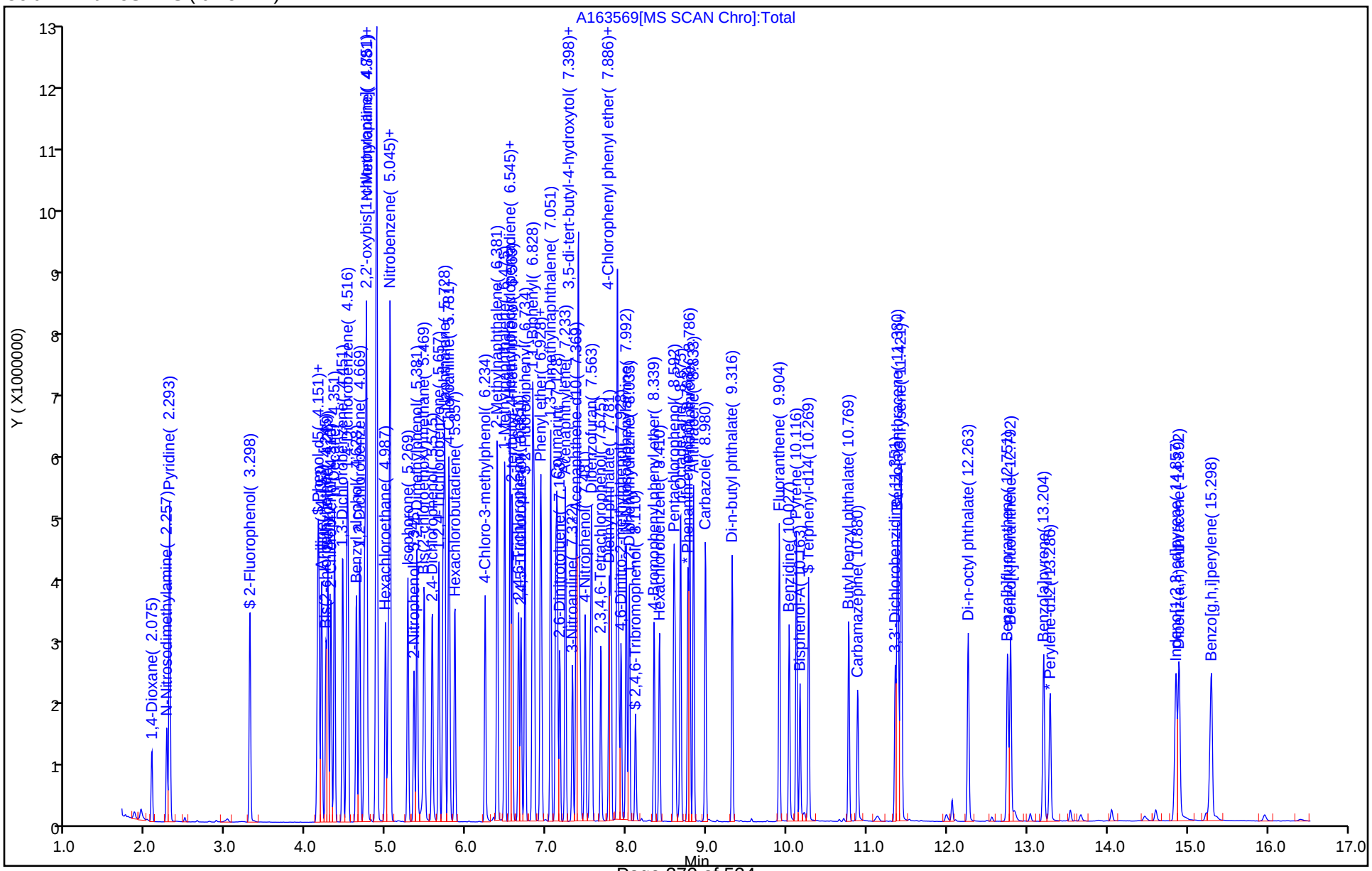
Report Date: 05-Sep-2019 12:29:26 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163569.D

Injection Date:	04-Sep-2019 11:06:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	icis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 05-Sep-2019 12:29:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163570.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Sep-2019 11:29:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-003
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:33 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 11:52:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.058	2.075	-0.017	94	1290608	24.0	23.4	
2 N-Nitrosodimethylamine	74	2.257	2.257	0.000	92	2003444	24.0	24.0	
3 Pyridine	79	2.287	2.293	-0.006	94	6027445	48.0	50.3	
$ 4 2-Fluorophenol	112	3.299	3.298	0.001	97	3394292	24.0	24.0	
$ 6 Phenol-d5	99	4.151	4.145	0.006	0	3895984	24.0	23.7	
7 Phenol	94	4.169	4.157	0.012	98	4298648	24.0	24.8	
8 Aniline	93	4.199	4.193	0.007	98	5124211	24.0	24.5	
9 Bis(2-chloroethyl)ether	93	4.251	4.245	0.006	98	3100313	24.0	23.6	
10 Benzonitrile	103	4.281	4.269	0.012	98	6343589	NC	NC	
11 2-Chlorophenol	128	4.310	4.310	0.000	99	3451823	24.0	23.5	
12 n-Decane	43	4.351	4.351	0.000	90	3051557	24.0	23.1	
13 1,3-Dichlorobenzene	146	4.457	4.457	0.000	96	3629651	24.0	23.6	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	792084	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.522	4.522	0.000	95	3636269	24.0	23.4	
16 Benzyl alcohol	108	4.634	4.628	0.006	95	2134665	24.0	24.9	
17 1,2-Dichlorobenzene	146	4.669	4.669	0.000	97	3420074	24.0	23.2	
18 2-Methylphenol	108	4.734	4.728	0.006	92	2839756	24.0	23.0	
19 2,2'-oxybis[1-chloropropan	45	4.757	4.757	0.000	95	3570457	24.0	22.2	
20 N-Methylaniline	106	4.875	4.875	0.000	90	4461036	24.0	23.5	
23 3 & 4 Methylphenol	108	4.887	4.875	0.012	79	2883855	24.0	21.9	
24 4-Methylphenol	108	4.887	4.875	0.012	75	2876760	24.0	21.9	
22 N-Nitrosodi-n-propylamine	70	4.893	4.881	0.012	85	1972603	24.0	22.8	
21 Acetophenone	105	4.887	4.881	0.006	91	3843018	24.0	21.3	
25 Hexachloroethane	117	4.987	4.987	0.000	96	1238623	24.0	23.3	
$ 27 Nitrobenzene-d5	82	5.034	5.022	0.012	87	3182611	24.0	24.4	
28 Nitrobenzene	123	5.051	5.045	0.006	95	1498286	24.0	23.0	
29 n,n'-Dimethylaniline	120	5.051	5.045	0.006	94	4609976	24.0	22.1	
30 Isophorone	82	5.281	5.269	0.012	99	5482445	24.0	23.8	
32 2-Nitrophenol	139	5.346	5.345	0.001	95	1596306	24.0	25.2	
33 2,4-Dimethylphenol	122	5.387	5.381	0.006	93	2493671	24.0	22.0	
34 Bis(2-chloroethoxy)methane	93	5.475	5.469	0.006	97	3388332	24.0	23.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.528	5.481	0.047	87	1736126	24.0	23.8	
36 2,4-Dichlorophenol	162	5.575	5.575	0.000	97	2362720	24.0	23.5	
37 1,2,4-Trichlorobenzene	180	5.657	5.657	0.000	94	2496948	24.0	22.7	
* 38 Naphthalene-d8	136	5.710	5.710	0.000	98	3020812	8.00	8.00	
39 Naphthalene	128	5.734	5.728	0.006	99	8869109	24.0	22.8	
40 4-Chloroaniline	127	5.781	5.775	0.006	98	3608933	24.0	22.8	
41 Hexachlorobutadiene	225	5.857	5.857	0.000	94	1224124	24.0	22.8	
43 4-Chloro-3-methylphenol	107	6.240	6.234	0.006	96	2272447	24.0	23.2	
44 2-Methylnaphthalene	142	6.387	6.381	0.006	86	5618120	24.0	22.6	
45 1-Methylnaphthalene	142	6.481	6.475	0.006	93	5254716	24.0	23.0	
46 Hexachlorocyclopentadiene	237	6.545	6.545	0.000	97	1323411	24.0	25.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.551	6.545	0.006	97	2041747	24.0	22.4	
48 2-tertbutyl-4-methylphenol	149	6.575	6.569	0.006	92	3610513	24.0	23.7	
49 2,4,6-Trichlorophenol	196	6.651	6.651	0.000	90	1563134	24.0	25.2	
50 2,4,5-Trichlorophenol	196	6.687	6.681	0.006	97	1599514	24.0	23.6	
$ 51 2-Fluorobiphenyl	172	6.734	6.734	0.000	98	5706319	24.0	23.2	
52 1,1'-Biphenyl	154	6.828	6.828	0.000	95	6323404	24.0	23.1	
53 2-Chloronaphthalene	162	6.845	6.845	0.000	98	4825201	24.0	23.0	
54 Phenyl ether	170	6.928	6.922	0.006	87	3227684	24.0	23.8	
55 2-Nitroaniline	65	6.940	6.934	0.006	97	1540973	24.0	24.6	
57 1,3-Dimethylnaphthalene	156	7.051	7.051	0.000	93	3912352	24.0	23.6	
59 Dimethyl phthalate	163	7.122	7.116	0.006	99	5031190	24.0	23.1	
60 Coumarin	146	7.140	7.133	0.007	81	1769586	24.0	23.0	
61 2,6-Dinitrotoluene	165	7.175	7.163	0.012	94	1188050	24.0	24.0	
62 Acenaphthylene	152	7.240	7.233	0.007	98	7538693	24.0	23.9	
63 3-Nitroaniline	138	7.328	7.322	0.006	98	1312664	24.0	23.6	
* 64 Acenaphthene-d10	164	7.369	7.369	0.000	93	1284390	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.398	7.392	0.006	98	3419220	24.0	22.6	
66 Acenaphthene	154	7.404	7.398	0.006	95	4457465	24.0	22.0	
67 2,4-Dinitrophenol	184	7.428	7.422	0.006	96	1313748	48.0	47.8	
68 4-Nitrophenol	65	7.492	7.481	0.011	90	1709626	48.0	50.4	
69 2,4-Dinitrotoluene	165	7.551	7.545	0.006	96	1488021	24.0	23.6	
70 Dibenzofuran	168	7.569	7.563	0.006	97	6217270	24.0	23.1	
72 2,3,4,6-Tetrachlorophenol	232	7.681	7.681	0.001	92	1070846	24.0	24.1	
73 Diethyl phthalate	149	7.787	7.781	0.007	98	4986681	24.0	23.0	
74 4-Chlorophenyl phenyl ethe	204	7.887	7.880	0.007	87	1931221	24.0	21.7	
75 Fluorene	166	7.887	7.886	0.001	95	4561747	24.0	22.2	
76 4-Nitroaniline	138	7.922	7.904	0.018	88	1294234	24.0	24.4	
77 4,6-Dinitro-2-methylphenol	198	7.945	7.928	0.017	87	1576796	48.0	52.8	
78 N-Nitrosodiphenylamine	169	7.998	7.992	0.006	81	3520222	24.0	23.8	
79 1,2-Diphenylhydrazine	77	8.039	8.033	0.006	98	4817720	24.0	23.9	
$ 80 2,4,6-Tribromophenol	330	8.116	8.110	0.006	93	601939	24.0	26.1	
81 4-Bromophenyl phenyl ether	248	8.345	8.345	0.000	87	1145347	24.0	23.0	
82 Hexachlorobenzene	284	8.410	8.410	0.000	99	1182750	24.0	22.8	
84 Pentachlorophenol	266	8.592	8.592	0.000	93	1500825	48.0	52.6	
85 Pentachloronitrobenzene	237	8.610	8.604	0.006	87	497504	24.0	25.4	
86 n-Octadecane	57	8.675	8.669	0.006	90	2728679	24.0	23.8	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	99	1905128	8.00	8.00	
88 Phenanthrene	178	8.792	8.786	0.006	97	6466219	24.0	23.1	
89 Anthracene	178	8.839	8.833	0.006	99	6519060	24.0	23.1	
90 Carbazole	167	8.986	8.980	0.006	96	5724581	24.0	22.8	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	7159720	24.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.910	9.904	0.006	98	5961049	24.0	23.2	
93 Benzidine	184	10.033	10.027	0.006	99	3656394	24.0	24.2	
94 Pyrene	202	10.122	10.116	0.006	98	6085996	24.0	23.9	
95 Bisphenol-A	213	10.169	10.163	0.006	98	2280053	24.0	29.0	
$ 96 Terphenyl-d14	244	10.275	10.269	0.006	98	4062158	24.0	24.3	
97 Butyl benzyl phthalate	149	10.775	10.769	0.006	96	2621451	24.0	25.0	
99 Carbamazepine	193	10.892	10.880	0.012	94	2181474	24.0	25.9	
100 3,3'-Dichlorobenzidine	252	11.357	11.351	0.006	99	1793223	24.0	26.4	
101 Benzo[a]anthracene	228	11.380	11.374	0.006	99	4516178	24.0	23.0	
* 102 Chrysene-d12	240	11.392	11.392	0.000	99	1159833	8.00	8.00	
104 Chrysene	228	11.427	11.421	0.006	99	4106691	24.0	22.4	
103 Bis(2-ethylhexyl) phthalat	149	11.433	11.427	0.006	87	3364888	24.0	25.9	
105 Di-n-octyl phthalate	149	12.263	12.263	0.000	96	6183160	24.0	23.4	
106 Benzo[b]fluoranthene	252	12.763	12.751	0.012	99	4710403	24.0	22.9	
107 Benzo[k]fluoranthene	252	12.804	12.792	0.012	99	4803678	24.0	22.3	
108 Benzo[a]pyrene	252	13.216	13.204	0.012	97	4737272	24.0	24.8	
* 109 Perylene-d12	264	13.286	13.286	0.000	98	1350143	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.880	14.857	0.023	99	6827533	24.0	24.1	
111 Dibenz(a,h)anthracene	278	14.921	14.892	0.029	96	6008109	24.0	29.7	
112 Benzo[g,h,i]perylene	276	15.333	15.298	0.035	97	7290750	24.0	31.8	
S 119 Total Cresols	1				0			44.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL8_00020 Amount Added: 1.00 Units: mL

Report Date: 05-Sep-2019 12:29:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163570.D

Injection Date: 04-Sep-2019 11:29:30 Instrument ID: CBNAMS16 Operator ID:

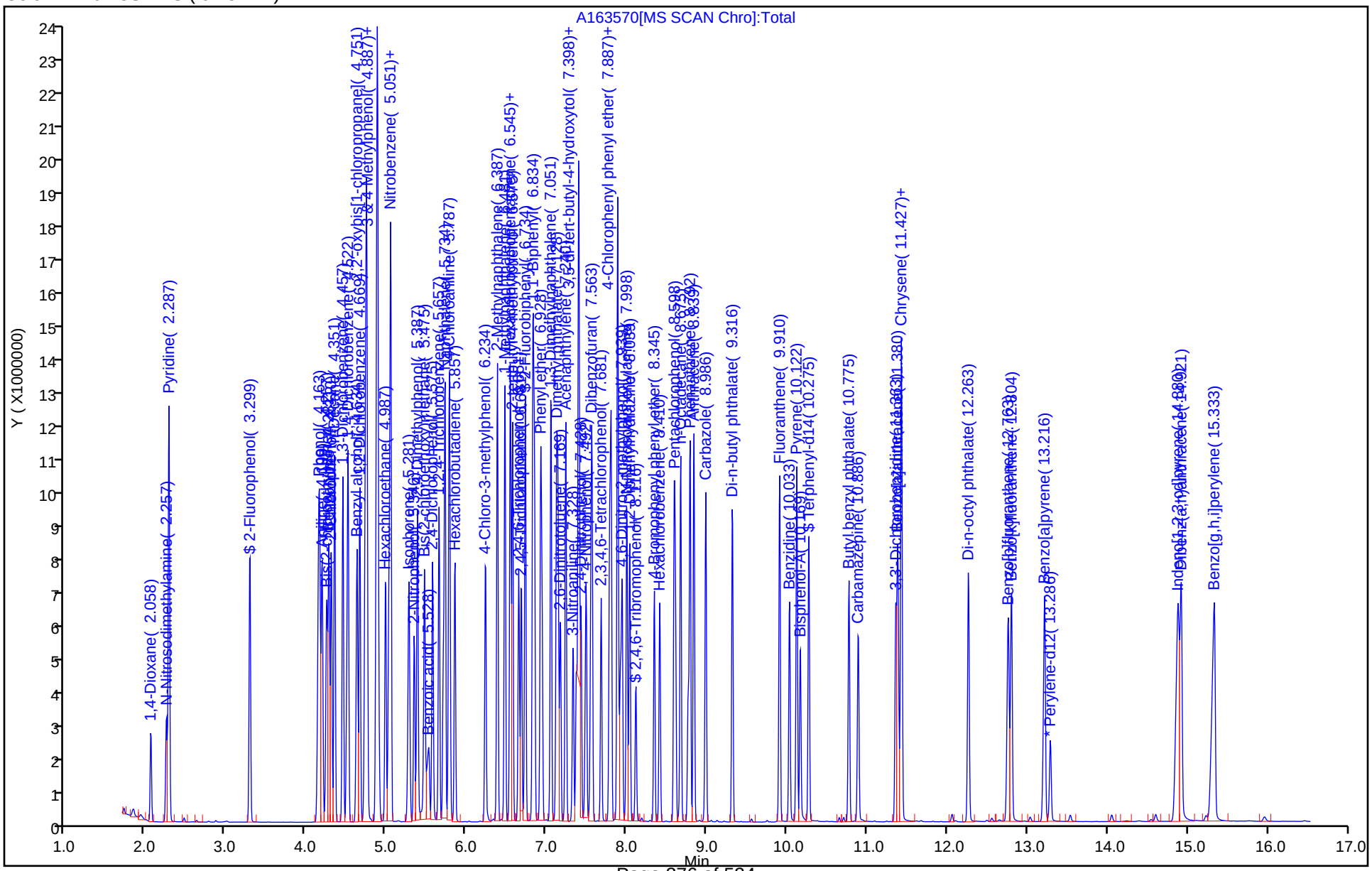
Lims ID: STD24 Worklist Smp#: 3

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163571.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Sep-2019 11:50:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-004
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:41 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 12:11:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.075	2.075	0.000	93	936212	16.0	16.0	
2 N-Nitrosodimethylamine	74	2.263	2.257	0.006	92	1406536	16.0	15.9	
3 Pyridine	79	2.293	2.293	0.000	94	4140059	32.0	32.6	
$ 4 2-Fluorophenol	112	3.299	3.298	0.001	97	2449149	16.0	16.3	
$ 6 Phenol-d5	99	4.146	4.145	0.001	0	2743581	16.0	15.8	
7 Phenol	94	4.163	4.157	0.006	98	2849224	16.0	15.5	
8 Aniline	93	4.193	4.193	0.001	99	3508363	16.0	15.8	
9 Bis(2-chloroethyl)ether	93	4.252	4.245	0.007	98	2175556	16.0	15.6	
10 Benzonitrile	103	4.275	4.269	0.006	98	4324383	NC	NC	
11 2-Chlorophenol	128	4.310	4.310	0.000	98	2434197	16.0	15.6	
12 n-Decane	43	4.352	4.351	0.001	90	2257967	16.0	16.1	
13 1,3-Dichlorobenzene	146	4.457	4.457	0.000	96	2602691	16.0	15.9	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	94	839948	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.522	4.522	0.000	96	2600429	16.0	15.8	
16 Benzyl alcohol	108	4.628	4.628	0.000	95	1405589	16.0	15.4	
17 1,2-Dichlorobenzene	146	4.669	4.669	0.000	96	2445525	16.0	15.6	
18 2-Methylphenol	108	4.734	4.728	0.006	92	1992739	16.0	15.2	
19 2,2'-oxybis[1-chloropropan	45	4.757	4.757	0.000	95	2586904	16.0	15.2	
20 N-Methylaniline	106	4.875	4.875	0.000	94	3025956	16.0	15.0	
23 3 & 4 Methylphenol	108	4.881	4.875	0.006	82	2007417	16.0	14.4	
24 4-Methylphenol	108	4.881	4.875	0.006	80	1999264	16.0	14.4	
22 N-Nitrosodi-n-propylamine	70	4.887	4.881	0.006	88	1337166	16.0	14.6	
21 Acetophenone	105	4.887	4.881	0.006	91	2737884	16.0	14.3	
25 Hexachloroethane	117	4.987	4.987	0.000	95	908983	16.0	16.1	
$ 27 Nitrobenzene-d5	82	5.028	5.022	0.006	86	2252168	16.0	17.1	
28 Nitrobenzene	123	5.046	5.045	0.001	95	1051027	16.0	15.2	
29 n,n'-Dimethylaniline	120	5.052	5.045	0.007	94	3226258	16.0	14.6	
30 Isophorone	82	5.275	5.269	0.006	99	3706185	16.0	15.9	
32 2-Nitrophenol	139	5.346	5.345	0.001	96	1115072	16.0	17.4	
33 2,4-Dimethylphenol	122	5.381	5.381	0.000	93	1800550	16.0	15.7	
34 Bis(2-chloroethoxy)methane	93	5.469	5.469	0.000	98	2328364	16.0	15.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.499	5.481	0.018	88	1097915	16.0	16.8	
36 2,4-Dichlorophenol	162	5.575	5.575	0.000	97	1646746	16.0	16.2	
37 1,2,4-Trichlorobenzene	180	5.657	5.657	0.000	94	1795369	16.0	16.1	
* 38 Naphthalene-d8	136	5.710	5.710	0.000	98	3058757	8.00	8.00	
39 Naphthalene	128	5.728	5.728	0.000	99	6195112	16.0	15.7	
40 4-Chloroaniline	127	5.775	5.775	0.000	98	2471800	16.0	15.4	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	94	879839	16.0	16.2	
43 4-Chloro-3-methylphenol	107	6.234	6.234	0.000	95	1563639	16.0	15.8	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	86	3877768	16.0	15.4	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	3605557	16.0	15.6	
46 Hexachlorocyclopentadiene	237	6.540	6.545	-0.005	96	922856	16.0	17.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.546	6.545	0.001	97	1450212	16.0	15.5	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	92	2423808	16.0	15.7	
49 2,4,6-Trichlorophenol	196	6.651	6.651	0.000	90	1024375	16.0	16.1	
50 2,4,5-Trichlorophenol	196	6.681	6.681	0.000	97	1145261	16.0	16.4	
$ 51 2-Fluorobiphenyl	172	6.734	6.734	0.000	98	3982055	16.0	15.7	
52 1,1'-Biphenyl	154	6.828	6.828	0.000	95	4392105	16.0	15.6	
53 2-Chloronaphthalene	162	6.846	6.845	0.001	99	3357781	16.0	15.6	
54 Phenyl ether	170	6.922	6.922	0.000	87	2171971	16.0	15.5	
55 2-Nitroaniline	65	6.940	6.934	0.006	97	1048968	16.0	16.3	
57 1,3-Dimethylnaphthalene	156	7.051	7.051	0.000	93	2677760	16.0	15.7	
59 Dimethyl phthalate	163	7.116	7.116	0.000	99	3539531	16.0	15.8	
60 Coumarin	146	7.134	7.133	0.001	79	1191554	16.0	15.3	
61 2,6-Dinitrotoluene	165	7.169	7.163	0.006	95	816629	16.0	16.0	
62 Acenaphthylene	152	7.234	7.233	0.001	98	5143388	16.0	15.8	
63 3-Nitroaniline	138	7.328	7.322	0.006	98	921599	16.0	16.1	
* 64 Acenaphthene-d10	164	7.369	7.369	0.000	94	1321349	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.393	7.392	0.001	97	2403025	16.0	15.4	
66 Acenaphthene	154	7.398	7.398	0.000	94	3387569	16.0	16.2	
67 2,4-Dinitrophenol	184	7.422	7.422	0.000	95	858583	32.0	32.9	
68 4-Nitrophenol	65	7.487	7.481	0.006	90	1172590	32.0	33.6	
69 2,4-Dinitrotoluene	165	7.545	7.545	0.000	96	1043781	16.0	16.1	
70 Dibenzofuran	168	7.563	7.563	0.000	96	4330561	16.0	15.6	
72 2,3,4,6-Tetrachlorophenol	232	7.681	7.681	0.001	93	750441	16.0	16.4	
73 Diethyl phthalate	149	7.781	7.781	0.001	98	3425520	16.0	15.4	
74 4-Chlorophenyl phenyl ethe	204	7.881	7.880	0.001	87	1375071	16.0	15.0	
75 Fluorene	166	7.887	7.886	0.001	95	3233803	16.0	15.3	
76 4-Nitroaniline	138	7.910	7.904	0.006	88	892031	16.0	16.4	
77 4,6-Dinitro-2-methylphenol	198	7.934	7.928	0.006	89	1021786	32.0	33.5	
78 N-Nitrosodiphenylamine	169	7.992	7.992	0.000	81	2399582	16.0	15.7	
79 1,2-Diphenylhydrazine	77	8.034	8.033	0.001	98	3317262	16.0	15.9	
$ 80 2,4,6-Tribromophenol	330	8.110	8.110	0.000	94	423836	16.0	17.9	
81 4-Bromophenyl phenyl ether	248	8.340	8.345	-0.005	88	812372	16.0	15.8	
82 Hexachlorobenzene	284	8.410	8.410	0.000	99	846298	16.0	15.8	
84 Pentachlorophenol	266	8.592	8.592	0.000	93	1035713	32.0	35.1	
85 Pentachloronitrobenzene	237	8.604	8.604	0.000	86	341442	16.0	16.9	
86 n-Octadecane	57	8.669	8.669	0.000	91	2001475	16.0	16.8	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	99	1969991	8.00	8.00	
88 Phenanthrene	178	8.787	8.786	0.001	97	4548795	16.0	15.7	
89 Anthracene	178	8.834	8.833	0.001	99	4667975	16.0	16.0	
90 Carbazole	167	8.981	8.980	0.001	95	4135675	16.0	15.9	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	5140616	16.0	16.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.904	9.904	0.000	98	4296748	16.0	16.2	
93 Benzidine	184	10.028	10.027	0.001	99	2628276	16.0	16.8	
94 Pyrene	202	10.116	10.116	0.000	98	4309842	16.0	15.3	
95 Bisphenol-A	213	10.163	10.163	0.000	98	1586078	16.0	18.2	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	98	2966068	16.0	16.0	
97 Butyl benzyl phthalate	149	10.769	10.769	0.000	95	1887517	16.0	16.3	
99 Carbamazepine	193	10.886	10.880	0.006	94	1509351	16.0	16.4	
100 3,3'-Dichlorobenzidine	252	11.351	11.351	0.000	99	1287043	16.0	17.1	
101 Benzo[a]anthracene	228	11.375	11.374	0.001	99	3313708	16.0	15.3	
* 102 Chrysene-d12	240	11.392	11.392	0.000	99	1284391	8.00	8.00	
104 Chrysene	228	11.422	11.421	0.001	99	3108721	16.0	15.3	
103 Bis(2-ethylhexyl) phthalat	149	11.428	11.427	0.001	87	2487731	16.0	17.3	
105 Di-n-octyl phthalate	149	12.263	12.263	0.000	96	4360632	16.0	17.2	
106 Benzo[b]fluoranthene	252	12.757	12.751	0.006	99	3220918	16.0	16.3	
107 Benzo[k]fluoranthene	252	12.792	12.792	0.000	99	3269656	16.0	15.8	
108 Benzo[a]pyrene	252	13.204	13.204	0.000	97	3143713	16.0	17.1	
* 109 Perylene-d12	264	13.280	13.286	-0.006	97	1296702	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.857	14.857	0.000	99	3612805	16.0	15.6	
111 Dibenz(a,h)anthracene	278	14.898	14.892	0.006	97	3359589	16.0	17.3	
112 Benzo[g,h,i]perylene	276	15.304	15.298	0.006	97	3614776	16.0	16.4	
S 119 Total Cresols	1				0			29.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL7_00020 Amount Added: 1.00 Units: mL

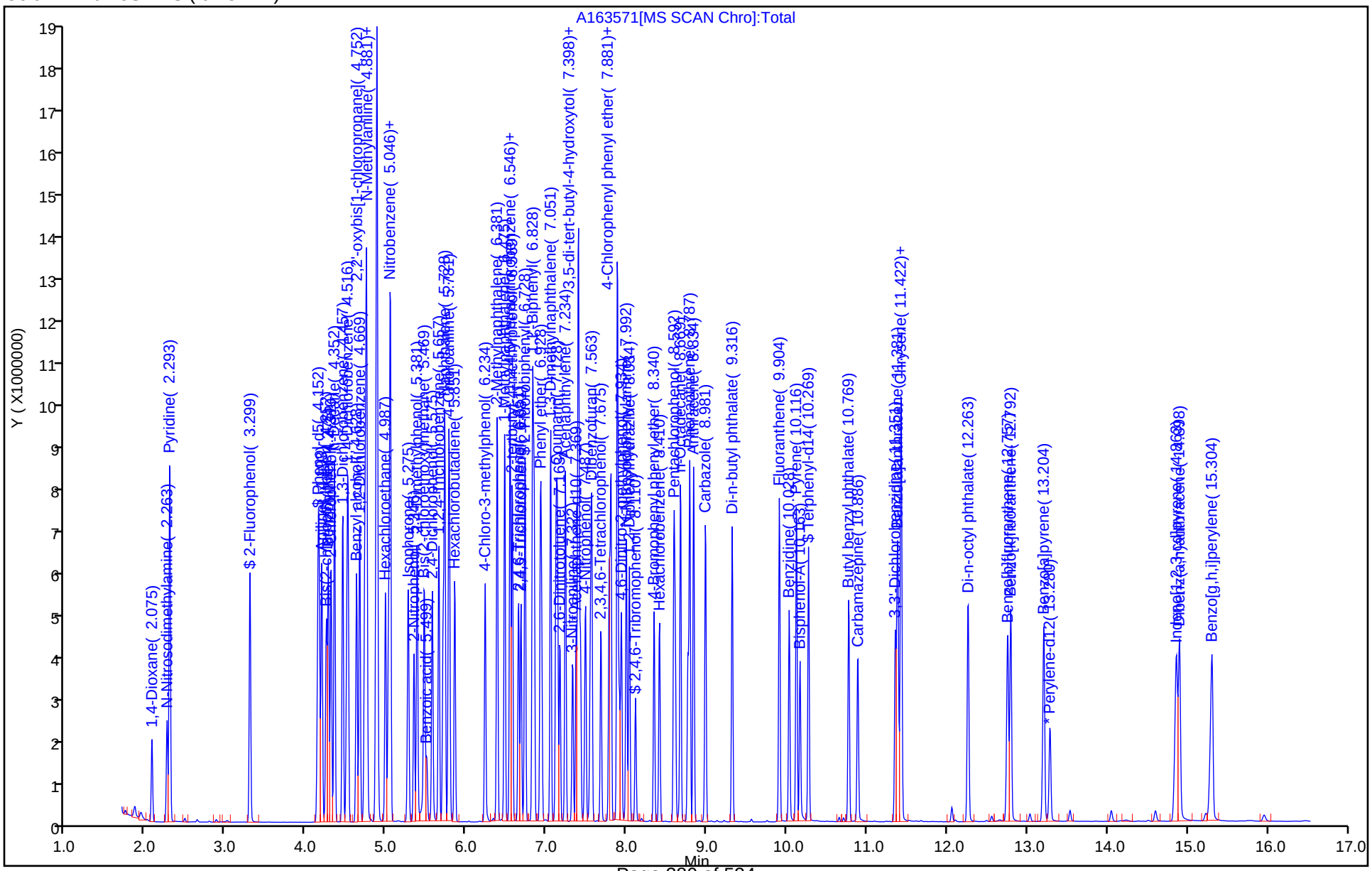
Report Date: 05-Sep-2019 12:29:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163571.D

Injection Date:	04-Sep-2019 11:50:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD16			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163572.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Sep-2019 12:12:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-005
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:48 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 12:35:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.075	2.075	0.000	95	241872	4.00	4.01	
2 N-Nitrosodimethylamine	74	2.258	2.257	0.001	92	377055	4.00	4.14	
3 Pyridine	79	2.299	2.293	0.006	94	1069086	8.00	8.15	
$ 4 2-Fluorophenol	112	3.293	3.298	-0.005	97	602424	4.00	3.89	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	698100	4.00	3.88	
7 Phenol	94	4.146	4.157	-0.011	98	766496	4.00	4.05	
8 Aniline	93	4.187	4.193	-0.005	98	939964	4.00	4.11	
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	98	587100	4.00	4.08	
10 Benzonitrile	103	4.263	4.269	-0.006	97	1174114	NC	NC	
11 2-Chlorophenol	128	4.304	4.310	-0.006	98	671068	4.00	4.17	
12 n-Decane	43	4.352	4.351	0.001	90	597411	4.00	4.13	
13 1,3-Dichlorobenzene	146	4.452	4.457	-0.005	96	696768	4.00	4.13	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	866790	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.516	4.522	-0.006	95	697114	4.00	4.10	
16 Benzyl alcohol	108	4.622	4.628	-0.006	95	375552	4.00	4.00	
17 1,2-Dichlorobenzene	146	4.663	4.669	-0.006	96	670246	4.00	4.15	
18 2-Methylphenol	108	4.722	4.728	-0.006	91	562120	4.00	4.16	
19 2,2'-oxybis[1-chloropropan	45	4.751	4.757	-0.006	94	735087	4.00	4.17	
20 N-Methylaniline	106	4.869	4.875	-0.006	81	858692	4.00	4.13	
23 3 & 4 Methylphenol	108	4.869	4.875	-0.006	84	610091	4.00	4.24	
24 4-Methylphenol	108	4.869	4.875	-0.006	82	609910	4.00	4.25	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	67	387507	4.00	4.10	
21 Acetophenone	105	4.875	4.881	-0.006	89	842785	4.00	4.27	
25 Hexachloroethane	117	4.987	4.987	0.000	95	247199	4.00	4.25	
$ 27 Nitrobenzene-d5	82	5.022	5.022	0.000	85	572399	4.00	3.90	
28 Nitrobenzene	123	5.040	5.045	-0.005	96	309485	4.00	4.35	
29 n,n'-Dimethylaniline	120	5.046	5.045	0.001	93	921034	4.00	4.04	
30 Isophorone	82	5.263	5.269	-0.006	99	1050077	4.00	4.06	
32 2-Nitrophenol	139	5.340	5.345	-0.005	96	292767	4.00	4.10	
33 2,4-Dimethylphenol	122	5.375	5.381	-0.006	93	528304	4.00	4.15	
34 Bis(2-chloroethoxy)methane	93	5.469	5.469	0.000	98	653017	4.00	4.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.446	5.481	-0.035	88	199125	4.00	4.09	
36 2,4-Dichlorophenol	162	5.569	5.575	-0.006	97	465380	4.00	4.12	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	95	507668	4.00	4.10	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3398347	8.00	8.00	
39 Naphthalene	128	5.728	5.728	0.000	99	1803262	4.00	4.11	
40 4-Chloroaniline	127	5.769	5.775	-0.006	98	735088	4.00	4.13	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	94	249819	4.00	4.14	
43 4-Chloro-3-methylphenol	107	6.228	6.234	-0.006	96	457444	4.00	4.16	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	86	1156381	4.00	4.14	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	1058558	4.00	4.12	
46 Hexachlorocyclopentadiene	237	6.540	6.545	-0.005	97	242833	4.00	4.12	
47 1,2,4,5-Tetrachlorobenzene	216	6.545	6.545	0.000	96	441180	4.00	4.26	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	91	679607	4.00	3.96	
49 2,4,6-Trichlorophenol	196	6.645	6.651	-0.006	89	303669	4.00	4.31	
50 2,4,5-Trichlorophenol	196	6.675	6.681	-0.006	98	315737	4.00	4.09	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	98	1078088	4.00	3.85	
52 1,1'-Biphenyl	154	6.822	6.828	-0.006	95	1277162	4.00	4.11	
53 2-Chloronaphthalene	162	6.840	6.845	-0.005	98	994274	4.00	4.17	
54 Phenyl ether	170	6.922	6.922	0.000	86	618129	4.00	4.00	
55 2-Nitroaniline	65	6.934	6.934	0.000	98	297375	4.00	4.18	
57 1,3-Dimethylnaphthalene	156	7.045	7.051	-0.006	93	774379	4.00	4.10	
59 Dimethyl phthalate	163	7.110	7.116	-0.006	99	1010987	4.00	4.08	
60 Coumarin	146	7.128	7.133	-0.005	79	353330	4.00	4.08	
61 2,6-Dinitrotoluene	165	7.157	7.163	-0.006	97	229365	4.00	4.13	
62 Acenaphthylene	152	7.228	7.233	-0.005	98	1466372	4.00	4.09	
63 3-Nitroaniline	138	7.316	7.322	-0.006	97	266054	4.00	4.21	
* 64 Acenaphthene-d10	164	7.369	7.369	0.000	95	1460437	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.387	7.392	-0.005	97	676536	4.00	3.93	
66 Acenaphthene	154	7.398	7.398	0.000	94	959274	4.00	4.16	
67 2,4-Dinitrophenol	184	7.416	7.422	-0.006	94	173987	8.00	8.01	
68 4-Nitrophenol	65	7.475	7.481	-0.006	91	325631	8.00	8.45	
69 2,4-Dinitrotoluene	165	7.540	7.545	-0.005	96	295243	4.00	4.20	
70 Dibenzofuran	168	7.557	7.563	-0.006	96	1257427	4.00	4.10	
72 2,3,4,6-Tetrachlorophenol	232	7.675	7.681	-0.005	91	207499	4.00	4.11	
73 Diethyl phthalate	149	7.775	7.781	-0.005	98	1132527	4.00	4.60	
74 4-Chlorophenyl phenyl ethe	204	7.881	7.880	0.001	80	431778	4.00	4.26	
75 Fluorene	166	7.881	7.886	-0.005	94	976602	4.00	4.18	
76 4-Nitroaniline	138	7.892	7.904	-0.012	89	253771	4.00	4.21	
77 4,6-Dinitro-2-methylphenol	198	7.922	7.928	-0.006	86	234858	8.00	7.63	
78 N-Nitrosodiphenylamine	169	7.987	7.992	-0.005	72	719982	4.00	4.13	
79 1,2-Diphenylhydrazine	77	8.028	8.033	-0.005	98	963167	4.00	4.06	
$ 80 2,4,6-Tribromophenol	330	8.104	8.110	-0.006	93	106309	4.00	4.06	
81 4-Bromophenyl phenyl ether	248	8.339	8.345	-0.006	87	236594	4.00	4.04	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	99	249671	4.00	4.09	
84 Pentachlorophenol	266	8.587	8.592	-0.005	92	272363	8.00	8.11	
85 Pentachloronitrobenzene	237	8.604	8.604	0.000	86	91925	4.00	3.99	
86 n-Octadecane	57	8.669	8.669	0.000	90	546783	4.00	4.04	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2242114	8.00	8.00	
88 Phenanthrene	178	8.781	8.786	-0.005	97	1348953	4.00	4.10	
89 Anthracene	178	8.828	8.833	-0.005	99	1369062	4.00	4.12	
90 Carbazole	167	8.981	8.980	0.001	96	1220225	4.00	4.13	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	1439010	4.00	4.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.904	9.904	0.000	98	1260379	4.00	4.17	
93 Benzidine	184	10.028	10.027	0.001	99	712650	4.00	4.01	
94 Pyrene	202	10.116	10.116	0.000	97	1287603	4.00	4.06	
95 Bisphenol-A	213	10.163	10.163	0.000	98	364595	4.00	3.71	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	98	830926	4.00	3.98	
97 Butyl benzyl phthalate	149	10.769	10.769	0.000	96	530333	4.00	4.05	
99 Carbamazepine	193	10.875	10.880	-0.005	93	362068	4.00	3.83	
100 3,3'-Dichlorobenzidine	252	11.345	11.351	-0.006	99	353634	4.00	4.17	
101 Benzo[a]anthracene	228	11.375	11.374	0.001	99	983943	4.00	4.02	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1448017	8.00	8.00	
104 Chrysene	228	11.416	11.421	-0.005	98	941250	4.00	4.12	
103 Bis(2-ethylhexyl) phthalat	149	11.428	11.427	0.001	87	691538	4.00	4.26	
105 Di-n-octyl phthalate	149	12.257	12.263	-0.006	96	1104744	4.00	4.25	
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	99	829987	4.00	4.09	
107 Benzo[k]fluoranthene	252	12.786	12.792	-0.006	99	970135	4.00	4.57	
108 Benzo[a]pyrene	252	13.198	13.204	-0.006	97	811378	4.00	4.31	
* 109 Perylene-d12	264	13.280	13.286	-0.006	97	1329390	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	98	807145	4.00	4.41	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	96	802553	4.00	4.03	
112 Benzo[g,h,i]perylene	276	15.280	15.298	-0.018	97	836036	4.00	3.71	
S 119 Total Cresols	1				0			8.40	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL5_00028 Amount Added: 1.00 Units: mL

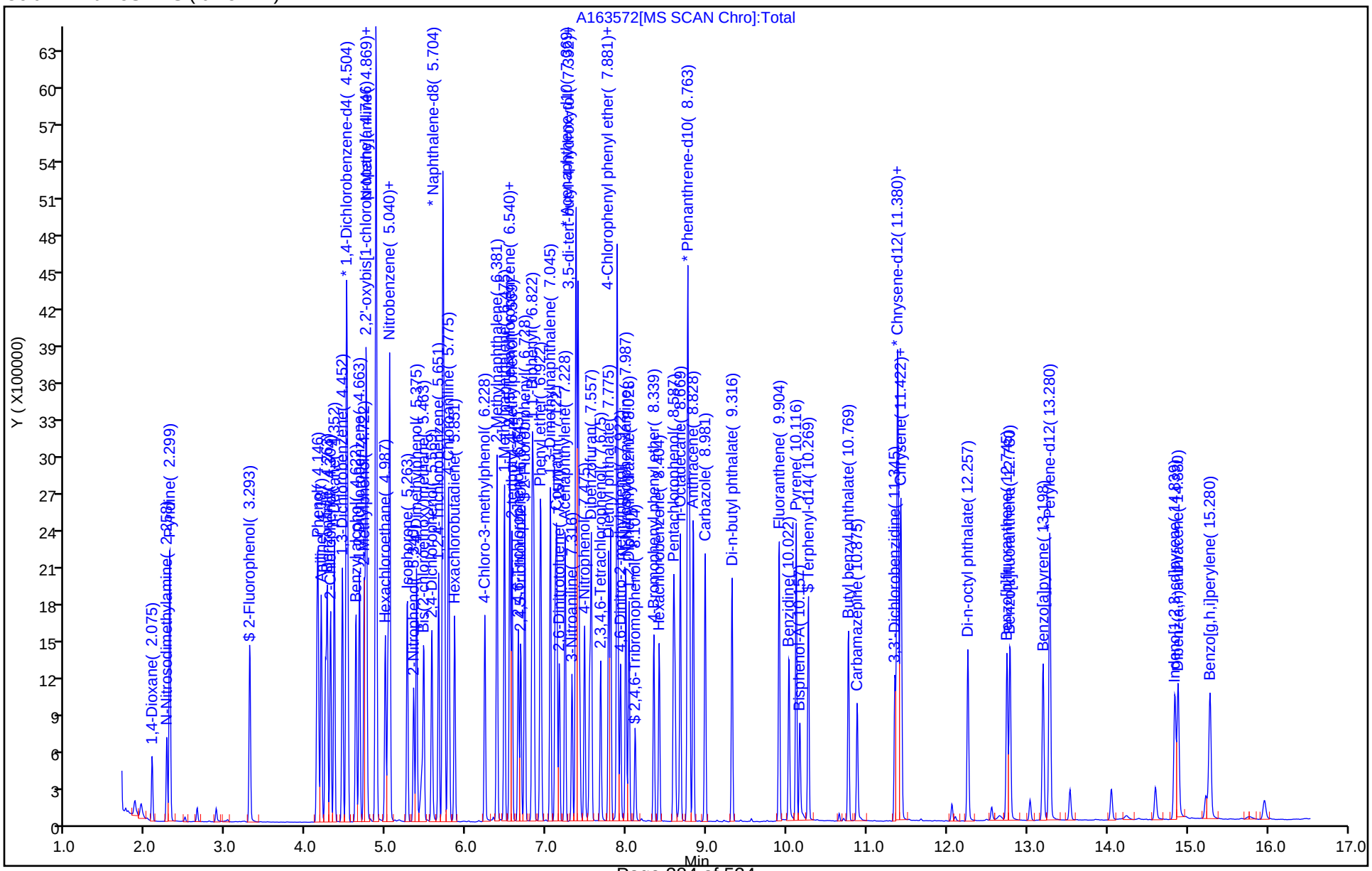
Report Date: 05-Sep-2019 12:29:49 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163572.D

Injection Date:	04-Sep-2019 12:12:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163573.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Sep-2019 12:33:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-006
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:55 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 12:58:00

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	2.081	2.075	0.006	94	137837	2.00	2.10	
2 N-Nitrosodimethylamine	74	2.263	2.257	0.006	91	199740	2.00	2.01	
3 Pyridine	79	2.305	2.293	0.012	94	579396	4.00	4.06	
$ 4 2-Fluorophenol	112	3.299	3.298	0.001	97	333431	2.00	1.98	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	395958	2.00	2.02	
7 Phenol	94	4.146	4.157	-0.011	98	418095	2.00	2.03	
8 Aniline	93	4.187	4.193	-0.005	98	498640	2.00	2.00	
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	98	318389	2.00	2.03	
10 Benzonitrile	103	4.257	4.269	-0.012	98	627414	NC	NC	
11 2-Chlorophenol	128	4.304	4.310	-0.006	98	360158	2.00	2.06	
12 n-Decane	43	4.352	4.351	0.001	90	327750	2.00	2.08	
13 1,3-Dichlorobenzene	146	4.452	4.457	-0.005	95	374876	2.00	2.04	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	944332	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.516	4.522	-0.006	94	379499	2.00	2.05	
16 Benzyl alcohol	108	4.622	4.628	-0.006	95	204300	2.00	2.00	
17 1,2-Dichlorobenzene	146	4.663	4.669	-0.006	96	359937	2.00	2.05	
18 2-Methylphenol	108	4.722	4.728	-0.006	91	306761	2.00	2.08	
19 2,2'-oxybis[1-chloropropan	45	4.752	4.757	-0.005	95	403357	2.00	2.10	
20 N-Methylaniline	106	4.869	4.875	-0.006	78	461351	2.00	2.03	
23 3 & 4 Methylphenol	108	4.869	4.875	-0.006	87	341098	2.00	2.18	
24 4-Methylphenol	108	4.869	4.875	-0.006	89	338980	2.00	2.17	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	83	217266	2.00	2.11	
21 Acetophenone	105	4.875	4.881	-0.006	89	463080	2.00	2.16	
25 Hexachloroethane	117	4.987	4.987	0.000	95	129246	2.00	2.04	
$ 27 Nitrobenzene-d5	82	5.016	5.022	-0.006	87	317037	2.00	2.03	
28 Nitrobenzene	123	5.040	5.045	-0.005	96	169132	2.00	2.18	
29 n,n'-Dimethylaniline	120	5.040	5.045	-0.005	92	494930	2.00	1.99	
30 Isophorone	82	5.257	5.269	-0.012	99	570222	2.00	2.06	
32 2-Nitrophenol	139	5.340	5.345	-0.005	95	148335	2.00	1.95	
33 2,4-Dimethylphenol	122	5.375	5.381	-0.006	93	291253	2.00	2.14	
34 Bis(2-chloroethoxy)methane	93	5.463	5.469	-0.006	97	365203	2.00	2.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.428	5.481	-0.053	87	74442	2.00	2.03	
36 2,4-Dichlorophenol	162	5.569	5.575	-0.006	96	246784	2.00	2.05	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	95	278707	2.00	2.11	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3627195	8.00	8.00	
39 Naphthalene	128	5.722	5.728	-0.006	99	981791	2.00	2.10	
40 4-Chloroaniline	127	5.769	5.775	-0.006	97	397689	2.00	2.09	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	94	139628	2.00	2.17	
43 4-Chloro-3-methylphenol	107	6.228	6.234	-0.006	95	242326	2.00	2.06	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	85	624834	2.00	2.10	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	575327	2.00	2.10	
46 Hexachlorocyclopentadiene	237	6.540	6.545	-0.005	96	123834	2.00	1.92	
47 1,2,4,5-Tetrachlorobenzene	216	6.540	6.545	-0.005	96	236160	2.00	2.08	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	91	380025	2.00	2.07	
49 2,4,6-Trichlorophenol	196	6.646	6.651	-0.005	90	170373	2.00	2.21	
50 2,4,5-Trichlorophenol	196	6.675	6.681	-0.006	97	165971	2.00	1.97	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	98	614678	2.00	2.01	
52 1,1'-Biphenyl	154	6.822	6.828	-0.006	95	715599	2.00	2.10	
53 2-Chloronaphthalene	162	6.840	6.845	-0.005	97	547495	2.00	2.10	
54 Phenyl ether	170	6.922	6.922	0.000	87	344153	2.00	2.04	
55 2-Nitroaniline	65	6.928	6.934	-0.006	98	153758	2.00	1.98	
57 1,3-Dimethylnaphthalene	156	7.045	7.051	-0.006	93	426900	2.00	2.07	
59 Dimethyl phthalate	163	7.104	7.116	-0.012	99	571580	2.00	2.11	
60 Coumarin	146	7.122	7.133	-0.011	79	191768	2.00	2.07	
61 2,6-Dinitrotoluene	165	7.157	7.163	-0.006	96	121993	2.00	2.05	
62 Acenaphthylene	152	7.228	7.233	-0.005	98	812379	2.00	2.07	
63 3-Nitroaniline	138	7.316	7.322	-0.006	98	143020	2.00	2.07	
* 64 Acenaphthene-d10	164	7.363	7.369	-0.006	95	1597281	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.387	7.392	-0.005	98	385509	2.00	2.05	
66 Acenaphthene	154	7.393	7.398	-0.005	95	525579	2.00	2.08	
67 2,4-Dinitrophenol	184	7.410	7.422	-0.012	93	69422	4.00	3.97	
68 4-Nitrophenol	65	7.469	7.481	-0.012	91	166598	4.00	3.95	
69 2,4-Dinitrotoluene	165	7.534	7.545	-0.011	96	156365	2.00	2.08	
70 Dibenzofuran	168	7.557	7.563	-0.006	96	700832	2.00	2.09	
72 2,3,4,6-Tetrachlorophenol	232	7.675	7.681	-0.005	91	111261	2.00	2.02	
73 Diethyl phthalate	149	7.769	7.781	-0.011	99	568189	2.00	2.11	
74 4-Chlorophenyl phenyl ethe	204	7.881	7.880	0.001	75	235257	2.00	2.12	
75 Fluorene	166	7.881	7.886	-0.005	94	540900	2.00	2.12	
76 4-Nitroaniline	138	7.887	7.904	-0.017	92	133652	2.00	2.03	
77 4,6-Dinitro-2-methylphenol	198	7.922	7.928	-0.006	86	108373	4.00	3.87	
78 N-Nitrosodiphenylamine	169	7.987	7.992	-0.005	80	391475	2.00	2.07	
79 1,2-Diphenylhydrazine	77	8.028	8.033	-0.005	98	522669	2.00	2.03	
$ 80 2,4,6-Tribromophenol	330	8.104	8.110	-0.006	93	60166	2.00	2.10	
81 4-Bromophenyl phenyl ether	248	8.340	8.345	-0.005	88	134708	2.00	2.12	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	99	133516	2.00	2.02	
84 Pentachlorophenol	266	8.587	8.592	-0.005	92	139236	4.00	3.82	
85 Pentachloronitrobenzene	237	8.598	8.604	-0.006	87	50046	2.00	2.00	
86 n-Octadecane	57	8.669	8.669	0.000	90	294090	2.00	2.00	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2433895	8.00	8.00	
88 Phenanthrene	178	8.781	8.786	-0.005	97	744112	2.00	2.08	
89 Anthracene	178	8.828	8.833	-0.005	99	742836	2.00	2.06	
90 Carbazole	167	8.975	8.980	-0.005	96	672377	2.00	2.10	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	788763	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.898	9.904	-0.006	98	682616	2.00	2.08	
93 Benzidine	184	10.022	10.027	-0.005	99	349867	2.00	1.81	
94 Pyrene	202	10.116	10.116	0.000	97	692450	2.00	2.00	
95 Bisphenol-A	213	10.157	10.163	-0.006	98	182993	2.00	1.71	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	98	461332	2.00	2.03	
97 Butyl benzyl phthalate	149	10.763	10.769	-0.006	95	284078	2.00	1.99	
99 Carbamazepine	193	10.875	10.880	-0.005	93	176946	2.00	1.96	
100 3,3'-Dichlorobenzidine	252	11.345	11.351	-0.006	99	184690	2.00	2.00	
101 Benzo[a]anthracene	228	11.369	11.374	-0.005	99	531022	2.00	1.99	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1576421	8.00	8.00	
104 Chrysene	228	11.416	11.421	-0.005	98	511170	2.00	2.05	
103 Bis(2-ethylhexyl) phthalat	149	11.428	11.427	0.001	87	362190	2.00	2.05	
105 Di-n-octyl phthalate	149	12.257	12.263	-0.006	96	580517	2.00	2.06	
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	99	466118	2.00	2.12	
107 Benzo[k]fluoranthene	252	12.780	12.792	-0.012	99	502567	2.00	2.19	
108 Benzo[a]pyrene	252	13.192	13.204	-0.012	97	430710	2.00	2.11	
* 109 Perylene-d12	264	13.280	13.286	-0.006	97	1439363	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	98	418464	2.00	2.24	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	96	421886	2.00	1.96	
112 Benzo[g,h,i]perylene	276	15.274	15.298	-0.024	97	443067	2.00	1.82	
S 119 Total Cresols	1				0			4.26	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL4_00041 Amount Added: 1.00 Units: mL

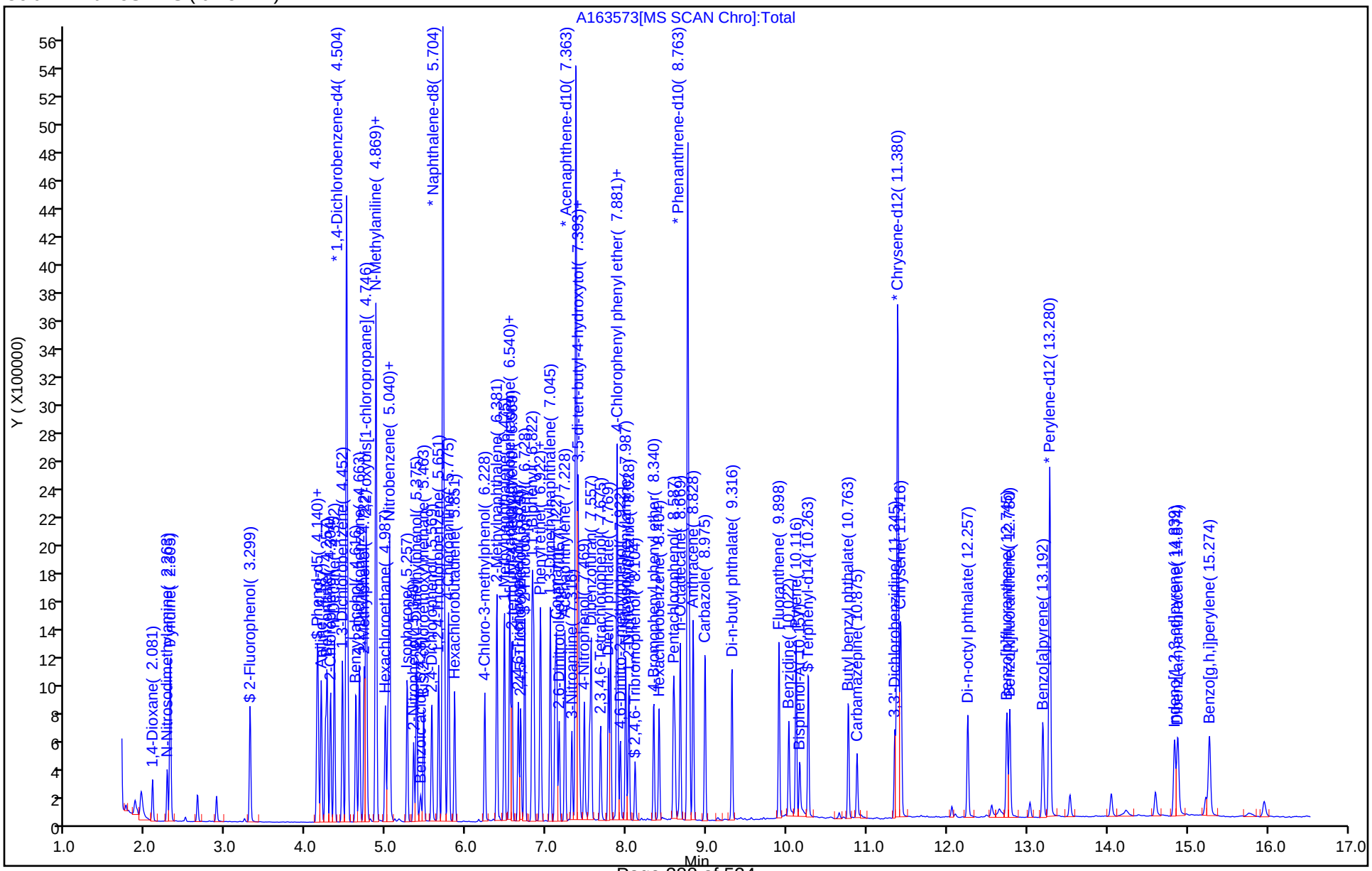
Report Date: 05-Sep-2019 12:29:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163573.D

Injection Date:	04-Sep-2019 12:33:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163574.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Sep-2019 12:54:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-007
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:03 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 13:20:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.063	2.075	-0.012	94	59080	1.00	0.99	
2 N-Nitrosodimethylamine	74	2.251	2.257	-0.006	90	87363	1.00	0.9697	
3 Pyridine	79	2.287	2.293	-0.006	93	237760	2.00	1.84	
$ 4 2-Fluorophenol	112	3.293	3.298	-0.005	97	146582	1.00	0.9588	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	176935	1.00	1.00	
7 Phenol	94	4.145	4.157	-0.012	99	184033	1.00	0.9838	
8 Aniline	93	4.187	4.193	-0.005	99	219584	1.00	0.9715	
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	98	141668	1.00	1.00	
10 Benzonitrile	103	4.257	4.269	-0.012	98	287810	NC	NC	
11 2-Chlorophenol	128	4.304	4.310	-0.006	97	157230	1.00	0.9899	
12 n-Decane	43	4.351	4.351	0.000	89	140465	1.00	0.9832	
13 1,3-Dichlorobenzene	146	4.451	4.457	-0.006	94	164823	1.00	0.9896	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	856462	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.516	4.522	-0.006	93	169967	1.00	1.01	
16 Benzyl alcohol	108	4.616	4.628	-0.012	94	94286	1.00	1.02	
17 1,2-Dichlorobenzene	146	4.663	4.669	-0.006	96	163046	1.00	1.02	
18 2-Methylphenol	108	4.722	4.728	-0.006	90	136752	1.00	1.02	
19 2,2'-oxybis[1-chloropropan	45	4.751	4.757	-0.006	95	182605	1.00	1.05	
20 N-Methylaniline	106	4.863	4.875	-0.012	79	190167	1.00	0.9248	
23 3 & 4 Methylphenol	108	4.869	4.875	-0.006	88	152434	1.00	1.07	
24 4-Methylphenol	108	4.869	4.875	-0.006	84	151613	1.00	1.07	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	67	98036	1.00	1.05	
21 Acetophenone	105	4.875	4.881	-0.006	90	214958	1.00	1.10	
25 Hexachloroethane	117	4.987	4.987	0.000	94	55549	1.00	0.9675	
$ 27 Nitrobenzene-d5	82	5.016	5.022	-0.006	87	141729	1.00	0.9549	
28 Nitrobenzene	123	5.040	5.045	-0.005	95	71353	1.00	1.01	
29 n,n'-Dimethylaniline	120	5.040	5.045	-0.005	92	225923	1.00	1.00	
30 Isophorone	82	5.257	5.269	-0.012	99	265505	1.00	1.01	
32 2-Nitrophenol	139	5.339	5.345	-0.006	95	60844	1.00	0.8426	
33 2,4-Dimethylphenol	122	5.375	5.381	-0.006	92	128889	1.00	1.00	
34 Bis(2-chloroethoxy)methane	93	5.463	5.469	-0.006	98	166113	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.416	5.481	-0.065	87	21146	1.00	1.21	a
36 2,4-Dichlorophenol	162	5.569	5.575	-0.006	96	110502	1.00	0.9665	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	94	126678	1.00	1.01	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3439619	8.00	8.00	
39 Naphthalene	128	5.722	5.728	-0.006	99	450927	1.00	1.02	
40 4-Chloroaniline	127	5.769	5.775	-0.006	97	184604	1.00	1.02	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	94	62027	1.00	1.02	
43 4-Chloro-3-methylphenol	107	6.228	6.234	-0.006	95	109052	1.00	0.9792	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	86	287087	1.00	1.02	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	272106	1.00	1.05	
46 Hexachlorocyclopentadiene	237	6.539	6.545	-0.006	95	51157	1.00	0.8004	
47 1,2,4,5-Tetrachlorobenzene	216	6.539	6.545	-0.006	97	113781	1.00	1.01	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	92	171160	1.00	0.9847	
49 2,4,6-Trichlorophenol	196	6.645	6.651	-0.006	90	77794	1.00	1.02	
50 2,4,5-Trichlorophenol	196	6.675	6.681	-0.006	98	80246	1.00	0.9575	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	98	286578	1.00	0.9438	
52 1,1'-Biphenyl	154	6.822	6.828	-0.006	96	334483	1.00	0.99	
53 2-Chloronaphthalene	162	6.839	6.845	-0.006	97	257373	1.00	0.99	
54 Phenyl ether	170	6.922	6.922	0.000	87	172532	1.00	1.03	
55 2-Nitroaniline	65	6.928	6.934	-0.006	98	70889	1.00	0.9179	
57 1,3-Dimethylnaphthalene	156	7.045	7.051	-0.006	93	193206	1.00	0.9436	
59 Dimethyl phthalate	163	7.104	7.116	-0.012	99	270887	1.00	1.01	
60 Coumarin	146	7.122	7.133	-0.011	80	93606	1.00	1.07	
61 2,6-Dinitrotoluene	165	7.157	7.163	-0.006	96	54145	1.00	0.9563	
62 Acenaphthylene	152	7.228	7.233	-0.005	98	377697	1.00	0.9700	
63 3-Nitroaniline	138	7.316	7.322	-0.006	98	64451	1.00	0.9395	
* 64 Acenaphthene-d10	164	7.363	7.369	-0.006	95	1585026	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.386	7.392	-0.006	97	195976	1.00	1.05	
66 Acenaphthene	154	7.392	7.398	-0.006	95	247863	1.00	0.9896	
67 2,4-Dinitrophenol	184	7.410	7.422	-0.012	94	20223	2.00	2.28	
68 4-Nitrophenol	65	7.469	7.481	-0.012	91	72980	2.00	1.74	
69 2,4-Dinitrotoluene	165	7.533	7.545	-0.012	95	67752	1.00	0.9589	
70 Dibenzofuran	168	7.557	7.563	-0.006	96	336305	1.00	1.01	
72 2,3,4,6-Tetrachlorophenol	232	7.675	7.681	-0.005	92	51080	1.00	0.9324	
73 Diethyl phthalate	149	7.769	7.781	-0.011	98	254510	1.00	0.9528	
74 4-Chlorophenyl phenyl ethe	204	7.881	7.880	0.000	76	115795	1.00	1.05	
75 Fluorene	166	7.881	7.886	-0.006	96	261363	1.00	1.03	
76 4-Nitroaniline	138	7.886	7.904	-0.018	92	61453	1.00	0.9393	
77 4,6-Dinitro-2-methylphenol	198	7.922	7.928	-0.006	84	37910	2.00	2.06	
78 N-Nitrosodiphenylamine	169	7.986	7.992	-0.006	74	186810	1.00	0.99	
79 1,2-Diphenylhydrazine	77	8.028	8.033	-0.005	98	259770	1.00	1.01	
$ 80 2,4,6-Tribromophenol	330	8.104	8.110	-0.006	92	26756	1.00	0.9418	
81 4-Bromophenyl phenyl ether	248	8.339	8.345	-0.006	87	63961	1.00	1.01	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	99	67903	1.00	1.03	
84 Pentachlorophenol	266	8.586	8.592	-0.006	91	60841	2.00	1.67	
85 Pentachloronitrobenzene	237	8.598	8.604	-0.006	86	21221	1.00	0.8504	
86 n-Octadecane	57	8.669	8.669	0.000	90	136344	1.00	0.9310	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2428773	8.00	8.00	
88 Phenanthrene	178	8.780	8.786	-0.006	97	364805	1.00	1.02	
89 Anthracene	178	8.828	8.833	-0.005	99	360358	1.00	1.00	
90 Carbazole	167	8.975	8.980	-0.005	96	327505	1.00	1.02	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	353554	1.00	0.9299	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.898	9.904	-0.006	98	327022	1.00	1.00	
93 Benzidine	184	10.022	10.027	-0.005	100	193587	1.00	1.01	
94 Pyrene	202	10.116	10.116	0.000	97	340524	1.00	1.06	
95 Bisphenol-A	213	10.157	10.163	-0.006	98	78131	1.00	0.7854	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	99	202899	1.00	0.9610	
97 Butyl benzyl phthalate	149	10.769	10.769	0.000	96	124260	1.00	0.9386	
99 Carbamazepine	193	10.874	10.880	-0.006	94	62334	1.00	1.02	
100 3,3'-Dichlorobenzidine	252	11.345	11.351	-0.006	99	83981	1.00	0.9777	
101 Benzo[a]anthracene	228	11.374	11.374	0.000	98	260344	1.00	1.05	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1465347	8.00	8.00	
104 Chrysene	228	11.410	11.421	-0.011	99	248592	1.00	1.07	
103 Bis(2-ethylhexyl) phthalat	149	11.427	11.427	0.000	87	156331	1.00	0.9509	
105 Di-n-octyl phthalate	149	12.257	12.263	-0.006	96	232590	1.00	0.8329	
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	98	218866	1.00	1.00	
107 Benzo[k]fluoranthene	252	12.780	12.792	-0.012	99	230223	1.00	1.01	
108 Benzo[a]pyrene	252	13.192	13.204	-0.012	97	195699	1.00	0.9669	
* 109 Perylene-d12	264	13.280	13.286	-0.006	97	1428118	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	98	184947	1.00	1.03	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	96	194903	1.00	0.9111	
112 Benzo[g,h,i]perylene	276	15.268	15.298	-0.030	97	199896	1.00	0.8253	
S 119 Total Cresols	1				0			2.10	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_BNAL3_00038 Amount Added: 1.00 Units: mL

Report Date: 05-Sep-2019 12:30:08 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163574.D

Injection Date: 04-Sep-2019 12:54:30 Instrument ID: CBNAMS16 Operator ID:

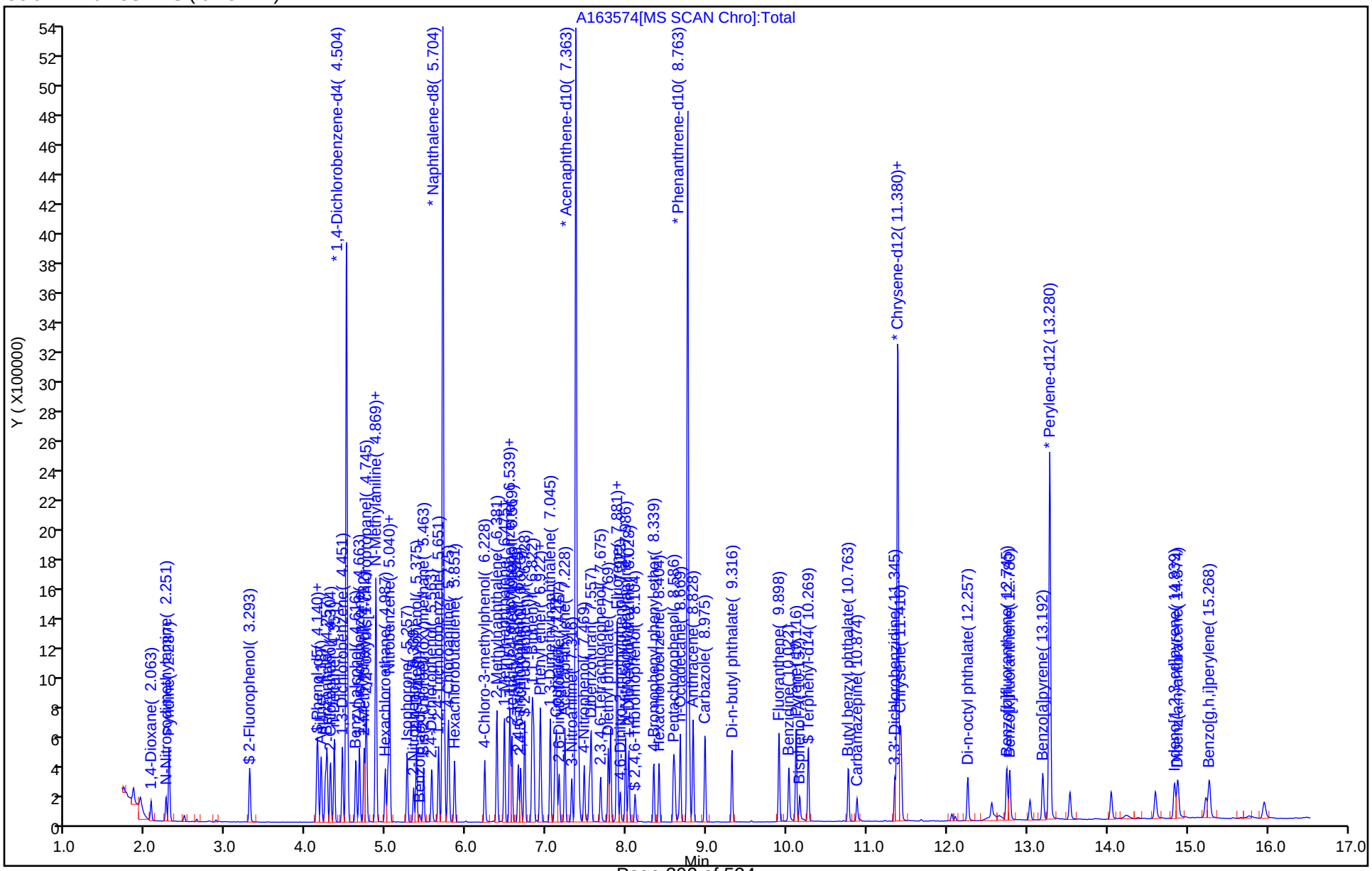
Lims ID: STD1 Worklist Smp#: 7

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

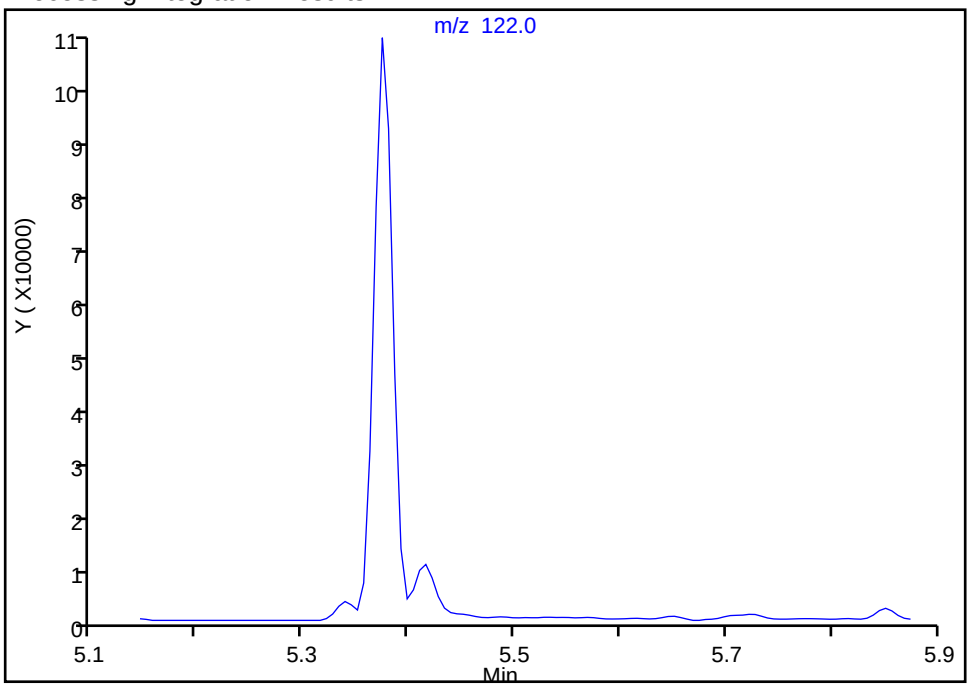
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163574.D				
Injection Date:	04-Sep-2019 12:54:30	Instrument ID:	CBNAMS16		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

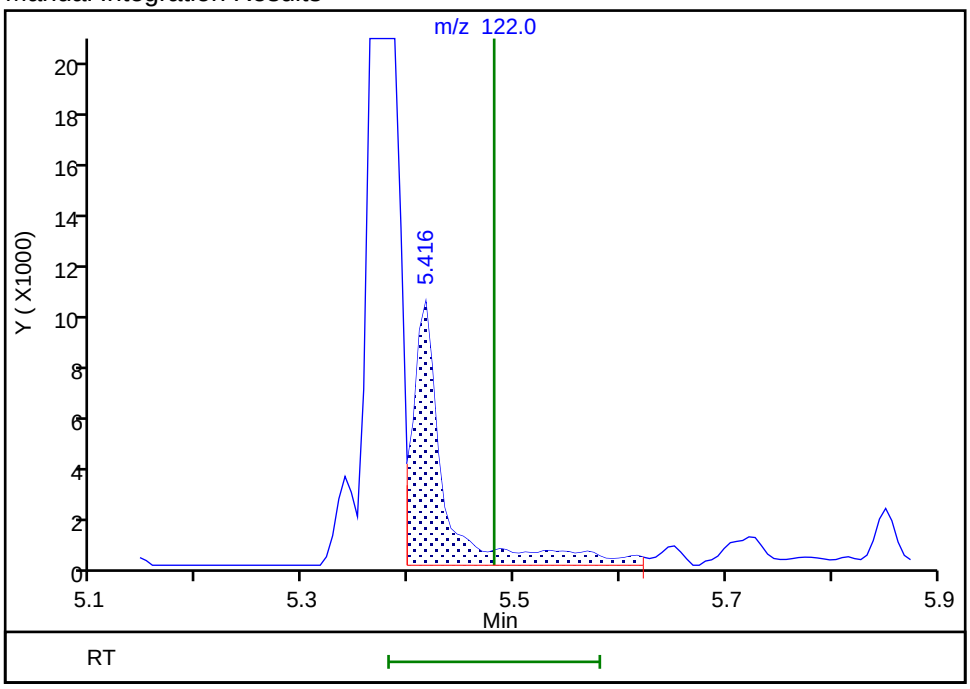
Not Detected
Expected RT: 5.48

Processing Integration Results



Manual Integration Results

RT: 5.42
Area: 21146
Amount: 1.207541
Amount Units: ug/ml



Reviewer: johnstonm1, 04-Sep-2019 13:19:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163575.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Sep-2019 13:16:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-008
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:23 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 14:19:08

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	3.293	3.298	-0.005	97	35034	0.2000	0.2171	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	40091	0.2000	0.2139	
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	97	29384	0.2000	0.1957	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	96	903947	8.00	8.00	
20 N-Methylaniline	106	4.863	4.875	-0.012	79	45970	0.2000	0.2118	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	68	20719	0.2000	0.2100	
25 Hexachloroethane	117	4.987	4.987	0.000	91	12783	0.2000	0.2109	
$ 27 Nitrobenzene-d5	82	5.016	5.022	-0.006	87	31011	0.2000	0.1997	
28 Nitrobenzene	123	5.040	5.045	-0.005	95	14462	0.2000	0.1949	
29 n,n'-Dimethylaniline	120	5.040	5.045	-0.005	94	50003	0.2000	0.2104	
30 Isophorone	82	5.257	5.269	-0.012	99	53151	0.2000	0.1940	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	93	26805	0.2000	0.2044	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3598232	8.00	8.00	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	93	13171	0.2000	0.2061	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	84	59753	0.2000	0.2020	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	92	51924	0.2000	0.1910	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	93	36825	0.2000	0.2025	
49 2,4,6-Trichlorophenol	196	6.645	6.651	-0.006	84	11966	0.2000	0.1514	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	98	67144	0.2000	0.2139	
61 2,6-Dinitrotoluene	165	7.157	7.163	-0.006	94	8064	0.2000	0.2010	
* 64 Acenaphthene-d10	164	7.363	7.369	-0.006	95	1638815	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.533	7.545	-0.012	91	8871	0.2000	0.2005	a
$ 80 2,4,6-Tribromophenol	330	8.110	8.110	0.000	90	4463	0.2000	0.1519	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	96	14027	0.2000	0.2121	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2431266	8.00	8.00	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	99	46328	0.2000	0.2170	
100 3,3'-Dichlorobenzidine	252	11.345	11.351	-0.006	97	14205	0.2000	0.1635	
101 Benzo[a]anthracene	228	11.374	11.374	0.000	98	48501	0.2000	0.1937	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1482057	8.00	8.00	
104 Chrysene	228	11.410	11.421	-0.011	98	46580	0.2000	0.1991	
103 Bis(2-ethylhexyl) phthalat	149	11.427	11.427	0.000	85	24838	0.2000	0.1494	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	99	42121	0.2000	0.1968	
107 Benzo[k]fluoranthene	252	12.780	12.792	-0.012	98	44256	0.2000	0.1975	
108 Benzo[a]pyrene	252	13.192	13.204	-0.012	96	35145	0.2000	0.1767	
* 109 Perylene-d12	264	13.280	13.286	-0.006	98	1403773	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	98	32846	0.2000	0.1917	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	93	38532	0.2000	0.1833	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SM_BNAL2_00032 Amount Added: 1.00 Units: mL

Report Date: 05-Sep-2019 12:30:27 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163575.D

Injection Date: 04-Sep-2019 13:16:30 Instrument ID: CBNAMS16 Operator ID:

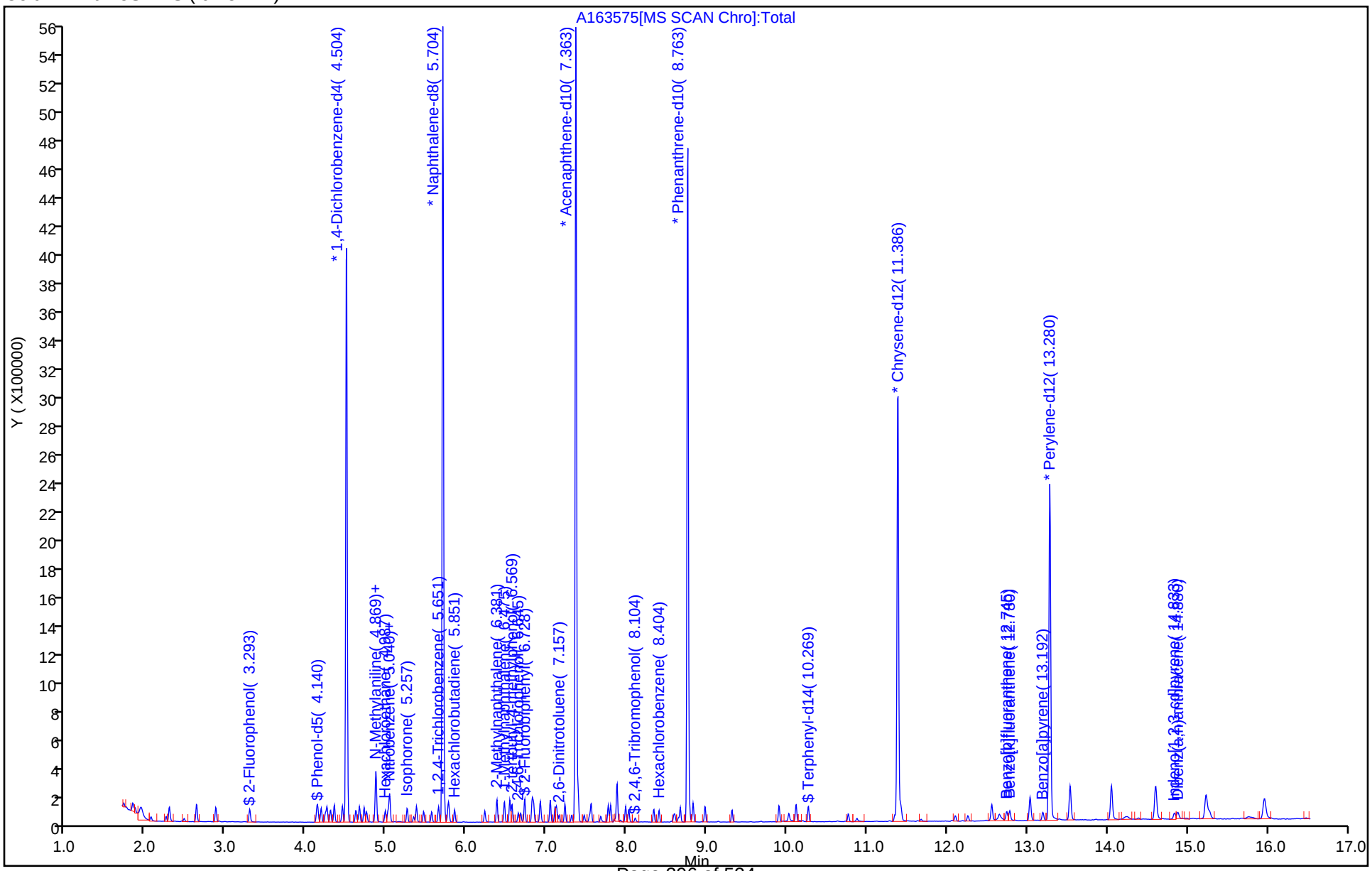
Lims ID: STD02 Worklist Smp#: 8

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

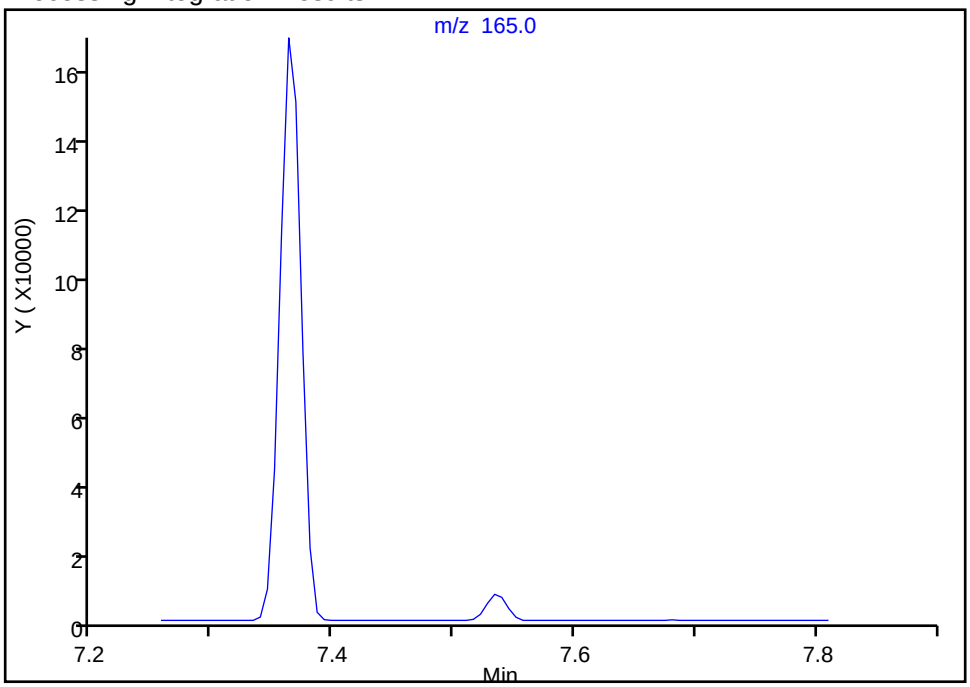
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163575.D				
Injection Date:	04-Sep-2019 13:16:30	Instrument ID:	CBNAMS16		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

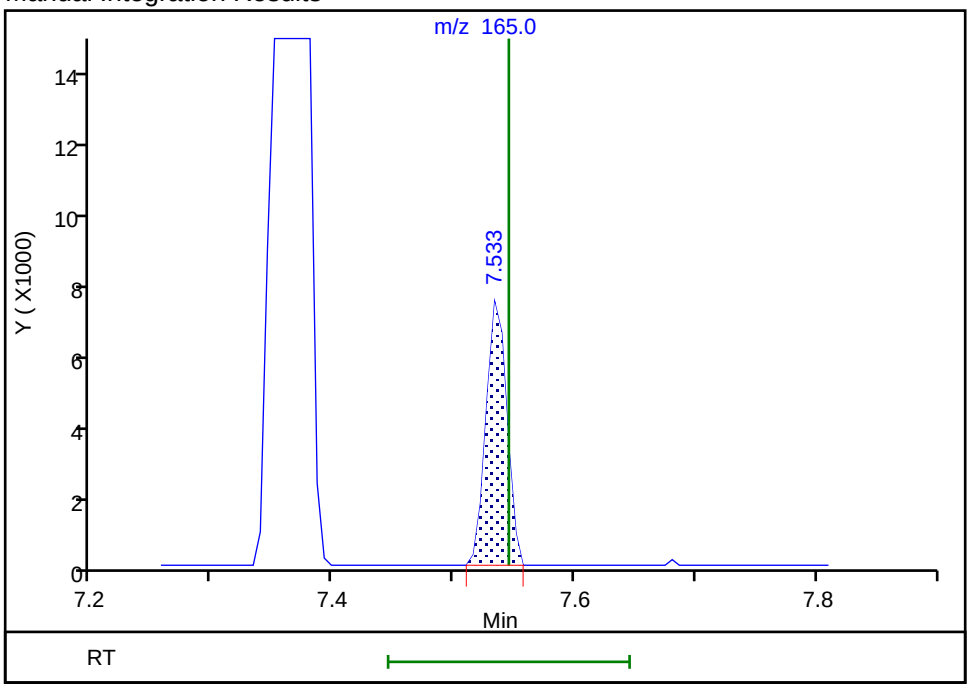
Not Detected
Expected RT: 7.55

Processing Integration Results



Manual Integration Results

RT: 7.53
Area: 8871
Amount: 0.200539
Amount Units: ug/ml



Reviewer: johnstonm1, 04-Sep-2019 14:18:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163576.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Sep-2019 13:37:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-009
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:38 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 14:19:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	95	15359	0.1000	0.1057	
* 14 1,4-Dichlorobenzene-d4	152	4.498	4.504	-0.006	96	874354	8.00	8.00	
20 N-Methylaniline	106	4.863	4.875	-0.012	85	22171	0.1000	0.1056	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	88	9564	0.1000	0.1002	
25 Hexachloroethane	117	4.987	4.987	0.000	89	5407	0.1000	0.0922	
$ 27 Nitrobenzene-d5	82	5.016	5.022	-0.006	87	14785	0.1000	0.0971	
28 Nitrobenzene	123	5.040	5.045	-0.005	95	6548	0.1000	0.0912	
29 n,n'-Dimethylaniline	120	5.040	5.045	-0.005	97	25536	0.1000	0.1111	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	91	12417	0.1000	0.0965	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3530030	8.00	8.00	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	89	5671	0.1000	0.0904	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	97	34892	0.1000	0.1110	
* 64 Acenaphthene-d10	164	7.363	7.369	-0.006	95	1641416	8.00	8.00	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	95	6733	0.1000	0.0996	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2485596	8.00	8.00	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	99	23226	0.1000	0.1001	
101 Benzo[a]anthracene	228	11.374	11.374	0.000	95	29912	0.1000	0.1100	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1609722	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	98	21227	0.1000	0.0949	
107 Benzo[k]fluoranthene	252	12.780	12.792	-0.012	97	20890	0.1000	0.0893	
108 Benzo[a]pyrene	252	13.198	13.204	-0.006	95	18942	0.1000	0.0912	
* 109 Perylene-d12	264	13.280	13.286	-0.006	98	1466044	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	97	16616	0.1000	0.0931	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	93	17796	0.1000	0.0810	

Reagents:

SM_BNAL1_00030 Amount Added: 1.00 Units: mL

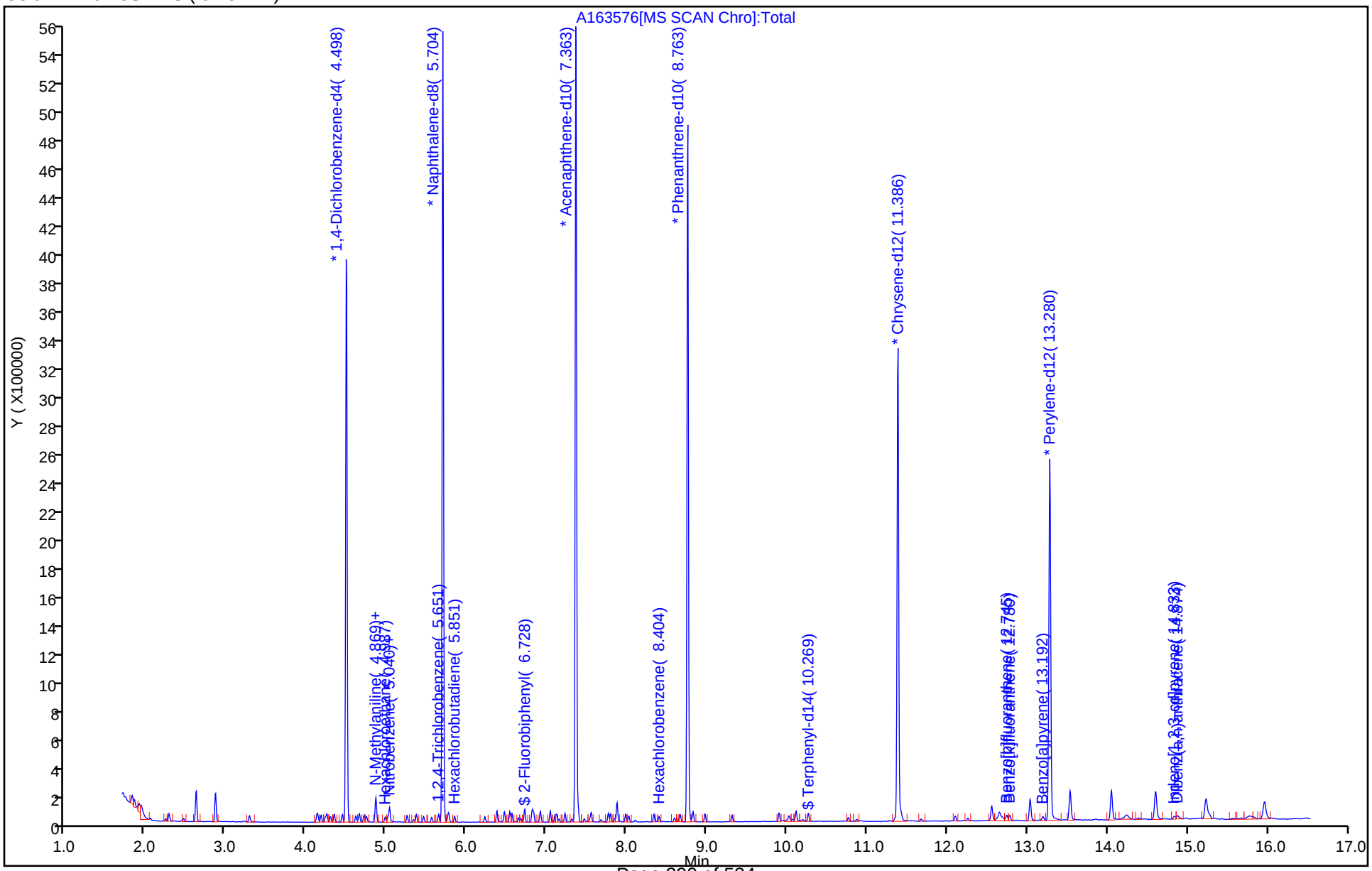
Report Date: 05-Sep-2019 12:30:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163576.D

Injection Date:	04-Sep-2019 13:37:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 13:58 Calibration End Date: 09/04/2019 16:05 Calibration ID: 76436

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 460-636864/16	A163583.D
Level 2	STD1 460-636864/15	A163582.D
Level 3	STD2 460-636864/14	A163581.D
Level 4	STD4 460-636864/13	A163580.D
Level 5	STD10 460-636864/10	A163577.D
Level 6	STD16 460-636864/12	A163579.D
Level 7	STD24 460-636864/11	A163578.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.0999 1.1301	1.1389 1.1247	1.1258	1.2016	1.1759	Ave		1.1424			0.0100	3.0		20.0			
Caprolactam	0.0509 0.0826	0.0627 0.0859	0.0684	0.0762	0.0835	Ave		0.0729			0.0100	17.7		20.0			
Atrazine	0.1488 0.1898	0.1649 0.1906	0.1744	0.1883	0.1974	Ave		0.1792			0.0100	9.7		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 13:58 Calibration End Date: 09/04/2019 16:05 Calibration ID: 76436

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 460-636864/16	A163583.D
Level 2	STD1 460-636864/15	A163582.D
Level 3	STD2 460-636864/14	A163581.D
Level 4	STD4 460-636864/13	A163580.D
Level 5	STD10 460-636864/10	A163577.D
Level 6	STD16 460-636864/12	A163579.D
Level 7	STD24 460-636864/11	A163578.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCBd 4	Ave	25589 1976834	118952 2757425	232902	542659	1233647	0.200 16.0	1.00 24.0	2.00	4.00	10.0
Caprolactam	NPT	Ave	4584 583554	26288 832081	56158	138355	356649	0.200 16.0	1.00 24.0	2.00	4.00	10.0
Atrazine	PHN	Ave	9426 945847	50065 1341774	105352	240819	599712	0.200 16.0	1.00 24.0	2.00	4.00	10.0

Curve Type Legend:
Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163577.D
Lims ID: std10
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Sep-2019 13:58:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-010
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:46 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 14:42:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.087	0.000	95	1233647	10.0	10.3	
* 14 1,4-Dichlorobenzene-d4	152	4.499	4.499	0.000	96	839295	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3415879	8.00	8.00	
42 Caprolactam	113	6.069	6.069	0.000	95	356649	10.0	11.5	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1523826	8.00	8.00	
83 Atrazine	200	8.492	8.492	0.000	93	599712	10.0	11.0	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	99	2430660	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1595000	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1449951	8.00	8.00	

Reagents:

SM_BNAL5B_00041 Amount Added: 1.00 Units: mL

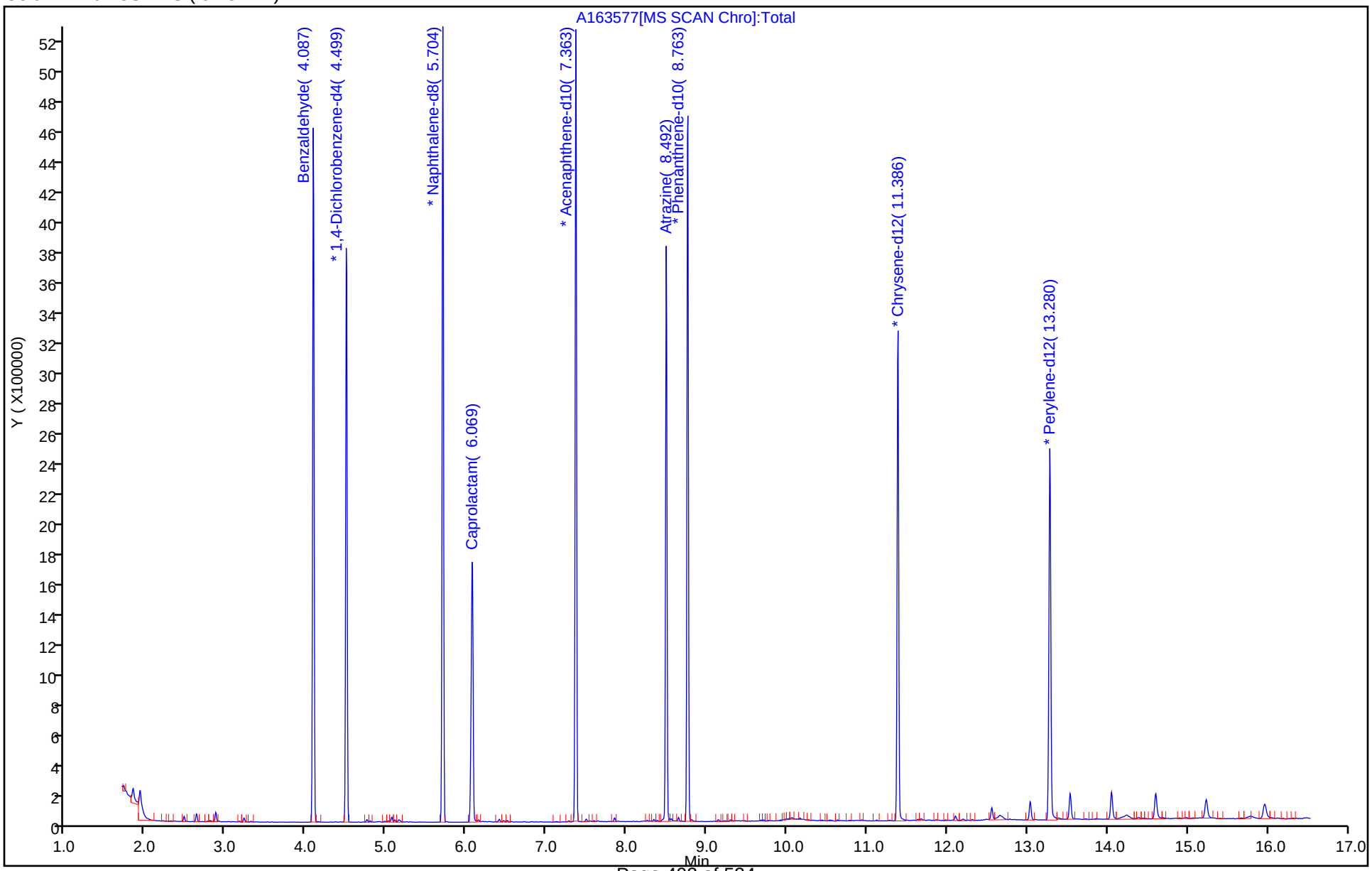
Report Date: 05-Sep-2019 12:30:49 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163577.D

Injection Date:	04-Sep-2019 13:58:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std10			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163578.D
Lims ID: std24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Sep-2019 14:19:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-011
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:54 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 14:42:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.093	4.087	0.006	95	2757425	24.0	23.6	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.499	0.005	95	817228	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3229474	8.00	8.00	
42 Caprolactam	113	6.087	6.069	0.018	94	832081	24.0	28.3	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1457420	8.00	8.00	
83 Atrazine	200	8.498	8.492	0.006	93	1341774	24.0	25.5	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2347015	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1540674	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1452223	8.00	8.00	

Reagents:

SM_BNAL7B_00014 Amount Added: 1.00 Units: mL

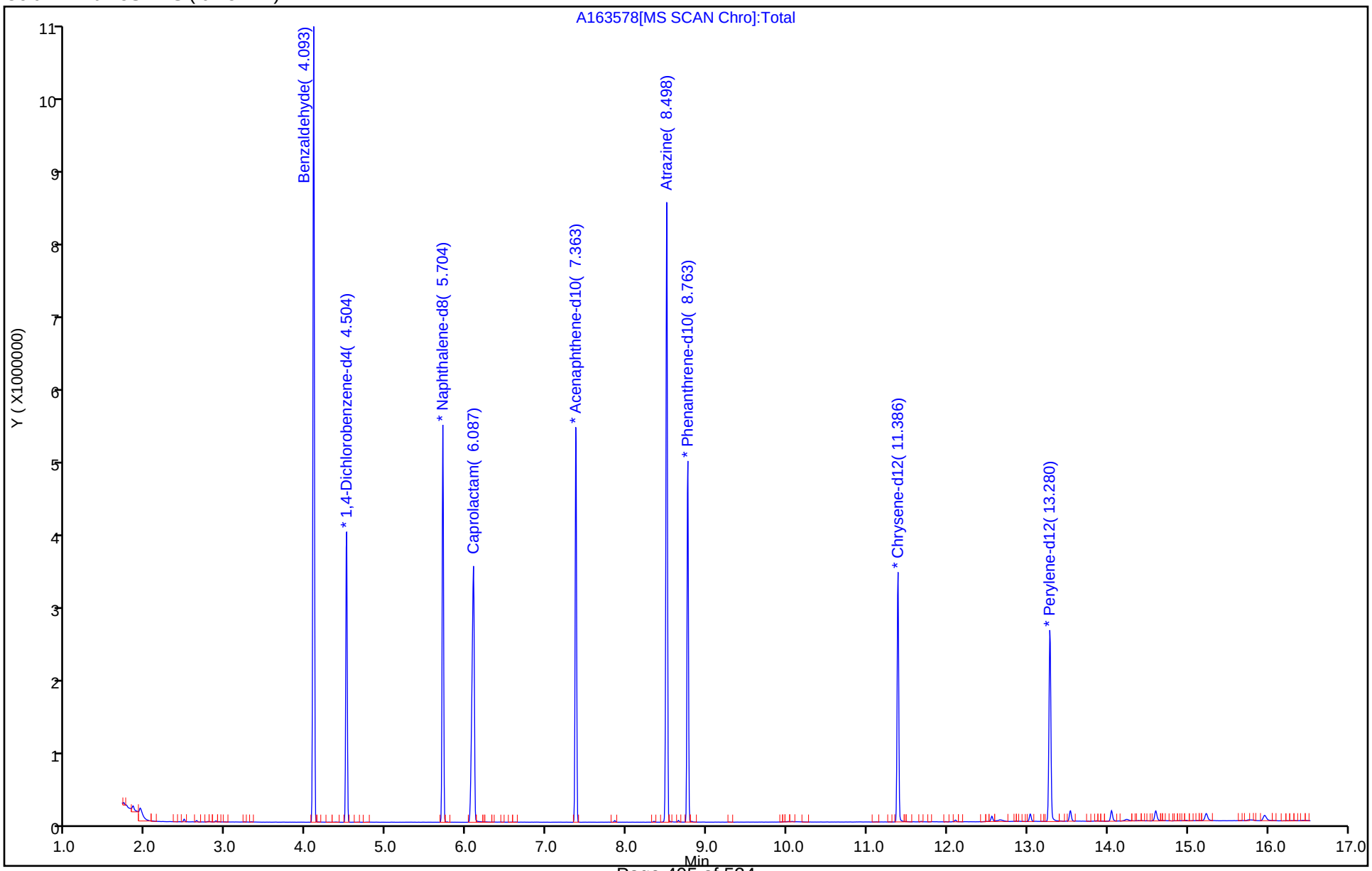
Report Date: 05-Sep-2019 12:30:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163578.D

Injection Date:	04-Sep-2019 14:19:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std24			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163579.D
Lims ID: std16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Sep-2019 14:40:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-012
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:03 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 15:26:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.093	4.087	0.006	95	1976834	16.0	15.8	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.499	0.005	95	874599	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3531315	8.00	8.00	
42 Caprolactam	113	6.081	6.069	0.012	94	583554	16.0	18.1	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1596490	8.00	8.00	
83 Atrazine	200	8.498	8.492	0.006	93	945847	16.0	17.0	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	99	2491266	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1518090	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	97	1422165	8.00	8.00	

Reagents:

SM_BNAL6B_00021 Amount Added: 1.00 Units: mL

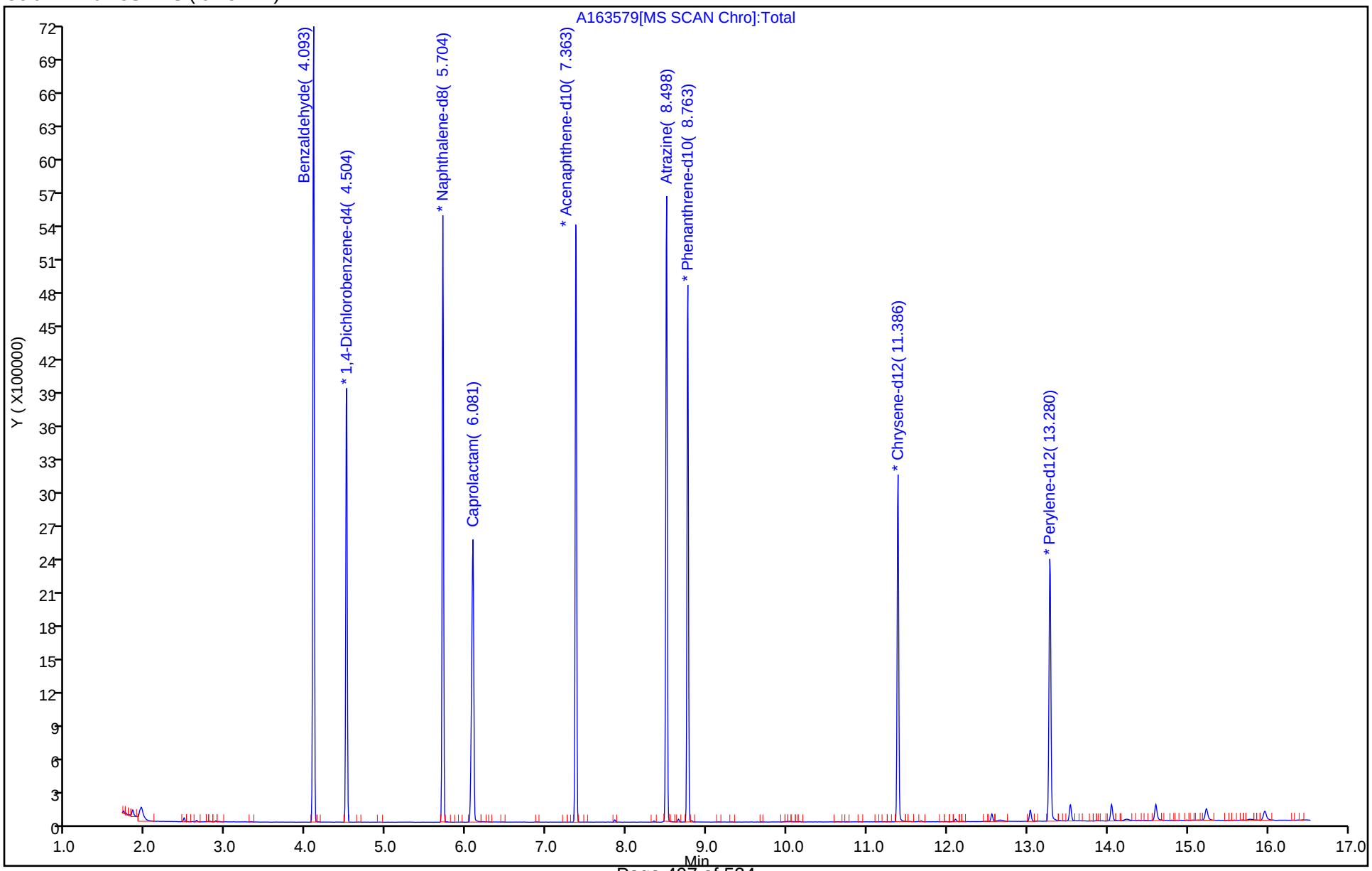
Report Date: 05-Sep-2019 12:31:05 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163579.D

Injection Date:	04-Sep-2019 14:40:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std16			Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163580.D
Lims ID: std4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Sep-2019 15:01:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-013
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:08 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 15:27:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.087	0.000	95	542659	4.00	4.21	
* 14 1,4-Dichlorobenzene-d4	152	4.498	4.499	-0.001	96	903202	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3633714	8.00	8.00	
42 Caprolactam	113	6.063	6.069	-0.006	94	138355	4.00	4.18	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1663668	8.00	8.00	
83 Atrazine	200	8.492	8.492	0.000	93	240819	4.00	4.20	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2558423	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1526390	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1435012	8.00	8.00	

Reagents:

SM_BNAL4B_00030 Amount Added: 1.00 Units: mL

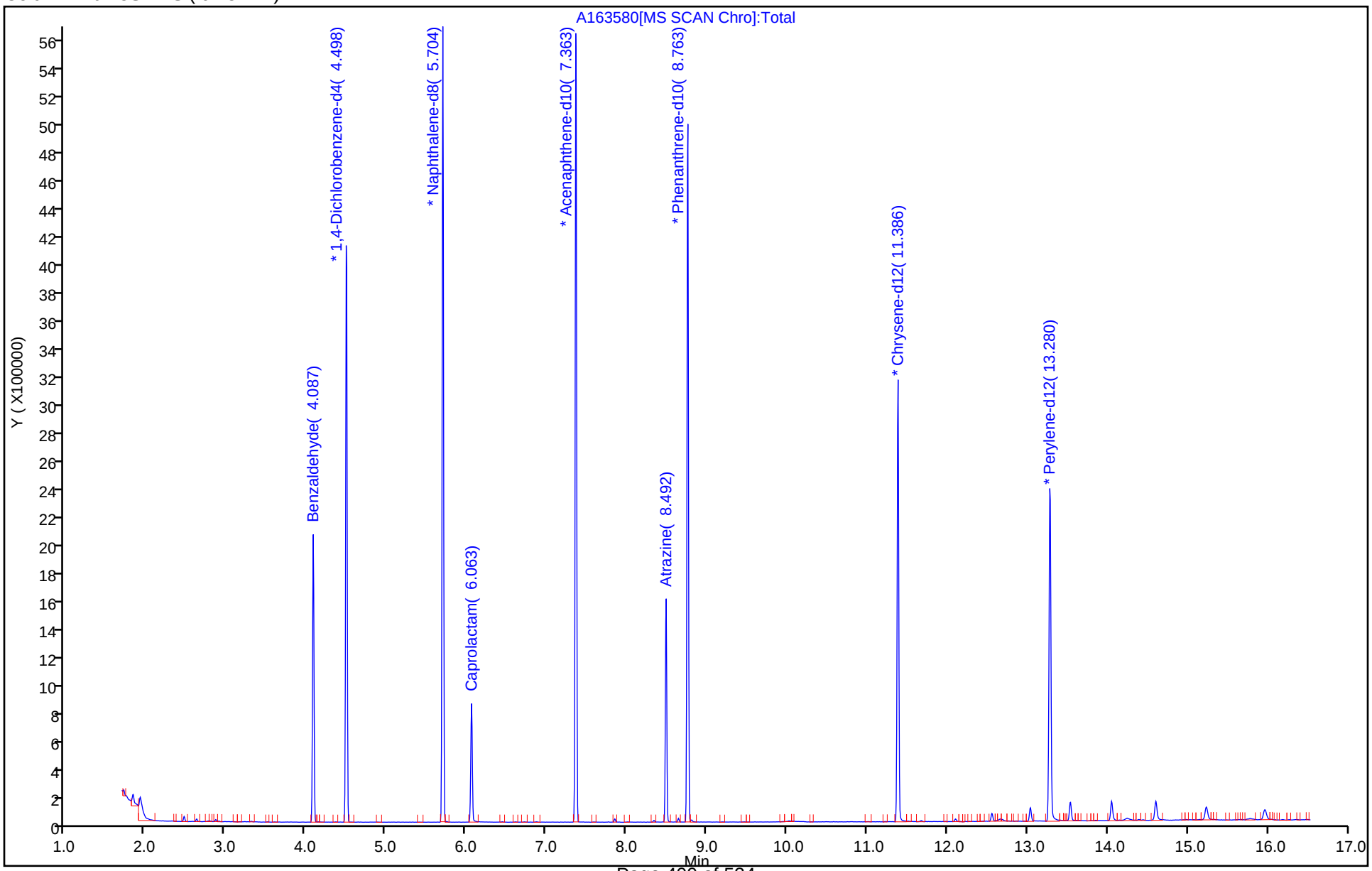
Report Date: 05-Sep-2019 12:31:09 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163580.D

Injection Date:	04-Sep-2019 15:01:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std4			Worklist Smp#:	13
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163581.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Sep-2019 15:22:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-014
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:12 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 05-Sep-2019 09:05:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.087	0.000	96	232902	2.00	1.97	
* 14 1,4-Dichlorobenzene-d4	152	4.498	4.499	-0.001	96	827523	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3286325	8.00	8.00	
42 Caprolactam	113	6.057	6.069	-0.012	93	56158	2.00	1.88	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1500673	8.00	8.00	
83 Atrazine	200	8.492	8.492	0.000	93	105352	2.00	1.95	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2416903	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1583390	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1447238	8.00	8.00	

Reagents:

SM_BNAL3B_00021 Amount Added: 1.00 Units: mL

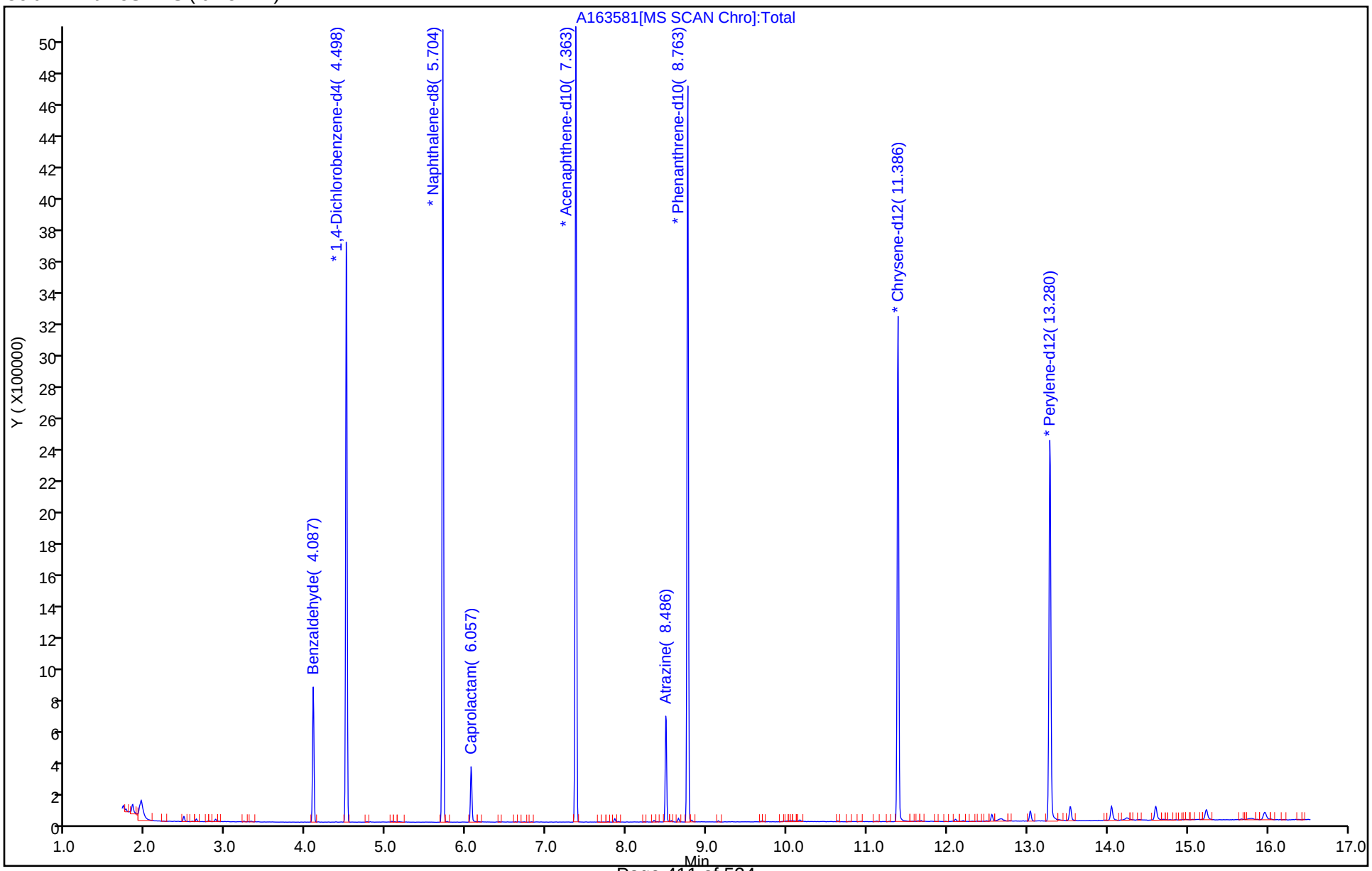
Report Date: 05-Sep-2019 12:31:14 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163581.D

Injection Date:	04-Sep-2019 15:22:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std2			Worklist Smp#:	14
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163582.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Sep-2019 15:43:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-015
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:18 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 05-Sep-2019 09:05:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.087	0.000	95	118952	1.00	1.00	
* 14 1,4-Dichlorobenzene-d4	152	4.499	4.499	0.000	96	835532	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3356068	8.00	8.00	
42 Caprolactam	113	6.057	6.069	-0.012	94	26288	1.00	0.8599	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1534620	8.00	8.00	
83 Atrazine	200	8.487	8.492	-0.005	93	50065	1.00	0.9206	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2428461	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1547902	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1445587	8.00	8.00	

Reagents:

SM_BNAL2B_00025 Amount Added: 1.00 Units: mL

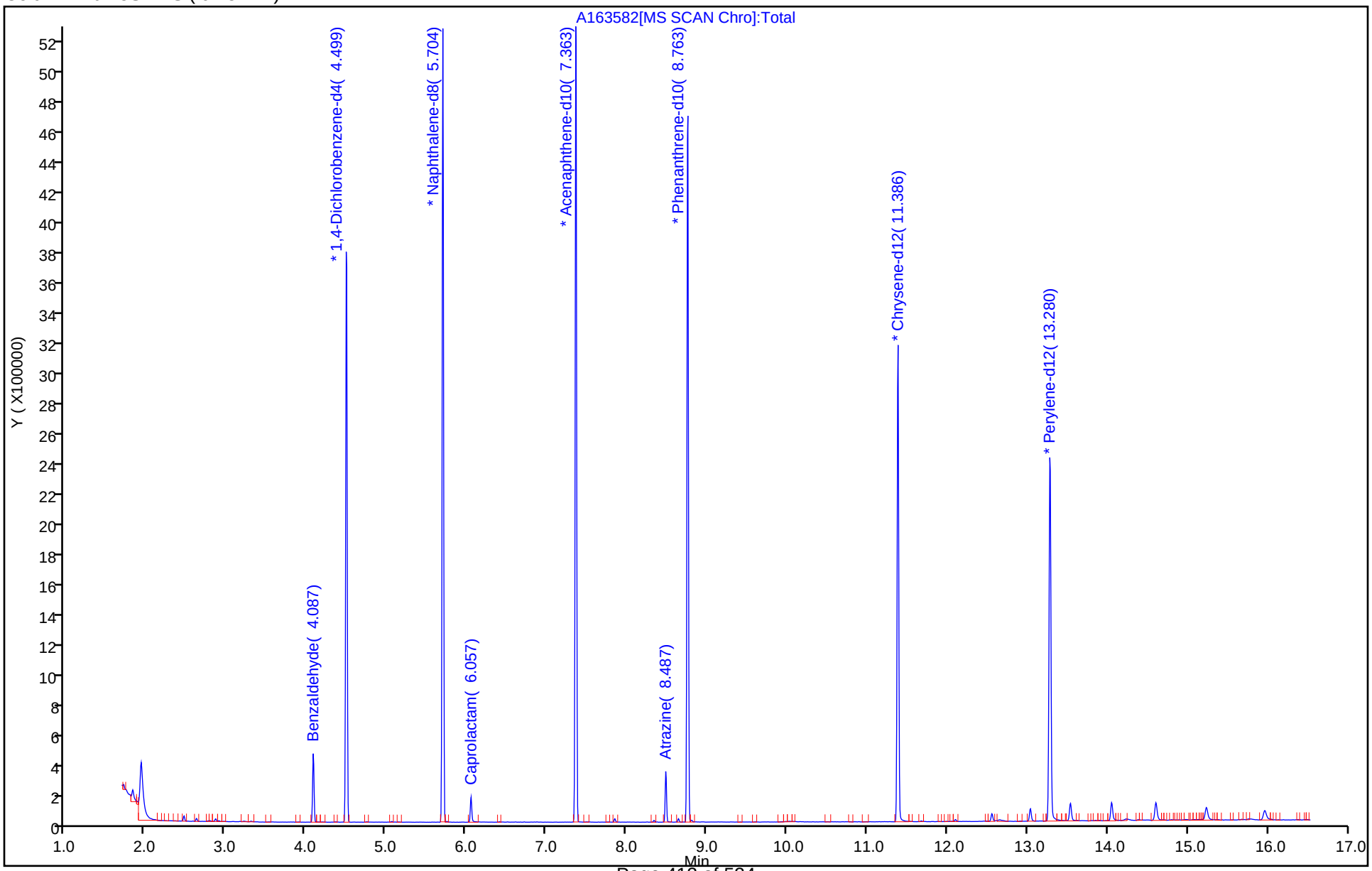
Report Date: 05-Sep-2019 12:31:21 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163582.D

Injection Date:	04-Sep-2019 15:43:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std1			Worklist Smp#:	15
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D
Lims ID: std02
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Sep-2019 16:05:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-016
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:26 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 05-Sep-2019 09:05:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.093	4.087	0.006	95	25589	0.2000	0.1925	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.499	0.005	95	930629	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3602160	8.00	8.00	
42 Caprolactam	113	6.057	6.069	-0.012	91	4584	0.2000	0.1397	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	96	1611995	8.00	8.00	
83 Atrazine	200	8.487	8.492	-0.005	92	9426	0.2000	0.1661	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2534043	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1550081	8.00	8.00	
* 109 Perylene-d12	264	13.286	13.280	0.006	98	1476896	8.00	8.00	

Reagents:

SM_BNAL1B_00023 Amount Added: 1.00 Units: mL

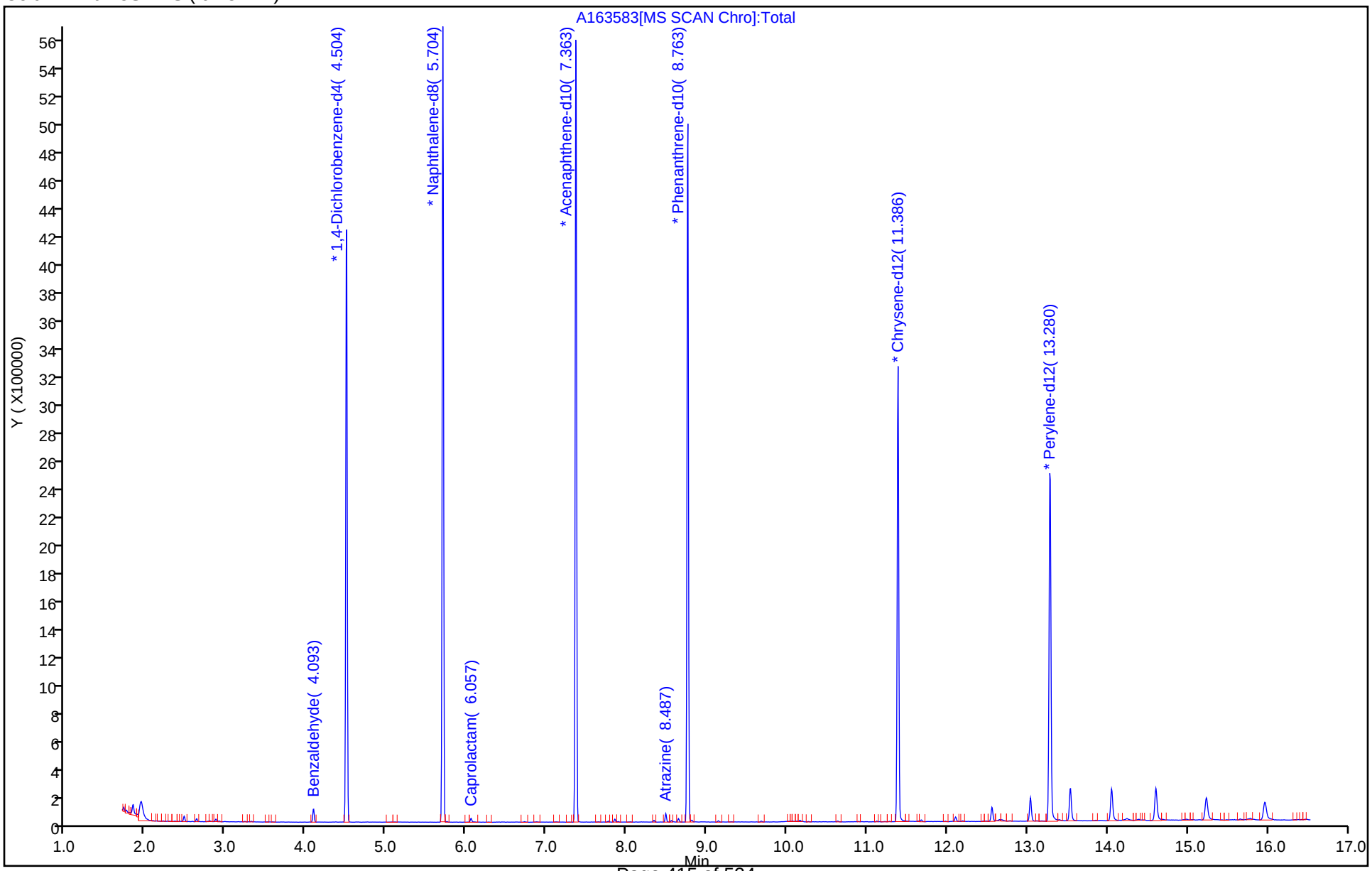
Report Date: 05-Sep-2019 12:31:28 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Injection Date:	04-Sep-2019 16:05:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std02			Worklist Smp#:	16
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCVIS 460-639497/2 Calibration Date: 09/15/2019 17:55

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 11:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 13:37

Lab File ID: A163854.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5569	0.5108	0.0100	9170	10000	-8.3	20.0
N-Nitrosodimethylamine	Ave	0.8415	0.7857		9340	10000	-6.6	20.0
Pyridine	Ave	1.210	1.090		18000	20000	-9.9	20.0
Aniline	Ave	2.111	1.984		9400	10000	-6.0	20.0
Phenol	Ave	1.747	1.687	0.8000	9650	10000	-3.5	20.0
Bis(2-chloroethyl)ether	Ave	1.329	1.299	0.7000	9770	10000	-2.3	20.0
2-Chlorophenol	Ave	1.484	1.448	0.8000	9760	10000	-2.4	20.0
n-Decane	Ave	1.334	1.237	0.0100	9270	10000	-7.3	20.0
1,3-Dichlorobenzene	Ave	1.556	1.528		9820	10000	-1.8	20.0
1,4-Dichlorobenzene	Ave	1.570	1.556		9910	10000	-0.9	20.0
Benzyl alcohol	Ave	0.8665	0.6155	0.0100	7100	10000	-29.0*	20.0
1,2-Dichlorobenzene	Ave	1.490	1.459		9790	10000	-2.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.626	1.526	0.0100	9390	10000	-6.1	20.0
2-Methylphenol	Ave	1.247	1.273	0.7000	10200	10000	2.1	20.0
N-Methylaniline	Ave	1.921	1.972		10300	10000	2.7	20.0
Acetophenone	Ave	1.820	1.826	0.0100	10000	10000	0.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.8733	0.8847	0.5000	10100	10000	1.3	20.0
3 & 4 Methylphenol	Ave	1.328	1.490		11200	10000	12.2	20.0
4-Methylphenol	Ave	1.324	1.408	0.6000	10600	10000	6.4	20.0
Hexachloroethane	Ave	0.5363	0.5393	0.3000	10100	10000	0.5	20.0
Nitrobenzene	Ave	0.6568	0.6594	0.2000	10000	10000	0.4	20.0
n,n'-Dimethylaniline	Ave	2.103	2.075	0.0100	9870	10000	-1.3	20.0
Isophorone	Ave	0.6093	0.6072	0.4000	9970	10000	-0.3	20.0
2-Nitrophenol	Ave	0.1679	0.1886	0.1000	11200	10000	12.3	20.0
2,4-Dimethylphenol	Ave	0.2997	0.3017	0.2000	10100	10000	0.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.3837	0.3758	0.3000	9800	10000	-2.0	20.0
Benzoic acid	Qua		0.1994		12700	10000	26.6*	20.0
2,4-Dichlorophenol	Ave	0.2659	0.2744	0.2000	10300	10000	3.2	20.0
1,2,4-Trichlorobenzene	Ave	0.2916	0.2957		10100	10000	1.4	20.0
Naphthalene	Ave	1.032	1.002	0.7000	9710	10000	-2.9	20.0
4-Chloroaniline	Ave	0.4192	0.4127	0.0100	9850	10000	-1.5	20.0
Hexachlorobutadiene	Ave	0.1421	0.1492	0.0100	10500	10000	5.0	20.0
4-Chloro-3-methylphenol	Ave	0.2590	0.2743		10600	10000	5.9	20.0
2-Methylnaphthalene	Ave	0.6578	0.6732	0.4000	10200	10000	2.3	20.0
1-Methylnaphthalene	Ave	0.6046	0.6201	0.0100	10300	10000	2.6	20.0
Hexachlorocyclopentadiene	Ave	0.3226	0.3392	0.0500	10500	10000	5.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5675	0.5568	0.0100	9810	10000	-1.9	20.0
2-tertbutyl-4-methylphenol	Ave	0.4043	0.4381	0.0100	10800	10000	8.4	20.0
2,4,6-Trichlorophenol	Ave	0.3859	0.3706	0.2000	9600	10000	-4.0	20.0
2,4,5-Trichlorophenol	Ave	0.4230	0.4209	0.2000	9950	10000	-0.5	20.0
1,1'-Biphenyl	Ave	1.704	1.622	0.0100	9520	10000	-4.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCVIS 460-639497/2 Calibration Date: 09/15/2019 17:55

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 11:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 13:37

Lab File ID: A163854.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.306	1.244	0.8000	9520	10000	-4.8	20.0
Phenyl ether	Ave	0.8465	0.8297	0.0100	9800	10000	-2.0	20.0
2-Nitroaniline	Ave	0.3898	0.3973	0.0100	10200	10000	1.9	20.0
1,3-Dimethylnaphthalene	Ave	1.033	1.052	0.0100	10200	10000	1.8	20.0
Dimethyl phthalate	Ave	1.357	1.347	0.0100	9930	10000	-0.7	20.0
Coumarin	Ave	0.2039	0.2238	0.0100	11000	10000	9.8	20.0
2,6-Dinitrotoluene	Lin2		0.3108	0.2000	10100	10000	1.1	20.0
Acenaphthylene	Ave	1.965	1.922	0.9000	9780	10000	-2.2	20.0
3-Nitroaniline	Ave	0.3463	0.3530	0.0100	10200	10000	2.0	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9438	1.059	0.0100	11200	10000	12.3	20.0
Acenaphthene	Ave	1.264	1.176	0.9000	9300	10000	-7.0	20.0
2,4-Dinitrophenol	Qua		0.1787	0.0100	24000	20000	19.8	20.0
4-Nitrophenol	Ave	0.2112	0.2238	0.0100	21200	20000	6.0	20.0
2,4-Dinitrotoluene	Lin2		0.4043	0.2000	10400	10000	3.6	20.0
Dibenzofuran	Ave	1.680	1.674	0.8000	9970	10000	-0.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2765	0.2880	0.0100	10400	10000	4.1	20.0
Diethyl phthalate	Ave	1.348	1.328	0.0100	9850	10000	-1.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.5548	0.5671	0.4000	10200	10000	2.2	20.0
Fluorene	Ave	1.279	1.277	0.9000	9980	10000	-0.2	20.0
4-Nitroaniline	Ave	0.3302	0.3462	0.0100	10500	10000	4.8	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1260	0.0100	20800	20000	3.8	20.0
N-Nitrosodiphenylamine	Ave	0.6214	0.6041	0.0100	9720	10000	-2.8	20.0
1,2-Diphenylhydrazine	Ave	0.8468	0.7828	0.0100	9240	10000	-7.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2090	0.2123	0.1000	10200	10000	1.6	20.0
Hexachlorobenzene	Ave	0.2176	0.2173	0.1000	9990	10000	-0.1	20.0
Pentachlorophenol	Ave	0.1198	0.1122	0.0500	18700	20000	-6.3	20.0
Pentachloronitrobenzene	Ave	0.0822	0.0873	0.0100	10600	10000	6.2	20.0
n-Octadecane	Ave	0.4824	0.4700	0.0100	9740	10000	-2.6	20.0
Phenanthrene	Ave	1.173	1.119	0.7000	9540	10000	-4.6	20.0
Anthracene	Ave	1.185	1.162	0.7000	9810	10000	-1.9	20.0
Carbazole	Ave	1.055	0.9911	0.0100	9400	10000	-6.0	20.0
Di-n-butyl phthalate	Ave	1.252	1.243	0.0100	9920	10000	-0.8	20.0
Fluoranthene	Ave	1.079	1.005	0.6000	9310	10000	-6.9	20.0
Benzidine	Ave	0.6339	0.5840		9210	10000	-7.9	20.0
Pyrene	Ave	1.753	1.824	0.6000	10400	10000	4.1	20.0
Bisphenol-A	Ave	0.5431	0.7134		13100	10000	31.4*	20.0
Butyl benzyl phthalate	Ave	0.7228	0.7546	0.0100	10400	10000	4.4	20.0
2,3,7,8-TCDD	Ave	0.1433	0.1787	0.0100	125	100	24.8*	20.0
Carbamazepine	Lin2		0.5892	0.0100	10400	10000	4.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4690	0.4685	0.0100	9990	10000	-0.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCVIS 460-639497/2 Calibration Date: 09/15/2019 17:55

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 11:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 13:37

Lab File ID: A163854.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.352	1.307	0.8000	9670	10000	-3.3	20.0
Chrysene	Ave	1.263	1.226	0.7000	9710	10000	-2.9	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8975	0.9340	0.0100	10400	10000	4.1	20.0
Di-n-octyl phthalate	Ave	1.564	1.658	0.0100	10600	10000	6.0	20.0
Benzo[b]fluoranthene	Ave	1.220	1.238	0.7000	10200	10000	1.5	20.0
Benzo[k]fluoranthene	Ave	1.277	1.279	0.7000	10000	10000	0.1	20.0
Benzo[a]pyrene	Ave	1.134	1.148	0.7000	10100	10000	1.2	20.0
Indeno[1,2,3-cd]pyrene	QuaF		1.261	0.5000	9980	10000	-0.2	20.0
Dibenz(a,h)anthracene	Ave	1.198	1.234	0.4000	10300	10000	3.0	20.0
Benzo[g,h,i]perylene	Ave	1.357	1.285	0.5000	9470	10000	-5.3	20.0
2-Fluorophenol (Surr)	Ave	1.428	1.360		9520	10000	-4.8	20.0
Phenol-d5 (Surr)	Ave	1.659	1.562		9420	10000	-5.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3452	0.3422		9910	10000	-0.9	20.0
2-Fluorobiphenyl	Ave	1.533	1.456		9500	10000	-5.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1434	0.1655		11500	10000	15.4	20.0
Terphenyl-d14 (Surr)	Ave	1.153	1.166		10100	10000	1.2	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163854.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Sep-2019 17:55:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:05 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: eisam Date: 15-Sep-2019 18:44:14

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	2.034	2.034	0.000	94	644044	10.0	9.17	
2 N-Nitrosodimethylamine	74	2.222	2.222	0.000	90	990626	10.0	9.34	
3 Pyridine	79	2.257	2.257	0.000	94	2748074	20.0	18.0	
$ 4 2-Fluorophenol	112	3.281	3.281	0.000	97	1714180	10.0	9.52	
$ 6 Phenol-d5	99	4.145	4.145	0.000	0	1969105	10.0	9.42	
8 Aniline	93	4.157	4.157	0.000	92	2500881	10.0	9.40	
7 Phenol	94	4.157	4.157	0.000	87	2126354	10.0	9.65	
9 Bis(2-chloroethyl)ether	93	4.204	4.204	0.000	98	1637593	10.0	9.77	
10 Benzonitrile	103	4.228	4.228	0.000	98	3355926	NC	NC	
11 2-Chlorophenol	128	4.281	4.281	0.000	98	1825199	10.0	9.76	
12 n-Decane	43	4.310	4.310	0.000	89	1559961	10.0	9.27	
13 1,3-Dichlorobenzene	146	4.410	4.410	0.000	96	1926030	10.0	9.82	
* 14 1,4-Dichlorobenzene-d4	152	4.463	4.463	0.000	95	1008603	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.481	4.481	0.000	95	1961377	10.0	9.91	
16 Benzyl alcohol	108	4.604	4.604	0.000	94	776009	10.0	7.10	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1839320	10.0	9.79	
19 2,2'-oxybis[1-chloropropan	45	4.716	4.716	0.000	93	1924359	10.0	9.39	
18 2-Methylphenol	108	4.722	4.722	0.000	89	1604549	10.0	10.2	
20 N-Methylaniline	106	4.834	4.834	0.000	97	2486646	10.0	10.3	
22 N-Nitrosodi-n-propylamine	70	4.845	4.845	0.000	75	1115365	10.0	10.1	
21 Acetophenone	105	4.845	4.845	0.000	92	2301572	10.0	10.0	
23 3 & 4 Methylphenol	108	4.869	4.869	0.000	98	1878858	10.0	11.2	
24 4-Methylphenol	108	4.869	4.869	0.000	95	1775503	10.0	10.6	
25 Hexachloroethane	117	4.945	4.945	0.000	96	679870	10.0	10.1	
$ 27 Nitrobenzene-d5	82	4.987	4.987	0.000	87	1704018	10.0	9.91	
28 Nitrobenzene	123	5.004	5.004	0.000	97	831371	10.0	10.0	
29 n,n'-Dimethylaniline	120	5.010	5.010	0.000	88	2615845	10.0	9.87	
30 Isophorone	82	5.228	5.228	0.000	99	3023722	10.0	9.97	
32 2-Nitrophenol	139	5.304	5.304	0.000	95	938951	10.0	11.2	
33 2,4-Dimethylphenol	122	5.369	5.369	0.000	92	1502132	10.0	10.1	
34 Bis(2-chloroethoxy)methane	93	5.434	5.434	0.000	98	1871455	10.0	9.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.487	5.487	0.000	79	992679	10.0	12.7	M
36 2,4-Dichlorophenol	162	5.551	5.551	0.000	97	1366228	10.0	10.3	
37 1,2,4-Trichlorobenzene	180	5.616	5.616	0.000	94	1472425	10.0	10.1	
* 38 Naphthalene-d8	136	5.669	5.669	0.000	99	3983585	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.000	99	4991723	10.0	9.71	
40 4-Chloroaniline	127	5.745	5.745	0.000	98	2055082	10.0	9.85	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	94	743162	10.0	10.5	
43 4-Chloro-3-methylphenol	107	6.222	6.222	0.000	96	1365903	10.0	10.6	
44 2-Methylnaphthalene	142	6.345	6.345	0.000	86	3352393	10.0	10.2	
45 1-Methylnaphthalene	142	6.439	6.439	0.000	93	3087747	10.0	10.3	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	98	805326	10.0	10.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1321861	10.0	9.81	
48 2-tertbutyl-4-methylphenol	149	6.545	6.545	0.000	92	2181509	10.0	10.8	
49 2,4,6-Trichlorophenol	196	6.622	6.622	0.000	90	879819	10.0	9.60	
50 2,4,5-Trichlorophenol	196	6.663	6.663	0.000	97	999224	10.0	9.95	
$ 51 2-Fluorobiphenyl	172	6.692	6.692	0.000	98	3455882	10.0	9.50	
52 1,1'-Biphenyl	154	6.786	6.786	0.000	95	3851102	10.0	9.52	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	98	2953126	10.0	9.52	
54 Phenyl ether	170	6.886	6.886	0.000	83	1969674	10.0	9.80	
55 2-Nitroaniline	65	6.904	6.904	0.000	96	943255	10.0	10.2	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	2496852	10.0	10.2	
59 Dimethyl phthalate	163	7.081	7.081	0.000	99	3197660	10.0	9.93	
60 Coumarin	146	7.098	7.098	0.000	81	1114469	10.0	11.0	
61 2,6-Dinitrotoluene	165	7.133	7.133	0.000	94	737844	10.0	10.1	
62 Acenaphthylene	152	7.192	7.192	0.000	98	4563235	10.0	9.78	
63 3-Nitroaniline	138	7.298	7.298	0.000	98	838102	10.0	10.2	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	95	1899215	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	2515116	10.0	11.2	
66 Acenaphthene	154	7.363	7.363	0.000	94	2791155	10.0	9.30	
67 2,4-Dinitrophenol	184	7.386	7.386	0.000	98	848490	20.0	24.0	
68 4-Nitrophenol	65	7.486	7.486	0.000	91	1062652	20.0	21.2	
69 2,4-Dinitrotoluene	165	7.510	7.510	0.000	96	959828	10.0	10.4	
70 Dibenzofuran	168	7.522	7.522	0.000	98	3975170	10.0	9.97	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	92	683666	10.0	10.4	
73 Diethyl phthalate	149	7.745	7.745	0.000	98	3152958	10.0	9.85	
74 4-Chlorophenyl phenyl ethe	204	7.845	7.845	0.000	87	1346231	10.0	10.2	
75 Fluorene	166	7.845	7.845	0.000	96	3031058	10.0	9.98	
76 4-Nitroaniline	138	7.880	7.880	0.000	90	821859	10.0	10.5	
77 4,6-Dinitro-2-methylphenol	198	7.898	7.898	0.000	88	955744	20.0	20.8	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	72	2291242	10.0	9.72	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	2969028	10.0	9.24	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	392811	10.0	11.5	
81 4-Bromophenyl phenyl ether	248	8.304	8.304	0.000	89	805274	10.0	10.2	
82 Hexachlorobenzene	284	8.369	8.369	0.000	98	824165	10.0	9.99	
84 Pentachlorophenol	266	8.557	8.557	0.000	93	851223	20.0	18.7	
85 Pentachloronitrobenzene	237	8.569	8.569	0.000	87	331132	10.0	10.6	
86 n-Octadecane	57	8.627	8.627	0.000	90	1782786	10.0	9.74	
* 87 Phenanthrene-d10	188	8.727	8.727	0.000	98	3034244	8.00	8.00	
88 Phenanthrene	178	8.751	8.751	0.000	97	4244247	10.0	9.54	
89 Anthracene	178	8.798	8.798	0.000	99	4409035	10.0	9.81	
90 Carbazole	167	8.951	8.951	0.000	96	3758849	10.0	9.40	
91 Di-n-butyl phthalate	149	9.280	9.280	0.000	99	4713864	10.0	9.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.869	9.869	0.000	98	3810287	10.0	9.31	
93 Benzidine	184	9.992	9.992	0.000	99	2214966	10.0	9.21	
94 Pyrene	202	10.080	10.080	0.000	98	3816561	10.0	10.4	
95 Bisphenol-A	213	10.227	10.227	0.000	98	1492431	10.0	13.1	
$ 96 Terphenyl-d14	244	10.227	10.227	0.000	100	2439621	10.0	10.1	
97 Butyl benzyl phthalate	149	10.727	10.727	0.000	96	1578595	10.0	10.4	
98 2,3,7,8-TCDD	320	10.827	10.827	0.000	87	3739	0.1000	0.1248	
99 Carbamazepine	193	10.845	10.845	0.000	93	1232526	10.0	10.4	
100 3,3'-Dichlorobenzidine	252	11.310	11.310	0.000	99	980149	10.0	10.0	
101 Benzo[a]anthracene	228	11.327	11.327	0.000	98	2733189	10.0	9.67	
* 102 Chrysene-d12	240	11.345	11.345	0.000	99	1673552	8.00	8.00	
104 Chrysene	228	11.374	11.374	0.000	99	2565384	10.0	9.71	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.380	0.000	87	1953939	10.0	10.4	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3088855	10.0	10.6	
106 Benzo[b]fluoranthene	252	12.698	12.698	0.000	99	2307534	10.0	10.2	
107 Benzo[k]fluoranthene	252	12.733	12.733	0.000	99	2382926	10.0	10.0	
108 Benzo[a]pyrene	252	13.145	13.145	0.000	97	2138281	10.0	10.1	
* 109 Perylene-d12	264	13.221	13.221	0.000	98	1490570	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.780	14.780	0.000	99	2349362	10.0	9.98	
111 Dibenz(a,h)anthracene	278	14.815	14.815	0.000	97	2299079	10.0	10.3	
112 Benzo[g,h,i]perylene	276	15.209	15.209	0.000	98	2394581	10.0	9.47	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL6_00055 Amount Added: 1.00 Units: mL

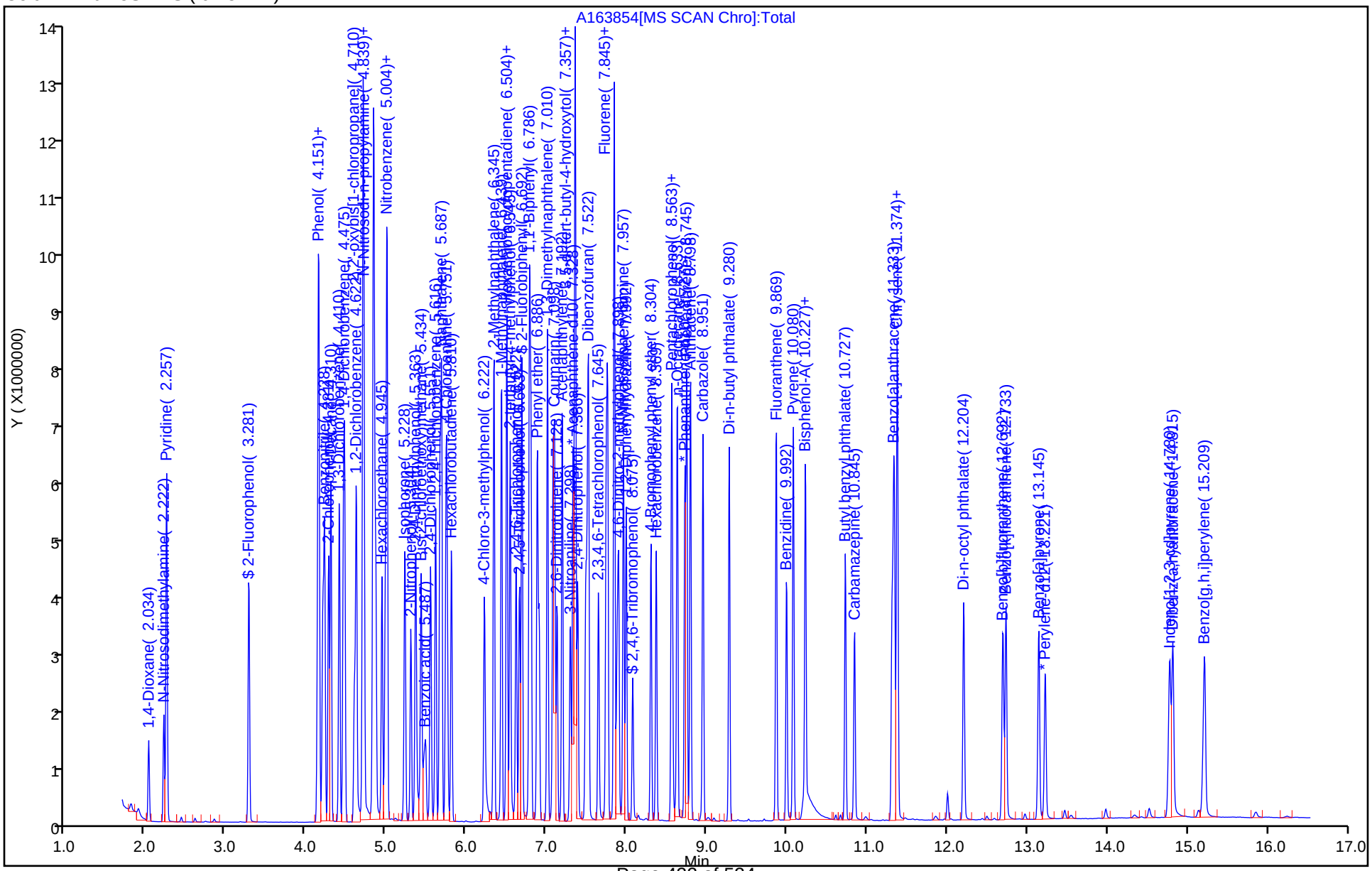
Report Date: 16-Sep-2019 08:51:07 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163854.D

Injection Date:	15-Sep-2019 17:55:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

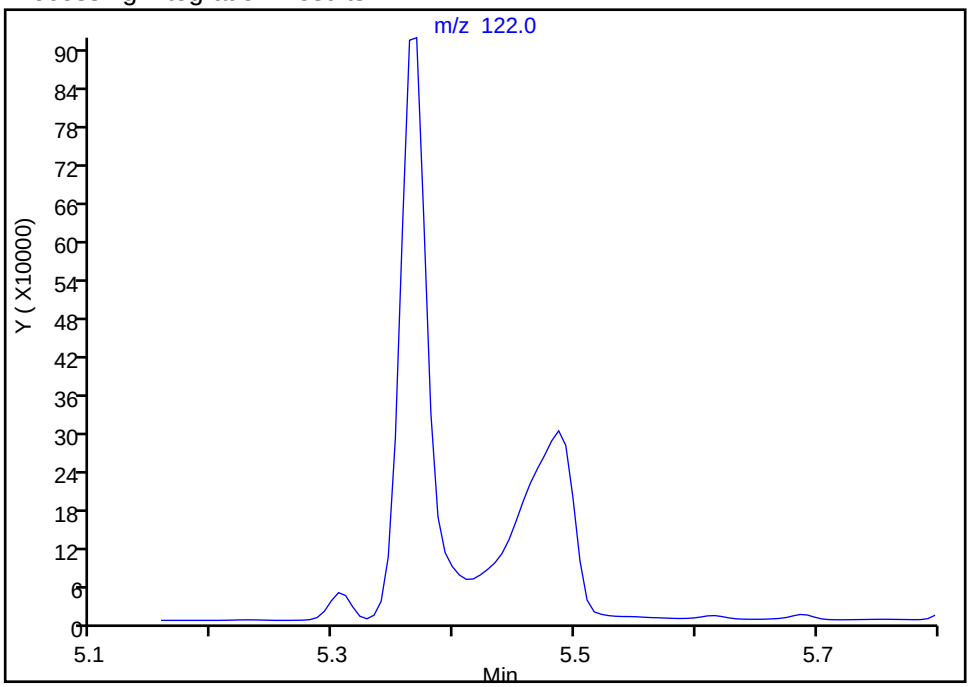
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163854.D				
Injection Date:	15-Sep-2019 17:55:30	Instrument ID:	CBNAMS16		
Lims ID:	ccvis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

35 Benzoic acid, CAS: 65-85-0

Signal: 1

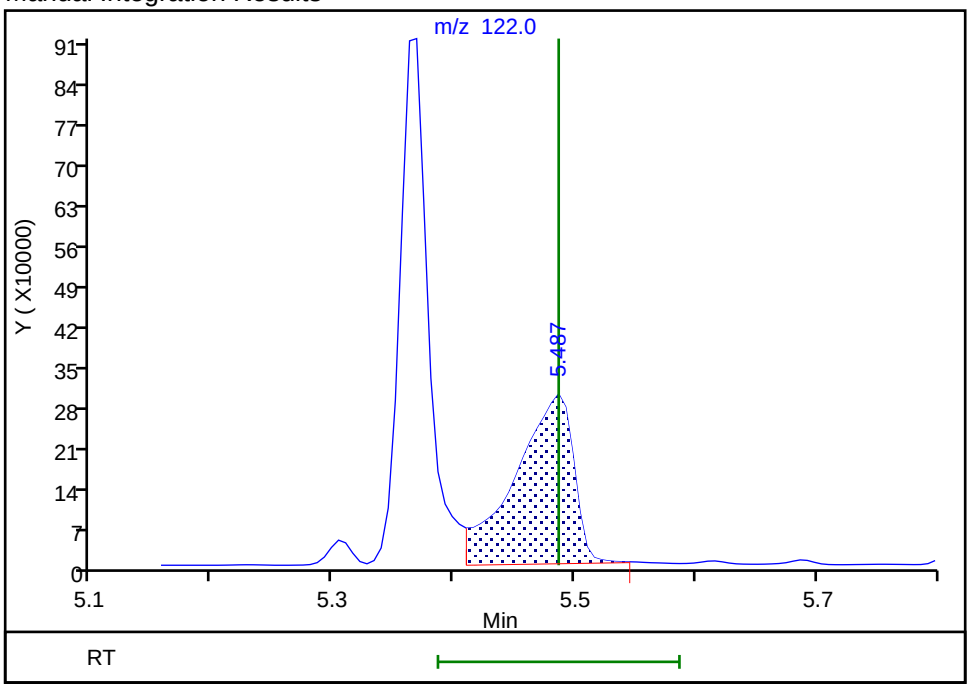
Not Detected
Expected RT: 5.49

Processing Integration Results



Manual Integration Results

RT: 5.49
Area: 992679
Amount: 12.664264
Amount Units: ug/ml



Reviewer: eisam, 15-Sep-2019 18:15:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCV 460-639497/3 Calibration Date: 09/15/2019 18:21

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 13:58

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 16:05

Lab File ID: A163855.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.142	1.149	0.0100	10100	10000	0.6	20.0
Caprolactam	Ave	0.0729	0.0914	0.0100	12500	10000	25.5*	20.0
Atrazine	Ave	0.1792	0.2037	0.0100	11400	10000	13.7	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163855.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 15-Sep-2019 18:21:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-003
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: eisam Date: 15-Sep-2019 18:45:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.046	4.046	0.000	95	1320459	10.0	10.1	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	919488	8.00	8.00	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	3760867	8.00	8.00	
42 Caprolactam	113	6.046	6.046	0.000	95	429805	10.0	12.5	
* 64 Acenaphthene-d10	164	7.322	7.322	0.000	95	1806952	8.00	8.00	
83 Atrazine	200	8.463	8.463	0.000	94	789712	10.0	11.4	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	3101555	8.00	8.00	
* 102 Chrysene-d12	240	11.339	11.339	0.000	99	1997468	8.00	8.00	
* 109 Perylene-d12	264	13.222	13.222	0.000	98	1657716	8.00	8.00	

Reagents:

SM_BNAL5B_00041 Amount Added: 1.00 Units: mL

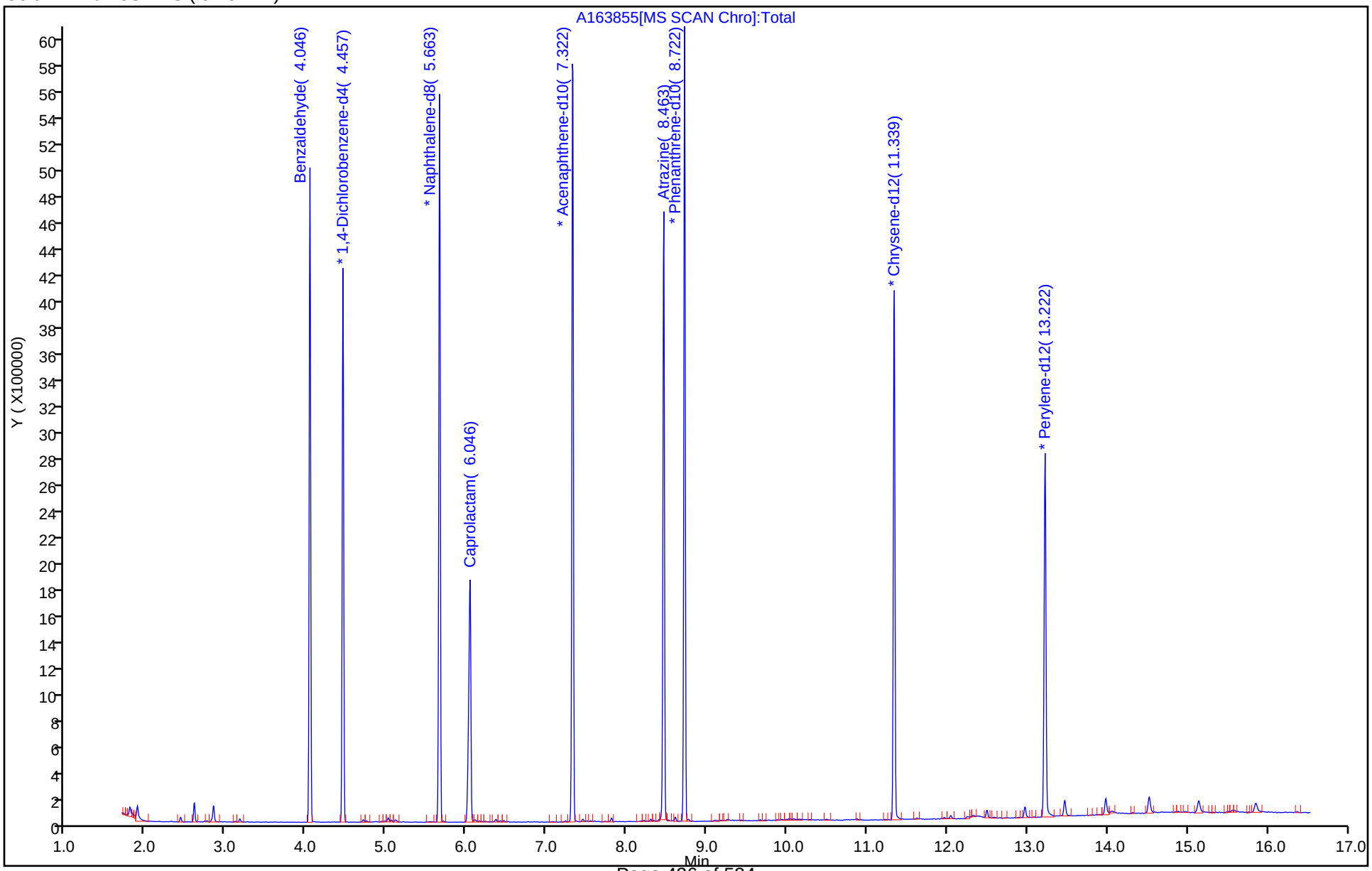
Report Date: 16-Sep-2019 08:51:14 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163855.D

Injection Date:	15-Sep-2019 18:21:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ccv			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Sep-2019 10:47:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-001
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 10:22:03 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 11:04:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.640	4.640	0.000	90	365873	NR	NR	
56 Benzidine_T	184	5.857	5.857	0.000	99	2915983	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	5.619	5.619	0.000	1	0		NR	a
125 4,4'-DDE	246	6.004	6.004	0.000	84	1439		NR	a
127 4,4'-DDT	235	6.510	6.510	0.000	98	1067599	NR	NR	

QC Flag Legend

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

Reagents:

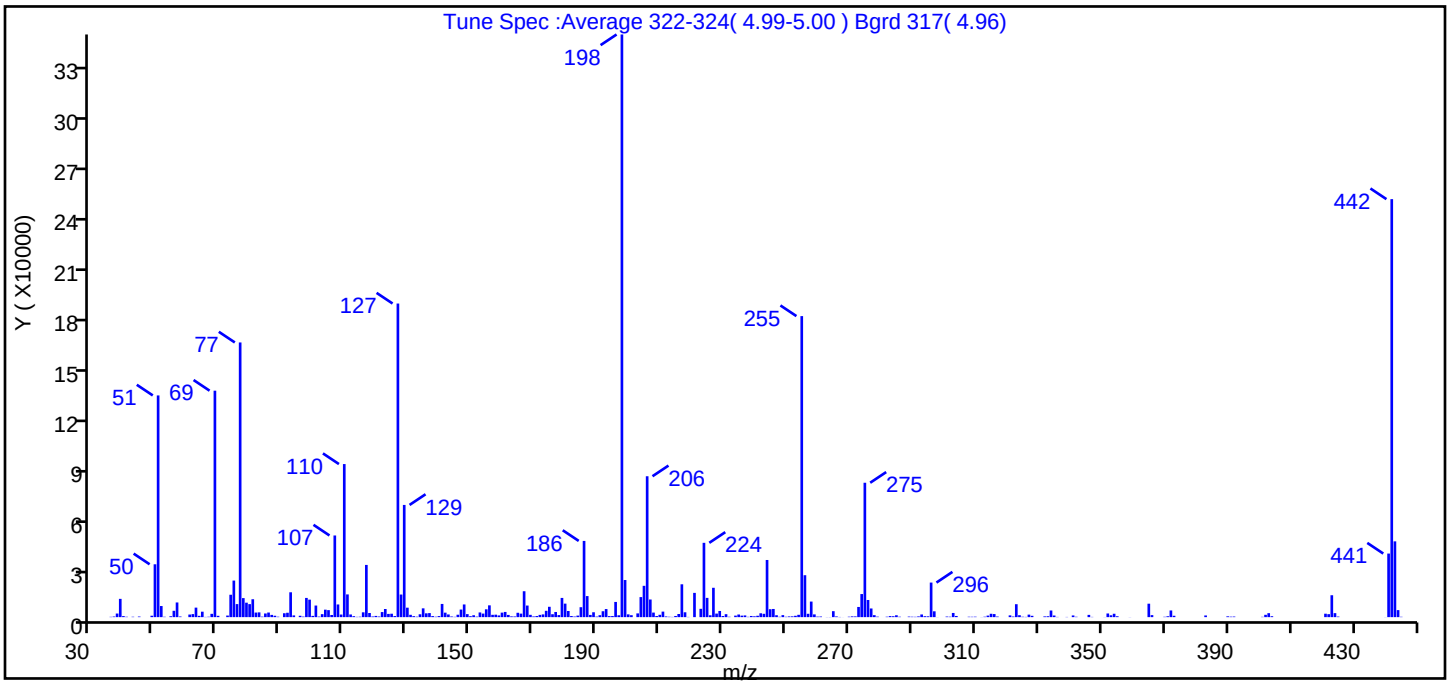
SMDFTP_CH_00028 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Injection Date: 04-Sep-2019 10:47:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (139.4)
51	10-80% of the base peak	38.1
68	<2% of mass 69	0.6 (1.5)
69	Present	38.9
70	<2% of mass 69	0.2 (0.6)
127	10-80% of the base peak	53.8
197	<2% of mass 198	0.3
199	5-9% of mass 198	6.4
275	10-60% of the base peak	23.1
365	>1% of mass 198	2.3
441	present but <24% of mass 442	10.9 (15.2)
442	base peak, or >50% of 198	71.7
443	15-24% of mass 442	13.0 (18.1)

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D\8270LVI_16.rslt\spectra.d
Injection Date: 04-Sep-2019 10:47:30
Spectrum: Tune Spec :Average 322-324(4.99-5.00) Bgrd 317(4.96)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	184	124.00	1910	200.00	1640	283.00	624
37.00	363	125.00	2018	201.00	1145	284.00	536
38.00	2131	126.00	640	203.00	2212	285.00	1109
39.00	10793	127.00	185152	204.00	11835	286.00	255
40.00	614	128.00	13349	205.00	18488	289.00	331
41.00	231	129.00	66248	206.00	83184	290.00	247
43.00	231	130.00	5586	207.00	10417	291.00	200
45.00	354	131.00	1382	208.00	2689	292.00	434
49.00	833	132.00	580	209.00	664	293.00	1578
50.00	31208	133.00	279	210.00	1387	294.00	543
51.00	130896	134.00	1693	211.00	3268	295.00	484
52.00	6557	135.00	5195	212.00	398	296.00	20416
53.00	222	136.00	2256	213.00	224	297.00	3444
55.00	537	137.00	2398	214.00	136	298.00	50
56.00	3744	138.00	623	215.00	692	301.00	345
57.00	8665	139.00	248	216.00	1860	302.00	258
58.00	379	140.00	620	217.00	19400	303.00	2466
61.00	1534	141.00	7794	218.00	2869	304.00	694
62.00	1794	142.00	2644	219.00	126	308.00	242
63.00	5617	143.00	1580	221.00	14324	309.00	219
64.00	767	144.00	386	223.00	4917	310.00	266
65.00	3223	145.00	185	224.00	43880	312.00	51
66.00	130	146.00	1422	225.00	11371	313.00	254
67.00	236	147.00	4481	226.00	1100	314.00	909
68.00	1958	148.00	7494	227.00	17336	315.00	1989
69.00	133696	149.00	1777	228.00	2100	316.00	1817
70.00	786	150.00	571	229.00	3637	317.00	348
73.00	940	151.00	1116	230.00	667	321.00	1036
74.00	13225	152.00	311	231.00	1745	322.00	357
75.00	21592	153.00	2767	232.00	227	323.00	7641
76.00	7703	154.00	2098	234.00	898	324.00	1148
77.00	162176	155.00	4626	235.00	1549	325.00	240
78.00	11238	156.00	6968	236.00	891	326.00	139

Report Date: 05-Sep-2019 10:22:04 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D\8270LVI_16.rslt\spectra.d
Injection Date: 04-Sep-2019 10:47:30
Spectrum: Tune Spec :Average 322-324(4.99-5.00) Bgrd 317(4.96)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	8537	157.00	1373	237.00	1008	327.00	1482
80.00	7683	158.00	1457	238.00	184	328.00	783
81.00	10573	159.00	1005	239.00	691	332.00	431
82.00	2703	160.00	2668	240.00	491	333.00	530
83.00	2810	161.00	3073	241.00	817	334.00	3918
84.00	292	162.00	1312	242.00	2280	335.00	961
85.00	2159	163.00	454	243.00	1963	336.00	133
86.00	2717	164.00	394	244.00	33744	339.00	120
87.00	1325	165.00	2574	245.00	4679	341.00	997
88.00	825	166.00	2080	246.00	4826	342.00	221
89.00	256	167.00	15295	247.00	1133	346.00	1337
91.00	2300	168.00	6844	248.00	210	347.00	140
92.00	2590	169.00	1366	249.00	1188	351.00	52
93.00	14680	170.00	404	250.00	216	352.00	2164
94.00	1026	171.00	650	251.00	417	353.00	1094
96.00	807	172.00	1331	252.00	466	354.00	2002
97.00	311	173.00	1618	253.00	795	355.00	519
98.00	11348	174.00	3737	254.00	1376	359.00	54
99.00	10325	175.00	6117	255.00	177728	365.00	7941
100.00	739	176.00	1723	256.00	24752	366.00	1193
101.00	6848	177.00	3053	257.00	1980	370.00	210
102.00	322	178.00	1217	258.00	9193	371.00	522
103.00	1765	179.00	11347	259.00	1620	372.00	3943
104.00	4414	180.00	7975	260.00	314	373.00	808
105.00	4137	181.00	3631	261.00	364	383.00	993
106.00	1270	182.00	658	263.00	58	390.00	475
107.00	48216	183.00	351	264.00	77	391.00	283
108.00	7488	184.00	909	265.00	3522	392.00	347
109.00	1536	185.00	5868	266.00	416	401.00	180
110.00	90376	186.00	45000	267.00	112	402.00	1376
111.00	13422	187.00	12433	268.00	25	403.00	2346
112.00	1573	188.00	1308	270.00	257	404.00	544
113.00	567	189.00	2884	271.00	450	421.00	2027
114.00	171	190.00	310	272.00	431	422.00	1758

Report Date: 05-Sep-2019 10:22:04 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D\8270LVI_16.rslt\spectra.d
Injection Date: 04-Sep-2019 10:47:30
Spectrum: Tune Spec :Average 322-324(4.99-5.00) Bgrd 317(4.96)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	253	191.00	1141	273.00	6013	423.00	12935
116.00	2851	192.00	3485	274.00	13633	424.00	2361
117.00	30832	193.00	4776	275.00	79344	425.00	343
118.00	2449	194.00	611	276.00	10128	440.00	50
119.00	385	195.00	643	277.00	5118	441.00	37536
120.00	726	196.00	8979	278.00	1167	442.00	246784
121.00	371	197.00	1085	279.00	298	443.00	44744
122.00	2991	198.00	344000	281.00	5	444.00	4151
123.00	4805	199.00	21912	282.00	249	445.00	206

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Injection Date: 04-Sep-2019 10:47:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

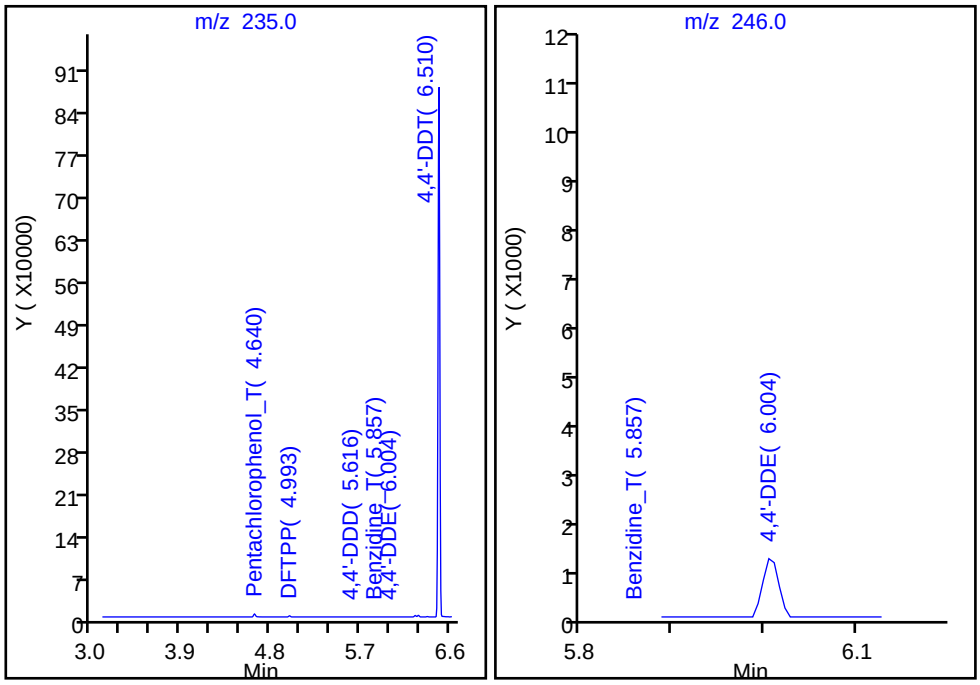
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

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

127 4,4'-DDT, Area = 1067599
126 4,4'-DDD, Area = 0
125 4,4'-DDE, Area = 1439

%Breakdown: 0.13%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

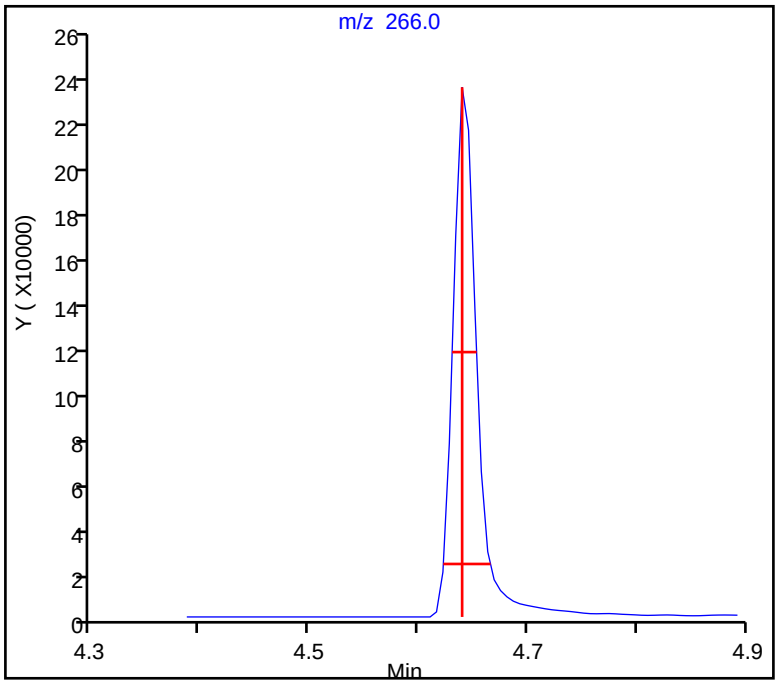
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Injection Date: 04-Sep-2019 10:47:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.026 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

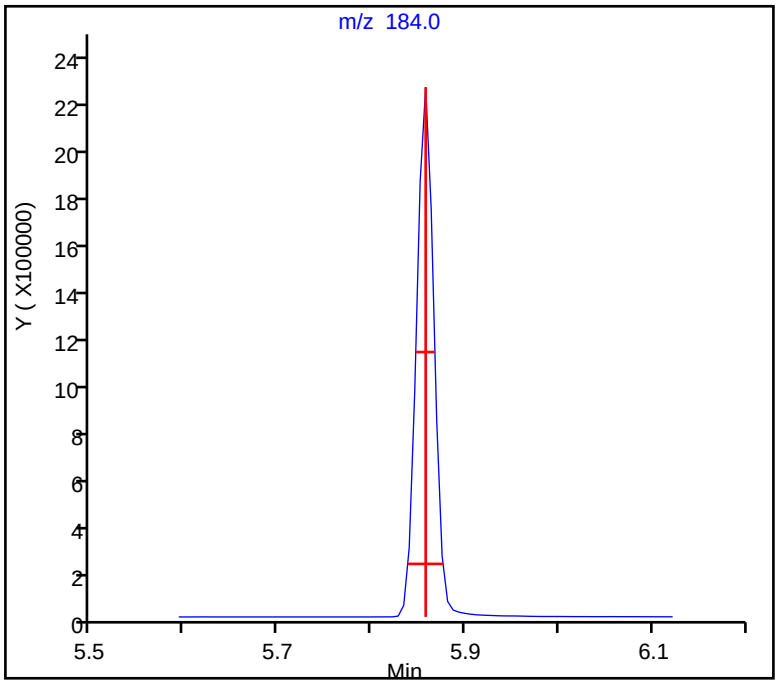
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Injection Date: 04-Sep-2019 10:47:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

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

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163853.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 15-Sep-2019 17:38:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-001
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:02 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: croccom Date: 16-Sep-2019 07:55:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.598	4.598	0.000	91	285241	NR	NR	
56 Benzidine_T	184	5.816	5.816	0.000	99	2577488	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.963	5.963	0.000	85	1448		NR	
126 4,4'-DDD	235	6.222	6.222	0.000	95	10810		NR	a
127 4,4'-DDT	235	6.463	6.463	0.000	98	1127197	NR	NR	

QC Flag Legend

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

Reagents:

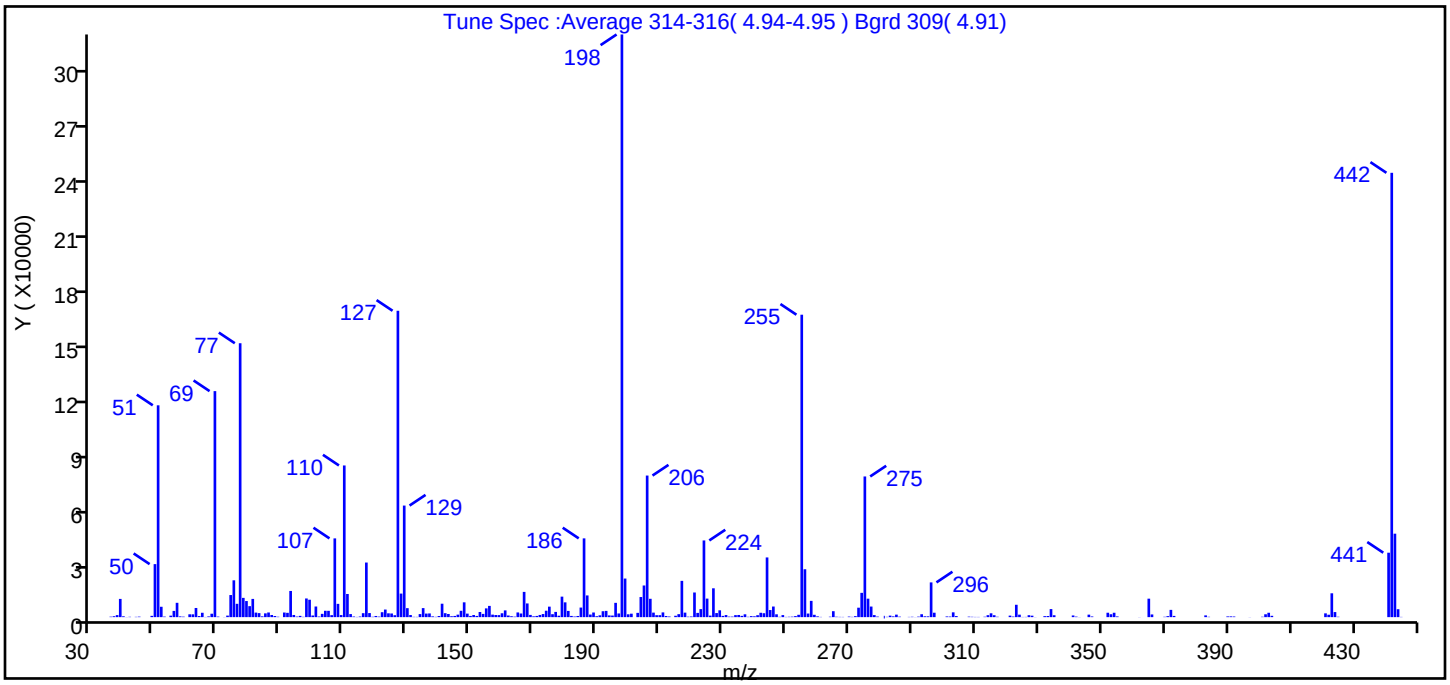
SMDFTP_CH_00029 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163853.D
Injection Date: 15-Sep-2019 17:38:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (131.1)
51	10-80% of the base peak	36.4
68	<2% of mass 69	0.6 (1.5)
69	Present	38.8
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	52.6
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.6
275	10-60% of the base peak	24.1
365	>1% of mass 198	3.2
441	present but <24% of mass 442	11.1 (14.5)
442	base peak, or >50% of 198	76.3
443	15-24% of mass 442	14.3 (18.8)

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163853.D\8270LVI_16.rslt\spectra.d
Injection Date: 15-Sep-2019 17:38:30
Spectrum: Tune Spec :Average 314-316(4.94-4.95) Bgrd 309(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 308

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	253	121.00	286	198.00	312448	281.00	1
37.00	495	122.00	2645	199.00	20696	282.00	164
38.00	1085	123.00	4072	200.00	1524	283.00	814
39.00	9777	124.00	2052	201.00	1856	284.00	414
40.00	455	125.00	1962	203.00	2295	285.00	1342
41.00	59	126.00	1039	204.00	10784	286.00	276
42.00	183	127.00	164288	205.00	16976	289.00	132
44.00	158	128.00	12633	206.00	75928	290.00	202
45.00	270	129.00	59832	207.00	9840	291.00	52
49.00	696	130.00	4819	208.00	2424	292.00	287
50.00	28432	131.00	1130	209.00	1053	293.00	1561
51.00	113592	132.00	161	210.00	1060	294.00	448
52.00	5561	133.00	139	211.00	2542	295.00	426
53.00	295	134.00	1641	212.00	595	296.00	18632
55.00	796	135.00	4844	213.00	347	297.00	2373
56.00	3338	136.00	1910	215.00	743	301.00	375
57.00	7682	137.00	1990	216.00	1593	302.00	316
58.00	396	138.00	412	217.00	19456	303.00	2577
59.00	261	139.00	157	218.00	2418	304.00	572
61.00	1525	140.00	600	219.00	257	308.00	269
62.00	1512	141.00	7203	220.00	350	309.00	183
63.00	4913	142.00	2126	221.00	13218	310.00	120
64.00	577	143.00	1692	222.00	2278	311.00	118
65.00	2343	144.00	488	223.00	4305	313.00	221
66.00	101	145.00	646	224.00	41128	314.00	1054
67.00	391	146.00	1334	225.00	9941	315.00	2063
68.00	1833	147.00	3405	226.00	818	316.00	1034
69.00	121200	148.00	7947	227.00	15468	317.00	207
70.00	305	149.00	1887	228.00	2185	321.00	813
72.00	62	150.00	648	229.00	3662	322.00	316
73.00	825	151.00	1147	230.00	678	323.00	6632
74.00	11848	152.00	657	231.00	1118	324.00	1328
75.00	19752	153.00	2759	232.00	290	325.00	104

Report Date: 16-Sep-2019 08:51:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163853.D\8270LVI_16.rslt\spectra.d
Injection Date: 15-Sep-2019 17:38:30
Spectrum: Tune Spec :Average 314-316(4.94-4.95) Bgrd 309(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 308

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	7149	154.00	1738	233.00	288	326.00	126
77.00	146880	155.00	4701	234.00	1077	327.00	1035
78.00	10334	156.00	6029	235.00	1160	328.00	780
79.00	8629	157.00	1343	236.00	694	329.00	60
80.00	5895	158.00	1137	237.00	1527	332.00	527
81.00	9776	159.00	1086	238.00	186	333.00	602
82.00	2433	160.00	2079	239.00	549	334.00	4322
83.00	2163	161.00	3616	240.00	447	335.00	1016
84.00	425	162.00	875	241.00	1042	341.00	903
85.00	2029	163.00	488	242.00	2341	342.00	284
86.00	2491	164.00	263	243.00	2107	343.00	55
87.00	1147	165.00	2519	244.00	32016	346.00	1338
88.00	602	166.00	1956	245.00	3807	347.00	368
89.00	216	167.00	13540	246.00	5693	352.00	2362
91.00	2476	168.00	7347	247.00	1522	353.00	1556
92.00	2313	169.00	1197	248.00	171	354.00	2355
93.00	14039	170.00	428	249.00	1097	355.00	378
94.00	1158	171.00	651	250.00	122	362.00	56
95.00	312	172.00	1173	251.00	206	365.00	9907
96.00	684	173.00	1663	252.00	267	366.00	1447
97.00	165	174.00	3441	253.00	561	370.00	189
98.00	10015	175.00	5632	254.00	1261	371.00	544
99.00	9333	176.00	1577	255.00	162176	372.00	3900
100.00	875	177.00	2811	256.00	25688	373.00	657
101.00	5703	178.00	762	257.00	1926	383.00	944
102.00	320	179.00	10997	258.00	8728	384.00	186
103.00	1765	180.00	7933	259.00	1258	390.00	385
104.00	3409	181.00	3335	260.00	426	391.00	408
105.00	3389	182.00	655	261.00	124	392.00	335
106.00	1062	183.00	326	264.00	237	397.00	55
107.00	42232	184.00	625	265.00	3189	401.00	215
108.00	7123	185.00	5135	266.00	221	402.00	1541
109.00	1108	186.00	42240	267.00	140	403.00	2349
110.00	81336	187.00	11639	268.00	121	404.00	712

Report Date: 16-Sep-2019 08:51:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163853.D\8270LVI_16.rslt\spectra.d
Injection Date: 15-Sep-2019 17:38:30
Spectrum: Tune Spec :Average 314-316(4.94-4.95) Bgrd 309(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 308

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	12421	188.00	1389	270.00	303	421.00	2032
112.00	1644	189.00	2490	271.00	150	422.00	1295
113.00	333	190.00	491	272.00	531	423.00	12788
114.00	113	191.00	969	273.00	5066	424.00	2723
115.00	329	192.00	3174	274.00	13028	425.00	211
116.00	2119	193.00	3349	275.00	75440	441.00	34552
117.00	29280	194.00	924	276.00	9904	442.00	238272
118.00	2186	195.00	853	277.00	5679	443.00	44752
119.00	198	196.00	7669	278.00	1091	444.00	4258
120.00	624	197.00	1970	279.00	309	445.00	128

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163853.D
Injection Date: 15-Sep-2019 17:38:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

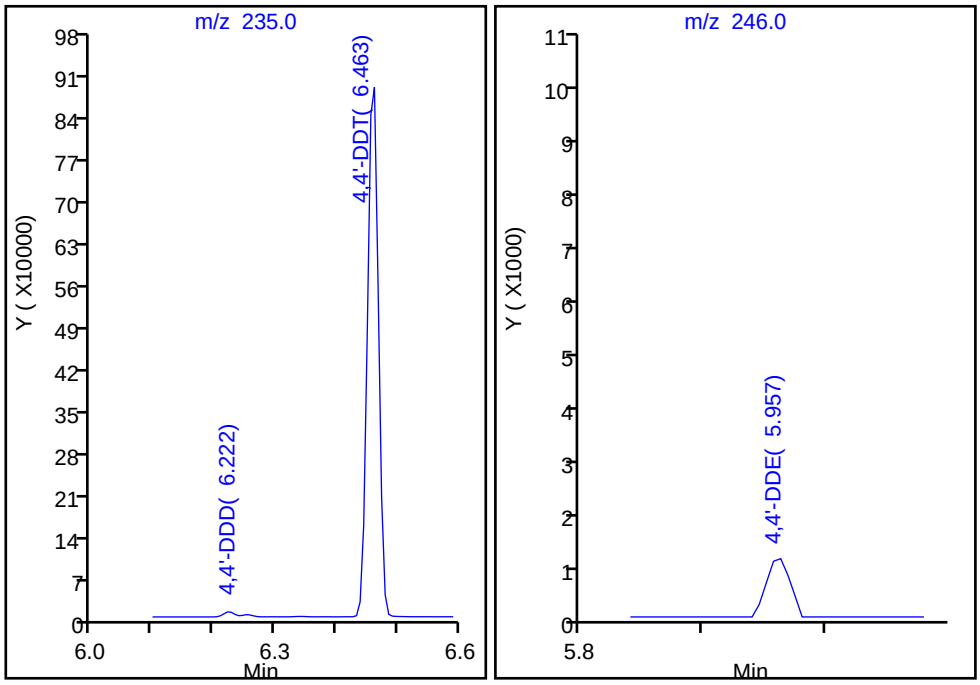
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

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

127 4,4'-DDT, Area = 1127197
126 4,4'-DDD, Area = 10810
125 4,4'-DDE, Area = 1448

%Breakdown: 1.08%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

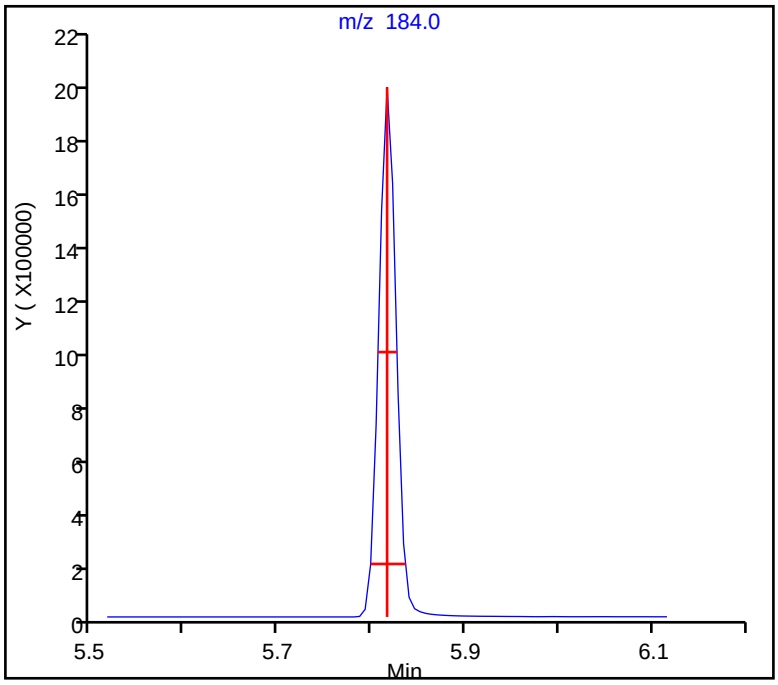
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163853.D
Injection Date: 15-Sep-2019 17:38:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.020 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

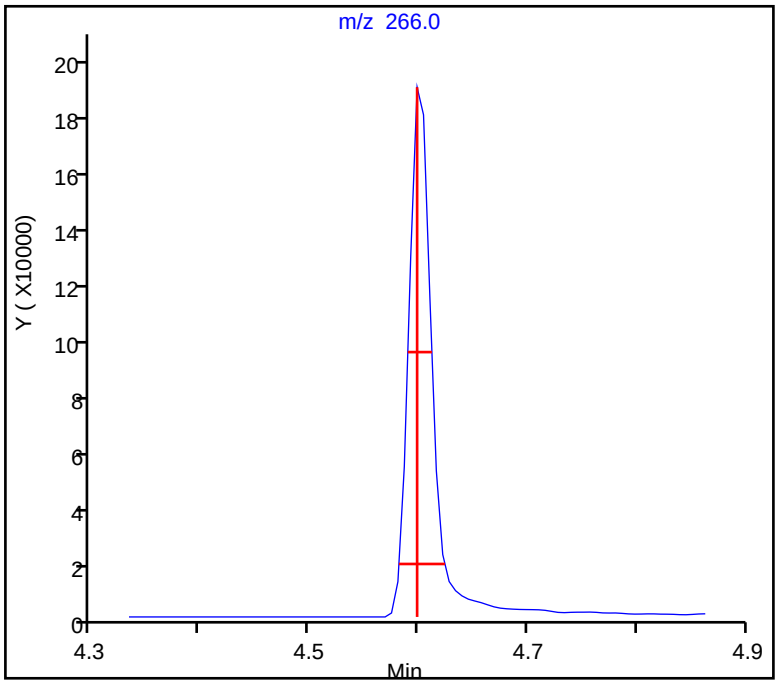
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163853.D
Injection Date: 15-Sep-2019 17:38:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.026 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639442/1-A

Matrix: Water Lab File ID: A163857.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:14

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639442/1-A

Matrix: Water Lab File ID: A163857.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:14

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639442/1-A

Matrix: Water Lab File ID: A163857.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:14

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		26-139
321-60-8	2-Fluorobiphenyl	69		45-107
367-12-4	2-Fluorophenol (Surr)	42		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	78		51-108
4165-62-2	Phenol-d5 (Surr)	29		14-39
1718-51-0	Terphenyl-d14 (Surr)	80		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D
Lims ID: MB 460-639442/1-A
Client ID:
Sample Type: MB
Inject. Date: 15-Sep-2019 19:14:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-005
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: croccom Date: 16-Sep-2019 08:02:02

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	3.275	3.281	-0.006	96	848393	10.0	4.16	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	677167	10.0	2.86	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.463	-0.006	96	1143531	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.987	-0.006	86	1555337	10.0	7.80	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	4621068	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.692	-0.005	98	3059034	10.0	6.88	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	2320406	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	366402	10.0	8.81	
58 1-Naphthylamine	143	8.069	8.116	-0.047	59	142486		NC	
* 87 Phenanthrene-d10	188	8.722	8.727	-0.005	98	3882221	8.00	8.00	
$ 96 Terphenyl-d14	244	10.227	10.227	0.000	100	2596764	10.0	7.95	
* 102 Chrysene-d12	240	11.333	11.345	-0.012	99	2266665	8.00	8.00	
* 109 Perylene-d12	264	13.221	13.221	0.000	98	2160028	8.00	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

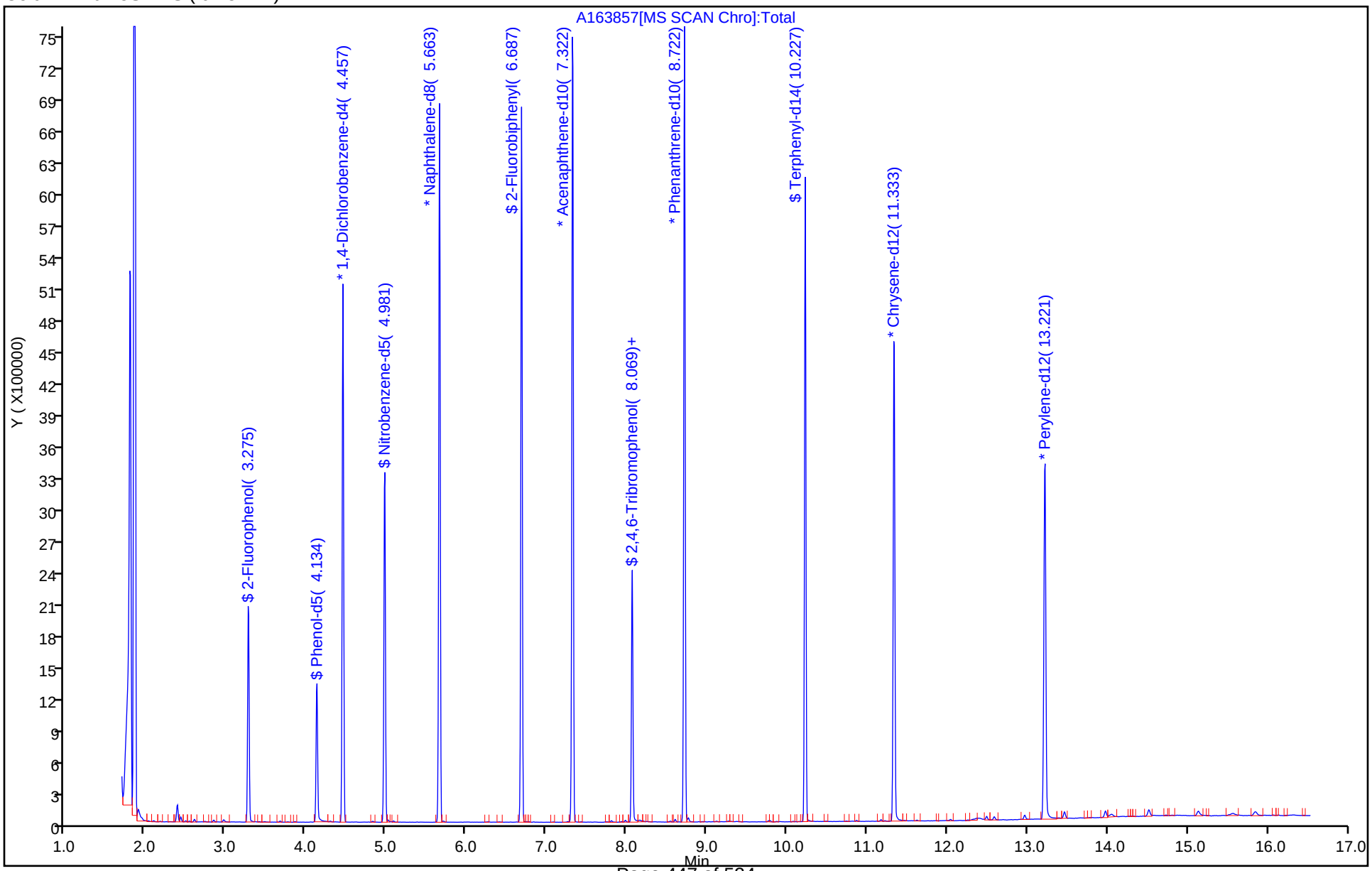
Report Date: 16-Sep-2019 08:51:16 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D

Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	MB 460-639442/1-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



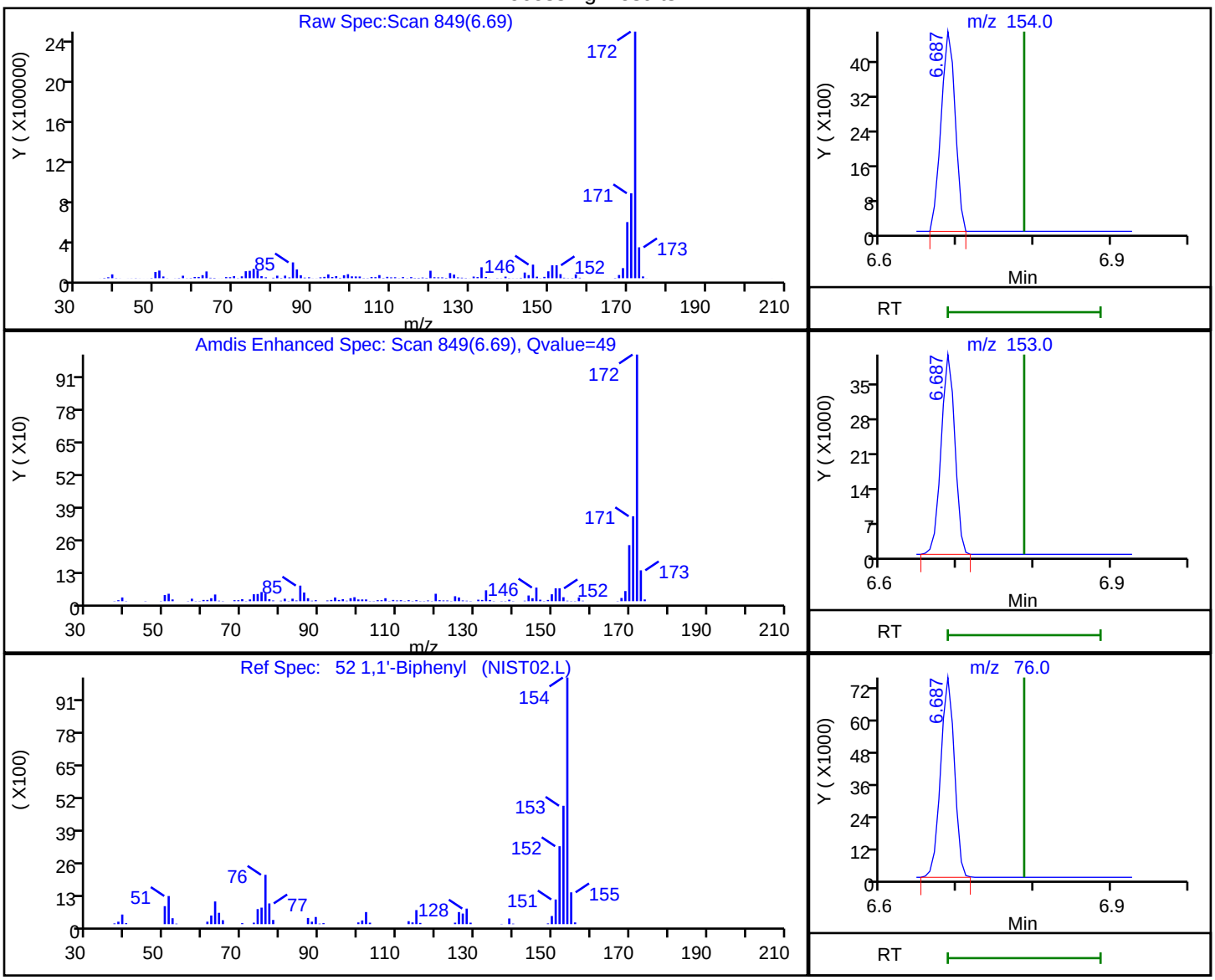
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D				
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639442/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.69	154.00	6032	0.012204
6.69	153.00	50092	
6.69	76.00	95028	

Reviewer: croccom, 16-Sep-2019 08:00:52

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

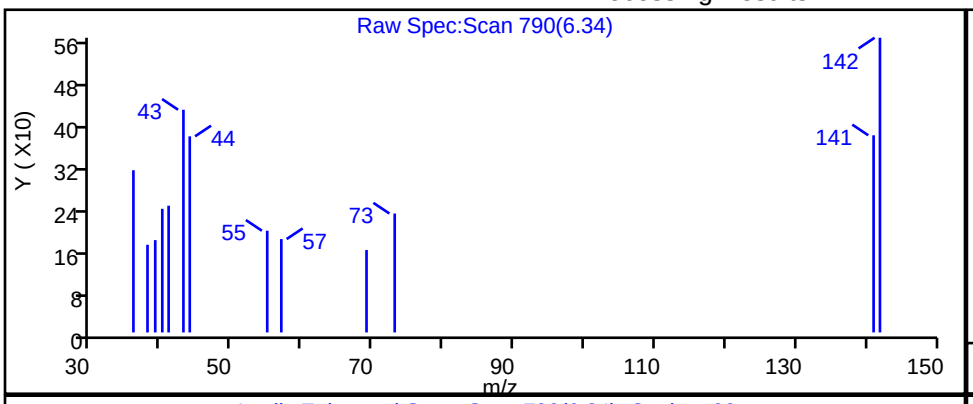
User Disabled Compound Report

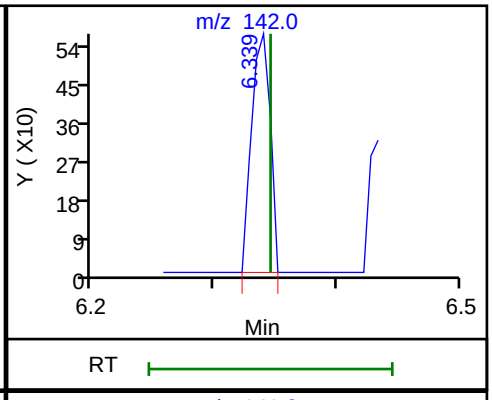
Eurofins TestAmerica, Edison

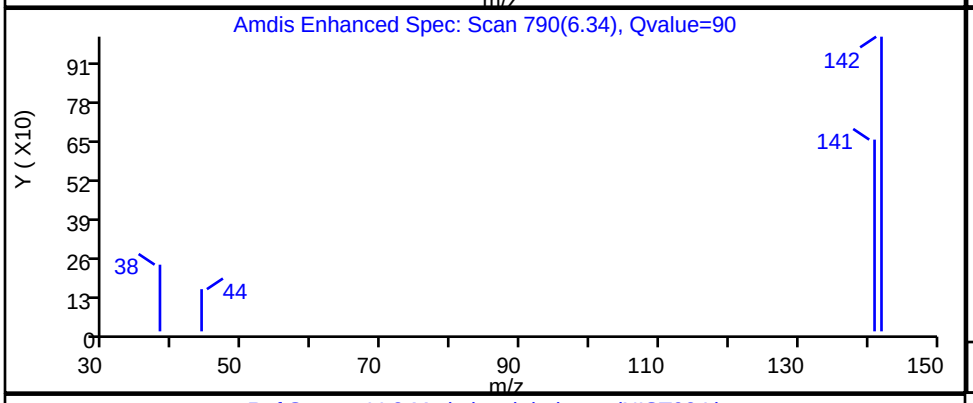
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D		
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16
Lims ID:	MB 460-639442/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

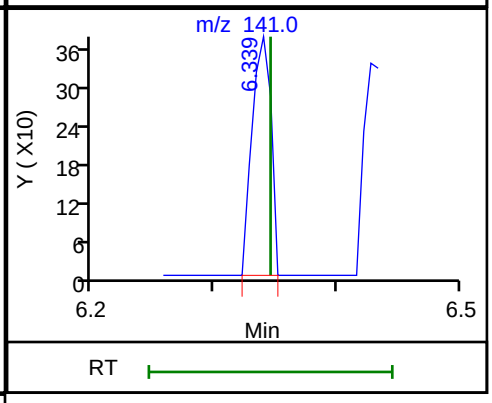
44 2-Methylnaphthalene, CAS: 91-57-6

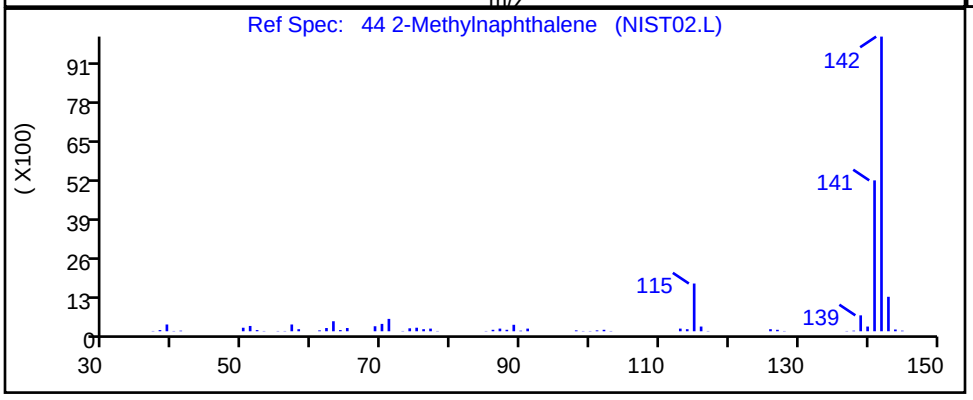
Processing Results











RT	Mass	Response	Amount
6.34	142.00	599	0.001576
6.34	141.00	408	

Reviewer: croccom, 16-Sep-2019 08:00:47

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

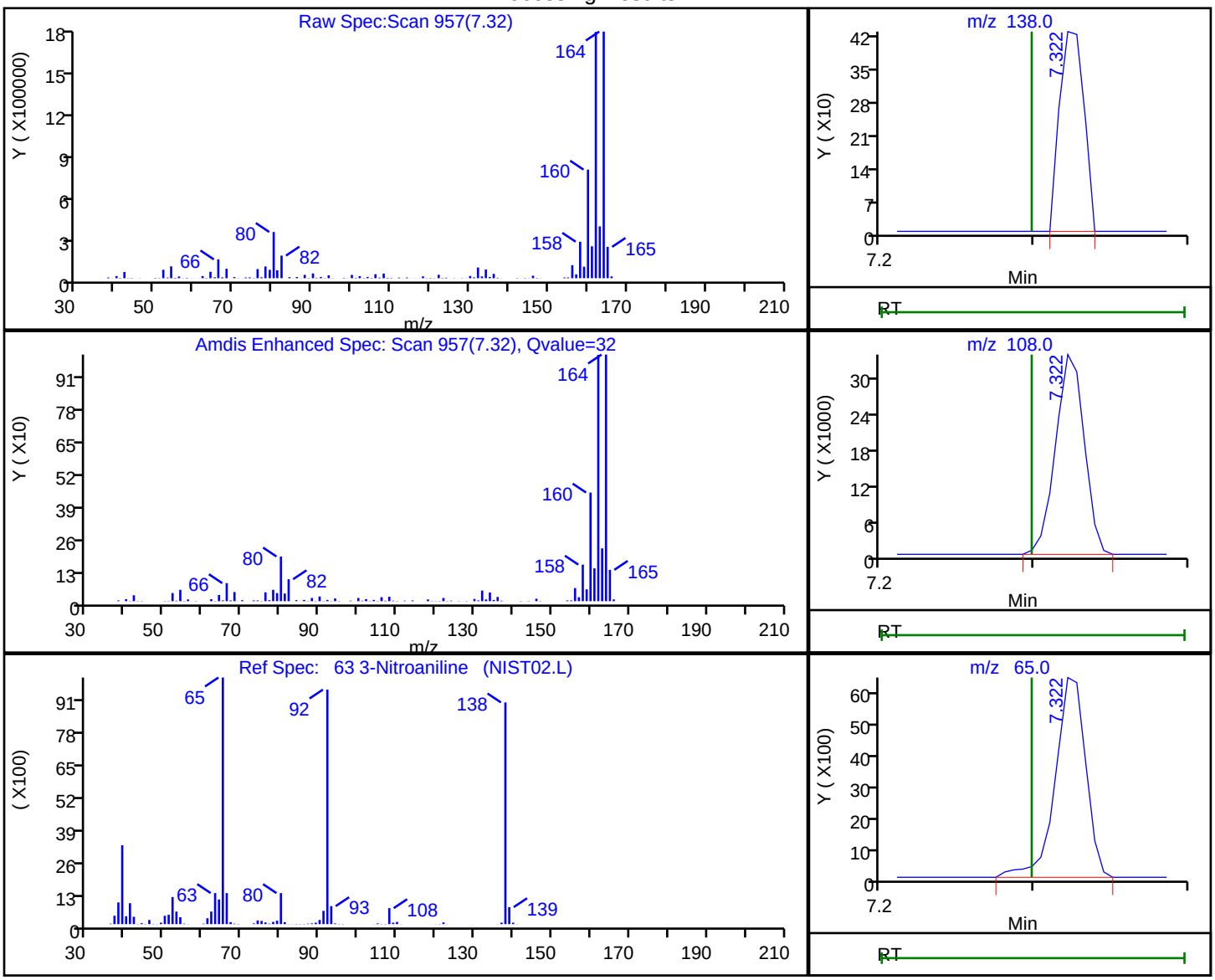
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D		
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16
Lims ID:	MB 460-639442/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	5 Worklist Smp#: 5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.32	138.00	477	0.004749
7.32	108.00	43266	
7.32	65.00	8965	

Reviewer: croccom, 16-Sep-2019 08:00:55

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

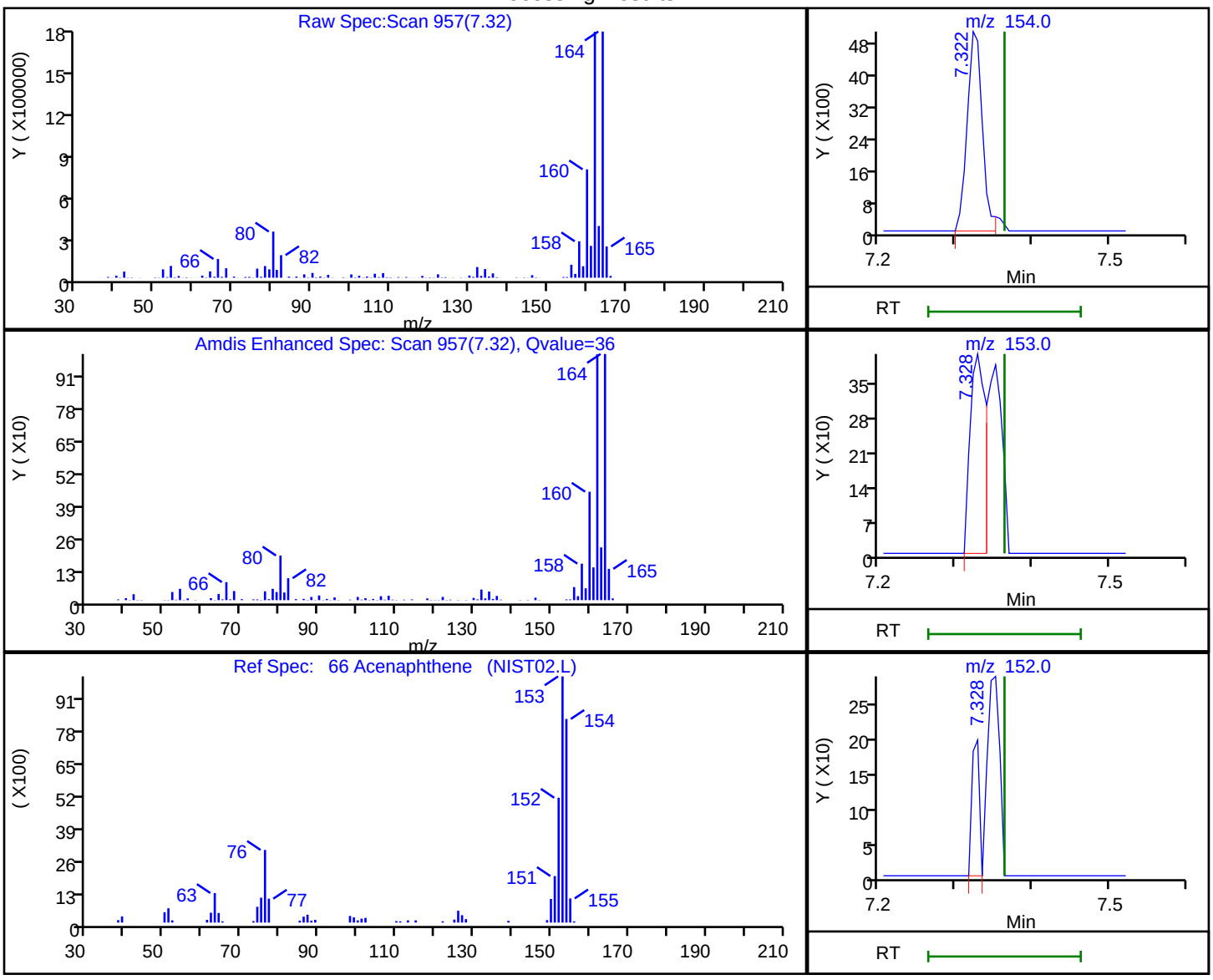
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D				
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639442/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.32	154.00	7018	0.019139
7.33	153.00	567	
7.33	152.00	133	

Reviewer: croccom, 16-Sep-2019 08:00:56

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

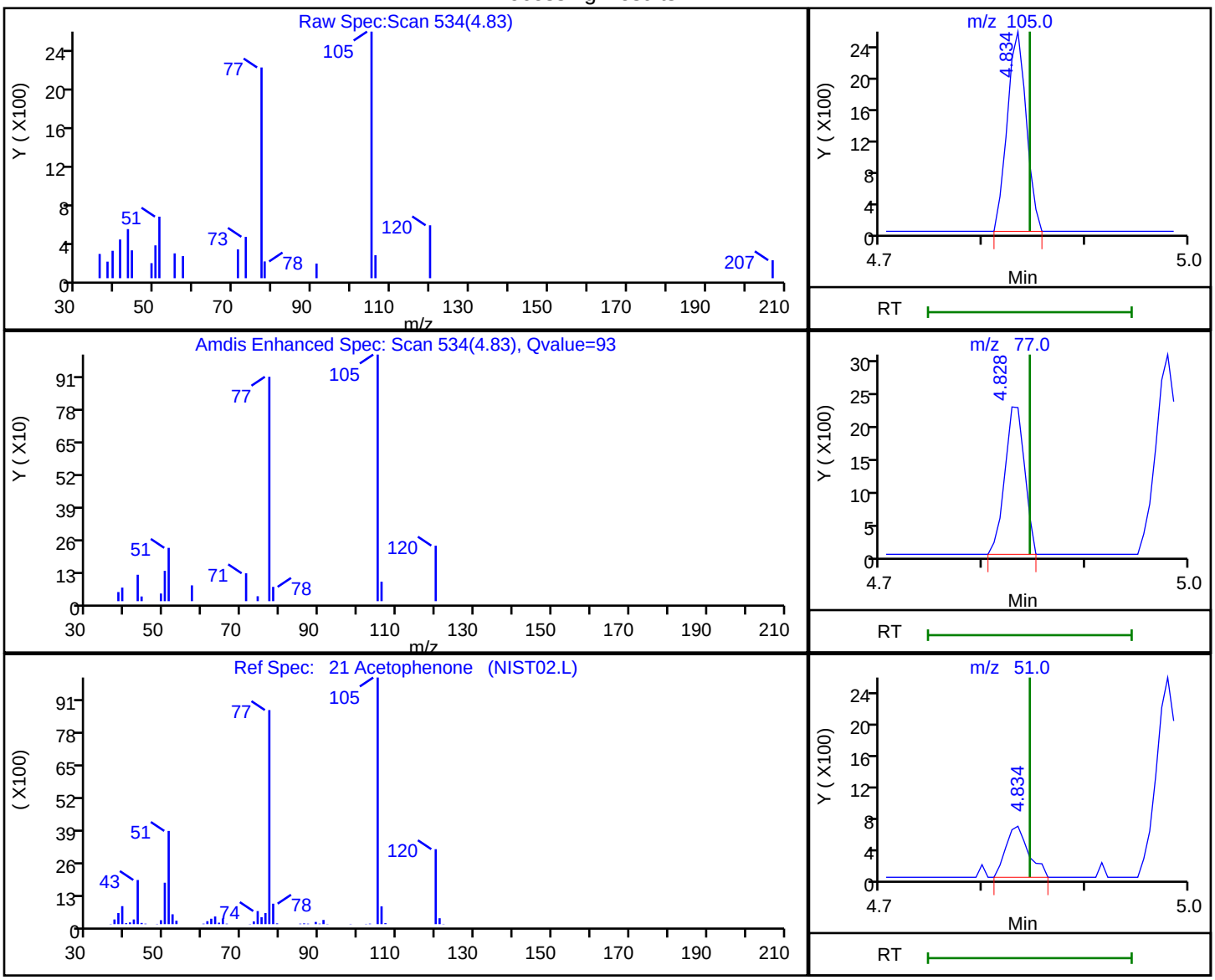
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D				
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639442/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

21 Acetophenone, CAS: 98-86-2

Processing Results



RT	Mass	Response	Amount
4.83	105.00	3358	0.012908
4.83	77.00	3005	
4.83	51.00	1005	

Reviewer: croccom, 16-Sep-2019 08:00:41

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

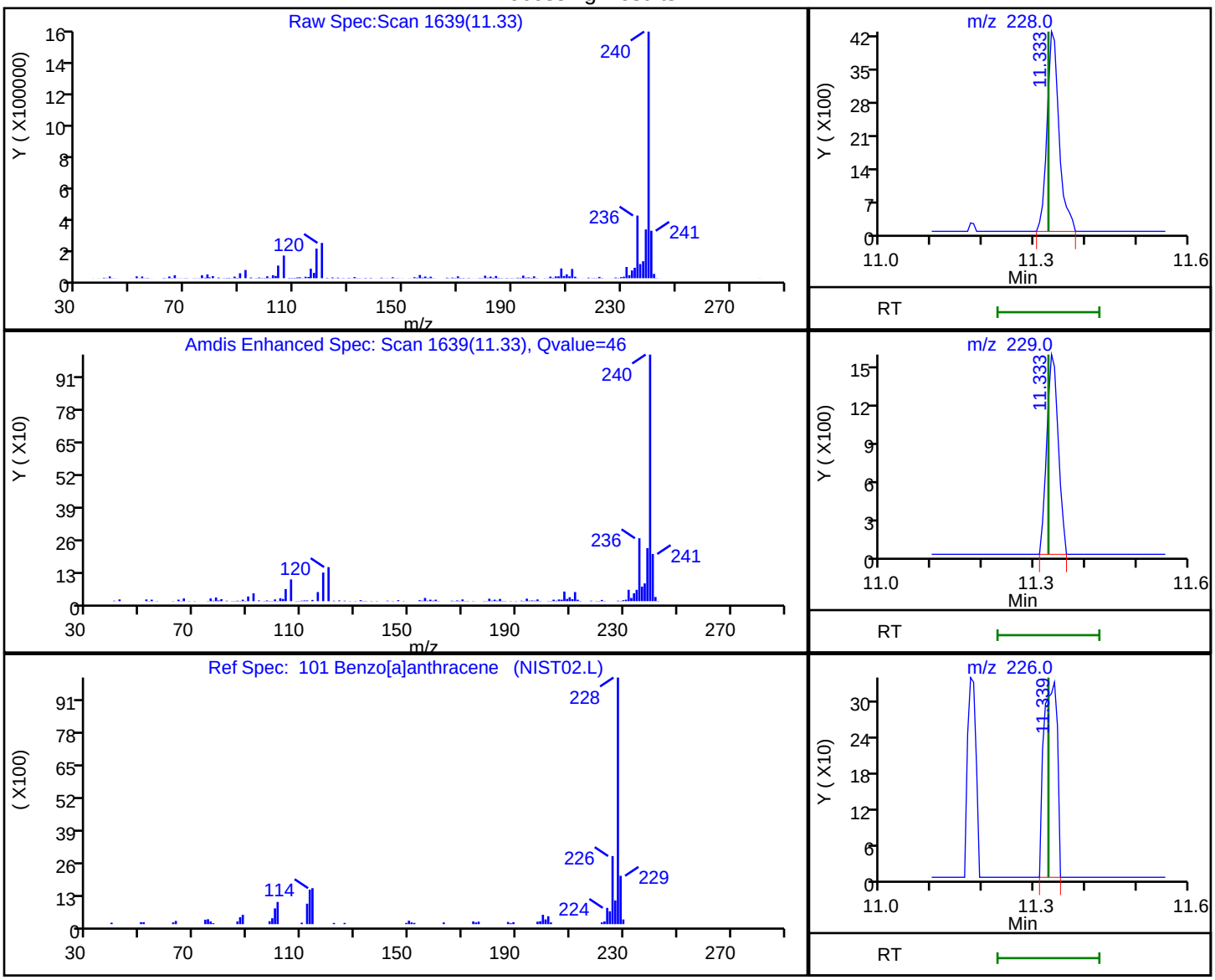
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D				
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639442/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
11.33	228.00	7045	0.018394
11.33	229.00	2413	
11.34	226.00	602	

Reviewer: croccom, 16-Sep-2019 08:01:05

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

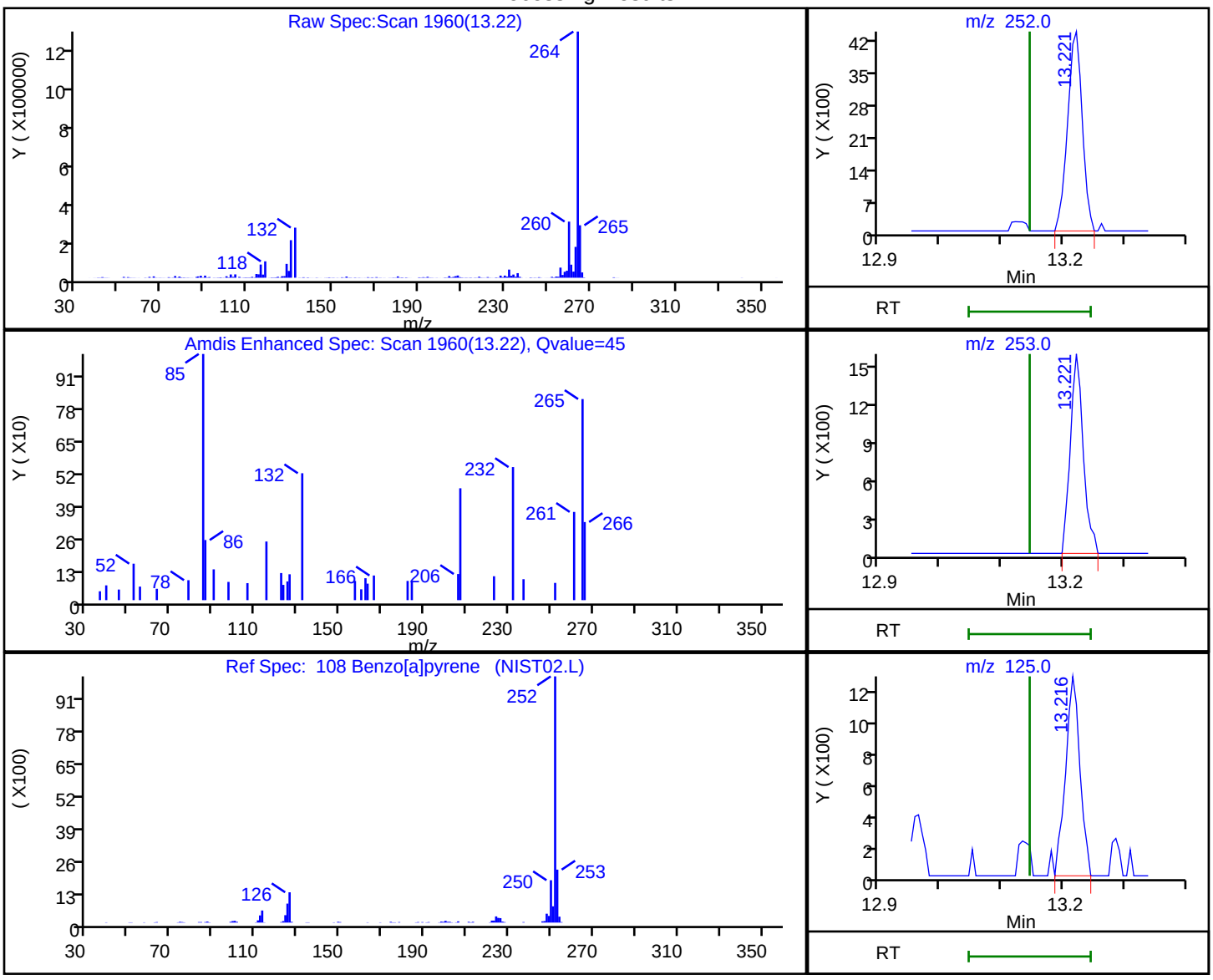
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D				
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639442/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	7203	0.023530
13.22	253.00	2338	
13.22	125.00	1990	

Reviewer: eisam, 15-Sep-2019 19:40:11

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

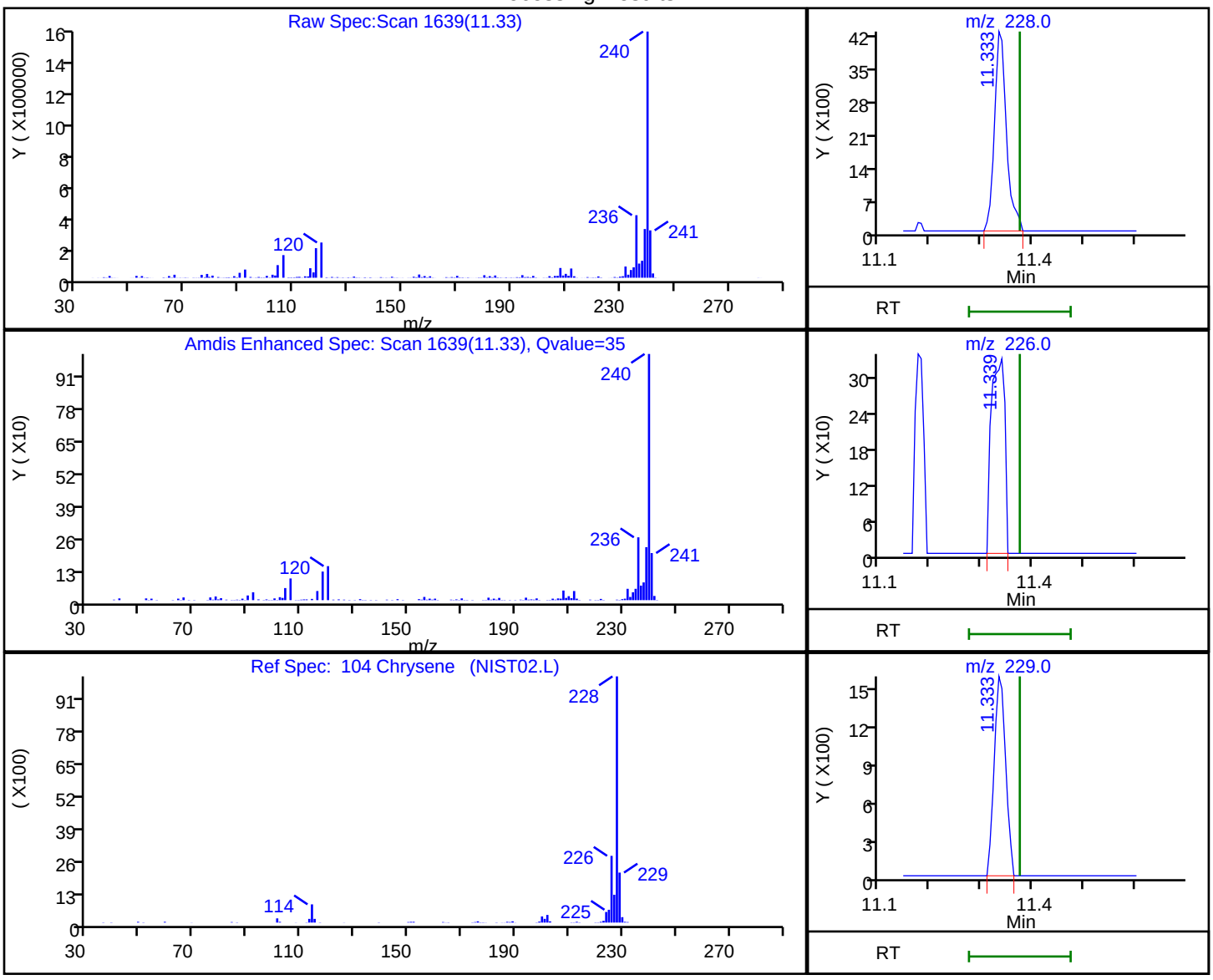
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D				
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639442/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.33	228.00	7045	0.019689
11.34	226.00	602	
11.33	229.00	2413	

Reviewer: croccom, 16-Sep-2019 08:01:06

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

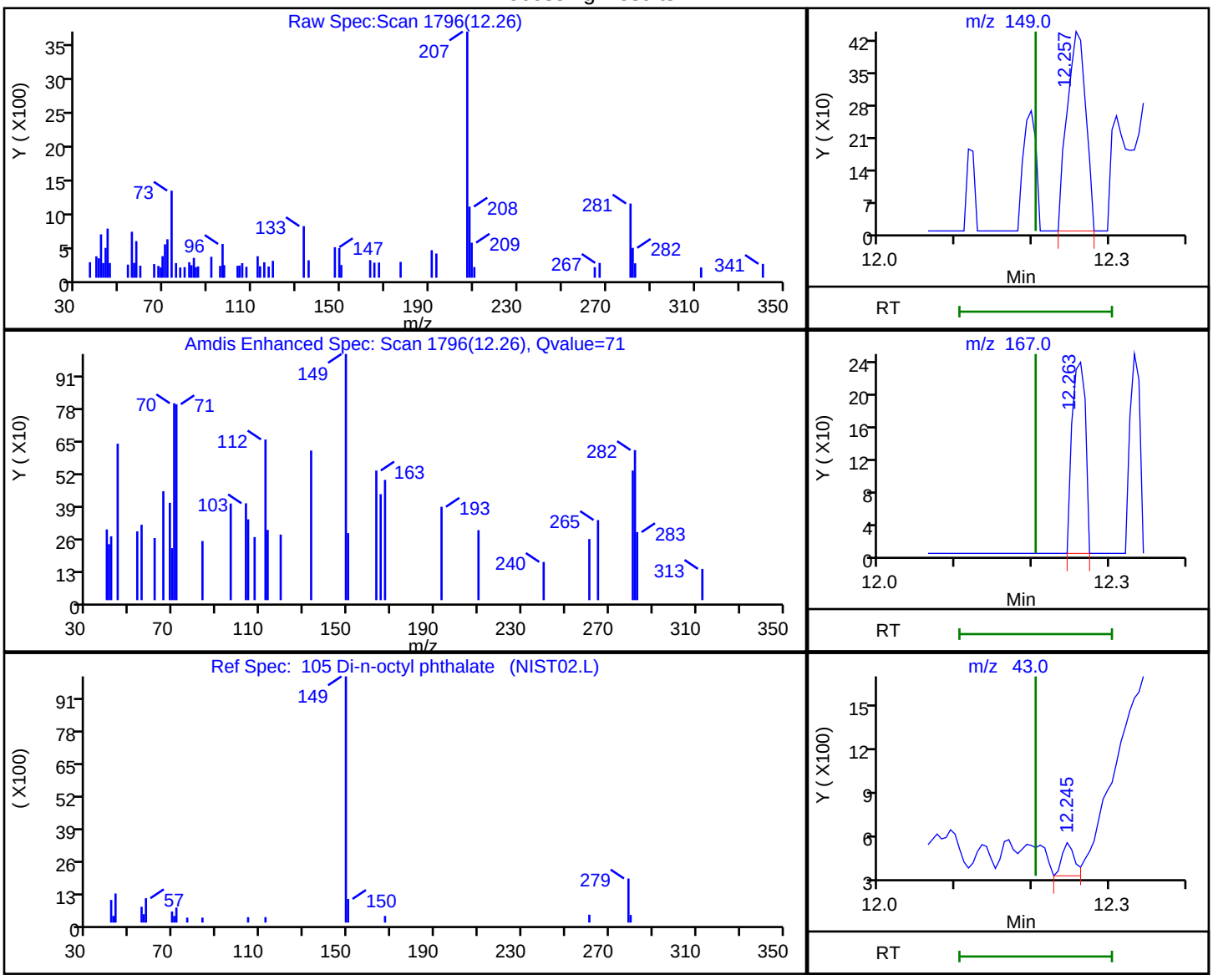
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D				
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639442/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
12.26	149.00	733	0.001736
12.26	167.00	281	
12.24	43.00	249	

Reviewer: croccom, 16-Sep-2019 08:01:09

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

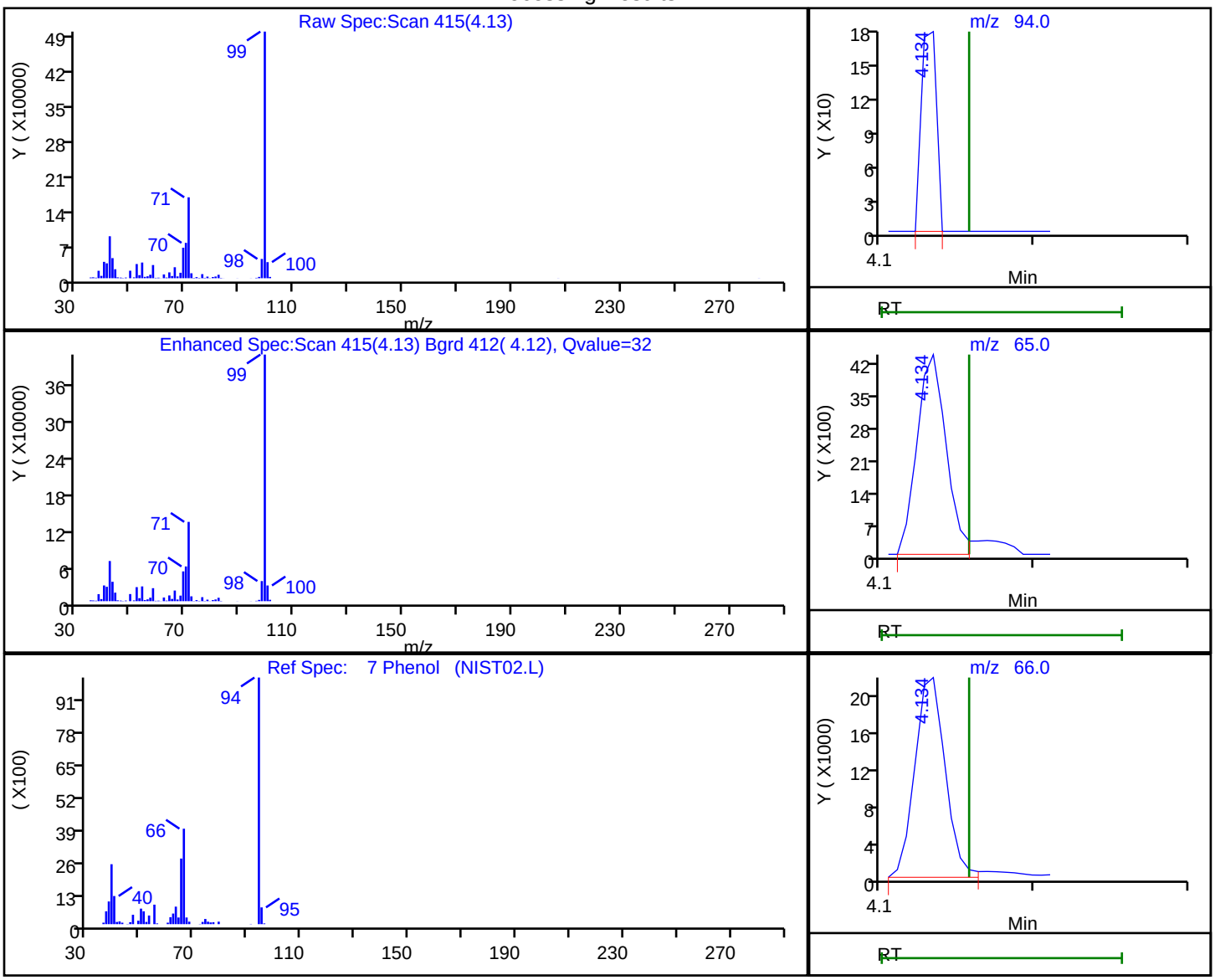
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163857.D				
Injection Date:	15-Sep-2019 19:14:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639442/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.13	94.00	122	0.000488
4.13	65.00	5798	
4.13	66.00	30342	

Reviewer: croccom, 16-Sep-2019 08:00:32

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.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639442/2-A

Matrix: Water Lab File ID: A163858.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	59.8		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	59.8		10	0.63
95-95-4	2,4,5-Trichlorophenol	62.0		10	0.28
88-06-2	2,4,6-Trichlorophenol	65.7		10	0.30
120-83-2	2,4-Dichlorophenol	67.2		10	0.42
105-67-9	2,4-Dimethylphenol	61.9		10	0.24
51-28-5	2,4-Dinitrophenol	173		20	14
121-14-2	2,4-Dinitrotoluene	69.3		2.0	1.0
606-20-2	2,6-Dinitrotoluene	69.6		2.0	0.39
91-58-7	2-Chloronaphthalene	58.6		10	1.2
95-57-8	2-Chlorophenol	59.0		10	0.38
91-57-6	2-Methylnaphthalene	59.9		10	1.1
95-48-7	2-Methylphenol	53.6		10	0.26
88-74-4	2-Nitroaniline	68.8		10	0.47
88-75-5	2-Nitrophenol	75.2		10	0.75
91-94-1	3,3'-Dichlorobenzidine	70.7		10	1.4
99-09-2	3-Nitroaniline	64.0		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	162		20	13
101-55-3	4-Bromophenyl phenyl ether	68.0		10	0.75
59-50-7	4-Chloro-3-methylphenol	65.9		10	0.58
106-47-8	4-Chloroaniline	64.8		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	67.7		10	1.3
106-44-5	4-Methylphenol	52.6		10	0.24
100-01-6	4-Nitroaniline	69.1		10	0.54
100-02-7	4-Nitrophenol	61.5		20	0.69
83-32-9	Acenaphthene	60.5		10	1.1
208-96-8	Acenaphthylene	62.6		10	0.82
98-86-2	Acetophenone	70.7		10	0.79
120-12-7	Anthracene	67.2		10	0.63
56-55-3	Benzo[a]anthracene	68.5		1.0	0.59
50-32-8	Benzo[a]pyrene	62.7		1.0	0.41
205-99-2	Benzo[b]fluoranthene	65.5		2.0	1.1
191-24-2	Benzo[g,h,i]perylene	64.5		10	1.4
207-08-9	Benzo[k]fluoranthene	68.7		1.0	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639442/2-A

Matrix: Water Lab File ID: A163858.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	67.4		10	0.24
111-44-4	Bis(2-chloroethyl)ether	68.2		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	74.9		2.0	1.7
85-68-7	Butyl benzyl phthalate	74.1		10	0.85
86-74-8	Carbazole	66.2		10	0.68
218-01-9	Chrysene	69.2		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	69.2		1.0	0.72
132-64-9	Dibenzofuran	65.4		10	1.1
84-66-2	Diethyl phthalate	67.6		10	0.98
131-11-3	Dimethyl phthalate	67.3		10	0.77
84-74-2	Di-n-butyl phthalate	69.5		10	0.84
117-84-0	Di-n-octyl phthalate	71.4		10	4.8
206-44-0	Fluoranthene	65.8		10	0.84
86-73-7	Fluorene	66.5		10	0.91
118-74-1	Hexachlorobenzene	70.1		1.0	0.40
87-68-3	Hexachlorobutadiene	48.4		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	41.1		10	1.7
67-72-1	Hexachloroethane	42.9		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	67.6		2.0	1.3
78-59-1	Isophorone	69.0		10	0.80
91-20-3	Naphthalene	54.5		10	1.1
98-95-3	Nitrobenzene	69.7		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	71.1		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	67.3		10	0.89
87-86-5	Pentachlorophenol	132		20	1.4
85-01-8	Phenanthrene	66.3		10	0.58
108-95-2	Phenol	29.1		10	0.29
129-00-0	Pyrene	72.1		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639442/2-A

Matrix: Water Lab File ID: A163858.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	101		26-139
321-60-8	2-Fluorobiphenyl	83		45-107
367-12-4	2-Fluorophenol (Surr)	47		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	93		51-108
4165-62-2	Phenol-d5 (Surr)	32		14-39
1718-51-0	Terphenyl-d14 (Surr)	94		40-148

Report Date: 16-Sep-2019 08:51:24 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163858.D
Lims ID: LCS 460-639442/2-A
Client ID:
Sample Type: LCS
Inject. Date: 15-Sep-2019 19:34:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-006
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: eisam Date: 15-Sep-2019 20:13:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.005	2.034	-0.029	94	386025	10.0	4.52	
2 N-Nitrosodimethylamine	74	2.193	2.222	-0.029	90	639247	10.0	4.96	
3 Pyridine	79	2.228	2.257	-0.029	94	1829488	20.0	9.87	
$ 4 2-Fluorophenol	112	3.269	3.281	-0.012	97	1029514	10.0	4.70	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	819098	10.0	3.22	
8 Aniline	93	4.151	4.157	-0.006	93	2208650	10.0	6.83	
7 Phenol	94	4.146	4.157	-0.011	88	973373	10.0	3.64	
9 Bis(2-chloroethyl)ether	93	4.199	4.204	-0.005	99	1736318	10.0	8.53	
10 Benzonitrile	103	4.222	4.228	-0.006	99	3240579	NC	NC	
11 2-Chlorophenol	128	4.275	4.281	-0.006	98	1676232	10.0	7.37	
12 n-Decane	43	4.304	4.310	-0.006	89	1012078	10.0	4.95	
13 1,3-Dichlorobenzene	146	4.410	4.410	0.000	96	1290039	10.0	5.41	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.463	-0.006	95	1225933	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.475	4.481	-0.006	95	1347167	10.0	5.60	
16 Benzyl alcohol	108	4.593	4.604	-0.011	94	779561	10.0	5.87	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1293828	10.0	5.67	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.716	-0.006	93	1861235	10.0	7.47	
18 2-Methylphenol	108	4.716	4.722	-0.006	89	1279761	10.0	6.70	
20 N-Methylaniline	106	4.834	4.834	0.000	96	2301788	10.0	7.82	
22 N-Nitrosodi-n-propylamine	70	4.840	4.845	-0.005	89	1188592	10.0	8.88	
21 Acetophenone	105	4.840	4.845	-0.005	92	2466394	10.0	8.84	
23 3 & 4 Methylphenol	108	4.863	4.869	-0.006	98	1392345	10.0	6.84	
24 4-Methylphenol	108	4.863	4.869	-0.006	95	1334864	10.0	6.58	
25 Hexachloroethane	117	4.940	4.945	-0.005	95	441195	10.0	5.37	
$ 27 Nitrobenzene-d5	82	4.987	4.987	0.000	86	1970777	10.0	9.27	
28 Nitrobenzene	123	5.004	5.004	0.000	96	877232	10.0	8.72	
29 n,n'-Dimethylaniline	120	5.004	5.010	-0.006	85	2388166	10.0	7.41	
30 Isophorone	82	5.228	5.228	0.000	99	3233035	10.0	8.62	
32 2-Nitrophenol	139	5.304	5.304	0.000	95	971388	10.0	9.40	
33 2,4-Dimethylphenol	122	5.363	5.369	-0.006	92	1427787	10.0	7.74	
34 Bis(2-chloroethoxy)methane	93	5.434	5.434	0.000	98	1989823	10.0	8.42	
35 Benzoic acid	122	5.457	5.487	-0.029	86	369047	10.0	4.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.551	5.551	0.000	97	1374800	10.0	8.40	
37 1,2,4-Trichlorobenzene	180	5.610	5.616	-0.006	94	1131772	10.0	6.30	
* 38 Naphthalene-d8	136	5.669	5.669	0.000	98	4925139	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.001	99	4330929	10.0	6.82	
40 4-Chloroaniline	127	5.745	5.745	0.000	97	2088734	10.0	8.09	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	95	529819	10.0	6.06	
43 4-Chloro-3-methylphenol	107	6.222	6.222	0.000	95	1314462	10.0	8.24	
44 2-Methylnaphthalene	142	6.340	6.345	-0.005	86	3034534	10.0	7.49	
45 1-Methylnaphthalene	142	6.434	6.439	-0.005	93	2825471	10.0	7.59	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	97	501776	10.0	5.13	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1230175	10.0	7.15	
48 2-tertbutyl-4-methylphenol	149	6.545	6.545	0.000	92	2204146	10.0	8.86	
49 2,4,6-Trichlorophenol	196	6.616	6.622	-0.006	93	960001	10.0	8.21	
50 2,4,5-Trichlorophenol	196	6.657	6.663	-0.006	98	992959	10.0	7.75	
$ 51 2-Fluorobiphenyl	172	6.692	6.692	0.000	98	3834603	10.0	8.26	
52 1,1'-Biphenyl	154	6.787	6.786	0.001	95	3859361	10.0	7.48	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	98	2898918	10.0	7.33	
54 Phenyl ether	170	6.881	6.886	-0.005	84	1937462	10.0	7.55	
55 2-Nitroaniline	65	6.904	6.904	0.000	95	1016240	10.0	8.60	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	2307105	10.0	7.37	
59 Dimethyl phthalate	163	7.081	7.081	0.000	99	3460686	10.0	8.42	
60 Coumarin	146	7.098	7.098	0.000	80	1118892	10.0	8.91	
61 2,6-Dinitrotoluene	165	7.128	7.133	-0.005	95	809139	10.0	8.70	
62 Acenaphthylene	152	7.192	7.192	0.000	98	4658418	10.0	7.82	
63 3-Nitroaniline	138	7.292	7.298	-0.006	98	839502	10.0	8.00	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	94	2423714	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	2337223	10.0	8.17	
66 Acenaphthene	154	7.357	7.363	-0.006	94	2898225	10.0	7.57	
67 2,4-Dinitrophenol	184	7.387	7.386	0.001	97	956842	20.0	21.6	
68 4-Nitrophenol	65	7.481	7.486	-0.005	90	491880	20.0	7.69	
69 2,4-Dinitrotoluene	165	7.510	7.510	0.000	96	1023442	10.0	8.67	
70 Dibenzofuran	168	7.522	7.522	0.000	96	4160630	10.0	8.17	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	93	725776	10.0	8.66	
73 Diethyl phthalate	149	7.739	7.745	-0.006	98	3453678	10.0	8.45	
74 4-Chlorophenyl phenyl ethe	204	7.839	7.845	-0.006	88	1423411	10.0	8.47	
75 Fluorene	166	7.845	7.845	0.000	95	3222055	10.0	8.32	
76 4-Nitroaniline	138	7.881	7.880	0.001	91	864692	10.0	8.64	
77 4,6-Dinitro-2-methylphenol	198	7.898	7.898	0.000	87	1163916	20.0	20.2	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	83	2482572	10.0	8.41	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	3237284	10.0	8.05	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	438831	10.0	10.1	
81 4-Bromophenyl phenyl ether	248	8.304	8.304	0.000	91	843991	10.0	8.50	
82 Hexachlorobenzene	284	8.369	8.369	0.000	98	905640	10.0	8.76	
84 Pentachlorophenol	266	8.557	8.557	0.000	93	937383	20.0	16.5	
85 Pentachloronitrobenzene	237	8.569	8.569	0.000	88	335281	10.0	8.59	
86 n-Octadecane	57	8.628	8.627	0.001	90	1885912	10.0	8.23	
* 87 Phenanthrene-d10	188	8.722	8.727	-0.005	98	3800939	8.00	8.00	
88 Phenanthrene	178	8.745	8.751	-0.006	97	4622857	10.0	8.29	
89 Anthracene	178	8.792	8.798	-0.006	99	4734421	10.0	8.41	
90 Carbazole	167	8.951	8.951	0.000	96	4144504	10.0	8.27	
91 Di-n-butyl phthalate	149	9.275	9.280	-0.005	99	5169412	10.0	8.69	
92 Fluoranthene	202	9.863	9.869	-0.006	98	4216058	10.0	8.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.992	9.992	0.000	99	1923499	10.0	6.39	
94 Pyrene	202	10.075	10.080	-0.005	98	4139345	10.0	9.01	
95 Bisphenol-A	213	10.233	10.227	0.006	91	96701	5.00	0.6798	a
$ 96 Terphenyl-d14	244	10.228	10.227	0.001	100	2840803	10.0	9.41	
97 Butyl benzyl phthalate	149	10.728	10.727	0.001	95	1753497	10.0	9.26	
99 Carbamazepine	193	10.839	10.845	-0.006	94	1373997	10.0	9.32	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	99	1085694	10.0	8.84	
101 Benzo[a]anthracene	228	11.327	11.327	0.000	98	3030963	10.0	8.56	
* 102 Chrysene-d12	240	11.339	11.345	-0.006	99	2095486	8.00	8.00	
104 Chrysene	228	11.369	11.374	-0.005	99	2862227	10.0	8.65	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.380	0.000	87	2201698	10.0	9.37	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3502360	10.0	8.93	
106 Benzo[b]fluoranthene	252	12.692	12.698	-0.006	99	2503296	10.0	8.18	
107 Benzo[k]fluoranthene	252	12.727	12.733	-0.006	99	2749630	10.0	8.59	
108 Benzo[a]pyrene	252	13.139	13.145	-0.006	97	2229786	10.0	7.84	
* 109 Perylene-d12	264	13.221	13.221	0.000	99	2006096	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.774	14.780	-0.006	99	2583962	10.0	8.45	
111 Dibenz(a,h)anthracene	278	14.815	14.815	0.000	97	2600790	10.0	8.66	
112 Benzo[g,h,i]perylene	276	15.210	15.209	0.001	98	2741905	10.0	8.06	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-Sep-2019 08:51:24 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163858.D

Injection Date: 15-Sep-2019 19:34:30 Instrument ID: CBNAMS16 Operator ID:

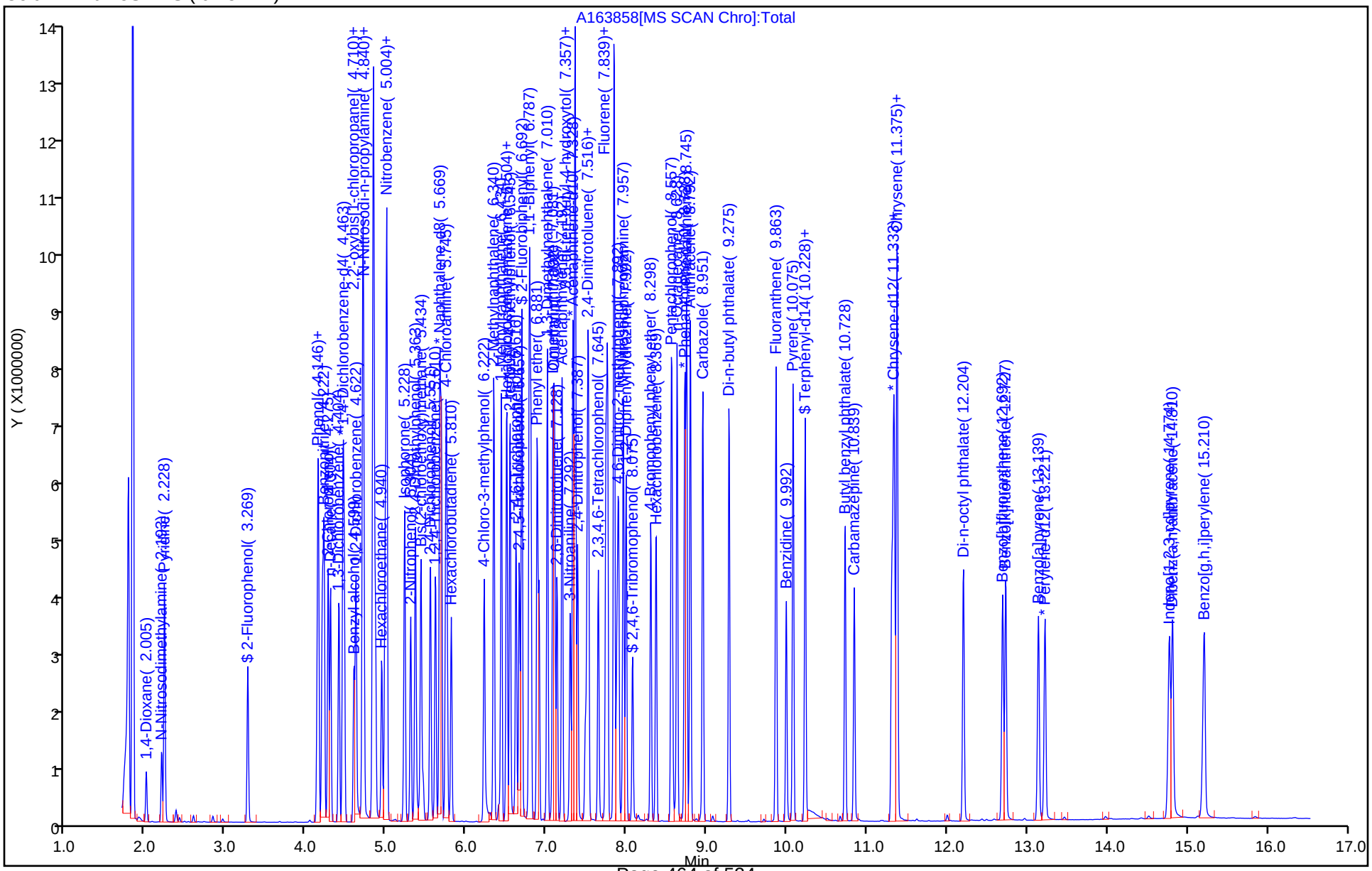
Lims ID: LCS 460-639442/2-A Worklist Smp#: 6

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639442/4-A

Matrix: Water Lab File ID: A163860.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 20:18

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	157		2.0	1.3
100-52-7	Benzaldehyde	124		10	0.59
105-60-2	Caprolactam	48.0		10	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102		26-139
321-60-8	2-Fluorobiphenyl	74		45-107
367-12-4	2-Fluorophenol (Surr)	44		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	84		51-108
4165-62-2	Phenol-d5 (Surr)	31		14-39
1718-51-0	Terphenyl-d14 (Surr)	89		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163860.D
Lims ID: LCS 460-639442/4-A
Client ID:
Sample Type: LCS
Inject. Date: 15-Sep-2019 20:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-008
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: eisam Date: 15-Sep-2019 20:41:52

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	3.275	3.281	-0.006	97	1043875	10.0	4.38	
5 Benzaldehyde	77	4.051	4.046	0.005	95	2956006	20.0	15.5	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	844738	10.0	3.05	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.463	-0.006	95	1333604	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.987	-0.006	86	2006889	10.0	8.39	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	5545902	8.00	8.00	
42 Caprolactam	113	6.040	6.046	-0.006	95	303397	20.0	6.01	
$ 51 2-Fluorobiphenyl	172	6.687	6.692	-0.005	98	3974503	10.0	7.36	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	2817423	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	516489	10.0	10.2	
83 Atrazine	200	8.469	8.463	0.006	94	2059716	20.0	19.6	
* 87 Phenanthrene-d10	188	8.722	8.727	-0.005	98	4685421	8.00	8.00	
$ 96 Terphenyl-d14	244	10.228	10.227	0.001	100	3354374	10.0	8.92	
* 102 Chrysene-d12	240	11.339	11.345	-0.006	99	2610159	8.00	8.00	
* 109 Perylene-d12	264	13.221	13.221	0.000	98	2427690	8.00	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-Sep-2019 08:51:33 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163860.D

Injection Date: 15-Sep-2019 20:18:30 Instrument ID: CBNAMS16 Operator ID:

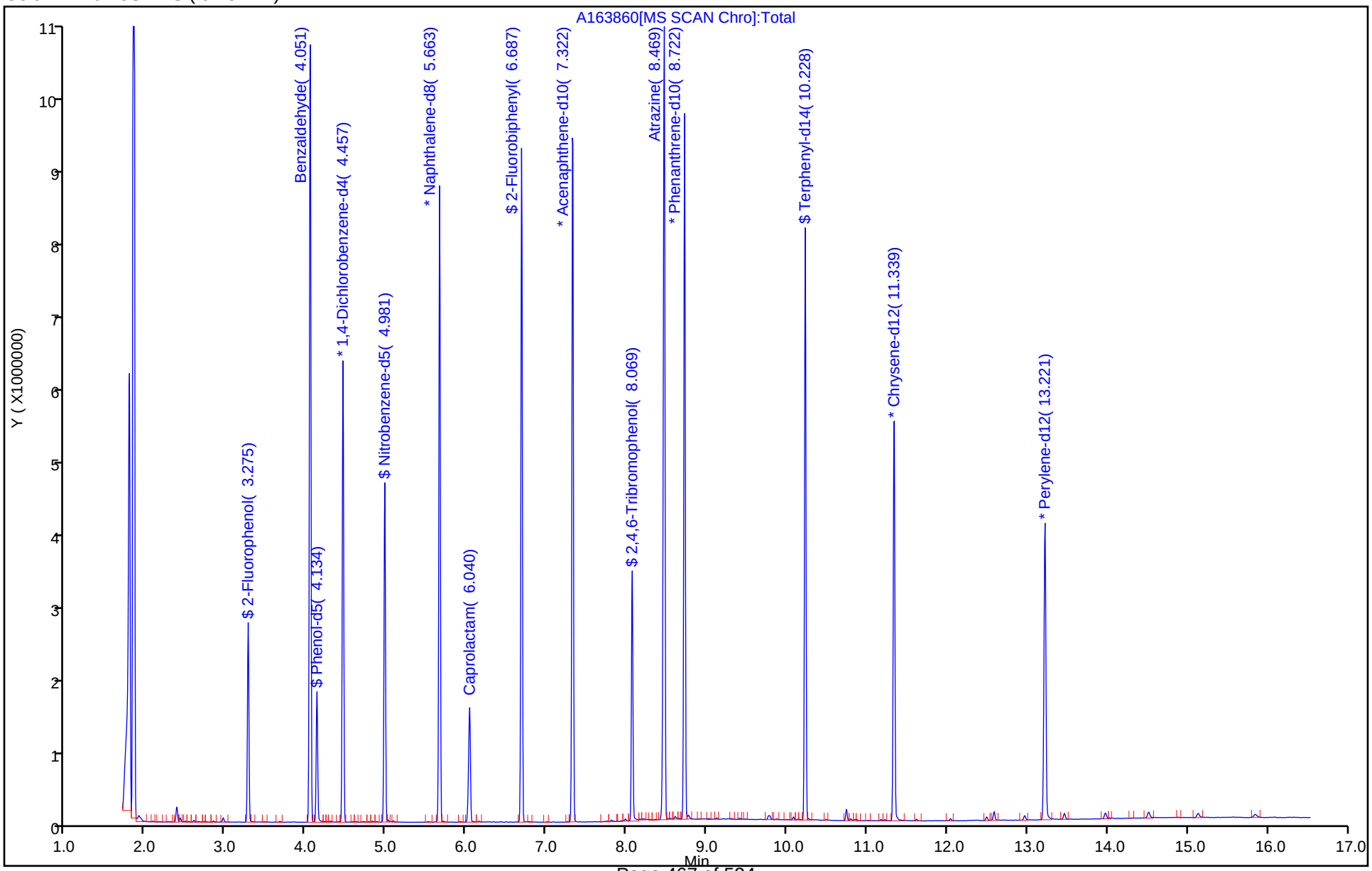
Lims ID: LCS 460-639442/4-A Worklist Smp#: 8

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639442/3-A

Matrix: Water Lab File ID: A163859.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:57

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	59.1		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	60.0		10	0.63
95-95-4	2,4,5-Trichlorophenol	62.6		10	0.28
88-06-2	2,4,6-Trichlorophenol	65.7		10	0.30
120-83-2	2,4-Dichlorophenol	67.0		10	0.42
105-67-9	2,4-Dimethylphenol	62.0		10	0.24
51-28-5	2,4-Dinitrophenol	175		20	14
121-14-2	2,4-Dinitrotoluene	72.5		2.0	1.0
606-20-2	2,6-Dinitrotoluene	70.4		2.0	0.39
91-58-7	2-Chloronaphthalene	58.4		10	1.2
95-57-8	2-Chlorophenol	58.5		10	0.38
91-57-6	2-Methylnaphthalene	60.0		10	1.1
95-48-7	2-Methylphenol	51.7		10	0.26
88-74-4	2-Nitroaniline	69.2		10	0.47
88-75-5	2-Nitrophenol	75.2		10	0.75
91-94-1	3,3'-Dichlorobenzidine	71.3		10	1.4
99-09-2	3-Nitroaniline	65.6		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	165		20	13
101-55-3	4-Bromophenyl phenyl ether	66.3		10	0.75
59-50-7	4-Chloro-3-methylphenol	66.5		10	0.58
106-47-8	4-Chloroaniline	65.1		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	68.5		10	1.3
106-44-5	4-Methylphenol	48.7		10	0.24
100-01-6	4-Nitroaniline	73.1		10	0.54
100-02-7	4-Nitrophenol	63.7		20	0.69
83-32-9	Acenaphthene	61.0		10	1.1
208-96-8	Acenaphthylene	62.7		10	0.82
98-86-2	Acetophenone	71.1		10	0.79
120-12-7	Anthracene	67.6		10	0.63
56-55-3	Benzo[a]anthracene	67.0		1.0	0.59
50-32-8	Benzo[a]pyrene	61.3		1.0	0.41
205-99-2	Benzo[b]fluoranthene	61.9		2.0	1.1
191-24-2	Benzo[g,h,i]perylene	69.9		10	1.4
207-08-9	Benzo[k]fluoranthene	66.0		1.0	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639442/3-A

Matrix: Water Lab File ID: A163859.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:57

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	67.5		10	0.24
111-44-4	Bis(2-chloroethyl)ether	66.8		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	74.2		2.0	1.7
85-68-7	Butyl benzyl phthalate	73.1		10	0.85
86-74-8	Carbazole	66.7		10	0.68
218-01-9	Chrysene	68.9		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	73.8		1.0	0.72
132-64-9	Dibenzofuran	65.9		10	1.1
84-66-2	Diethyl phthalate	69.2		10	0.98
131-11-3	Dimethyl phthalate	68.8		10	0.77
84-74-2	Di-n-butyl phthalate	69.2		10	0.84
117-84-0	Di-n-octyl phthalate	64.7		10	4.8
206-44-0	Fluoranthene	66.2		10	0.84
86-73-7	Fluorene	67.5		10	0.91
118-74-1	Hexachlorobenzene	68.7		1.0	0.40
87-68-3	Hexachlorobutadiene	47.9		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	40.7		10	1.7
67-72-1	Hexachloroethane	42.8		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	70.9		2.0	1.3
78-59-1	Isophorone	69.8		10	0.80
91-20-3	Naphthalene	54.0		10	1.1
98-95-3	Nitrobenzene	70.9		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	70.5		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	67.1		10	0.89
87-86-5	Pentachlorophenol	134		20	1.4
85-01-8	Phenanthrene	66.7		10	0.58
108-95-2	Phenol	29.2		10	0.29
129-00-0	Pyrene	70.6		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639442/3-A

Matrix: Water Lab File ID: A163859.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 19:57

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	105		26-139
321-60-8	2-Fluorobiphenyl	81		45-107
367-12-4	2-Fluorophenol (Surr)	47		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	91		51-108
4165-62-2	Phenol-d5 (Surr)	32		14-39
1718-51-0	Terphenyl-d14 (Surr)	92		40-148

Report Date: 16-Sep-2019 08:51:28 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163859.D
Lims ID: LCSD 460-639442/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 15-Sep-2019 19:57:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-007
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: eisam Date: 15-Sep-2019 20:24:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.987	2.034	-0.047	94	326143	10.0	4.50	
2 N-Nitrosodimethylamine	74	2.181	2.222	-0.041	90	538148	10.0	4.91	
3 Pyridine	79	2.216	2.257	-0.041	94	1537869	20.0	9.77	
$ 4 2-Fluorophenol	112	3.269	3.281	-0.012	96	867059	10.0	4.67	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	683769	10.0	3.17	
8 Aniline	93	4.152	4.157	-0.005	99	1869859	10.0	6.81	
7 Phenol	94	4.146	4.157	-0.011	94	829688	10.0	3.65	
9 Bis(2-chloroethyl)ether	93	4.199	4.204	-0.005	98	1442967	10.0	8.34	
10 Benzonitrile	103	4.222	4.228	-0.006	98	2722887	NC	NC	
11 2-Chlorophenol	128	4.275	4.281	-0.006	98	1410889	10.0	7.31	
12 n-Decane	43	4.305	4.310	-0.005	89	839719	10.0	4.84	
13 1,3-Dichlorobenzene	146	4.405	4.410	-0.005	96	1100914	10.0	5.44	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.463	-0.006	95	1041043	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.475	4.481	-0.006	95	1132568	10.0	5.54	
16 Benzyl alcohol	108	4.593	4.604	-0.011	94	665336	10.0	5.90	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1098660	10.0	5.67	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.716	-0.006	93	1587262	10.0	7.50	
18 2-Methylphenol	108	4.716	4.722	-0.006	89	1048991	10.0	6.47	
20 N-Methylaniline	106	4.834	4.834	0.000	97	1946293	10.0	7.79	
22 N-Nitrosodi-n-propylamine	70	4.840	4.845	-0.005	71	1001826	10.0	8.82	
21 Acetophenone	105	4.840	4.845	-0.005	92	2104103	10.0	8.88	
23 3 & 4 Methylphenol	108	4.863	4.869	-0.006	97	1076078	10.0	6.22	
24 4-Methylphenol	108	4.863	4.869	-0.006	94	1048500	10.0	6.09	
25 Hexachloroethane	117	4.940	4.945	-0.005	95	373252	10.0	5.35	
$ 27 Nitrobenzene-d5	82	4.981	4.987	-0.006	86	1655161	10.0	9.13	
28 Nitrobenzene	123	5.004	5.004	0.000	97	757460	10.0	8.86	
29 n,n'-Dimethylaniline	120	5.004	5.010	-0.006	85	2033437	10.0	7.43	
30 Isophorone	82	5.228	5.228	0.000	99	2792189	10.0	8.73	
32 2-Nitrophenol	139	5.304	5.304	0.000	96	829608	10.0	9.41	
33 2,4-Dimethylphenol	122	5.363	5.369	-0.006	92	1219561	10.0	7.75	
34 Bis(2-chloroethoxy)methane	93	5.434	5.434	0.000	98	1699778	10.0	8.44	
35 Benzoic acid	122	5.452	5.487	-0.034	87	356450	10.0	5.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.546	5.551	-0.005	97	1169289	10.0	8.37	
37 1,2,4-Trichlorobenzene	180	5.610	5.616	-0.006	95	949456	10.0	6.20	
* 38 Naphthalene-d8	136	5.669	5.669	0.000	99	4201596	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.001	99	3656135	10.0	6.75	
40 4-Chloroaniline	127	5.740	5.745	-0.005	98	1792702	10.0	8.14	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	94	446748	10.0	5.99	
43 4-Chloro-3-methylphenol	107	6.222	6.222	0.000	97	1129998	10.0	8.31	
44 2-Methylnaphthalene	142	6.340	6.345	-0.005	86	2592313	10.0	7.50	
45 1-Methylnaphthalene	142	6.434	6.439	-0.005	93	2431202	10.0	7.66	
46 Hexachlorocyclopentadiene	237	6.499	6.498	0.000	97	433164	10.0	5.09	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1069101	10.0	7.14	
48 2-tertbutyl-4-methylphenol	149	6.546	6.545	0.001	95	1890248	10.0	8.90	
49 2,4,6-Trichlorophenol	196	6.616	6.622	-0.006	90	835861	10.0	8.21	
50 2,4,5-Trichlorophenol	196	6.657	6.663	-0.006	98	873126	10.0	7.83	
$ 51 2-Fluorobiphenyl	172	6.693	6.692	0.001	98	3288125	10.0	8.13	
52 1,1'-Biphenyl	154	6.787	6.786	0.001	96	3317653	10.0	7.38	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	99	2515826	10.0	7.30	
54 Phenyl ether	170	6.881	6.886	-0.005	84	1676552	10.0	7.51	
55 2-Nitroaniline	65	6.904	6.904	0.000	95	889719	10.0	8.65	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	92	2001079	10.0	7.34	
59 Dimethyl phthalate	163	7.075	7.081	-0.006	99	3079813	10.0	8.61	
60 Coumarin	146	7.093	7.098	-0.005	80	991663	10.0	9.26	
61 2,6-Dinitrotoluene	165	7.128	7.133	-0.005	94	712628	10.0	8.80	
62 Acenaphthylene	152	7.193	7.192	0.001	98	4065433	10.0	7.84	
63 3-Nitroaniline	138	7.293	7.298	-0.005	98	748752	10.0	8.20	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	95	2109908	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	2035525	10.0	8.18	
66 Acenaphthene	154	7.357	7.363	-0.006	94	2544232	10.0	7.63	
67 2,4-Dinitrophenol	184	7.387	7.386	0.001	96	845201	20.0	21.8	
68 4-Nitrophenol	65	7.481	7.486	-0.005	90	443441	20.0	7.96	
69 2,4-Dinitrotoluene	165	7.504	7.510	-0.006	96	932508	10.0	9.07	
70 Dibenzofuran	168	7.522	7.522	0.000	97	3652683	10.0	8.24	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	93	627363	10.0	8.60	
73 Diethyl phthalate	149	7.740	7.745	-0.005	98	3077208	10.0	8.65	
74 4-Chlorophenyl phenyl ethe	204	7.840	7.845	-0.005	92	1253653	10.0	8.57	
75 Fluorene	166	7.845	7.845	0.000	95	2845015	10.0	8.43	
76 4-Nitroaniline	138	7.875	7.880	-0.005	90	795319	10.0	9.13	
77 4,6-Dinitro-2-methylphenol	198	7.898	7.898	0.000	88	1068298	20.0	20.7	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	85	2218142	10.0	8.38	
79 1,2-Diphenylhydrazine	77	7.993	7.992	0.001	98	2868297	10.0	7.95	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	398353	10.0	10.5	
81 4-Bromophenyl phenyl ether	248	8.304	8.304	0.000	90	737795	10.0	8.29	
82 Hexachlorobenzene	284	8.369	8.369	0.000	99	795299	10.0	8.58	
84 Pentachlorophenol	266	8.557	8.557	0.000	92	854983	20.0	16.8	
85 Pentachloronitrobenzene	237	8.563	8.569	-0.006	87	304633	10.0	8.70	
86 n-Octadecane	57	8.628	8.627	0.001	90	1670919	10.0	8.13	
* 87 Phenanthrene-d10	188	8.722	8.727	-0.005	98	3406642	8.00	8.00	
88 Phenanthrene	178	8.745	8.751	-0.006	97	4165608	10.0	8.34	
89 Anthracene	178	8.792	8.798	-0.006	99	4263648	10.0	8.45	
90 Carbazole	167	8.951	8.951	0.000	96	3746420	10.0	8.34	
91 Di-n-butyl phthalate	149	9.275	9.280	-0.005	99	4615963	10.0	8.66	
92 Fluoranthene	202	9.863	9.869	-0.006	98	3805002	10.0	8.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.992	9.992	0.000	99	1743765	10.0	6.46	
94 Pyrene	202	10.075	10.080	-0.005	98	3704910	10.0	8.82	
95 Bisphenol-A	213	10.234	10.227	0.007	64	104806	5.00	0.8056	a
$ 96 Terphenyl-d14	244	10.228	10.227	0.001	100	2540222	10.0	9.20	
97 Butyl benzyl phthalate	149	10.728	10.727	0.001	95	1582428	10.0	9.14	
99 Carbamazepine	193	10.839	10.845	-0.006	94	1261834	10.0	9.36	
100 3,3'-Dichlorobenzidine	252	11.310	11.310	0.000	99	1001861	10.0	8.92	
101 Benzo[a]anthracene	228	11.328	11.327	0.001	98	2710789	10.0	8.37	
* 102 Chrysene-d12	240	11.339	11.345	-0.006	99	1916476	8.00	8.00	
104 Chrysene	228	11.369	11.374	-0.005	99	2605774	10.0	8.61	
103 Bis(2-ethylhexyl) phthalat	149	11.381	11.380	0.001	87	1994460	10.0	9.28	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3225813	10.0	8.09	
106 Benzo[b]fluoranthene	252	12.692	12.698	-0.006	99	2406885	10.0	7.74	
107 Benzo[k]fluoranthene	252	12.733	12.733	0.000	99	2686681	10.0	8.26	
108 Benzo[a]pyrene	252	13.139	13.145	-0.006	97	2215551	10.0	7.67	
* 109 Perylene-d12	264	13.222	13.221	0.001	98	2038646	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.774	14.780	-0.006	99	2779588	10.0	8.86	
111 Dibenz(a,h)anthracene	278	14.816	14.815	0.001	96	2817168	10.0	9.23	
112 Benzo[g,h,i]perylene	276	15.210	15.209	0.001	98	3019056	10.0	8.73	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-Sep-2019 08:51:28 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163859.D

Injection Date: 15-Sep-2019 19:57:30 Instrument ID: CBNAMS16 Operator ID:

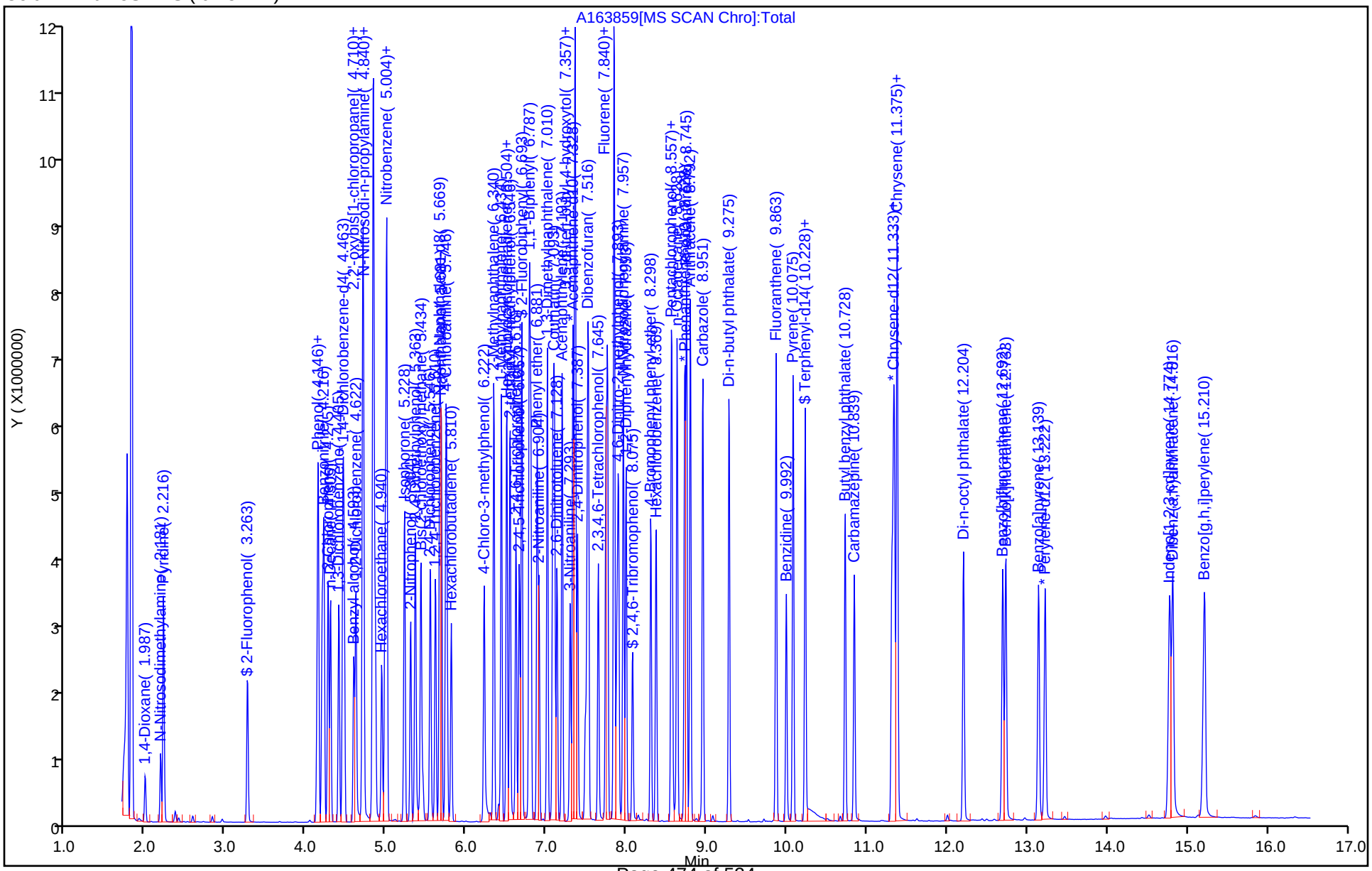
Lims ID: LCSD 460-639442/3-A Worklist Smp#: 7

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639442/5-A

Matrix: Water Lab File ID: A163861.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 20:39

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	164		2.0	1.3
100-52-7	Benzaldehyde	133		10	0.59
105-60-2	Caprolactam	50.1		10	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	107		26-139
321-60-8	2-Fluorobiphenyl	81		45-107
367-12-4	2-Fluorophenol (Surr)	49		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	92		51-108
4165-62-2	Phenol-d5 (Surr)	34		14-39
1718-51-0	Terphenyl-d14 (Surr)	95		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163861.D
Lims ID: LCSD 460-639442/5-A
Client ID:
Sample Type: LCSD
Inject. Date: 15-Sep-2019 20:39:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-009
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: eisam Date: 15-Sep-2019 21:19:33

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	3.275	3.281	-0.006	97	1096739	10.0	4.91	
5 Benzaldehyde	77	4.046	4.046	0.000	95	2968173	20.0	16.6	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	885713	10.0	3.41	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.463	-0.006	95	1252096	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.987	-0.006	86	2062294	10.0	9.23	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	5178728	8.00	8.00	
42 Caprolactam	113	6.040	6.046	-0.006	95	295429	20.0	6.26	
$ 51 2-Fluorobiphenyl	172	6.687	6.692	-0.005	98	4067491	10.0	8.05	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	2635999	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	507456	10.0	10.7	
83 Atrazine	200	8.469	8.463	0.006	94	2032917	20.0	20.5	
* 87 Phenanthrene-d10	188	8.722	8.727	-0.005	98	4420346	8.00	8.00	
$ 96 Terphenyl-d14	244	10.228	10.227	0.001	100	3460246	10.0	9.53	
* 102 Chrysene-d12	240	11.333	11.345	-0.012	99	2520116	8.00	8.00	
* 109 Perylene-d12	264	13.221	13.221	0.000	99	2335008	8.00	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 16-Sep-2019 08:51:34 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163861.D

Injection Date: 15-Sep-2019 20:39:30 Instrument ID: CBNAMS16 Operator ID:

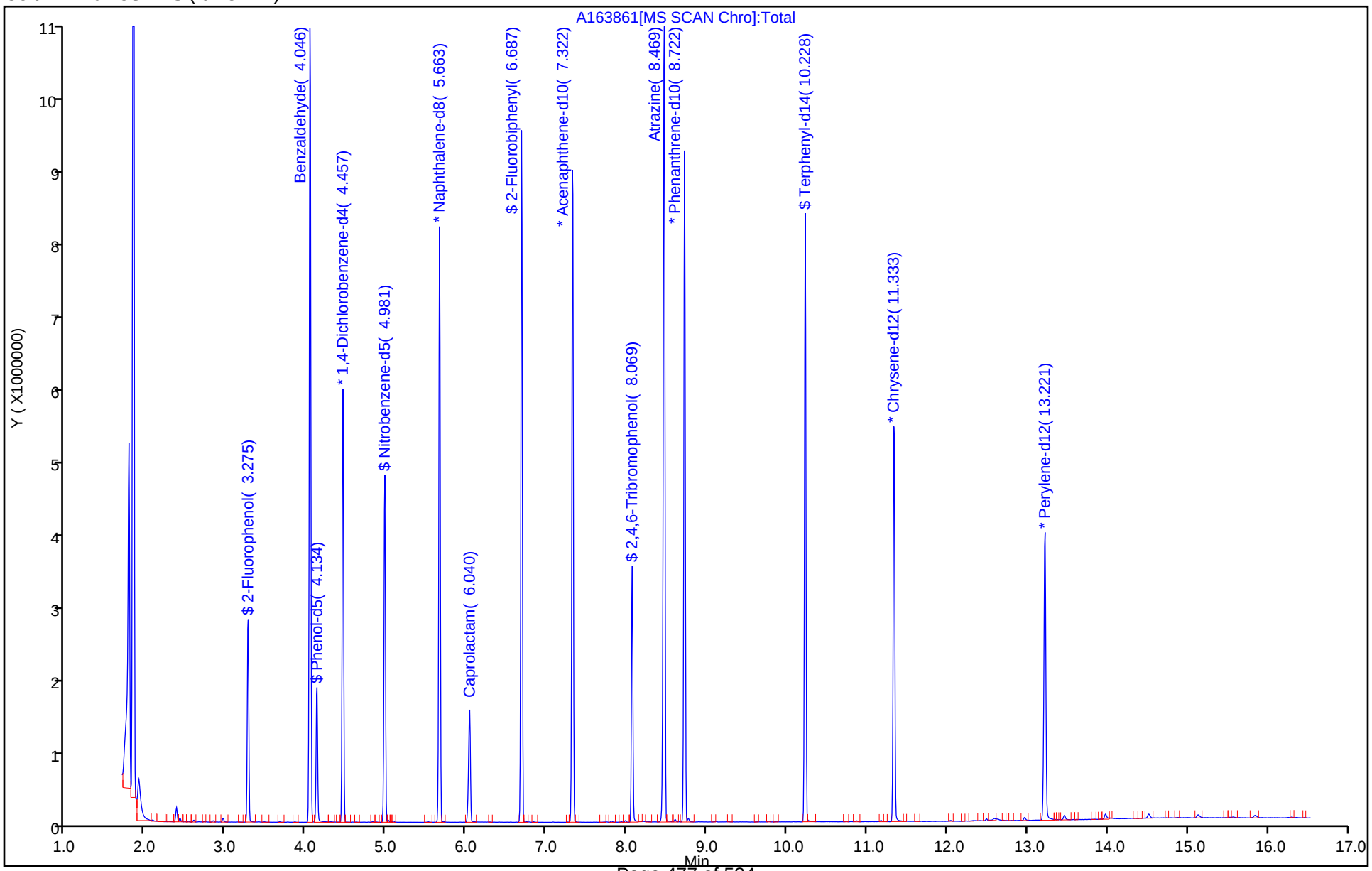
Lims ID: LCSD 460-639442/5-A Worklist Smp#: 9

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191309-E-2-A MS

Matrix: Water Lab File ID: A163870.D

Analysis Method: 8270D Date Collected: 09/12/2019 07:15

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 23:48

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	53.1		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	53.8		10	0.63
95-95-4	2,4,5-Trichlorophenol	57.1		10	0.28
88-06-2	2,4,6-Trichlorophenol	57.2		10	0.30
120-83-2	2,4-Dichlorophenol	59.4		10	0.42
105-67-9	2,4-Dimethylphenol	55.5		10	0.24
51-28-5	2,4-Dinitrophenol	157		20	14
121-14-2	2,4-Dinitrotoluene	64.7		2.0	1.0
606-20-2	2,6-Dinitrotoluene	63.4		2.0	0.39
91-58-7	2-Chloronaphthalene	52.7		10	1.2
95-57-8	2-Chlorophenol	51.5		10	0.38
91-57-6	2-Methylnaphthalene	54.6		10	1.1
95-48-7	2-Methylphenol	45.7		10	0.26
88-74-4	2-Nitroaniline	61.1		10	0.47
88-75-5	2-Nitrophenol	67.2		10	0.75
91-94-1	3,3'-Dichlorobenzidine	39.0		10	1.4
99-09-2	3-Nitroaniline	50.0		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	149		20	13
101-55-3	4-Bromophenyl phenyl ether	61.5		10	0.75
59-50-7	4-Chloro-3-methylphenol	58.7		10	0.58
106-47-8	4-Chloroaniline	46.2		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	61.2		10	1.3
106-44-5	4-Methylphenol	42.2		10	0.24
100-01-6	4-Nitroaniline	56.3		10	0.54
100-02-7	4-Nitrophenol	51.2		20	0.69
83-32-9	Acenaphthene	67.3		10	1.1
208-96-8	Acenaphthylene	57.3		10	0.82
98-86-2	Acetophenone	62.8		10	0.79
120-12-7	Anthracene	61.4		10	0.63
1912-24-9	Atrazine	146		2.0	1.3
100-52-7	Benzaldehyde	119		10	0.59
56-55-3	Benzo[a]anthracene	61.9		1.0	0.59
50-32-8	Benzo[a]pyrene	55.4		1.0	0.41
205-99-2	Benzo[b]fluoranthene	54.6		2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191309-E-2-A MS

Matrix: Water Lab File ID: A163870.D

Analysis Method: 8270D Date Collected: 09/12/2019 07:15

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 23:48

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	59.2		10	1.4
207-08-9	Benzo[k]fluoranthene	57.8		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	60.3		10	0.24
111-44-4	Bis(2-chloroethyl)ether	59.9		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	72.2		2.0	1.7
85-68-7	Butyl benzyl phthalate	68.6		10	0.85
105-60-2	Caprolactam	44.6		10	0.68
86-74-8	Carbazole	59.3		10	0.68
218-01-9	Chrysene	62.6		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	66.1		1.0	0.72
132-64-9	Dibenzofuran	59.9		10	1.1
84-66-2	Diethyl phthalate	61.9		10	0.98
131-11-3	Dimethyl phthalate	61.6		10	0.77
84-74-2	Di-n-butyl phthalate	63.1		10	0.84
117-84-0	Di-n-octyl phthalate	58.7		10	4.8
206-44-0	Fluoranthene	58.5		10	0.84
86-73-7	Fluorene	62.3		10	0.91
118-74-1	Hexachlorobenzene	63.3		1.0	0.40
87-68-3	Hexachlorobutadiene	44.5		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	35.6		10	1.7
67-72-1	Hexachloroethane	40.6		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	67.7		2.0	1.3
78-59-1	Isophorone	62.3		10	0.80
91-20-3	Naphthalene	51.5		10	1.1
98-95-3	Nitrobenzene	63.4		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	63.4		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	60.2		10	0.89
87-86-5	Pentachlorophenol	125		20	1.4
85-01-8	Phenanthrene	59.8		10	0.58
108-95-2	Phenol	22.9		10	0.29
129-00-0	Pyrene	65.7		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191309-E-2-A MS

Matrix: Water Lab File ID: A163870.D

Analysis Method: 8270D Date Collected: 09/12/2019 07:15

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/15/2019 23:48

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		26-139
321-60-8	2-Fluorobiphenyl	68		45-107
367-12-4	2-Fluorophenol (Surr)	36		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	74		51-108
4165-62-2	Phenol-d5 (Surr)	24		14-39
1718-51-0	Terphenyl-d14 (Surr)	75		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163870.D
Lims ID: 460-191309-E-2-A MS
Client ID: HHMW-19SI
Sample Type: MS
Inject. Date: 15-Sep-2019 23:48:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-018
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: croccom Date: 16-Sep-2019 08:24:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.010	2.034	-0.024	94	309250	10.0	3.85	
2 N-Nitrosodimethylamine	74	2.204	2.222	-0.018	91	499785	10.0	4.12	
3 Pyridine	79	2.240	2.257	-0.017	95	1117901	20.0	6.41	
$ 4 2-Fluorophenol	112	3.275	3.281	-0.006	97	736971	10.0	3.58	
5 Benzaldehyde	77	4.045	4.046	-0.001	95	2453713	20.0	14.9	
$ 6 Phenol-d5	99	4.140	4.145	-0.005	0	571798	10.0	2.39	
8 Aniline	93	4.151	4.157	-0.006	97	1342615	10.0	4.41	
7 Phenol	94	4.151	4.157	-0.006	94	721467	10.0	2.86	
9 Bis(2-chloroethyl)ether	93	4.198	4.204	-0.006	98	1434371	10.0	7.49	
10 Benzonitrile	103	4.222	4.228	-0.006	98	2680368	NC	NC	
11 2-Chlorophenol	128	4.275	4.281	-0.006	98	1376519	10.0	6.44	
12 n-Decane	43	4.304	4.310	-0.006	89	850960	10.0	4.42	
13 1,3-Dichlorobenzene	146	4.410	4.410	0.000	96	1184619	10.0	5.28	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.463	-0.006	95	1153081	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.475	4.481	-0.006	95	1225792	10.0	5.42	
16 Benzyl alcohol	108	4.598	4.604	-0.006	94	529672	10.0	4.24	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	97	1171485	10.0	5.45	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.716	-0.006	93	1577430	10.0	6.73	
18 2-Methylphenol	108	4.716	4.722	-0.006	88	1027041	10.0	5.72	
26 2-Toluidine	107	4.716	4.775	-0.059	50	917947		NC	
20 N-Methylaniline	106	4.834	4.834	0.000	97	1700430	10.0	6.14	
22 N-Nitrosodi-n-propylamine	70	4.840	4.845	-0.005	85	997463	10.0	7.92	
21 Acetophenone	105	4.840	4.845	-0.005	90	2059177	10.0	7.85	
23 3 & 4 Methylphenol	108	4.863	4.869	-0.006	95	1046840	10.0	5.47	
24 4-Methylphenol	108	4.863	4.869	-0.006	97	1005536	10.0	5.27	
25 Hexachloroethane	117	4.940	4.945	-0.005	95	392107	10.0	5.07	
$ 27 Nitrobenzene-d5	82	4.981	4.987	-0.006	86	1469412	10.0	7.41	
28 Nitrobenzene	123	5.004	5.004	0.000	96	750489	10.0	7.93	
29 n,n'-Dimethylaniline	120	5.004	5.010	-0.006	84	1878439	10.0	6.20	
30 Isophorone	82	5.228	5.228	0.000	99	2727039	10.0	7.79	
32 2-Nitrophenol	139	5.304	5.304	0.000	95	810780	10.0	8.40	
33 2,4-Dimethylphenol	122	5.363	5.369	-0.006	92	1194650	10.0	6.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.434	5.434	0.000	98	1662299	10.0	7.54	
35 Benzoic acid	122	5.451	5.487	-0.035	86	312735	10.0	4.58	Ma
36 2,4-Dichlorophenol	162	5.545	5.551	-0.006	96	1135020	10.0	7.43	
37 1,2,4-Trichlorobenzene	180	5.610	5.616	-0.006	94	987452	10.0	5.89	
* 38 Naphthalene-d8	136	5.669	5.669	0.000	98	4596648	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.001	99	3816855	10.0	6.44	
40 4-Chloroaniline	127	5.739	5.745	-0.006	98	1391073	10.0	5.78	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	95	453945	10.0	5.56	
42 Caprolactam	113	6.069	6.046	0.023	94	233482	20.0	5.58	
43 4-Chloro-3-methylphenol	107	6.228	6.222	0.006	96	1091617	10.0	7.33	
44 2-Methylnaphthalene	142	6.339	6.345	-0.006	86	2578609	10.0	6.82	
45 1-Methylnaphthalene	142	6.434	6.439	-0.005	93	2573218	10.0	7.41	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	97	412622	10.0	4.45	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1040216	10.0	6.38	
48 2-tertbutyl-4-methylphenol	149	6.545	6.545	0.000	92	1890611	10.0	8.14	
49 2,4,6-Trichlorophenol	196	6.616	6.622	-0.006	90	791937	10.0	7.15	
50 2,4,5-Trichlorophenol	196	6.663	6.663	0.000	96	867421	10.0	7.14	
$ 51 2-Fluorobiphenyl	172	6.692	6.692	0.000	98	2984114	10.0	6.78	
52 1,1'-Biphenyl	154	6.781	6.786	-0.005	96	3250195	10.0	6.64	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	98	2468239	10.0	6.58	
54 Phenyl ether	170	6.881	6.886	-0.005	84	1635912	10.0	6.73	
55 2-Nitroaniline	65	6.904	6.904	0.000	96	854464	10.0	7.63	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	2059864	10.0	6.94	
59 Dimethyl phthalate	163	7.075	7.081	-0.006	99	2998659	10.0	7.70	
60 Coumarin	146	7.092	7.098	-0.006	81	956900	10.0	8.17	
61 2,6-Dinitrotoluene	165	7.128	7.133	-0.005	94	698453	10.0	7.93	
62 Acenaphthylene	152	7.192	7.192	0.000	98	4042669	10.0	7.16	
63 3-Nitroaniline	138	7.292	7.298	-0.006	98	621477	10.0	6.25	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	97	2297059	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	1957081	10.0	7.22	
66 Acenaphthene	154	7.357	7.363	-0.006	95	3052771	10.0	8.41	
67 2,4-Dinitrophenol	184	7.386	7.386	0.000	95	812958	20.0	19.7	a
68 4-Nitrophenol	65	7.486	7.486	0.000	91	388264	20.0	6.40	
69 2,4-Dinitrotoluene	165	7.504	7.510	-0.006	97	904875	10.0	8.09	
70 Dibenzofuran	168	7.522	7.522	0.000	98	3610973	10.0	7.49	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	92	632664	10.0	7.97	
73 Diethyl phthalate	149	7.739	7.745	-0.006	98	2997312	10.0	7.74	
74 4-Chlorophenyl phenyl ethe	204	7.839	7.845	-0.006	89	1219175	10.0	7.65	
75 Fluorene	166	7.839	7.845	-0.006	95	2857997	10.0	7.78	
76 4-Nitroaniline	138	7.875	7.880	-0.005	93	667084	10.0	7.04	
77 4,6-Dinitro-2-methylphenol	198	7.898	7.898	0.000	88	1014353	20.0	18.6	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	81	2108806	10.0	7.52	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	2758079	10.0	7.22	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	362190	10.0	8.80	
58 1-Naphthylamine	143	8.139	8.116	0.023	51	1475		NC	
81 4-Bromophenyl phenyl ether	248	8.298	8.304	-0.006	89	724241	10.0	7.68	
82 Hexachlorobenzene	284	8.369	8.369	0.000	98	776219	10.0	7.91	
71 2-Naphthylamine	143	8.422	8.410	0.012	47	129		NC	
83 Atrazine	200	8.469	8.463	0.006	94	1475009	20.0	18.3	
84 Pentachlorophenol	266	8.557	8.557	0.000	92	847366	20.0	15.7	
85 Pentachloronitrobenzene	237	8.563	8.569	-0.006	87	294891	10.0	7.95	
86 n-Octadecane	57	8.628	8.627	0.001	90	1646807	10.0	7.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.722	8.727	-0.005	98	3608157	8.00	8.00	
88 Phenanthrene	178	8.745	8.751	-0.006	97	3956327	10.0	7.48	
89 Anthracene	178	8.792	8.798	-0.006	99	4100384	10.0	7.67	
90 Carbazole	167	8.951	8.951	0.000	96	3523102	10.0	7.41	
91 Di-n-butyl phthalate	149	9.275	9.280	-0.005	99	4454143	10.0	7.89	
92 Fluoranthene	202	9.863	9.869	-0.006	98	3558542	10.0	7.31	
93 Benzidine	184	10.022	9.992	0.030	54	29423	10.0	0.1029	a
94 Pyrene	202	10.074	10.080	-0.006	98	3451996	10.0	8.21	
95 Bisphenol-A	213	10.204	10.227	-0.023	98	581638	5.00	4.46	
$ 96 Terphenyl-d14	244	10.227	10.227	0.000	100	2086683	10.0	7.55	
97 Butyl benzyl phthalate	149	10.727	10.727	0.000	96	1487429	10.0	8.58	
99 Carbamazepine	193	10.839	10.845	-0.006	93	1010524	10.0	7.57	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	99	548745	10.0	4.88	
101 Benzo[a]anthracene	228	11.327	11.327	0.000	99	2510629	10.0	7.74	
* 102 Chrysene-d12	240	11.339	11.345	-0.006	99	1919211	8.00	8.00	
104 Chrysene	228	11.369	11.374	-0.005	98	2369903	10.0	7.82	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.380	0.000	87	1943281	10.0	9.03	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3140905	10.0	7.33	
106 Benzo[b]fluoranthene	252	12.692	12.698	-0.006	99	2279739	10.0	6.82	
107 Benzo[k]fluoranthene	252	12.727	12.733	-0.006	99	2527983	10.0	7.23	
108 Benzo[a]pyrene	252	13.139	13.145	-0.006	97	2148689	10.0	6.92	
* 109 Perylene-d12	264	13.221	13.221	0.000	98	2190756	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.774	14.780	-0.006	99	2823363	10.0	8.46	
111 Dibenz(a,h)anthracene	278	14.815	14.815	0.000	96	2711267	10.0	8.26	
112 Benzo[g,h,i]perylene	276	15.209	15.209	0.000	98	2751156	10.0	7.40	
S 119 Total Cresols	1				0			11.2	

QC Flag Legend

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

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

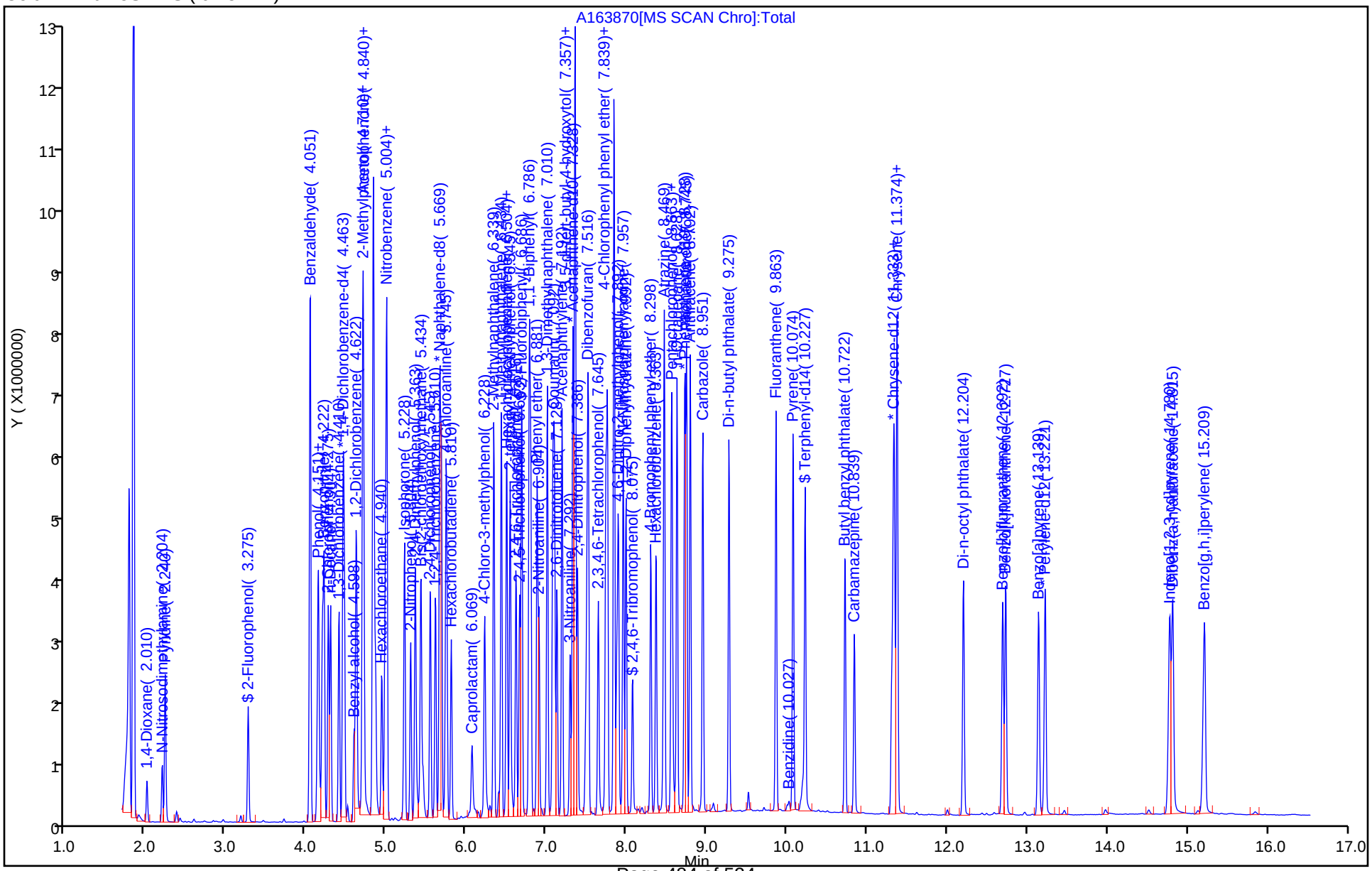
Report Date: 16-Sep-2019 08:51:47 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163870.D

Injection Date:	15-Sep-2019 23:48:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191309-E-2-A MS			Worklist Smp#:	18
Client ID:	HHMW-19SI				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

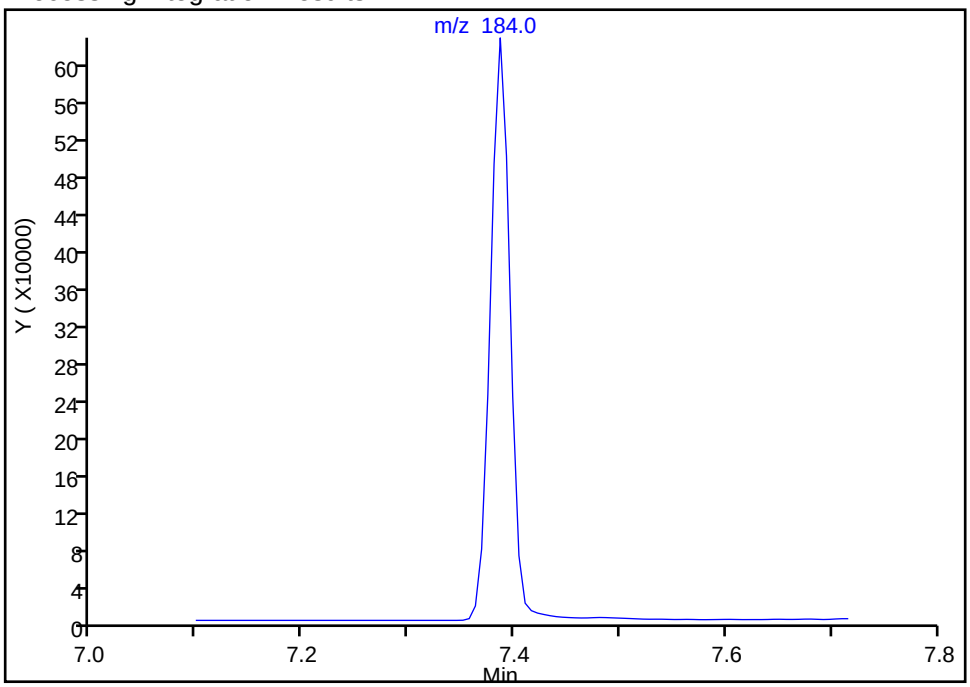
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163870.D				
Injection Date:	15-Sep-2019 23:48:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191309-E-2-A MS				
Client ID:	HHMW-19SI				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

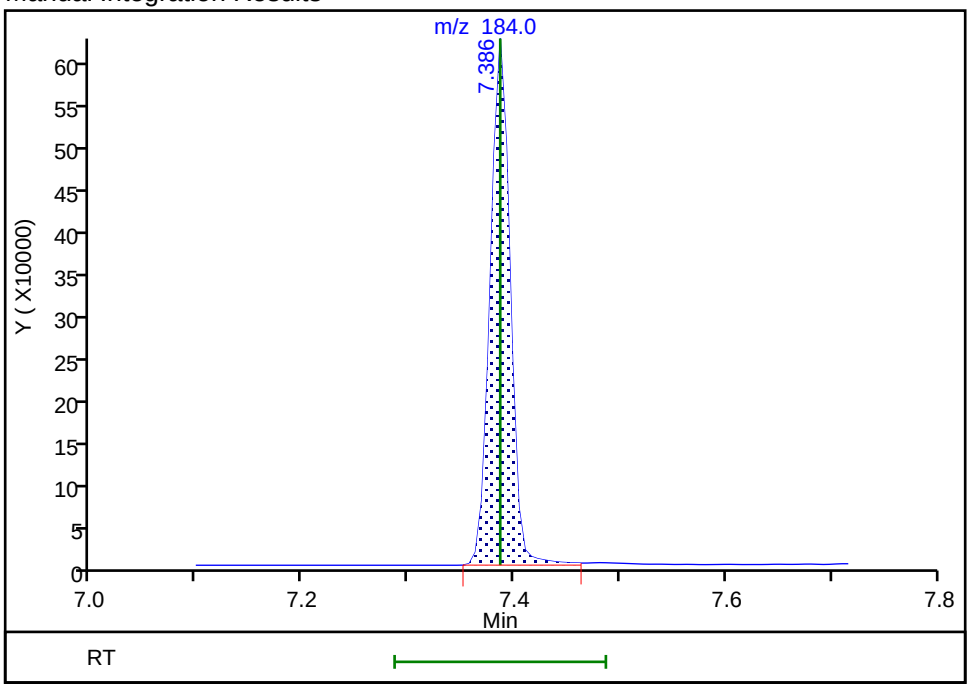
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 812958
Amount: 19.654105
Amount Units: ug/ml



Reviewer: croccom, 16-Sep-2019 08:24:10
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191309-D-2-A MSD

Matrix: Water Lab File ID: A163871.D

Analysis Method: 8270D Date Collected: 09/12/2019 07:15

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 00:09

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	61.6		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	64.3		10	0.63
95-95-4	2,4,5-Trichlorophenol	66.6		10	0.28
88-06-2	2,4,6-Trichlorophenol	67.8		10	0.30
120-83-2	2,4-Dichlorophenol	70.0		10	0.42
105-67-9	2,4-Dimethylphenol	65.3		10	0.24
51-28-5	2,4-Dinitrophenol	180		20	14
121-14-2	2,4-Dinitrotoluene	76.0		2.0	1.0
606-20-2	2,6-Dinitrotoluene	73.6		2.0	0.39
91-58-7	2-Chloronaphthalene	60.4		10	1.2
95-57-8	2-Chlorophenol	60.3		10	0.38
91-57-6	2-Methylnaphthalene	63.4		10	1.1
95-48-7	2-Methylphenol	54.7		10	0.26
88-74-4	2-Nitroaniline	68.4		10	0.47
88-75-5	2-Nitrophenol	79.7		10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	13.7		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	172		20	13
101-55-3	4-Bromophenyl phenyl ether	71.5		10	0.75
59-50-7	4-Chloro-3-methylphenol	69.0		10	0.58
106-47-8	4-Chloroaniline	11.4		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	72.6		10	1.3
106-44-5	4-Methylphenol	50.9		10	0.24
100-01-6	4-Nitroaniline	40.9		10	0.54
100-02-7	4-Nitrophenol	59.3		20	0.69
83-32-9	Acenaphthene	72.6		10	1.1
208-96-8	Acenaphthylene	66.7		10	0.82
98-86-2	Acetophenone	75.5		10	0.79
120-12-7	Anthracene	70.0		10	0.63
1912-24-9	Atrazine	66.9		2.0	1.3
100-52-7	Benzaldehyde	126		10	0.59
56-55-3	Benzo[a]anthracene	72.0		1.0	0.59
50-32-8	Benzo[a]pyrene	68.1		1.0	0.41
205-99-2	Benzo[b]fluoranthene	69.3		2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-191309-D-2-A MSD

Matrix: Water Lab File ID: A163871.D

Analysis Method: 8270D Date Collected: 09/12/2019 07:15

Extract. Method: 3510C Date Extracted: 09/15/2019 07:46

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 00:09

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	73.5		10	1.4
207-08-9	Benzo[k]fluoranthene	65.0		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	70.2		10	0.24
111-44-4	Bis(2-chloroethyl)ether	72.2		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	84.9		2.0	1.7
85-68-7	Butyl benzyl phthalate	78.5		10	0.85
105-60-2	Caprolactam	34.5		10	0.68
86-74-8	Carbazole	64.2		10	0.68
218-01-9	Chrysene	73.7		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	84.1		1.0	0.72
132-64-9	Dibenzofuran	69.0		10	1.1
84-66-2	Diethyl phthalate	73.4		10	0.98
131-11-3	Dimethyl phthalate	72.2		10	0.77
84-74-2	Di-n-butyl phthalate	74.1		10	0.84
117-84-0	Di-n-octyl phthalate	66.0		10	4.8
206-44-0	Fluoranthene	67.0		10	0.84
86-73-7	Fluorene	71.6		10	0.91
118-74-1	Hexachlorobenzene	74.5		1.0	0.40
87-68-3	Hexachlorobutadiene	49.0		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	44.4		10	1.7
67-72-1	Hexachloroethane	45.5		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	79.2		2.0	1.3
78-59-1	Isophorone	73.6		10	0.80
91-20-3	Naphthalene	60.1		10	1.1
98-95-3	Nitrobenzene	77.2		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	75.4		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	63.9		10	0.89
87-86-5	Pentachlorophenol	148		20	1.4
85-01-8	Phenanthrene	69.2		10	0.58
108-95-2	Phenol	24.7		10	0.29
129-00-0	Pyrene	75.0		10	1.6

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Matrix: Water Lab File ID: A163871.D

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Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639497 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	103		26-139
321-60-8	2-Fluorobiphenyl	78		45-107
367-12-4	2-Fluorophenol (Surr)	42		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	86		51-108
4165-62-2	Phenol-d5 (Surr)	28		14-39
1718-51-0	Terphenyl-d14 (Surr)	85		40-148

Report Date: 16-Sep-2019 08:51:51 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163871.D
Lims ID: 460-191309-D-2-A MSD
Client ID: HHMW-19SI
Sample Type: MSD
Inject. Date: 16-Sep-2019 00:09:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097624-019
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 16-Sep-2019 08:51:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: croccom Date: 16-Sep-2019 08:26:28

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	1.987	2.034	-0.047	94	277514	10.0	4.10	
2 N-Nitrosodimethylamine	74	2.181	2.222	-0.041	91	454927	10.0	4.45	
3 Pyridine	79	2.216	2.257	-0.041	94	405671	20.0	2.76	
$ 4 2-Fluorophenol	112	3.269	3.281	-0.012	97	729517	10.0	4.20	
5 Benzaldehyde	77	4.046	4.046	0.000	95	2187549	20.0	15.7	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	563092	10.0	2.79	
8 Aniline	93	4.152	4.157	-0.005	90	292687	10.0	1.14	
7 Phenol	94	4.152	4.157	-0.005	98	656935	10.0	3.09	
9 Bis(2-chloroethyl)ether	93	4.199	4.204	-0.005	99	1458055	10.0	9.02	
10 Benzonitrile	103	4.222	4.228	-0.006	98	2725279	NC	NC	
11 2-Chlorophenol	128	4.275	4.281	-0.006	98	1360492	10.0	7.54	
12 n-Decane	43	4.304	4.310	-0.006	90	776023	10.0	4.78	
13 1,3-Dichlorobenzene	146	4.410	4.410	0.000	96	1120455	10.0	5.92	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.463	-0.006	95	972900	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.475	4.481	-0.006	94	1172659	10.0	6.14	
16 Benzyl alcohol	108	4.593	4.604	-0.011	93	479376	10.0	4.55	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1136406	10.0	6.27	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.716	-0.006	94	1590189	10.0	8.04	
18 2-Methylphenol	108	4.716	4.722	-0.006	89	1037527	10.0	6.84	
26 2-Toluidine	107	4.716	4.775	-0.059	61	922706		NC	
20 N-Methylaniline	106	4.834	4.834	0.000	95	763272	10.0	3.27	
22 N-Nitrosodi-n-propylamine	70	4.840	4.845	-0.005	87	1001426	10.0	9.43	
21 Acetophenone	105	4.840	4.845	-0.005	93	2089080	10.0	9.44	
23 3 & 4 Methylphenol	108	4.863	4.869	-0.006	99	1072395	10.0	6.64	
24 4-Methylphenol	108	4.863	4.869	-0.006	96	1025253	10.0	6.37	
25 Hexachloroethane	117	4.940	4.945	-0.005	95	370778	10.0	5.68	
$ 27 Nitrobenzene-d5	82	4.981	4.987	-0.006	87	1464044	10.0	8.65	
28 Nitrobenzene	123	5.004	5.004	0.000	97	770422	10.0	9.64	
29 n,n'-Dimethylaniline	120	5.004	5.010	-0.006	92	1299965	10.0	5.08	
30 Isophorone	82	5.228	5.228	0.000	99	2748776	10.0	9.20	
32 2-Nitrophenol	139	5.304	5.304	0.000	95	820925	10.0	9.97	
33 2,4-Dimethylphenol	122	5.363	5.369	-0.006	92	1199784	10.0	8.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.434	5.434	0.000	99	1652007	10.0	8.78	
35 Benzoic acid	122	5.451	5.487	-0.035	86	350433	10.0	5.64	Ma
36 2,4-Dichlorophenol	162	5.546	5.551	-0.005	97	1141693	10.0	8.75	
37 1,2,4-Trichlorobenzene	180	5.610	5.616	-0.006	94	959632	10.0	6.71	
* 38 Naphthalene-d8	136	5.669	5.669	0.000	98	3923996	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.001	99	3802422	10.0	7.51	
40 4-Chloroaniline	127	5.746	5.745	0.001	97	291774	10.0	1.42	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	95	427335	10.0	6.13	
42 Caprolactam	113	6.069	6.046	0.023	95	154242	20.0	4.32	
43 4-Chloro-3-methylphenol	107	6.228	6.222	0.006	95	1095797	10.0	8.62	
44 2-Methylnaphthalene	142	6.340	6.345	-0.005	85	2555745	10.0	7.92	
45 1-Methylnaphthalene	142	6.434	6.439	-0.005	93	2465417	10.0	8.31	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	97	448791	10.0	5.55	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1037189	10.0	7.30	
48 2-tertbutyl-4-methylphenol	149	6.545	6.545	0.000	92	1893668	10.0	9.55	
49 2,4,6-Trichlorophenol	196	6.616	6.622	-0.006	90	818845	10.0	8.47	
50 2,4,5-Trichlorophenol	196	6.663	6.663	0.000	97	882636	10.0	8.33	
$ 51 2-Fluorobiphenyl	172	6.693	6.692	0.001	98	2995371	10.0	7.80	
52 1,1'-Biphenyl	154	6.787	6.786	0.001	96	3285030	10.0	7.70	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	97	2470686	10.0	7.55	
54 Phenyl ether	170	6.881	6.886	-0.005	84	1650509	10.0	7.78	
55 2-Nitroaniline	65	6.904	6.904	0.000	95	834986	10.0	8.55	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	2005785	10.0	7.75	
59 Dimethyl phthalate	163	7.075	7.081	-0.006	100	3066869	10.0	9.02	
60 Coumarin	146	7.092	7.098	-0.006	81	981102	10.0	9.81	
61 2,6-Dinitrotoluene	165	7.128	7.133	-0.005	96	707870	10.0	9.20	
62 Acenaphthylene	152	7.192	7.192	0.000	98	4103004	10.0	8.33	
63 3-Nitroaniline	138	7.292	7.298	-0.006	98	148329	10.0	1.71	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	95	2004060	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	98	1929096	10.0	8.16	
66 Acenaphthene	154	7.357	7.363	-0.006	94	2874661	10.0	9.08	
67 2,4-Dinitrophenol	184	7.387	7.386	0.001	96	832668	20.0	22.5	
68 4-Nitrophenol	65	7.487	7.486	0.001	90	391783	20.0	7.41	
69 2,4-Dinitrotoluene	165	7.504	7.510	-0.006	96	928547	10.0	9.50	
70 Dibenzofuran	168	7.522	7.522	0.000	98	3629503	10.0	8.62	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	92	655390	10.0	9.46	
73 Diethyl phthalate	149	7.740	7.745	-0.005	98	3098317	10.0	9.17	
74 4-Chlorophenyl phenyl ethe	204	7.840	7.845	-0.005	87	1261048	10.0	9.07	
75 Fluorene	166	7.845	7.845	0.000	95	2869237	10.0	8.96	
76 4-Nitroaniline	138	7.875	7.880	-0.005	87	423217	10.0	5.12	
77 4,6-Dinitro-2-methylphenol	198	7.898	7.898	0.000	88	1048998	20.0	21.5	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	72	1989288	10.0	7.99	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	2707628	10.0	7.98	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	369127	10.0	10.3	
58 1-Naphthylamine	143	8.075	8.116	-0.041	68	139856		NC	
81 4-Bromophenyl phenyl ether	248	8.304	8.304	0.000	91	748668	10.0	8.94	
82 Hexachlorobenzene	284	8.369	8.369	0.000	98	811996	10.0	9.31	
71 2-Naphthylamine	143	8.463	8.410	0.053	48	9483		NC	
83 Atrazine	200	8.463	8.463	0.000	94	600908	20.0	8.37	
84 Pentachlorophenol	266	8.557	8.557	0.000	92	885771	20.0	18.4	
85 Pentachloronitrobenzene	237	8.563	8.569	-0.006	87	304787	10.0	9.25	
86 n-Octadecane	57	8.628	8.627	0.001	90	1672626	10.0	8.65	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.722	8.727	-0.005	98	3206384	8.00	8.00	
88 Phenanthrene	178	8.745	8.751	-0.006	97	4068229	10.0	8.65	
89 Anthracene	178	8.792	8.798	-0.006	99	4155314	10.0	8.75	
90 Carbazole	167	8.951	8.951	0.000	96	3394227	10.0	8.03	
91 Di-n-butyl phthalate	149	9.275	9.280	-0.005	99	4651966	10.0	9.27	
92 Fluoranthene	202	9.863	9.869	-0.006	98	3625538	10.0	8.38	
93 Benzidine	184	10.045	9.992	0.053	70	16106	10.0	0.0634	7a
94 Pyrene	202	10.075	10.080	-0.005	98	3589500	10.0	9.38	
95 Bisphenol-A	213	10.204	10.227	-0.023	98	471063	5.00	3.97	
$ 96 Terphenyl-d14	244	10.228	10.227	0.001	100	2135867	10.0	8.49	
97 Butyl benzyl phthalate	149	10.728	10.727	0.001	96	1549329	10.0	9.82	
99 Carbamazepine	193	10.839	10.845	-0.006	93	506909	10.0	4.37	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	92	13635	10.0	0.1332	a
101 Benzo[a]anthracene	228	11.328	11.327	0.001	98	2657944	10.0	9.00	
* 102 Chrysene-d12	240	11.339	11.345	-0.006	99	1746878	8.00	8.00	
104 Chrysene	228	11.369	11.374	-0.005	99	2541978	10.0	9.22	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.380	0.000	87	2080407	10.0	10.6	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3464118	10.0	8.24	
106 Benzo[b]fluoranthene	252	12.692	12.698	-0.006	99	2837979	10.0	8.66	
107 Benzo[k]fluoranthene	252	12.733	12.733	0.000	99	2786606	10.0	8.12	
108 Benzo[a]pyrene	252	13.145	13.145	0.000	97	2592131	10.0	8.51	
* 109 Perylene-d12	264	13.222	13.221	0.001	98	2148897	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.780	14.780	0.000	99	3352794	10.0	9.90	
111 Dibenz(a,h)anthracene	278	14.821	14.815	0.006	97	3383878	10.0	10.5	
112 Benzo[g,h,i]perylene	276	15.216	15.209	0.007	98	3347225	10.0	9.18	
S 119 Total Cresols	1				0			13.5	
127 4,4'-DDT	235	6.498	6.463	0.035	77	281675		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

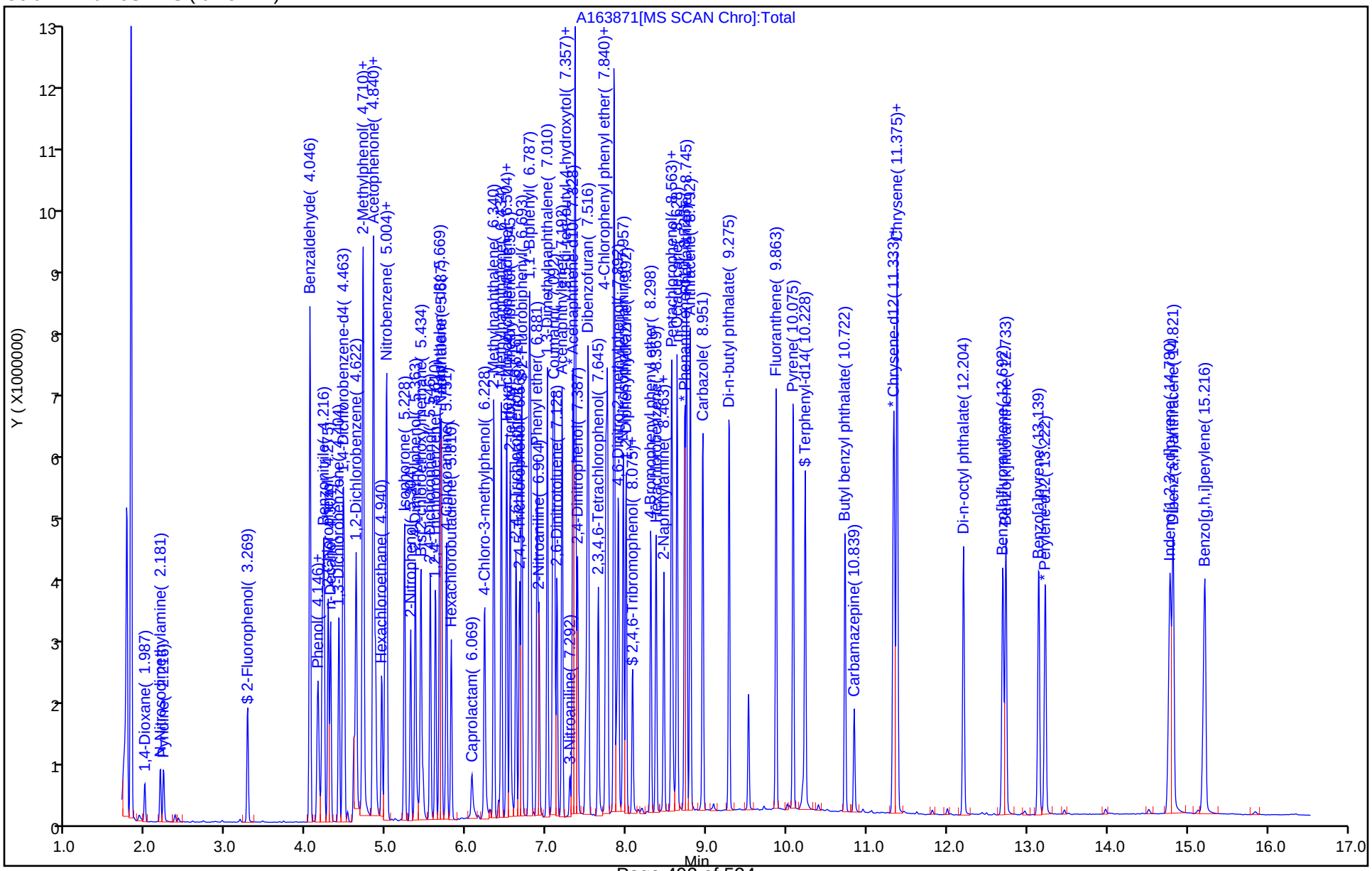
Report Date: 16-Sep-2019 08:51:51 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163871.D

Injection Date:	16-Sep-2019 00:09:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191309-D-2-A MSD			Worklist Smp#:	19
Client ID:	HHMW-19SI				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

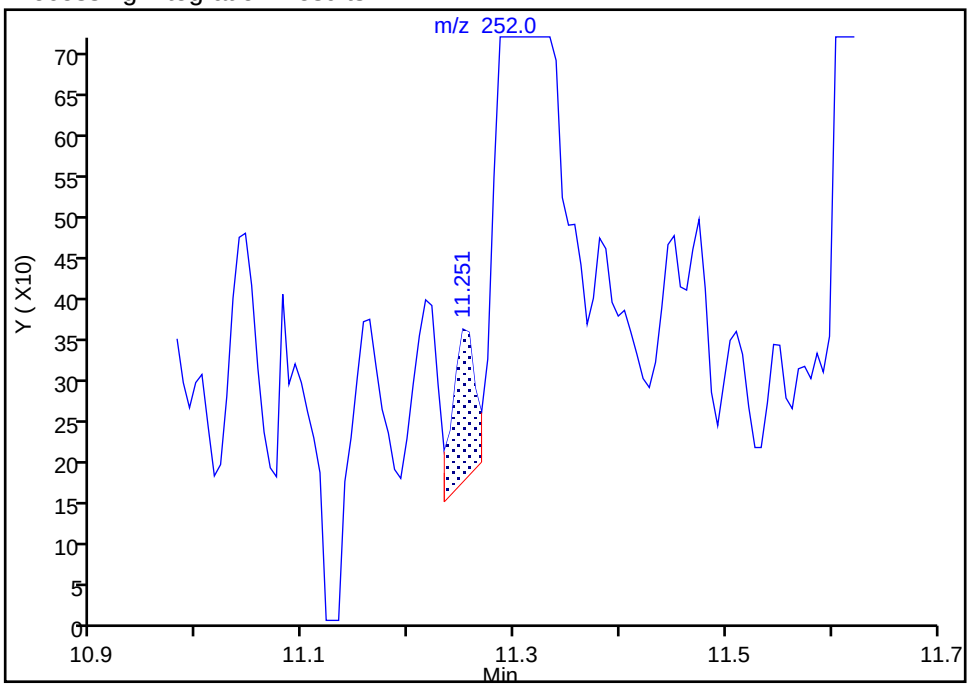
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190915-97624.b\A163871.D				
Injection Date:	16-Sep-2019 00:09:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191309-D-2-A MSD				
Client ID:	HHMW-19SI				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

100 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

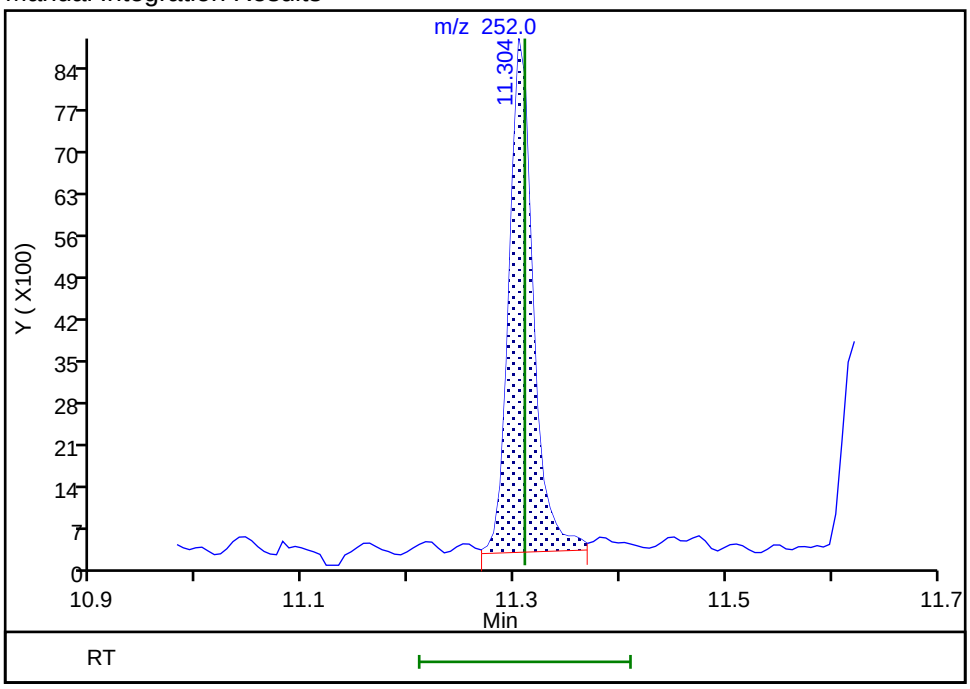
Processing Integration Results

RT: 11.25
Area: 287
Amount: 0.002803
Amount Units: ug/ml



Manual Integration Results

RT: 11.30
Area: 13635
Amount: 0.133154
Amount Units: ug/ml



Reviewer: croccom, 16-Sep-2019 08:26:13

Audit Action: Assigned Compound ID Audit Reason: Missed Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 09/04/2019 10:47

Analysis Batch Number: 636864 End Date: 09/04/2019 16:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-636864/1		09/04/2019 10:47	1	A163568.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-636864/2		09/04/2019 11:06	1	A163569.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-636864/3 IC		09/04/2019 11:29	1	A163570.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-636864/4 IC		09/04/2019 11:50	1	A163571.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-636864/5 IC		09/04/2019 12:12	1	A163572.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-636864/6 IC		09/04/2019 12:33	1	A163573.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-636864/7 IC		09/04/2019 12:54	1	A163574.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-636864/8 IC		09/04/2019 13:16	1	A163575.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-636864/9 IC		09/04/2019 13:37	1	A163576.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-636864/10 IC		09/04/2019 13:58	1	A163577.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-636864/11 IC		09/04/2019 14:19	1	A163578.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-636864/12 IC		09/04/2019 14:40	1	A163579.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-636864/13 IC		09/04/2019 15:01	1	A163580.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-636864/14 IC		09/04/2019 15:22	1	A163581.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-636864/15 IC		09/04/2019 15:43	1	A163582.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-636864/16 IC		09/04/2019 16:05	1	A163583.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-636864/17		09/04/2019 16:26	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-636864/18		09/04/2019 16:47	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 09/15/2019 17:38

Analysis Batch Number: 639497 End Date: 09/16/2019 05:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-639497/1		09/15/2019 17:38	1	A163853.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-639497/2		09/15/2019 17:55	1	A163854.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-639497/3		09/15/2019 18:21	1	A163855.D	Rtxi-5Sil MS 0.25(mm)
MB 460-639442/1-A		09/15/2019 19:14	1	A163857.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-639442/2-A		09/15/2019 19:34	1	A163858.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-639442/3-A		09/15/2019 19:57	1	A163859.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-639442/4-A		09/15/2019 20:18	1	A163860.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-639442/5-A		09/15/2019 20:39	1	A163861.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/15/2019 23:27	1		Rtxi-5Sil MS 0.25(mm)
460-191309-E-2-A MS		09/15/2019 23:48	1	A163870.D	Rtxi-5Sil MS 0.25(mm)
460-191309-D-2-A MSD		09/16/2019 00:09	1	A163871.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 01:12	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 01:33	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 01:54	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 02:15	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 02:36	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 02:57	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 03:18	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 03:39	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 03:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/16/2019 04:20	1		Rtxi-5Sil MS 0.25(mm)
460-191322-1		09/16/2019 04:41	1	A163884.D	Rtxi-5Sil MS 0.25(mm)
460-191322-2		09/16/2019 05:02	1	A163885.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Batch Number: 639442 Batch Start Date: 09/15/19 07:46 Batch Analyst: Dekkar, Djedjiga X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00009
MB 460-639442/1		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-639442/2		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCSD 460-639442/3		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-639442/4		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
LCSD 460-639442/5		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
460-191309-E-2 MS		3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
460-191309-D-2 MSD		3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
460-191322-F-1	MW-3D 091219	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191322-F-2	MW-20D 091219	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00030	OP_BNASurroga 00015				
MB 460-639442/1		3510C, 8270D			200 uL				
LCS 460-639442/2		3510C, 8270D		200 uL	200 uL				
LCSD 460-639442/3		3510C, 8270D		200 uL	200 uL				
LCS 460-639442/4		3510C, 8270D			200 uL				
LCSD 460-639442/5		3510C, 8270D			200 uL				
460-191309-E-2 MS		3510C, 8270D	T	200 uL	200 uL				
460-191309-D-2 MSD		3510C, 8270D	T	200 uL	200 uL				
460-191322-F-1	MW-3D 091219	3510C, 8270D	T		200 uL				
460-191322-F-2	MW-20D 091219	3510C, 8270D	T		200 uL				

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Batch Number: 639442 Batch Start Date: 09/15/19 07:46 Batch Analyst: Dekkar, Djedjiga X

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid Used for pH Adjustment ID	186983
Base Used to Adjust pH ID	OP2919
Batch Comment	3510C 8270 LVI
Concentration 1 Corrected Temperature	37 Degrees C
Analyst ID - Extraction	dD
Method/Fraction	3510C_LVI BNA water
Prep Solvent ID	MeCL2 / 227642
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	dD
Sufficient Volume for Batch QC	Yes
Concentration 1 Uncorrected Temperature	37 Degrees C

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-191322-1

SDG No.:

Project: NYSEG - Former MGP Site Mechanicville

Client Sample ID	Lab Sample ID
MW-3D 091219	460-191322-1
MW-20D 091219	460-191322-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-3D 091219 Lab Sample ID: 460-191322-1

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG ID.:

Matrix: Water Date Sampled: 09/12/2019 08:25

Reporting Basis: WET Date Received: 09/13/2019 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-20D 091219 Lab Sample ID: 460-191322-2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG ID.:

Matrix: Water Date Sampled: 09/12/2019 10:05

Reporting Basis: WET Date Received: 09/13/2019 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Analyst: AJP Batch Start Date: 09/18/2019

Reporting Units: mg/L Analytical Batch No.: 640215

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	CCV	13:58	Cyanide, Total	0.208	0.200	104	85-115		WTcn6ppm_Pri_00368
9	CCB	14:01	Cyanide, Total	0.0040				U	
10	ICV	14:02	Cyanide, Total	0.203	0.200	102	85-115		WTcn6ppm_ICV_00350
11	ICB	14:03	Cyanide, Total	0.0040				U	
20	CCV	14:10	Cyanide, Total	0.210	0.200	105	85-115		WTcn6ppm_Pri_00368
21	CCB	14:13	Cyanide, Total	0.0040				U	
32	CCV	14:23	Cyanide, Total	0.209	0.200	105	85-115		WTcn6ppm_Pri_00368
33	CCB	14:25	Cyanide, Total	0.0040				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 640215	Date: 09/18/2019 14:03		Prep Batch: 640134		Date: 09/18/2019 09:58		
9012B	MB 460-640134/1-A	Cyanide, Total	0.0040	U	mg/L	0.010	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 640215 Date: 09/18/2019 14:06			Prep Batch: 640134		Date: 09/18/2019 09:58						
9012B	460-191068-E-4-B	Cyanide, Total	0.0040	U	mg/L						F1
9012B	460-191068-E-4-B MS	Cyanide, Total	0.244		mg/L	0.200	122	90-110			F1

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 640215 Date: 09/18/2019 14:07			Prep Batch: 640134		Date: 09/18/2019 09:58						
9012B	460-191068-E-4-C MSD	Cyanide, Total	0.237		mg/L	0.200	119	90-110	3	35	F1

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

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 640215	Date: 09/18/2019 14:04		Prep Batch: 640134			Date: 09/18/2019 09:58					
						LCS Source: WTcnCmplex-IM_00378					
9012B	LCS 460-640134/2-A	Cyanide, Total	0.0997		mg/L	0.100	100	85-115			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-191322-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012B MDL Date: 04/20/2018 11:15

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-191322-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012B XMDL Date: 04/20/2018 11:15

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.004

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-640134/1-A	09/18/2019 09:58	640134		6.0	6.0
LCS 460-640134/2-A	09/18/2019 09:58	640134		6.0	6.0
460-191068-E-4-B MS	09/18/2019 09:58	640134		6.0	6.0
460-191068-E-4-C MSD	09/18/2019 09:58	640134		6.0	6.0
460-191322-1	09/18/2019 09:58	640134		6.0	6.0
460-191322-2	09/18/2019 09:58	640134		6.0	6.0

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 09/18/2019 13:52 End Date: 09/18/2019 15:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				CN																			
IC 460-640134/33-A			13:52	X																			
IC 460-640134/32-A			13:53	X																			
IC 460-640134/31-A			13:54	X																			
IC 460-640134/30-A			13:55	X																			
IC 460-640134/29-A			13:56	X																			
IC 460-640134/28-A			13:56	X																			
IC 460-640134/27-A			13:57	X																			
CCV 460-640134/36-A	1		13:58	X																			
CCB 460-640215/9	1		14:01	X																			
ICV 460-640134/37-A	1		14:02	X																			
ICB 460-640215/11	1		14:03	X																			
MB 460-640134/1-A	1	T	14:03	X																			
LCS 460-640134/2-A	1	T	14:04	X																			
ZZZZZZ			14:05																				
460-191068-E-4-B MS	1	T	14:06	X																			
460-191068-E-4-C MSD	1	T	14:07	X																			
ZZZZZZ			14:08																				
ZZZZZZ			14:09																				
ZZZZZZ			14:09																				
CCV 460-640134/36-A	1		14:10	X																			
CCB 460-640215/21	1		14:13	X																			
ZZZZZZ			14:14																				
ZZZZZZ			14:15																				
ZZZZZZ			14:16																				
460-191322-1	1	T	14:16	X																			
460-191322-2	1	T	14:17	X																			
ZZZZZZ			14:18																				
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
ZZZZZZ			14:21																				
ZZZZZZ			14:22																				
CCV 460-640134/36-A	1		14:23	X																			
CCB 460-640215/33	1		14:25	X																			
ZZZZZZ			14:26																				
ZZZZZZ			14:27																				
ZZZZZZ			14:28																				
ZZZZZZ			14:29																				
ZZZZZZ			14:30																				
ZZZZZZ			14:30																				
ZZZZZZ			14:31																				
ZZZZZZ			14:32																				
ZZZZZZ			14:33																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 09/18/2019 13:52 End Date: 09/18/2019 15:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
ZZZZZZ			14:34																				
CCV 460-640134/36-A			14:35																				
CCB 460-640215/45			14:37																				
ZZZZZZ			14:38																				
ZZZZZZ			14:39																				
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
ZZZZZZ			14:42																				
ZZZZZZ			14:43																				
ZZZZZZ			14:43																				
ZZZZZZ			14:44																				
ZZZZZZ			14:45																				
ZZZZZZ			14:46																				
CCV 460-640134/36-A			14:47																				
CCB 460-640215/57			14:50																				
ZZZZZZ			14:50																				
ZZZZZZ			14:51																				
ZZZZZZ			14:52																				
ZZZZZZ			14:53																				
ZZZZZZ			14:54																				
ZZZZZZ			14:55																				
ZZZZZZ			14:56																				
ZZZZZZ			14:57																				
ZZZZZZ			14:57																				
ZZZZZZ			14:58																				
CCV 460-640134/36-A			14:59																				
CCB 460-640215/69			15:02																				
ZZZZZZ			15:03																				
ZZZZZZ			15:04																				
ZZZZZZ			15:04																				
ZZZZZZ			15:05																				
ZZZZZZ			15:06																				
CCV 460-640134/36-A			15:09																				
CCB 460-640215/76			15:11																				

Prep Types

T = Total/NA

TestAmerica

Sample Dilution Log
Wet Chemistry

Method No.: Cyanide

Analyst: CB

Prep Batch:

Analysis Date: 09/18/14

Analytical Batch: 640215

Job/Sample Number	Dilution Factor	Sample Volume (ml)	Final Volume (ml)	Diluent
460-191313-A-3	20	0.250	5.0	0.25 N NaOH

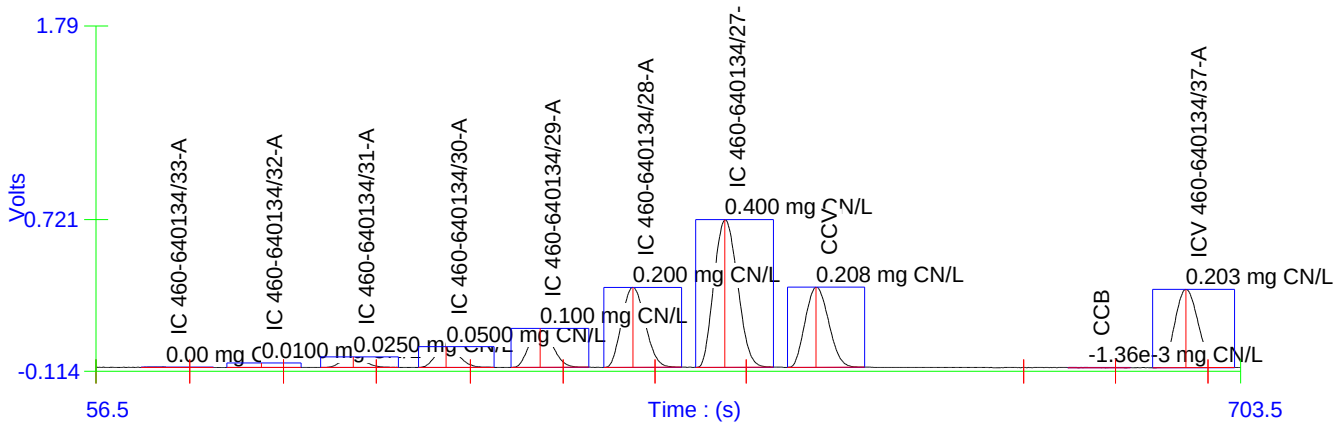
Original Run Filename: OM_9-18-2019_01-51-32PM.OMN Created: 9/18/2019 1:51:32 PM
Original Run Author's Signature: [EdiLachat]
Current Run Filename: OM_9-18-2019_01-51-32PM.OMN Last Modified: 9/18/2019 3:13:38 PM
Current Run Author's Signature: [EdiLachat]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg CN/L)	Channel 1 Cyanide Area (V.s)	Detection Time
IC 460-640134/33-A	1	1	0.00	0.0309	9/18/2019@1:52:32 PM
IC 460-640134/32-A	1	2	0.0100	0.383	9/18/2019@1:53:26 PM
IC 460-640134/31-A	1	3	0.0250	0.892	9/18/2019@1:54:19 PM
IC 460-640134/30-A	1	4	0.0500	1.72	9/18/2019@1:55:12 PM
IC 460-640134/29-A	1	5	0.100	3.24	9/18/2019@1:56:04 PM
IC 460-640134/28-A	1	6	0.200	6.70	9/18/2019@1:56:57 PM
IC 460-640134/27-A	1	7	0.400	12.5	9/18/2019@1:57:49 PM
CCV	1	S8	0.208	6.72	9/18/2019@1:58:41 PM
Known Conc:			0.200		
DQM Test: > + Percent Relative Difference					
Result:			4.1 < 10.0		
Message			Passed ccv		
Action			Continue		
DQM Test: < - Percent Relative Difference					
Result:			4.1 > -10.0		
Message			CCV Passed		
Action			Continue		
Calibration:			Table/Fig. : 1		
CCB	1	S9	-1.36e-3	0.0168	9/18/2019@2:01:18 PM
Known Conc:			0.00		
ICV 460-640134/37-A	1	8	0.203	6.56	9/18/2019@2:02:10 PM
ICB	1	9	-2.13e-3	-7.76e-3	9/18/2019@2:03:02 PM
MB 460-640134/1-A	1	10	3.68e-4	0.0720	9/18/2019@2:03:54 PM
LCS 460-640134/2-A	1	11	0.0997	3.25	9/18/2019@2:04:46 PM
460-191068-E-4-A	1	12	1.01e-3	0.0926	9/18/2019@2:05:37 PM
460-191068-E-4-B MS	1	13	0.244	7.88	9/18/2019@2:06:29 PM
460-191068-E-4-C MSD	1	14	0.237	7.64	9/18/2019@2:07:21 PM
460-191068-E-5-A	1	15	7.57e-4	0.0845	9/18/2019@2:08:12 PM
460-191068-E-6-A	1	16	1.19e-3	0.0985	9/18/2019@2:09:06 PM
460-191214-D-1-A	1	17	2.52e-3	0.141	9/18/2019@2:09:59 PM
CCV	1	S8	0.210	6.76	9/18/2019@2:10:50 PM
Known Conc:			0.200		
DQM Test: > + Percent Relative Difference					
Result:			4.8 < 10.0		
Message			Passed ccv		
Action			Continue		
DQM Test: < - Percent Relative Difference					
Result:			4.8 > -10.0		
Message			CCV Passed		
Action			Continue		
CCB	1	S9	-1.43e-3	0.0144	9/18/2019@2:13:28 PM
Known Conc:			0.00		
460-191214-D-2-A	1	18	3.54e-3	0.173	9/18/2019@2:14:21 PM
460-191214-D-5-A	1	19	6.90e-3	0.281	9/18/2019@2:15:14 PM
460-191214-D-6-A	1	20	8.34e-4	0.0870	9/18/2019@2:16:07 PM
460-191322-D-1-A	1	21	1.04e-3	0.0935	9/18/2019@2:16:59 PM
460-191322-D-2-A	1	22	2.78e-4	0.0692	9/18/2019@2:17:51 PM
720-95021-F-1-A	1	23	0.0101	0.384	9/18/2019@2:18:44 PM
720-95021-F-2-A	1	24	4.41e-3	0.201	9/18/2019@2:19:36 PM
720-95021-F-2-B MS	1	25	0.238	7.68	9/18/2019@2:20:28 PM
720-95021-F-2-C MSD	1	26	0.253	8.14	9/18/2019@2:21:20 PM
720-95021-F-3-A	1	27	1.44e-3	0.106	9/18/2019@2:22:11 PM
CCV	1	S8	0.209	6.75	9/18/2019@2:23:03 PM
Known Conc:			0.200		
DQM Test: > + Percent Relative Difference					
Result:			4.6 < 10.0		
Message			Passed ccv		
Action			Continue		

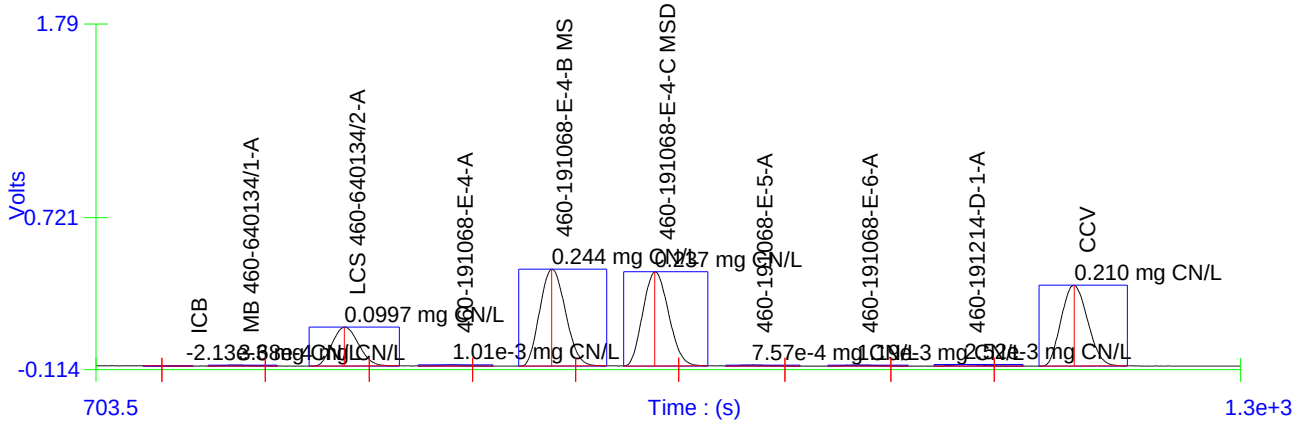
DQM Test: < - Percent Relative Difference					
		Result:	4.6 > -10.0		
		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.96e-5	0.0597	9/18/2019@2:25:41 PM
		Known Conc:	0.00		
720-95021-F-4-A	1	28	-5.96e-4	0.0412	9/18/2019@2:26:32 PM
720-95021-F-5-A	1	29	2.21e-3	0.131	9/18/2019@2:27:24 PM
720-95022-F-1-A	1	30	0.192	6.20	9/18/2019@2:28:15 PM
720-95022-F-2-A	1	31	0.213	6.86	9/18/2019@2:29:09 PM
720-95022-F-3-A	1	32	6.97e-4	0.0826	9/18/2019@2:30:01 PM
720-95022-F-4-A	1	33	2.05e-3	0.126	9/18/2019@2:30:55 PM
720-95022-F-5-A	1	34	5.85e-4	0.0790	9/18/2019@2:31:48 PM
720-95022-F-6-A	1	35	6.69e-4	0.0817	9/18/2019@2:32:40 PM
MB 460-640135/1-A	1	36	-6.59e-4	0.0392	9/18/2019@2:33:33 PM
LCSSRM 460-640135/2-A@20	1	37	0.111	3.60	9/18/2019@2:34:25 PM
CCV	1	S8	0.209	6.73	9/18/2019@2:35:17 PM
		Known Conc:	0.200		
DQM Test: > + Percent Relative Difference					
		Result:	4.3 < 10.0		
		Message	Passed ccv		
		Action	Continue		
DQM Test: < - Percent Relative Difference					
		Result:	4.3 > -10.0		
		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.49e-3	0.0127	9/18/2019@2:37:54 PM
		Known Conc:	0.00		
460-191296-G-1-G	1	38	-1.46e-3	0.0136	9/18/2019@2:38:46 PM
460-191296-G-1-H MS	1	39	0.275	8.84	9/18/2019@2:39:38 PM
460-191296-G-1-I MSD	1	40	0.256	8.24	9/18/2019@2:40:30 PM
460-191296-E-2-C	1	41	-4.94e-4	0.0445	9/18/2019@2:41:22 PM
460-191296-E-3-B	1	42	1.10e-3	0.0955	9/18/2019@2:42:14 PM
460-191296-G-4-D	1	43	7.81e-4	0.0853	9/18/2019@2:43:06 PM
460-191238-F-1-B	1	44	2.39e-3	0.137	9/18/2019@2:43:57 PM
460-191238-E-2-E	1	45	-8.07e-4	0.0345	9/18/2019@2:44:49 PM
460-191240-G-1-D	1	46	7.15e-4	0.0832	9/18/2019@2:45:43 PM
460-191389-D-1-A	1	47	1.18e-3	0.0981	9/18/2019@2:46:35 PM
CCV	1	S8	0.210	6.78	9/18/2019@2:47:27 PM
		Known Conc:	0.200		
DQM Test: > + Percent Relative Difference					
		Result:	5.0 < 10.0		
		Message	Passed ccv		
		Action	Continue		
DQM Test: < - Percent Relative Difference					
		Result:	5.0 > -10.0		
		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.30e-3	0.0186	9/18/2019@2:50:05 PM
		Known Conc:	0.00		
460-191389-D-2-A	1	48	2.37e-3	0.136	9/18/2019@2:50:58 PM
460-191389-D-3-A	1	49	4.74e-3	0.212	9/18/2019@2:51:51 PM
460-191376-C-1-E	1	50	5.55e-3	0.238	9/18/2019@2:52:44 PM
460-191376-C-1-F MS	1	51	0.255	8.21	9/18/2019@2:53:36 PM
460-191376-C-1-G MSD	1	52	0.247	7.95	9/18/2019@2:54:28 PM
460-191376-B-3-B	1	53	6.22e-3	0.259	9/18/2019@2:55:21 PM
460-190053-C-1-A	1	54	2.86e-3	0.152	9/18/2019@2:56:13 PM
460-190053-C-2-A	1	55	-4.92e-4	0.0446	9/18/2019@2:57:05 PM
460-190053-D-3-A	1	56	1.11e-3	0.0959	9/18/2019@2:57:57 PM
460-190053-C-4-A	1	57	-2.89e-4	0.0510	9/18/2019@2:58:48 PM
CCV	1	S8	0.212	6.84	9/18/2019@2:59:41 PM
		Known Conc:	0.200		
DQM Test: > + Percent Relative Difference					
		Result:	6.0 < 10.0		
		Message	Passed ccv		
		Action	Continue		
DQM Test: < - Percent Relative Difference					
		Result:	6.0 > -10.0		

		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.42e-3	0.0150	9/18/2019@3:02:18 PM
		Known Conc:	0.00		
460-191259-A-3-C	1	58	2.06e-3	0.126	9/18/2019@3:03:09 PM
460-191259-A-1-P	1	59	-7.29e-4	0.0370	9/18/2019@3:04:01 PM
460-191228-A-19-G	1	60	1.50e-3	0.108	9/18/2019@3:04:53 PM
460-191228-A-22-G	1	61	1.23e-4	0.0642	9/18/2019@3:05:46 PM
460-191313-A-1-A@20	1	62	0.283	9.12	9/18/2019@3:06:39 PM
CCV	1	S8	0.211	6.82	9/18/2019@3:09:15 PM
		Known Conc:	0.200		
DQM Test: > + Percent Relative Difference					
		Result:	5.7 < 10.0		
		Message	Passed ccv		
		Action	Continue		
DQM Test: < - Percent Relative Difference					
		Result:	5.7 > -10.0		
		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.15e-3	0.0235	9/18/2019@3:11:52 PM
		Known Conc:	0.00		

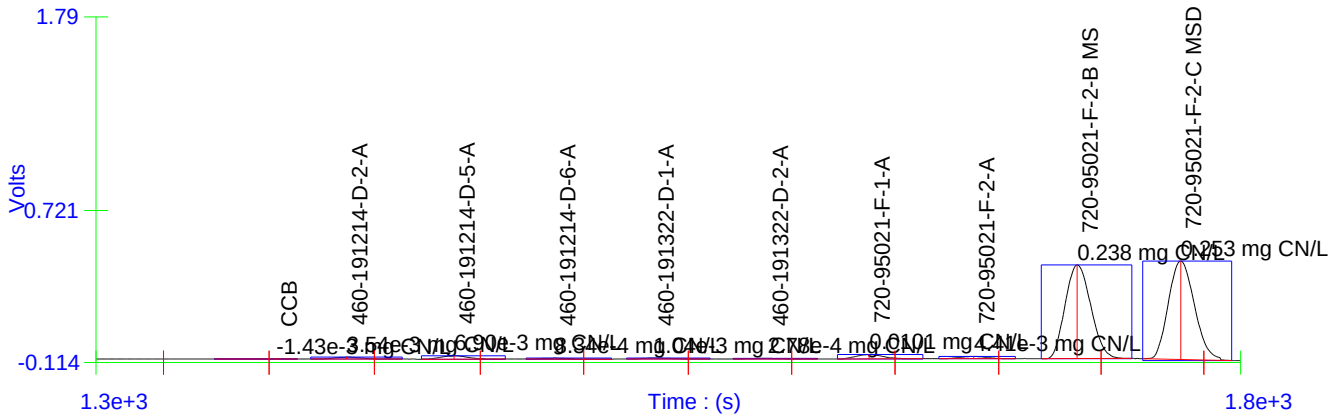
Channel 1 (Cyanide) - Set: 1 / 8



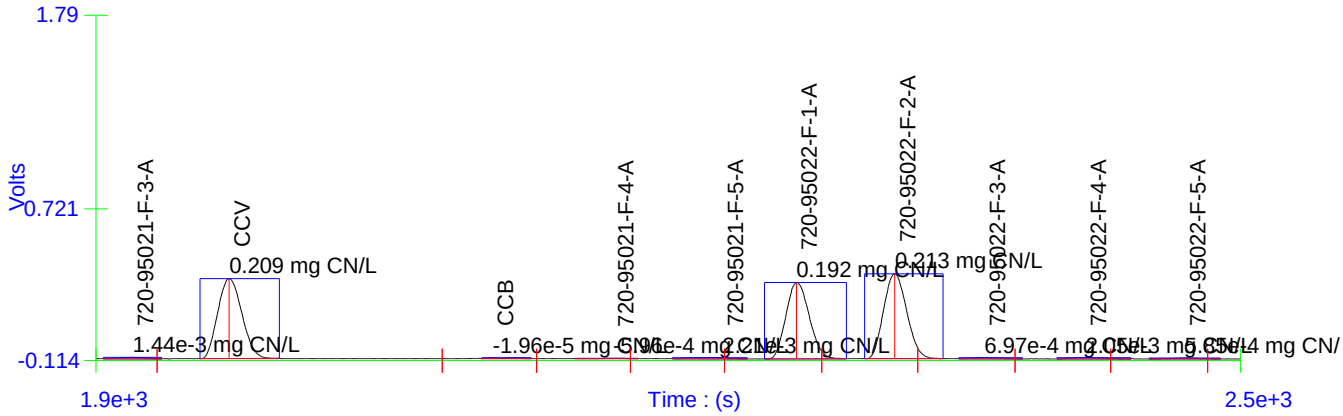
Channel 1 (Cyanide) - Set: 2 / 8



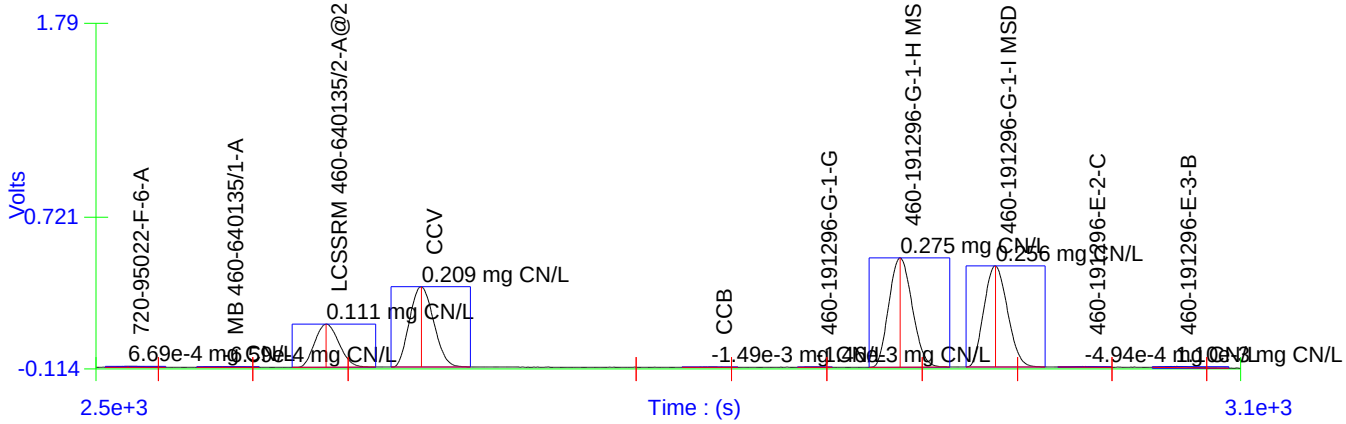
Channel 1 (Cyanide) - Set: 3 / 8



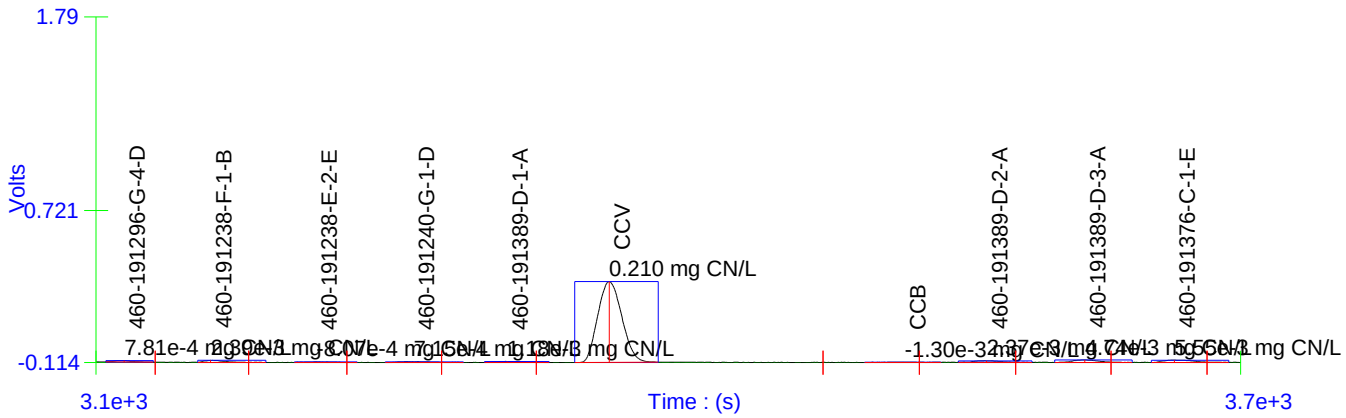
Channel 1 (Cyanide) - Set: 4 / 8



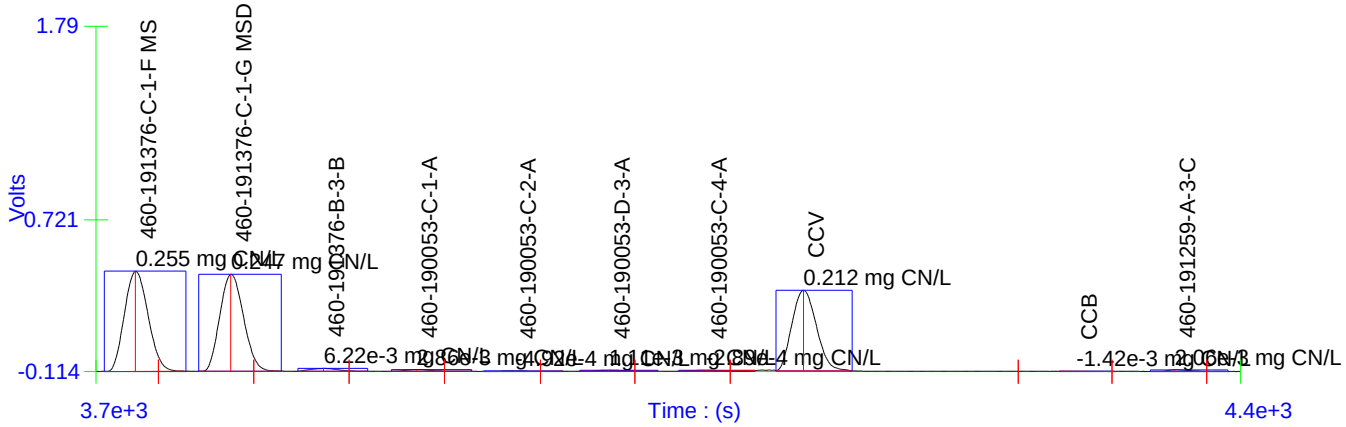
Channel 1 (Cyanide) - Set: 5 / 8



Channel 1 (Cyanide) - Set: 6 / 8



Channel 1 (Cyanide) - Set: 7 / 8



Channel 1 (Cyanide) - Set: 8 / 8

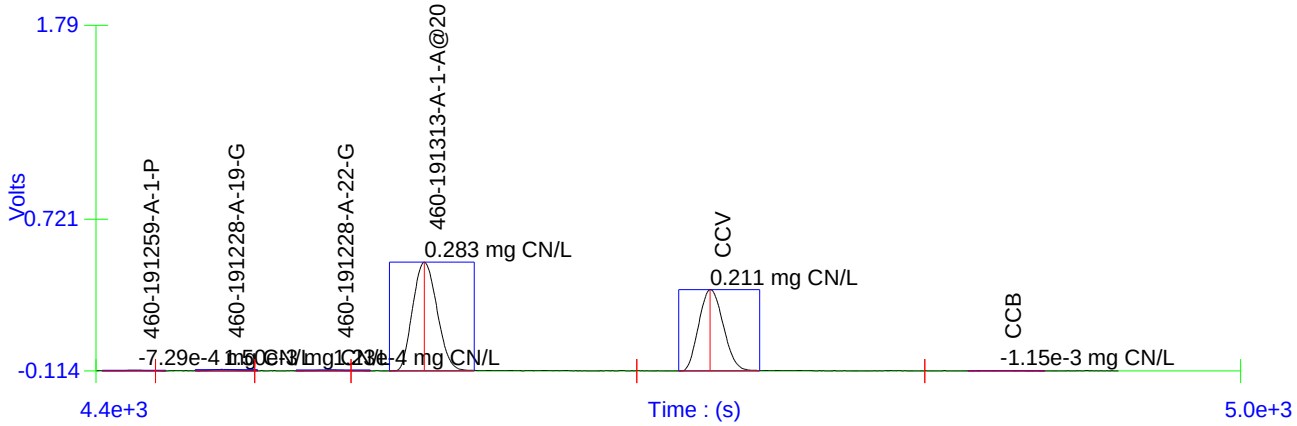
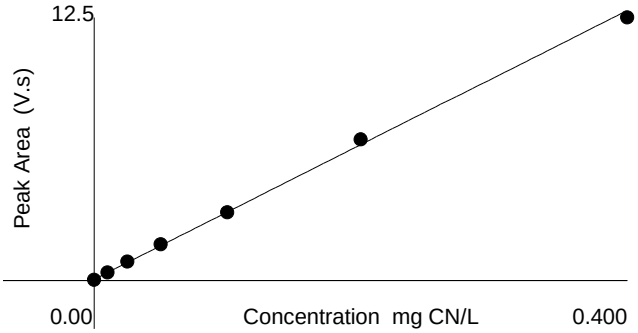


Table : 1 (Cyanide)

	Known Conc. (mg CN/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg CN/L)	Detection Date	Detection Time
1	0.400	1	12.5	0.812	0.0	2.6	0.389	9/18/2019	1:57:49 PM
2	0.200	1	6.70	0.440	0.0	-3.9	0.208	9/18/2019	1:56:57 PM
3	0.100	1	3.24	0.214	0.0	0.5	0.0994	9/18/2019	1:56:04 PM
4	0.0500	1	1.72	0.113	0.0	-3.8	0.0520	9/18/2019	1:55:12 PM
5	0.0250	1	0.892	0.0586	0.0	-3.7	0.0260	9/18/2019	1:54:19 PM
6	0.0100	1	0.383	0.0246	0.0	-0.5	0.0101	9/18/2019	1:53:26 PM
7	0.00	1	0.0309	1.90e-3			-9.18e-4	9/18/2019	1:52:32 PM

Figure : 1 (Cyanide)



Area = 31.9 * Conc + 0.0611
Conc = 0.0313 * Area - 1.88e-3
Correlation Coefficient (r) = 0.99986

Weighting : 1/x

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Batch Number: 640134 Batch Start Date: 09/18/19 07:30 Batch Analyst: Afremova, Izabella

Batch Method: 9012B Batch End Date: 09/18/19 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SulfideCheck	ChlorineCheck	DistillpHCheck	WTcn6ppm_ICV 00350
MB 460-640134/1		9012B, 9012B		6.0 mL	6.0 mL	N	N	PH>12	
LCS 460-640134/2		9012B, 9012B		6.0 mL	6.0 mL	N	N	PH>12	
460-191068-E-4 MS		9012B, 9012B	T	6.0 mL	6.0 mL	N	N	PH>12	
460-191068-E-4 MSD		9012B, 9012B	T	6.0 mL	6.0 mL	N	N	PH>12	
460-191322-D-1	MW-3D 091219	9012B, 9012B	T	6.0 mL	6.0 mL	N	N	PH>12	
460-191322-D-2	MW-20D 091219	9012B, 9012B	T	6.0 mL	6.0 mL	N	N	PH>12	
CCV 460-640134/36		9012B, 9012B		6.0 mL	6.0 mL	N	N	PH>12	
ICV 460-640134/37		9012B, 9012B		6.0 mL	6.0 mL	N	N	PH>12	0.2 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	WTcn6ppm_Pri 00368	WTcnCmplex-IM 00378				
MB 460-640134/1		9012B, 9012B							
LCS 460-640134/2		9012B, 9012B			0.1 mL				
460-191068-E-4 MS		9012B, 9012B	T		0.2 mL				
460-191068-E-4 MSD		9012B, 9012B	T		0.2 mL				
460-191322-D-1	MW-3D 091219	9012B, 9012B	T						
460-191322-D-2	MW-20D 091219	9012B, 9012B	T						
CCV 460-640134/36		9012B, 9012B		0.2 mL					
ICV 460-640134/37		9012B, 9012B							

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 BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Batch Number: 640134 Batch Start Date: 09/18/19 07:30 Batch Analyst: Afremova, Izabella

Batch Method: 9012B Batch End Date: 09/18/19 10:30

Batch Notes	
Distillation End Time	09/18/2019 10:30
Distillation Start Time	09/18/2019 10:00
Distillation Temperature	120 Degrees C
Sodium Hydroxide ID	C-8348-19 exp. 02/17/20
Pipette/Syringe/Dispenser ID	P-91/P-92
Sulfamic Acid ID	C-8390-19 exp. 02/28/20
Sulfuric Acid Reagent ID Number	C-8425-19 exp. 03/11/20

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

Chain of Custody Record

383539 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Keeti Doshi	Site Contact:	Date: 9/12/19	COC No:
Company Name: AECOM	Tel/Email:	Lab Contact:	Carrier:	1 of 1 COCs
Address: 40 British American Blvd	Analysis Turnaround Time			Sampler:
City/State/Zip: Latham NY 12110	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 518 925 4951	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: NYSEG Mechanicville	☐ 1 week STANDARD TAT			
Site:	☐ 2 days			Job / SDG No.:
PO# 60546118	☐ 1 day			191322

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270D SVOCs	8260C VOCs	9012B-cyanide	Sample Specific Notes:
MW-3D 091219	9/12/19	0825	G	GW	6	N	N	X	X	X	1
MW-20D 091219	↓	1005	↓	↓	↓	↓	↓	X	X	X	2

460-191322 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Cat B Report Req. via fedex

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AECOM	9/12/19 1571	Naomi. P	JA Edi	09/13/19 @9:20
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

CS 11311188 1.6°C IR #9

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 191322

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.6 °C	1.6 °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
1												>12			
2												>12			

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: NS Date: 09/13/19

Login Sample Receipt Checklist

Client: AECOM

Job Number: 460-191322-1

Login Number: 191322
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 #1131488
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.	False	Received Trip Blank(s) not listed on COC.
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	

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ANALYTICAL REPORT

Job Number: 460-191351-1

Job Description: NYSEG - Former MGP Site Mechanicville

For:
AECOM
125 Broad Street
16th Floor
New York, NY 10004

Attention: Reeti Doshi

Approved for release.
Thomas A Chupela
Project Management Assistant I
9/18/2019 2:08 PM

Designee for
Allison L Bennett, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(732)593-2517
allison.bennett@testamericainc.com
09/18/2019

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

Job Number: 460-191351-1

Job Description: NYSEG - Former MGP Site Mechanicville

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Approved for release.
Thomas A Chupela
Project Management Assistant I
9/18/2019 2:08 PM

Designee for
Allison L Bennett

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CASE NARRATIVE

Client: AECOM

Project: NYSEG - Former MGP Site Mechanicville

Report Number: 460-191351-1

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 9/12/2019 9:34 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.4º C and 4.6º C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Logged in VOCs and placed on hold. The client was contacted and on 9/17/19 instructed the lab to proceed with analysis.

Per laboratory policy, the Trip Blank sample date and time were added to reflect the latest sample date and time of the sampling event.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed.

*Sample time not listed on the COC, logged in per container labels.

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.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-171 091119 (460-191351-1), MW-17D 091019 (460-191351-2), DUP (460-191351-3), MW-2 091119 (460-191351-4), MW-2I 091119 (460-191351-5), MW-46I 091119 (460-191351-6), MW-40D 091119 (460-191351-7), TW-2S 091119 (460-191351-8), MW-38D 091119 (460-191351-9), MW-38I 091119 (460-191351-10), MW-36I 091119 (460-191351-11), MW-36D 091119 (460-191351-12), MW-17 091119 (460-191351-13) and TB (460-191351-14) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 09/16/2019 and 09/17/2019.

The continuing calibration verification (CCV) analyzed in batch 460-639562 was outside the method criteria for the following analyte(s): 1,1,2-Trichloro-1,2,2-trifluoroethane and Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-639801 was outside the method criteria for Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

1,1-Dichloroethane failed the recovery criteria high for the MSD of sample MW-17D 091019MSD (460-191351-2) in batch 460-639801.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-171 091119 (460-191351-1), MW-17D 091019 (460-191351-2), DUP (460-191351-3), MW-2 091119 (460-191351-4), MW-2I 091119 (460-191351-5), MW-46I 091119 (460-191351-6), MW-40D 091119 (460-191351-7), TW-2S 091119 (460-191351-8), MW-38D 091119 (460-191351-9), MW-38I 091119 (460-191351-10), MW-36I 091119 (460-191351-11), MW-36D 091119 (460-191351-12) and MW-17 091119 (460-191351-13) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared and analyzed on 09/16/2019 and 09/17/2019.

The continuing calibration verification (CCV) analyzed in batch 460-639701 was outside the method criteria for the following analyte(s): Benzo[g,h,i]perylene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for preparation batch 460-639610 and analytical batch 460-639701 recovered outside control limits for the following analytes: Benzo[b]fluoranthene. The LCSD recovery was within limits; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for preparation batch 460-639610 and analytical batch 460-639701 recovered outside control limits for the following analytes: Benzo[g,h,i]perylene. The LCS recovery was within limits; therefore, the data have been reported.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch preparation batch 460-639610 and analytical batch 460-639701 recovered outside control limits for the following analytes: Atrazine and Caprolactam.

2,4-Dinitrophenol exceeded the RPD limit for the MSD of sample MW-17D 091019MSD (460-191351-2) in batch 460-639701.

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.

TOTAL CYANIDE

Samples MW-171 091119 (460-191351-1), MW-17D 091019 (460-191351-2), DUP (460-191351-3), MW-2 091119 (460-191351-4), MW-2I 091119 (460-191351-5), MW-46I 091119 (460-191351-6), MW-40D 091119 (460-191351-7), TW-2S 091119 (460-191351-8), MW-38D 091119 (460-191351-9), MW-38I 091119 (460-191351-10), MW-36I 091119 (460-191351-11), MW-36D 091119 (460-191351-12) and MW-17 091119 (460-191351-13) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 09/17/2019.

Cyanide, Total failed the recovery criteria high for the MS of sample MW-36D 091119MS (460-191351-12) in batch 460-639968.

Cyanide, Total failed the recovery criteria high for the MSD of sample MW-36D 091119MSD (460-191351-12) in batch 460-639968.

Cyanide, Total failed the recovery criteria high for the MS of sample MW-17D 091019MS (460-191351-2) in batch 460-639968.

Cyanide, Total failed the recovery criteria high for the MSD of sample MW-17D 091019MSD (460-191351-2) in batch 460-639968.

Refer to the QC report for details.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-191351-1	MW-171 091119	Water	09/10/19 15:00	09/12/19 09:34	
460-191351-2	MW-17D 091019	Water	09/10/19 15:05	09/12/19 09:34	
460-191351-3	DUP	Water	09/10/19 00:00	09/12/19 09:34	
460-191351-4	MW-2 091119	Water	09/11/19 08:40	09/12/19 09:34	
460-191351-5	MW-2I 091119	Water	09/11/19 08:50	09/12/19 09:34	
460-191351-6	MW-46I 091119	Water	09/11/19 10:05	09/12/19 09:34	
460-191351-7	MW-40D 091119	Water	09/11/19 11:45	09/12/19 09:34	
460-191351-8	TW-2S 091119	Water	09/11/19 10:20	09/12/19 09:34	
460-191351-9	MW-38D 091119	Water	09/11/19 13:05	09/12/19 09:34	
460-191351-10	MW-38I 091119	Water	09/11/19 13:05	09/12/19 09:34	
460-191351-11	MW-36I 091119	Water	09/11/19 14:35	09/12/19 09:34	
460-191351-12	MW-36D 091119	Water	09/11/19 14:20	09/12/19 09:34	
460-191351-13	MW-17 091119	Water	09/11/19 15:40	09/12/19 09:34	
460-191351-14	TB	Water	09/11/19 15:40	09/12/19 09:34	

Detection Summary

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Client Sample ID: MW-171 091119 — Lab Sample ID: 460-191351-1

No Detections.

Client Sample ID: MW-17D 091019 — Lab Sample ID: 460-191351-2

No Detections.

Client Sample ID: DUP — Lab Sample ID: 460-191351-3

No Detections.

Client Sample ID: MW-2 091119 — Lab Sample ID: 460-191351-4

No Detections.

Client Sample ID: MW-2I 091119 — Lab Sample ID: 460-191351-5

No Detections.

Client Sample ID: MW-46I 091119 — Lab Sample ID: 460-191351-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.7		5.0	4.4	ug/L	1		8260C	Total/NA
Benzene	12		1.0	0.20	ug/L	1		8260C	Total/NA
Chlorobenzene	0.71	J	1.0	0.38	ug/L	1		8260C	Total/NA
Ethylbenzene	1.1		1.0	0.30	ug/L	1		8260C	Total/NA
Isopropylbenzene	0.56	J	1.0	0.34	ug/L	1		8260C	Total/NA
Toluene	0.40	J	1.0	0.38	ug/L	1		8260C	Total/NA
Xylenes, Total	1.0	J	2.0	0.65	ug/L	1		8260C	Total/NA
1,1'-Biphenyl	2.3	J	10	1.2	ug/L	1		8270D	Total/NA
Acenaphthene	12		10	1.1	ug/L	1		8270D	Total/NA
Acenaphthylene	1.2	J	10	0.82	ug/L	1		8270D	Total/NA
Dibenzofuran	1.1	J	10	1.1	ug/L	1		8270D	Total/NA
Fluorene	4.0	J	10	0.91	ug/L	1		8270D	Total/NA
Phenanthrene	2.0	J	10	0.58	ug/L	1		8270D	Total/NA

Client Sample ID: MW-40D 091119 — Lab Sample ID: 460-191351-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.012		0.010	0.0040	mg/L	1		9012B	Total/NA

Client Sample ID: TW-2S 091119 — Lab Sample ID: 460-191351-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.4	J	5.0	4.4	ug/L	1		8260C	Total/NA
Benzene	230		1.0	0.20	ug/L	1		8260C	Total/NA
Ethylbenzene	76		1.0	0.30	ug/L	1		8260C	Total/NA
Isopropylbenzene	2.8		1.0	0.34	ug/L	1		8260C	Total/NA
Toluene	7.3		1.0	0.38	ug/L	1		8260C	Total/NA
Xylenes, Total	28		2.0	0.65	ug/L	1		8260C	Total/NA
Acenaphthene	9.1	J	10	1.1	ug/L	1		8270D	Total/NA
Fluorene	2.5	J	10	0.91	ug/L	1		8270D	Total/NA
Phenol	1.2	J	10	0.29	ug/L	1		8270D	Total/NA

Client Sample ID: MW-38D 091119 — Lab Sample ID: 460-191351-9

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Client Sample ID: MW-38I 091119
Lab Sample ID: 460-191351-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.85	J	1.0	0.59	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	1.1		1.0	0.41	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	1.2	J *	2.0	1.1	ug/L	1		8270D	Total/NA
Chrysene	1.1	J	2.0	0.91	ug/L	1		8270D	Total/NA
Fluoranthene	0.88	J	10	0.84	ug/L	1		8270D	Total/NA

Client Sample ID: MW-36I 091119
Lab Sample ID: 460-191351-11

No Detections.

Client Sample ID: MW-36D 091119
Lab Sample ID: 460-191351-12

No Detections.

Client Sample ID: MW-17 091119
Lab Sample ID: 460-191351-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.0		1.0	0.26	ug/L	1		8260C	Total/NA
Cyanide, Total	0.12		0.010	0.0040	mg/L	1		9012B	Total/NA

Client Sample ID: TB
Lab Sample ID: 460-191351-14

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI

Protocol References:

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: MW-171 091119
Lab Sample ID: 460-191351-1

Date Collected: 09/10/19 15:00
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 14:39	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 14:39	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 14:39	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 14:39	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 14:39	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 14:39	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 14:39	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 14:39	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 14:39	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 14:39	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 14:39	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 14:39	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 14:39	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 14:39	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 14:39	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 14:39	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 14:39	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 14:39	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 14:39	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 14:39	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 14:39	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 14:39	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 14:39	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 14:39	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 14:39	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 14:39	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 14:39	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 14:39	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 14:39	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 14:39	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 14:39	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 14:39	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 14:39	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 14:39	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 14:39	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 14:39	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 14:39	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 14:39	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 14:39	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 14:39	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 14:39	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 14:39	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 14:39	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 14:39	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 14:39	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 14:39	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 14:39	1

Client Sample ID: MW-171 091119
Lab Sample ID: 460-191351-1

Date Collected: 09/10/19 15:00
Matrix: Water
Date Received: 09/12/19 09:34

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*74 - 132*		*09/17/19 14:39*	*1*
4-Bromofluorobenzene	*91*		*77 - 124*		*09/17/19 14:39*	*1*
Dibromofluoromethane (Surr)	*99*		*72 - 131*		*09/17/19 14:39*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/17/19 14:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/16/19 23:28	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/16/19 23:28	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/16/19 23:28	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/16/19 23:28	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/16/19 23:28	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 23:28	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/16/19 23:28	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/16/19 23:28	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/16/19 23:28	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/16/19 23:28	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/16/19 23:28	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 23:28	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/16/19 23:28	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/16/19 23:28	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/16/19 23:28	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/16/19 23:28	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/16/19 23:28	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/16/19 23:28	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/16/19 23:28	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/16/19 23:28	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/16/19 23:28	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/16/19 23:28	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 23:28	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/16/19 23:28	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/16/19 23:28	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 23:28	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/16/19 23:28	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/16/19 23:28	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/16/19 23:28	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/16/19 23:28	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/16/19 23:28	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/16/19 23:28	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/16/19 23:28	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/16/19 23:28	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/16/19 23:28	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/16/19 23:28	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 23:28	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/16/19 23:28	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/16/19 23:28	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/16/19 23:28	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/16/19 23:28	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/16/19 23:28	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/16/19 23:28	1

Client Sample ID: MW-171 091119
Lab Sample ID: 460-191351-1
Date Collected: 09/10/19 15:00
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/16/19 23:28	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 23:28	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/16/19 23:28	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/16/19 23:28	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/16/19 23:28	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/16/19 23:28	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/16/19 23:28	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/16/19 23:28	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/16/19 23:28	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/16/19 23:28	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/16/19 23:28	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/16/19 23:28	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/16/19 23:28	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/16/19 23:28	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 23:28	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/16/19 23:28	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/16/19 23:28	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/16/19 23:28	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/16/19 23:28	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/16/19 23:28	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/16/19 23:28	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/16/19 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*26 - 139*	*09/16/19 09:40*	*09/16/19 23:28*	*1*
2-Fluorobiphenyl	*93*		*45 - 107*	*09/16/19 09:40*	*09/16/19 23:28*	*1*
2-Fluorophenol (Surr)	*43*		*25 - 58*	*09/16/19 09:40*	*09/16/19 23:28*	*1*
Nitrobenzene-d5 (Surr)	*99*		*51 - 108*	*09/16/19 09:40*	*09/16/19 23:28*	*1*
Phenol-d5 (Surr)	*29*		*14 - 39*	*09/16/19 09:40*	*09/16/19 23:28*	*1*
Terphenyl-d14 (Surr)	*85*		*40 - 148*	*09/16/19 09:40*	*09/16/19 23:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:38	1

Client Sample ID: MW-17D 091019
Lab Sample ID: 460-191351-2
Date Collected: 09/10/19 15:05
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 14:14	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 14:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 14:14	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 14:14	1
1,1-Dichloroethane	0.26	U F1	1.0	0.26	ug/L			09/17/19 14:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 14:14	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 14:14	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 14:14	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 14:14	1

Client Sample ID: MW-17D 091019
Lab Sample ID: 460-191351-2

Date Collected: 09/10/19 15:05
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 14:14	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 14:14	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 14:14	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 14:14	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 14:14	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 14:14	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 14:14	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 14:14	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 14:14	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 14:14	1
Bromomethane	0.55	U F2	1.0	0.55	ug/L			09/17/19 14:14	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 14:14	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 14:14	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 14:14	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 14:14	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 14:14	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 14:14	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 14:14	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 14:14	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 14:14	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 14:14	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 14:14	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 14:14	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 14:14	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 14:14	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 14:14	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 14:14	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 14:14	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 14:14	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 14:14	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 14:14	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 14:14	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 14:14	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 14:14	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 14:14	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 14:14	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 14:14	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 14:14	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*		*09/17/19 14:14*	*1*
4-Bromofluorobenzene	*94*		*77 - 124*		*09/17/19 14:14*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*09/17/19 14:14*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/17/19 14:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/17/19 10:02	09/17/19 18:13	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/17/19 10:02	09/17/19 18:13	1

Client Sample ID: MW-17D 091019
Lab Sample ID: 460-191351-2

Date Collected: 09/10/19 15:05
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/17/19 10:02	09/17/19 18:13	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/17/19 10:02	09/17/19 18:13	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/17/19 10:02	09/17/19 18:13	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/17/19 10:02	09/17/19 18:13	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/17/19 10:02	09/17/19 18:13	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/17/19 10:02	09/17/19 18:13	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/17/19 10:02	09/17/19 18:13	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/17/19 10:02	09/17/19 18:13	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/17/19 10:02	09/17/19 18:13	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/17/19 10:02	09/17/19 18:13	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/17/19 10:02	09/17/19 18:13	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/17/19 10:02	09/17/19 18:13	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/17/19 10:02	09/17/19 18:13	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/17/19 10:02	09/17/19 18:13	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/17/19 10:02	09/17/19 18:13	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/17/19 10:02	09/17/19 18:13	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/17/19 10:02	09/17/19 18:13	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/17/19 10:02	09/17/19 18:13	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/17/19 10:02	09/17/19 18:13	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/17/19 10:02	09/17/19 18:13	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/17/19 10:02	09/17/19 18:13	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/17/19 10:02	09/17/19 18:13	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/17/19 10:02	09/17/19 18:13	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/17/19 10:02	09/17/19 18:13	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/17/19 10:02	09/17/19 18:13	1
Acetophenone	0.79	U	10	0.79	ug/L		09/17/19 10:02	09/17/19 18:13	1
Anthracene	0.63	U	10	0.63	ug/L		09/17/19 10:02	09/17/19 18:13	1
Atrazine	1.3	U	2.0	1.3	ug/L		09/17/19 10:02	09/17/19 18:13	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/17/19 10:02	09/17/19 18:13	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/17/19 10:02	09/17/19 18:13	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/17/19 10:02	09/17/19 18:13	1
Benzo[b]fluoranthene	1.1	U	2.0	1.1	ug/L		09/17/19 10:02	09/17/19 18:13	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		09/17/19 10:02	09/17/19 18:13	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/17/19 10:02	09/17/19 18:13	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/17/19 10:02	09/17/19 18:13	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/17/19 10:02	09/17/19 18:13	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/17/19 10:02	09/17/19 18:13	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/17/19 10:02	09/17/19 18:13	1
Caprolactam	0.68	U	10	0.68	ug/L		09/17/19 10:02	09/17/19 18:13	1
Carbazole	0.68	U	10	0.68	ug/L		09/17/19 10:02	09/17/19 18:13	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/17/19 10:02	09/17/19 18:13	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/17/19 10:02	09/17/19 18:13	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/17/19 10:02	09/17/19 18:13	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/17/19 10:02	09/17/19 18:13	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/17/19 10:02	09/17/19 18:13	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/17/19 10:02	09/17/19 18:13	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/17/19 10:02	09/17/19 18:13	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/17/19 10:02	09/17/19 18:13	1
Fluorene	0.91	U	10	0.91	ug/L		09/17/19 10:02	09/17/19 18:13	1

Client Sample ID: MW-17D 091019
Lab Sample ID: 460-191351-2
Date Collected: 09/10/19 15:05
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/17/19 10:02	09/17/19 18:13	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/17/19 10:02	09/17/19 18:13	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/17/19 10:02	09/17/19 18:13	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/17/19 10:02	09/17/19 18:13	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/17/19 10:02	09/17/19 18:13	1
Isophorone	0.80	U	10	0.80	ug/L		09/17/19 10:02	09/17/19 18:13	1
Naphthalene	1.1	U	10	1.1	ug/L		09/17/19 10:02	09/17/19 18:13	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/17/19 10:02	09/17/19 18:13	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/17/19 10:02	09/17/19 18:13	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/17/19 10:02	09/17/19 18:13	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/17/19 10:02	09/17/19 18:13	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/17/19 10:02	09/17/19 18:13	1
Phenol	0.29	U	10	0.29	ug/L		09/17/19 10:02	09/17/19 18:13	1
Pyrene	1.6	U	10	1.6	ug/L		09/17/19 10:02	09/17/19 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*26 - 139*	*09/17/19 10:02*	*09/17/19 18:13*	*1*
2-Fluorobiphenyl	*83*		*45 - 107*	*09/17/19 10:02*	*09/17/19 18:13*	*1*
2-Fluorophenol (Surr)	*40*		*25 - 58*	*09/17/19 10:02*	*09/17/19 18:13*	*1*
Nitrobenzene-d5 (Surr)	*92*		*51 - 108*	*09/17/19 10:02*	*09/17/19 18:13*	*1*
Phenol-d5 (Surr)	*27*		*14 - 39*	*09/17/19 10:02*	*09/17/19 18:13*	*1*
Terphenyl-d14 (Surr)	*91*		*40 - 148*	*09/17/19 10:02*	*09/17/19 18:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U F1	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:12	1

Client Sample ID: DUP
Lab Sample ID: 460-191351-3
Date Collected: 09/10/19 00:00
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 13:49	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 13:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 13:49	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 13:49	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 13:49	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 13:49	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 13:49	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 13:49	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 13:49	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 13:49	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 13:49	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 13:49	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 13:49	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 13:49	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 13:49	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 13:49	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 13:49	1

Client Sample ID: DUP
Date Collected: 09/10/19 00:00
Date Received: 09/12/19 09:34

Lab Sample ID: 460-191351-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 13:49	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 13:49	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 13:49	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 13:49	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 13:49	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 13:49	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 13:49	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 13:49	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 13:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 13:49	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 13:49	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 13:49	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 13:49	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 13:49	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 13:49	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 13:49	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 13:49	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 13:49	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 13:49	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 13:49	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 13:49	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 13:49	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 13:49	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 13:49	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 13:49	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 13:49	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 13:49	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 13:49	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 13:49	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 13:49	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*		*09/17/19 13:49*	*1*
4-Bromofluorobenzene	*93*		*77 - 124*		*09/17/19 13:49*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*09/17/19 13:49*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/17/19 13:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/16/19 23:48	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/16/19 23:48	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/16/19 23:48	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/16/19 23:48	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/16/19 23:48	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 23:48	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/16/19 23:48	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/16/19 23:48	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/16/19 23:48	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/16/19 23:48	1

Client Sample ID: DUP
Date Collected: 09/10/19 00:00
Date Received: 09/12/19 09:34

Lab Sample ID: 460-191351-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/16/19 23:48	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 23:48	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/16/19 23:48	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/16/19 23:48	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/16/19 23:48	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/16/19 23:48	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/16/19 23:48	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/16/19 23:48	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/16/19 23:48	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/16/19 23:48	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/16/19 23:48	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/16/19 23:48	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 23:48	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/16/19 23:48	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/16/19 23:48	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 23:48	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/16/19 23:48	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/16/19 23:48	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/16/19 23:48	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/16/19 23:48	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/16/19 23:48	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/16/19 23:48	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/16/19 23:48	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/16/19 23:48	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/16/19 23:48	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/16/19 23:48	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 23:48	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/16/19 23:48	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/16/19 23:48	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/16/19 23:48	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/16/19 23:48	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/16/19 23:48	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/16/19 23:48	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/16/19 23:48	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 23:48	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/16/19 23:48	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/16/19 23:48	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/16/19 23:48	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/16/19 23:48	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/16/19 23:48	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/16/19 23:48	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/16/19 23:48	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/16/19 23:48	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/16/19 23:48	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/16/19 23:48	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/16/19 23:48	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/16/19 23:48	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 23:48	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/16/19 23:48	1

Client Sample ID: DUP
Lab Sample ID: 460-191351-3
Date Collected: 09/10/19 00:00
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/16/19 23:48	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/16/19 23:48	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/16/19 23:48	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/16/19 23:48	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/16/19 23:48	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/16/19 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*26 - 139*	*09/16/19 09:40*	*09/16/19 23:48*	*1*
2-Fluorobiphenyl	*87*		*45 - 107*	*09/16/19 09:40*	*09/16/19 23:48*	*1*
2-Fluorophenol (Surr)	*40*		*25 - 58*	*09/16/19 09:40*	*09/16/19 23:48*	*1*
Nitrobenzene-d5 (Surr)	*94*		*51 - 108*	*09/16/19 09:40*	*09/16/19 23:48*	*1*
Phenol-d5 (Surr)	*27*		*14 - 39*	*09/16/19 09:40*	*09/16/19 23:48*	*1*
Terphenyl-d14 (Surr)	*82*		*40 - 148*	*09/16/19 09:40*	*09/16/19 23:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:15	1

Client Sample ID: MW-2 091119
Lab Sample ID: 460-191351-4
Date Collected: 09/11/19 08:40
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 13:24	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 13:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 13:24	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 13:24	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 13:24	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 13:24	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 13:24	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 13:24	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 13:24	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 13:24	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 13:24	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 13:24	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 13:24	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 13:24	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 13:24	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 13:24	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 13:24	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 13:24	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 13:24	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 13:24	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 13:24	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 13:24	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 13:24	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 13:24	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 13:24	1

Client Sample ID: MW-2 091119
Date Collected: 09/11/19 08:40
Date Received: 09/12/19 09:34

Lab Sample ID: 460-191351-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 13:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 13:24	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 13:24	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 13:24	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 13:24	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 13:24	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 13:24	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 13:24	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 13:24	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 13:24	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 13:24	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 13:24	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 13:24	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 13:24	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 13:24	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 13:24	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 13:24	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 13:24	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 13:24	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 13:24	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 13:24	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 13:24	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*		*09/17/19 13:24*	*1*
4-Bromofluorobenzene	*93*		*77 - 124*		*09/17/19 13:24*	*1*
Dibromofluoromethane (Surr)	*101*		*72 - 131*		*09/17/19 13:24*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/17/19 13:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 00:09	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 00:09	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 00:09	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 00:09	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 00:09	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:09	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 00:09	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 00:09	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 00:09	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 00:09	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 00:09	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:09	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 00:09	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 00:09	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 00:09	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 00:09	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 00:09	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 00:09	1

Client Sample ID: MW-2 091119
Lab Sample ID: 460-191351-4

Date Collected: 09/11/19 08:40
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 00:09	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 00:09	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 00:09	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 00:09	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:09	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 00:09	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 00:09	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:09	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 00:09	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 00:09	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 00:09	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 00:09	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 00:09	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 00:09	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 00:09	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 00:09	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 00:09	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 00:09	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:09	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 00:09	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 00:09	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 00:09	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 00:09	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 00:09	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 00:09	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 00:09	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:09	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 00:09	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 00:09	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 00:09	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 00:09	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 00:09	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/17/19 00:09	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 00:09	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 00:09	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 00:09	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 00:09	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 00:09	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 00:09	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:09	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 00:09	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 00:09	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 00:09	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 00:09	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 00:09	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 00:09	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*26 - 139*	*09/16/19 09:40*	*09/17/19 00:09*	*1*

Client Sample ID: MW-2 091119
Lab Sample ID: 460-191351-4
Date Collected: 09/11/19 08:40
Matrix: Water
Date Received: 09/12/19 09:34

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*89*		*45 - 107*	*09/16/19 09:40*	*09/17/19 00:09*	*1*
2-Fluorophenol (Surr)	*44*		*25 - 58*	*09/16/19 09:40*	*09/17/19 00:09*	*1*
Nitrobenzene-d5 (Surr)	*97*		*51 - 108*	*09/16/19 09:40*	*09/17/19 00:09*	*1*
Phenol-d5 (Surr)	*29*		*14 - 39*	*09/16/19 09:40*	*09/17/19 00:09*	*1*
Terphenyl-d14 (Surr)	*76*		*40 - 148*	*09/16/19 09:40*	*09/17/19 00:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:15	1

Client Sample ID: MW-2I 091119
Lab Sample ID: 460-191351-5
Date Collected: 09/11/19 08:50
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/16/19 15:24	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/16/19 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/16/19 15:24	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 15:24	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/16/19 15:24	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/16/19 15:24	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/16/19 15:24	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/16/19 15:24	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/16/19 15:24	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 15:24	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/16/19 15:24	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/16/19 15:24	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/16/19 15:24	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/16/19 15:24	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/16/19 15:24	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/16/19 15:24	1
Acetone	4.4	U	5.0	4.4	ug/L			09/16/19 15:24	1
Benzene	0.20	U	1.0	0.20	ug/L			09/16/19 15:24	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/16/19 15:24	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/16/19 15:24	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/16/19 15:24	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/16/19 15:24	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/16/19 15:24	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/16/19 15:24	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/16/19 15:24	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/16/19 15:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/16/19 15:24	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/16/19 15:24	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/16/19 15:24	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/16/19 15:24	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/16/19 15:24	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/16/19 15:24	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/16/19 15:24	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/16/19 15:24	1

Client Sample ID: MW-2I 091119
Lab Sample ID: 460-191351-5

Date Collected: 09/11/19 08:50
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/16/19 15:24	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/16/19 15:24	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/16/19 15:24	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/16/19 15:24	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/16/19 15:24	1
Styrene	0.42	U	1.0	0.42	ug/L			09/16/19 15:24	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/16/19 15:24	1
Toluene	0.38	U	1.0	0.38	ug/L			09/16/19 15:24	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/16/19 15:24	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/16/19 15:24	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/16/19 15:24	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/16/19 15:24	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/16/19 15:24	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/16/19 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*		*09/16/19 15:24*	*1*
4-Bromofluorobenzene	*91*		*77 - 124*		*09/16/19 15:24*	*1*
Dibromofluoromethane (Surr)	*101*		*72 - 131*		*09/16/19 15:24*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/16/19 15:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 00:31	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 00:31	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 00:31	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 00:31	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 00:31	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:31	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 00:31	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 00:31	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 00:31	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 00:31	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 00:31	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:31	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 00:31	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 00:31	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 00:31	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 00:31	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 00:31	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 00:31	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 00:31	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 00:31	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 00:31	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 00:31	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:31	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 00:31	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 00:31	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:31	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 00:31	1

Client Sample ID: MW-2I 091119
Lab Sample ID: 460-191351-5

Date Collected: 09/11/19 08:50
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 00:31	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 00:31	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 00:31	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 00:31	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 00:31	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 00:31	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 00:31	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 00:31	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 00:31	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:31	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 00:31	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 00:31	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 00:31	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 00:31	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 00:31	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 00:31	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 00:31	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:31	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 00:31	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 00:31	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 00:31	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 00:31	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 00:31	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/17/19 00:31	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 00:31	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 00:31	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 00:31	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 00:31	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 00:31	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 00:31	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:31	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 00:31	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 00:31	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 00:31	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 00:31	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 00:31	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 00:31	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*26 - 139*	*09/16/19 09:40*	*09/17/19 00:31*	*1*
2-Fluorobiphenyl	*84*		*45 - 107*	*09/16/19 09:40*	*09/17/19 00:31*	*1*
2-Fluorophenol (Surr)	*40*		*25 - 58*	*09/16/19 09:40*	*09/17/19 00:31*	*1*
Nitrobenzene-d5 (Surr)	*91*		*51 - 108*	*09/16/19 09:40*	*09/17/19 00:31*	*1*
Phenol-d5 (Surr)	*27*		*14 - 39*	*09/16/19 09:40*	*09/17/19 00:31*	*1*
Terphenyl-d14 (Surr)	*65*		*40 - 148*	*09/16/19 09:40*	*09/17/19 00:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:16	1

Client Sample ID: MW-46I 091119
Lab Sample ID: 460-191351-6

Date Collected: 09/11/19 10:05
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/16/19 15:49	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/16/19 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/16/19 15:49	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 15:49	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/16/19 15:49	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/16/19 15:49	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/16/19 15:49	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/16/19 15:49	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/16/19 15:49	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 15:49	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/16/19 15:49	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/16/19 15:49	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/16/19 15:49	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/16/19 15:49	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/16/19 15:49	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/16/19 15:49	1
Acetone	**5.7**		5.0	4.4	ug/L			09/16/19 15:49	1
Benzene	**12**		1.0	0.20	ug/L			09/16/19 15:49	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/16/19 15:49	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/16/19 15:49	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/16/19 15:49	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/16/19 15:49	1
Chlorobenzene	**0.71**	**J**	1.0	0.38	ug/L			09/16/19 15:49	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/16/19 15:49	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/16/19 15:49	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/16/19 15:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/16/19 15:49	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/16/19 15:49	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/16/19 15:49	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/16/19 15:49	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/16/19 15:49	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/16/19 15:49	1
Ethylbenzene	**1.1**		1.0	0.30	ug/L			09/16/19 15:49	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/16/19 15:49	1
Isopropylbenzene	**0.56**	**J**	1.0	0.34	ug/L			09/16/19 15:49	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/16/19 15:49	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/16/19 15:49	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/16/19 15:49	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/16/19 15:49	1
Styrene	0.42	U	1.0	0.42	ug/L			09/16/19 15:49	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/16/19 15:49	1
Toluene	**0.40**	**J**	1.0	0.38	ug/L			09/16/19 15:49	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/16/19 15:49	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/16/19 15:49	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/16/19 15:49	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/16/19 15:49	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/16/19 15:49	1
Xylenes, Total	**1.0**	**J**	2.0	0.65	ug/L			09/16/19 15:49	1

Client Sample ID: MW-46I 091119
Lab Sample ID: 460-191351-6

Date Collected: 09/11/19 10:05
Matrix: Water

Date Received: 09/12/19 09:34

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*		*09/16/19 15:49*	*1*
4-Bromofluorobenzene	*94*		*77 - 124*		*09/16/19 15:49*	*1*
Dibromofluoromethane (Surr)	*101*		*72 - 131*		*09/16/19 15:49*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/16/19 15:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**2.3**	**J**	10	1.2	ug/L		09/16/19 09:40	09/17/19 00:52	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 00:52	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 00:52	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 00:52	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 00:52	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:52	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 00:52	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 00:52	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 00:52	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 00:52	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 00:52	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:52	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 00:52	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 00:52	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 00:52	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 00:52	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 00:52	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 00:52	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 00:52	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 00:52	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 00:52	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 00:52	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:52	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 00:52	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 00:52	1
Acenaphthene	**12**		10	1.1	ug/L		09/16/19 09:40	09/17/19 00:52	1
Acenaphthylene	**1.2**	**J**	10	0.82	ug/L		09/16/19 09:40	09/17/19 00:52	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 00:52	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 00:52	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 00:52	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 00:52	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 00:52	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 00:52	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 00:52	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 00:52	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 00:52	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 00:52	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 00:52	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 00:52	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 00:52	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 00:52	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 00:52	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 00:52	1

Client Sample ID: MW-46I 091119
Lab Sample ID: 460-191351-6

Date Collected: 09/11/19 10:05
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 00:52	1
Dibenzofuran	**1.1**	**J**	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:52	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 00:52	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 00:52	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 00:52	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 00:52	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 00:52	1
Fluorene	**4.0**	**J**	10	0.91	ug/L		09/16/19 09:40	09/17/19 00:52	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 00:52	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 00:52	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 00:52	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 00:52	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 00:52	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 00:52	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 00:52	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 00:52	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 00:52	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 00:52	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 00:52	1
Phenanthrene	**2.0**	**J**	10	0.58	ug/L		09/16/19 09:40	09/17/19 00:52	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 00:52	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*110*		*26 - 139*	*09/16/19 09:40*	*09/17/19 00:52*	*1*
2-Fluorobiphenyl	*90*		*45 - 107*	*09/16/19 09:40*	*09/17/19 00:52*	*1*
2-Fluorophenol (Surr)	*42*		*25 - 58*	*09/16/19 09:40*	*09/17/19 00:52*	*1*
Nitrobenzene-d5 (Surr)	*96*		*51 - 108*	*09/16/19 09:40*	*09/17/19 00:52*	*1*
Phenol-d5 (Surr)	*28*		*14 - 39*	*09/16/19 09:40*	*09/17/19 00:52*	*1*
Terphenyl-d14 (Surr)	*69*		*40 - 148*	*09/16/19 09:40*	*09/17/19 00:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:21	1

Client Sample ID: MW-40D 091119
Lab Sample ID: 460-191351-7

Date Collected: 09/11/19 11:45
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/16/19 16:14	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/16/19 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/16/19 16:14	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 16:14	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/16/19 16:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/16/19 16:14	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/16/19 16:14	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/16/19 16:14	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/16/19 16:14	1

Client Sample ID: MW-40D 091119
Lab Sample ID: 460-191351-7

Date Collected: 09/11/19 11:45
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 16:14	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/16/19 16:14	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/16/19 16:14	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/16/19 16:14	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/16/19 16:14	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/16/19 16:14	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/16/19 16:14	1
Acetone	4.4	U	5.0	4.4	ug/L			09/16/19 16:14	1
Benzene	0.20	U	1.0	0.20	ug/L			09/16/19 16:14	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/16/19 16:14	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/16/19 16:14	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/16/19 16:14	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/16/19 16:14	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/16/19 16:14	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/16/19 16:14	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/16/19 16:14	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/16/19 16:14	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/16/19 16:14	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/16/19 16:14	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/16/19 16:14	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/16/19 16:14	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/16/19 16:14	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/16/19 16:14	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/16/19 16:14	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/16/19 16:14	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/16/19 16:14	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/16/19 16:14	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/16/19 16:14	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/16/19 16:14	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/16/19 16:14	1
Styrene	0.42	U	1.0	0.42	ug/L			09/16/19 16:14	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/16/19 16:14	1
Toluene	0.38	U	1.0	0.38	ug/L			09/16/19 16:14	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/16/19 16:14	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/16/19 16:14	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/16/19 16:14	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/16/19 16:14	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/16/19 16:14	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/16/19 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*74 - 132*		*09/16/19 16:14*	*1*
4-Bromofluorobenzene	*92*		*77 - 124*		*09/16/19 16:14*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*09/16/19 16:14*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/16/19 16:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 01:13	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 01:13	1

Client Sample ID: MW-40D 091119
Lab Sample ID: 460-191351-7

Date Collected: 09/11/19 11:45
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 01:13	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 01:13	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 01:13	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:13	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 01:13	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 01:13	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 01:13	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 01:13	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 01:13	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:13	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 01:13	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 01:13	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 01:13	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 01:13	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 01:13	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 01:13	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 01:13	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 01:13	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 01:13	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 01:13	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:13	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 01:13	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 01:13	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:13	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 01:13	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 01:13	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 01:13	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 01:13	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 01:13	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 01:13	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 01:13	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 01:13	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 01:13	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 01:13	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:13	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 01:13	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 01:13	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 01:13	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 01:13	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 01:13	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 01:13	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 01:13	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:13	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 01:13	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 01:13	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 01:13	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 01:13	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 01:13	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/17/19 01:13	1

Client Sample ID: MW-40D 091119
Lab Sample ID: 460-191351-7

Date Collected: 09/11/19 11:45
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 01:13	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 01:13	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 01:13	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 01:13	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 01:13	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 01:13	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:13	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 01:13	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 01:13	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 01:13	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 01:13	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 01:13	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 01:13	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*26 - 139*	*09/16/19 09:40*	*09/17/19 01:13*	*1*
2-Fluorobiphenyl	*84*		*45 - 107*	*09/16/19 09:40*	*09/17/19 01:13*	*1*
2-Fluorophenol (Surr)	*41*		*25 - 58*	*09/16/19 09:40*	*09/17/19 01:13*	*1*
Nitrobenzene-d5 (Surr)	*89*		*51 - 108*	*09/16/19 09:40*	*09/17/19 01:13*	*1*
Phenol-d5 (Surr)	*28*		*14 - 39*	*09/16/19 09:40*	*09/17/19 01:13*	*1*
Terphenyl-d14 (Surr)	*78*		*40 - 148*	*09/16/19 09:40*	*09/17/19 01:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.012**		0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:22	1

Client Sample ID: TW-2S 091119
Lab Sample ID: 460-191351-8

Date Collected: 09/11/19 10:20
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/16/19 17:54	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/16/19 17:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/16/19 17:54	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 17:54	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/16/19 17:54	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/16/19 17:54	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/16/19 17:54	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/16/19 17:54	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/16/19 17:54	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 17:54	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/16/19 17:54	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/16/19 17:54	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/16/19 17:54	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/16/19 17:54	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/16/19 17:54	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/16/19 17:54	1
Acetone	**4.4**	**J**	5.0	4.4	ug/L			09/16/19 17:54	1

Client Sample ID: TW-2S 091119
Date Collected: 09/11/19 10:20
Date Received: 09/12/19 09:34

Lab Sample ID: 460-191351-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**230**		1.0	0.20	ug/L			09/16/19 17:54	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/16/19 17:54	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/16/19 17:54	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/16/19 17:54	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/16/19 17:54	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/16/19 17:54	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/16/19 17:54	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/16/19 17:54	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/16/19 17:54	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/16/19 17:54	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/16/19 17:54	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/16/19 17:54	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/16/19 17:54	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/16/19 17:54	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/16/19 17:54	1
Ethylbenzene	**76**		1.0	0.30	ug/L			09/16/19 17:54	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/16/19 17:54	1
Isopropylbenzene	**2.8**		1.0	0.34	ug/L			09/16/19 17:54	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/16/19 17:54	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/16/19 17:54	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/16/19 17:54	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/16/19 17:54	1
Styrene	0.42	U	1.0	0.42	ug/L			09/16/19 17:54	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/16/19 17:54	1
Toluene	**7.3**		1.0	0.38	ug/L			09/16/19 17:54	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/16/19 17:54	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/16/19 17:54	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/16/19 17:54	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/16/19 17:54	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/16/19 17:54	1
Xylenes, Total	**28**		2.0	0.65	ug/L			09/16/19 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*		*09/16/19 17:54*	*1*
4-Bromofluorobenzene	*96*		*77 - 124*		*09/16/19 17:54*	*1*
Dibromofluoromethane (Surr)	*100*		*72 - 131*		*09/16/19 17:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/16/19 17:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 01:34	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 01:34	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 01:34	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 01:34	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 01:34	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:34	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 01:34	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 01:34	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 01:34	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 01:34	1

Client Sample ID: TW-2S 091119
Lab Sample ID: 460-191351-8

Date Collected: 09/11/19 10:20
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 01:34	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:34	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 01:34	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 01:34	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 01:34	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 01:34	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 01:34	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 01:34	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 01:34	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 01:34	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 01:34	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 01:34	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:34	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 01:34	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 01:34	1
Acenaphthene	**9.1**	**J**	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:34	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 01:34	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 01:34	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 01:34	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 01:34	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 01:34	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 01:34	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 01:34	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 01:34	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 01:34	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 01:34	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:34	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 01:34	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 01:34	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 01:34	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 01:34	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 01:34	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 01:34	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 01:34	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:34	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 01:34	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 01:34	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 01:34	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 01:34	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 01:34	1
Fluorene	**2.5**	**J**	10	0.91	ug/L		09/16/19 09:40	09/17/19 01:34	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 01:34	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 01:34	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 01:34	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 01:34	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 01:34	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 01:34	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:34	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 01:34	1

Client Sample ID: TW-2S 091119
Lab Sample ID: 460-191351-8
Date Collected: 09/11/19 10:20
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 01:34	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 01:34	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 01:34	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 01:34	1
Phenol	**1.2**	**J**	10	0.29	ug/L		09/16/19 09:40	09/17/19 01:34	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*26 - 139*	*09/16/19 09:40*	*09/17/19 01:34*	*1*
2-Fluorobiphenyl	*89*		*45 - 107*	*09/16/19 09:40*	*09/17/19 01:34*	*1*
2-Fluorophenol (Surr)	*44*		*25 - 58*	*09/16/19 09:40*	*09/17/19 01:34*	*1*
Nitrobenzene-d5 (Surr)	*96*		*51 - 108*	*09/16/19 09:40*	*09/17/19 01:34*	*1*
Phenol-d5 (Surr)	*29*		*14 - 39*	*09/16/19 09:40*	*09/17/19 01:34*	*1*
Terphenyl-d14 (Surr)	*81*		*40 - 148*	*09/16/19 09:40*	*09/17/19 01:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:22	1

Client Sample ID: MW-38D 091119
Lab Sample ID: 460-191351-9
Date Collected: 09/11/19 13:05
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/16/19 16:39	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/16/19 16:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/16/19 16:39	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 16:39	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/16/19 16:39	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/16/19 16:39	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/16/19 16:39	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/16/19 16:39	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/16/19 16:39	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 16:39	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/16/19 16:39	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/16/19 16:39	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/16/19 16:39	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/16/19 16:39	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/16/19 16:39	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/16/19 16:39	1
Acetone	4.4	U	5.0	4.4	ug/L			09/16/19 16:39	1
Benzene	0.20	U	1.0	0.20	ug/L			09/16/19 16:39	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/16/19 16:39	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/16/19 16:39	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/16/19 16:39	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/16/19 16:39	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/16/19 16:39	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/16/19 16:39	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/16/19 16:39	1

Client Sample ID: MW-38D 091119
Lab Sample ID: 460-191351-9

Date Collected: 09/11/19 13:05
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.33	U	1.0	0.33	ug/L			09/16/19 16:39	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/16/19 16:39	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/16/19 16:39	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/16/19 16:39	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/16/19 16:39	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/16/19 16:39	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/16/19 16:39	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/16/19 16:39	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/16/19 16:39	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/16/19 16:39	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/16/19 16:39	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/16/19 16:39	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/16/19 16:39	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/16/19 16:39	1
Styrene	0.42	U	1.0	0.42	ug/L			09/16/19 16:39	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/16/19 16:39	1
Toluene	0.38	U	1.0	0.38	ug/L			09/16/19 16:39	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/16/19 16:39	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/16/19 16:39	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/16/19 16:39	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/16/19 16:39	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/16/19 16:39	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/16/19 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*		*09/16/19 16:39*	*1*
4-Bromofluorobenzene	*91*		*77 - 124*		*09/16/19 16:39*	*1*
Dibromofluoromethane (Surr)	*101*		*72 - 131*		*09/16/19 16:39*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/16/19 16:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 01:55	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 01:55	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 01:55	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 01:55	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 01:55	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:55	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 01:55	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 01:55	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 01:55	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 01:55	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 01:55	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:55	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 01:55	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 01:55	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 01:55	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 01:55	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 01:55	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 01:55	1

Client Sample ID: MW-38D 091119
Lab Sample ID: 460-191351-9

Date Collected: 09/11/19 13:05
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 01:55	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 01:55	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 01:55	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 01:55	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:55	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 01:55	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 01:55	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:55	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 01:55	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 01:55	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 01:55	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 01:55	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 01:55	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 01:55	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 01:55	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 01:55	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 01:55	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 01:55	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 01:55	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 01:55	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 01:55	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 01:55	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 01:55	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 01:55	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 01:55	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 01:55	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:55	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 01:55	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 01:55	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 01:55	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 01:55	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 01:55	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/17/19 01:55	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 01:55	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 01:55	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 01:55	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 01:55	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 01:55	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 01:55	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 01:55	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 01:55	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 01:55	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 01:55	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 01:55	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 01:55	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 01:55	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*26 - 139*	*09/16/19 09:40*	*09/17/19 01:55*	*1*

Client Sample ID: MW-38D 091119
Lab Sample ID: 460-191351-9

Date Collected: 09/11/19 13:05
Matrix: Water
Date Received: 09/12/19 09:34

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*45 - 107*	*09/16/19 09:40*	*09/17/19 01:55*	*1*
2-Fluorophenol (Surr)	*38*		*25 - 58*	*09/16/19 09:40*	*09/17/19 01:55*	*1*
Nitrobenzene-d5 (Surr)	*84*		*51 - 108*	*09/16/19 09:40*	*09/17/19 01:55*	*1*
Phenol-d5 (Surr)	*25*		*14 - 39*	*09/16/19 09:40*	*09/17/19 01:55*	*1*
Terphenyl-d14 (Surr)	*76*		*40 - 148*	*09/16/19 09:40*	*09/17/19 01:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:23	1

Client Sample ID: MW-38I 091119
Lab Sample ID: 460-191351-10

Date Collected: 09/11/19 13:05
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/16/19 17:04	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/16/19 17:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/16/19 17:04	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 17:04	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/16/19 17:04	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/16/19 17:04	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/16/19 17:04	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/16/19 17:04	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/16/19 17:04	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 17:04	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/16/19 17:04	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/16/19 17:04	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/16/19 17:04	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/16/19 17:04	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/16/19 17:04	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/16/19 17:04	1
Acetone	4.4	U	5.0	4.4	ug/L			09/16/19 17:04	1
Benzene	0.20	U	1.0	0.20	ug/L			09/16/19 17:04	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/16/19 17:04	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/16/19 17:04	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/16/19 17:04	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/16/19 17:04	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/16/19 17:04	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/16/19 17:04	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/16/19 17:04	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/16/19 17:04	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/16/19 17:04	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/16/19 17:04	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/16/19 17:04	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/16/19 17:04	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/16/19 17:04	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/16/19 17:04	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/16/19 17:04	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/16/19 17:04	1

Client Sample ID: MW-38I 091119
Lab Sample ID: 460-191351-10

Date Collected: 09/11/19 13:05
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/16/19 17:04	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/16/19 17:04	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/16/19 17:04	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/16/19 17:04	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/16/19 17:04	1
Styrene	0.42	U	1.0	0.42	ug/L			09/16/19 17:04	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/16/19 17:04	1
Toluene	0.38	U	1.0	0.38	ug/L			09/16/19 17:04	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/16/19 17:04	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/16/19 17:04	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/16/19 17:04	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/16/19 17:04	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/16/19 17:04	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/16/19 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*		*09/16/19 17:04*	*1*
4-Bromofluorobenzene	*94*		*77 - 124*		*09/16/19 17:04*	*1*
Dibromofluoromethane (Surr)	*101*		*72 - 131*		*09/16/19 17:04*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/16/19 17:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 05:25	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 05:25	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 05:25	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 05:25	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 05:25	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 05:25	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 05:25	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 05:25	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 05:25	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 05:25	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 05:25	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 05:25	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 05:25	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 05:25	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 05:25	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 05:25	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 05:25	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 05:25	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 05:25	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 05:25	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 05:25	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 05:25	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 05:25	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 05:25	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 05:25	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 05:25	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 05:25	1

Client Sample ID: MW-38I 091119
Lab Sample ID: 460-191351-10

Date Collected: 09/11/19 13:05
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 05:25	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 05:25	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 05:25	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 05:25	1
Benzo[a]anthracene	**0.85**	**J**	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 05:25	1
Benzo[a]pyrene	**1.1**		1.0	0.41	ug/L		09/16/19 09:40	09/17/19 05:25	1
Benzo[b]fluoranthene	**1.2**	**J ***	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 05:25	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 05:25	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 05:25	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 05:25	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 05:25	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 05:25	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 05:25	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 05:25	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 05:25	1
Chrysene	**1.1**	**J**	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 05:25	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 05:25	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 05:25	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 05:25	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 05:25	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 05:25	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 05:25	1
Fluoranthene	**0.88**	**J**	10	0.84	ug/L		09/16/19 09:40	09/17/19 05:25	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/17/19 05:25	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 05:25	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 05:25	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 05:25	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 05:25	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 05:25	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 05:25	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 05:25	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 05:25	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 05:25	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 05:25	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 05:25	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 05:25	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 05:25	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*26 - 139*	*09/16/19 09:40*	*09/17/19 05:25*	*1*
2-Fluorobiphenyl	*86*		*45 - 107*	*09/16/19 09:40*	*09/17/19 05:25*	*1*
2-Fluorophenol (Surr)	*41*		*25 - 58*	*09/16/19 09:40*	*09/17/19 05:25*	*1*
Nitrobenzene-d5 (Surr)	*93*		*51 - 108*	*09/16/19 09:40*	*09/17/19 05:25*	*1*
Phenol-d5 (Surr)	*27*		*14 - 39*	*09/16/19 09:40*	*09/17/19 05:25*	*1*
Terphenyl-d14 (Surr)	*76*		*40 - 148*	*09/16/19 09:40*	*09/17/19 05:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:24	1

Client Sample ID: MW-36I 091119
Lab Sample ID: 460-191351-11

Date Collected: 09/11/19 14:35
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/16/19 17:29	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/16/19 17:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/16/19 17:29	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 17:29	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/16/19 17:29	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/16/19 17:29	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/16/19 17:29	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/16/19 17:29	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/16/19 17:29	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 17:29	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/16/19 17:29	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/16/19 17:29	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/16/19 17:29	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/16/19 17:29	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/16/19 17:29	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/16/19 17:29	1
Acetone	4.4	U	5.0	4.4	ug/L			09/16/19 17:29	1
Benzene	0.20	U	1.0	0.20	ug/L			09/16/19 17:29	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/16/19 17:29	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/16/19 17:29	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/16/19 17:29	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/16/19 17:29	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/16/19 17:29	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/16/19 17:29	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/16/19 17:29	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/16/19 17:29	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/16/19 17:29	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/16/19 17:29	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/16/19 17:29	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/16/19 17:29	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/16/19 17:29	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/16/19 17:29	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/16/19 17:29	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/16/19 17:29	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/16/19 17:29	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/16/19 17:29	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/16/19 17:29	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/16/19 17:29	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/16/19 17:29	1
Styrene	0.42	U	1.0	0.42	ug/L			09/16/19 17:29	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/16/19 17:29	1
Toluene	0.38	U	1.0	0.38	ug/L			09/16/19 17:29	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/16/19 17:29	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/16/19 17:29	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/16/19 17:29	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/16/19 17:29	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/16/19 17:29	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/16/19 17:29	1

Client Sample ID: MW-36I 091119
Lab Sample ID: 460-191351-11

Date Collected: 09/11/19 14:35
Matrix: Water

Date Received: 09/12/19 09:34

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*		*09/16/19 17:29*	*1*
4-Bromofluorobenzene	*88*		*77 - 124*		*09/16/19 17:29*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*09/16/19 17:29*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/16/19 17:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 02:16	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 02:16	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 02:16	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 02:16	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 02:16	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 02:16	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 02:16	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 02:16	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 02:16	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 02:16	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 02:16	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 02:16	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 02:16	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 02:16	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 02:16	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 02:16	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 02:16	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 02:16	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 02:16	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 02:16	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 02:16	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 02:16	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 02:16	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 02:16	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 02:16	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 02:16	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 02:16	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 02:16	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 02:16	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 02:16	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 02:16	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 02:16	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 02:16	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 02:16	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 02:16	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 02:16	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 02:16	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 02:16	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 02:16	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 02:16	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 02:16	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 02:16	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 02:16	1

Client Sample ID: MW-36I 091119
Lab Sample ID: 460-191351-11
Date Collected: 09/11/19 14:35
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 02:16	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 02:16	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 02:16	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 02:16	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 02:16	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 02:16	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 02:16	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/17/19 02:16	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 02:16	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 02:16	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 02:16	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 02:16	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 02:16	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 02:16	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 02:16	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 02:16	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 02:16	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 02:16	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 02:16	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 02:16	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 02:16	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*109*		*26 - 139*	*09/16/19 09:40*	*09/17/19 02:16*	*1*
2-Fluorobiphenyl	*92*		*45 - 107*	*09/16/19 09:40*	*09/17/19 02:16*	*1*
2-Fluorophenol (Surr)	*47*		*25 - 58*	*09/16/19 09:40*	*09/17/19 02:16*	*1*
Nitrobenzene-d5 (Surr)	*100*		*51 - 108*	*09/16/19 09:40*	*09/17/19 02:16*	*1*
Phenol-d5 (Surr)	*31*		*14 - 39*	*09/16/19 09:40*	*09/17/19 02:16*	*1*
Terphenyl-d14 (Surr)	*85*		*40 - 148*	*09/16/19 09:40*	*09/17/19 02:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:25	1

Client Sample ID: MW-36D 091119
Lab Sample ID: 460-191351-12
Date Collected: 09/11/19 14:20
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 15:04	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 15:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 15:04	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 15:04	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 15:04	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 15:04	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 15:04	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 15:04	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 15:04	1

Client Sample ID: MW-36D 091119
Lab Sample ID: 460-191351-12

Date Collected: 09/11/19 14:20
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 15:04	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 15:04	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 15:04	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 15:04	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 15:04	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 15:04	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 15:04	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 15:04	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 15:04	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 15:04	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 15:04	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 15:04	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 15:04	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 15:04	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 15:04	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 15:04	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 15:04	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 15:04	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 15:04	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 15:04	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 15:04	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 15:04	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 15:04	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 15:04	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 15:04	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 15:04	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 15:04	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 15:04	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 15:04	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 15:04	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 15:04	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 15:04	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 15:04	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 15:04	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 15:04	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 15:04	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 15:04	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 15:04	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*		*09/17/19 15:04*	*1*
4-Bromofluorobenzene	*92*		*77 - 124*		*09/17/19 15:04*	*1*
Dibromofluoromethane (Surr)	*101*		*72 - 131*		*09/17/19 15:04*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/17/19 15:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 02:37	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 02:37	1

Client Sample ID: MW-36D 091119
Lab Sample ID: 460-191351-12

Date Collected: 09/11/19 14:20
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 02:37	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 02:37	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 02:37	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 02:37	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 02:37	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 02:37	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 02:37	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 02:37	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 02:37	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 02:37	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 02:37	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 02:37	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 02:37	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 02:37	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 02:37	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 02:37	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 02:37	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 02:37	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 02:37	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 02:37	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 02:37	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 02:37	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 02:37	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 02:37	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 02:37	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 02:37	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 02:37	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 02:37	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 02:37	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 02:37	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 02:37	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 02:37	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 02:37	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 02:37	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 02:37	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 02:37	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 02:37	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 02:37	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 02:37	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 02:37	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 02:37	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 02:37	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 02:37	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 02:37	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 02:37	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 02:37	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 02:37	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 02:37	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/17/19 02:37	1

Client Sample ID: MW-36D 091119
Lab Sample ID: 460-191351-12
Date Collected: 09/11/19 14:20
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 02:37	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 02:37	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 02:37	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 02:37	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 02:37	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 02:37	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 02:37	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 02:37	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 02:37	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 02:37	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 02:37	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 02:37	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 02:37	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*115*		*26 - 139*	*09/16/19 09:40*	*09/17/19 02:37*	*1*
2-Fluorobiphenyl	*95*		*45 - 107*	*09/16/19 09:40*	*09/17/19 02:37*	*1*
2-Fluorophenol (Surr)	*45*		*25 - 58*	*09/16/19 09:40*	*09/17/19 02:37*	*1*
Nitrobenzene-d5 (Surr)	*103*		*51 - 108*	*09/16/19 09:40*	*09/17/19 02:37*	*1*
Phenol-d5 (Surr)	*30*		*14 - 39*	*09/16/19 09:40*	*09/17/19 02:37*	*1*
Terphenyl-d14 (Surr)	*96*		*40 - 148*	*09/16/19 09:40*	*09/17/19 02:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U F1	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:26	1

Client Sample ID: MW-17 091119
Lab Sample ID: 460-191351-13
Date Collected: 09/11/19 15:40
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 15:29	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 15:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 15:29	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 15:29	1
1,1-Dichloroethane	**1.0**		1.0	0.26	ug/L			09/17/19 15:29	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 15:29	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 15:29	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 15:29	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 15:29	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 15:29	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 15:29	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 15:29	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 15:29	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 15:29	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 15:29	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 15:29	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 15:29	1

Client Sample ID: MW-17 091119
Lab Sample ID: 460-191351-13

Date Collected: 09/11/19 15:40
Matrix: Water

Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 15:29	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 15:29	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 15:29	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 15:29	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 15:29	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 15:29	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 15:29	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 15:29	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 15:29	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 15:29	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 15:29	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 15:29	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 15:29	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 15:29	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 15:29	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 15:29	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 15:29	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 15:29	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 15:29	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 15:29	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 15:29	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 15:29	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 15:29	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 15:29	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 15:29	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 15:29	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 15:29	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 15:29	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 15:29	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 15:29	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*		*09/17/19 15:29*	*1*
4-Bromofluorobenzene	*93*		*77 - 124*		*09/17/19 15:29*	*1*
Dibromofluoromethane (Surr)	*103*		*72 - 131*		*09/17/19 15:29*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/17/19 15:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 05:46	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 05:46	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/17/19 05:46	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/17/19 05:46	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/17/19 05:46	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 05:46	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/17/19 05:46	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/17/19 05:46	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/17/19 05:46	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/17/19 05:46	1

Client Sample ID: MW-17 091119
Lab Sample ID: 460-191351-13

Date Collected: 09/11/19 15:40
Matrix: Water

Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/17/19 05:46	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 05:46	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/17/19 05:46	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/17/19 05:46	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 05:46	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/17/19 05:46	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/17/19 05:46	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/17/19 05:46	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/17/19 05:46	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 05:46	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/17/19 05:46	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/17/19 05:46	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 05:46	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/17/19 05:46	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/17/19 05:46	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 05:46	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/17/19 05:46	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/17/19 05:46	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/17/19 05:46	1
Atrazine	1.3	U *	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 05:46	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/17/19 05:46	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/17/19 05:46	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/17/19 05:46	1
Benzo[b]fluoranthene	1.1	U *	2.0	1.1	ug/L		09/16/19 09:40	09/17/19 05:46	1
Benzo[g,h,i]perylene	1.4	U *	10	1.4	ug/L		09/16/19 09:40	09/17/19 05:46	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/17/19 05:46	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/17/19 05:46	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/17/19 05:46	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/17/19 05:46	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/17/19 05:46	1
Caprolactam	0.68	U *	10	0.68	ug/L		09/16/19 09:40	09/17/19 05:46	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/17/19 05:46	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/17/19 05:46	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/17/19 05:46	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 05:46	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/17/19 05:46	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/17/19 05:46	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 05:46	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/17/19 05:46	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/17/19 05:46	1
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/17/19 05:46	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/17/19 05:46	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/17/19 05:46	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/17/19 05:46	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/17/19 05:46	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/17/19 05:46	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/17/19 05:46	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/17/19 05:46	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/17/19 05:46	1

Client Sample ID: MW-17 091119
Lab Sample ID: 460-191351-13

Date Collected: 09/11/19 15:40
Matrix: Water
Date Received: 09/12/19 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/17/19 05:46	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/17/19 05:46	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/17/19 05:46	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/17/19 05:46	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/17/19 05:46	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/17/19 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*26 - 139*	*09/16/19 09:40*	*09/17/19 05:46*	*1*
2-Fluorobiphenyl	*87*		*45 - 107*	*09/16/19 09:40*	*09/17/19 05:46*	*1*
2-Fluorophenol (Surr)	*43*		*25 - 58*	*09/16/19 09:40*	*09/17/19 05:46*	*1*
Nitrobenzene-d5 (Surr)	*97*		*51 - 108*	*09/16/19 09:40*	*09/17/19 05:46*	*1*
Phenol-d5 (Surr)	*29*		*14 - 39*	*09/16/19 09:40*	*09/17/19 05:46*	*1*
Terphenyl-d14 (Surr)	*59*		*40 - 148*	*09/16/19 09:40*	*09/17/19 05:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.12**		0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:29	1

Client Sample ID: TB
Lab Sample ID: 460-191351-14

Date Collected: 09/11/19 15:40
Matrix: Water
Date Received: 09/12/19 09:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 11:16	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 11:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 11:16	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 11:16	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 11:16	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 11:16	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 11:16	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 11:16	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 11:16	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 11:16	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 11:16	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 11:16	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 11:16	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 11:16	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 11:16	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 11:16	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 11:16	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 11:16	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 11:16	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 11:16	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 11:16	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 11:16	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 11:16	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 11:16	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 11:16	1

Client Sample ID: TB
Date Collected: 09/11/19 15:40
Date Received: 09/12/19 09:34

Lab Sample ID: 460-191351-14
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 11:16	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 11:16	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 11:16	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 11:16	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 11:16	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 11:16	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 11:16	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 11:16	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 11:16	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 11:16	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 11:16	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 11:16	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 11:16	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 11:16	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 11:16	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 11:16	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 11:16	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 11:16	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 11:16	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 11:16	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 11:16	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 11:16	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*09/17/19 11:16*	*1*
4-Bromofluorobenzene	*90*		*77 - 124*		*09/17/19 11:16*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*09/17/19 11:16*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/17/19 11:16*	*1*

Surrogate Summary

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
460-191351-1	MW-171 091119	100	91	99	95
460-191351-2	MW-17D 091019	99	94	102	94
460-191351-2 MS	MW-17D 091019	97	98	99	93
460-191351-2 MSD	MW-17D 091019	93	100	99	95
460-191351-3	DUP	97	93	102	93
460-191351-4	MW-2 091119	98	93	101	95
460-191351-5	MW-2I 091119	99	91	101	94
460-191351-6	MW-46I 091119	99	94	101	96
460-191351-7	MW-40D 091119	101	92	102	94
460-191351-8	TW-2S 091119	98	96	100	96
460-191351-9	MW-38D 091119	102	91	101	97
460-191351-10	MW-38I 091119	102	94	101	96
460-191351-11	MW-36I 091119	102	88	102	96
460-191351-12	MW-36D 091119	97	92	101	95
460-191351-13	MW-17 091119	98	93	103	95
460-191351-14	TB	95	90	98	94
LCS 460-639562/3	Lab Control Sample	92	97	97	94
LCS 460-639801/4	Lab Control Sample	98	97	98	94
LCSD 460-639562/4	Lab Control Sample Dup	96	95	97	96
LCSD 460-639801/5	Lab Control Sample Dup	97	97	97	95
MB 460-639562/8	Method Blank	96	90	98	94
MB 460-639801/8	Method Blank	97	90	98	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(26-139)	(45-107)	(25-58)	(51-108)	(14-39)	(40-148)
460-191351-1	MW-171 091119	112	93	43	99	29	85
460-191351-2	MW-17D 091019	94	83	40	92	27	91
460-191351-2 MS	MW-17D 091019	115	97	44	100	29	96
460-191351-2 MSD	MW-17D 091019	117	96	43	99	29	91
460-191351-3	DUP	105	87	40	94	27	82
460-191351-4	MW-2 091119	104	89	44	97	29	76
460-191351-5	MW-2I 091119	106	84	40	91	27	65
460-191351-6	MW-46I 091119	110	90	42	96	28	69
460-191351-7	MW-40D 091119	102	84	41	89	28	78
460-191351-8	TW-2S 091119	112	89	44	96	29	81
460-191351-9	MW-38D 091119	89	78	38	84	25	76
460-191351-10	MW-38I 091119	108	86	41	93	27	76
460-191351-11	MW-36I 091119	109	92	47	100	31	85
460-191351-12	MW-36D 091119	115	95	45	103	30	96
460-191351-13	MW-17 091119	112	87	43	97	29	59

Surrogate Summary

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (26-139)	FBP (45-107)	2FP (25-58)	NBZ (51-108)	PHL (14-39)	TPHL (40-148)		
LCS 460-639610/2-A	Lab Control Sample	102	82	47	90	33	89		
LCS 460-639610/4-A	Lab Control Sample	107	91	46	98	31	99		
LCS 460-639875/2-A	Lab Control Sample	98	89	55	91	38	99		
LCS 460-639875/4-A	Lab Control Sample	90	88	52	94	36	101		
LCSD 460-639610/3-A	Lab Control Sample Dup	101	82	46	90	33	87		
LCSD 460-639610/5-A	Lab Control Sample Dup	97	82	42	87	29	91		
LCSD 460-639875/3-A	Lab Control Sample Dup	100	91	56	95	38	115		
LCSD 460-639875/5-A	Lab Control Sample Dup	91	88	50	96	34	90		
MB 460-639610/1-A	Method Blank	105	88	47	91	33	96		
MB 460-639875/1-A	Method Blank	86	81	50	93	34	88		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-639562/8
Matrix: Water
Analysis Batch: 639562

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/16/19 09:59	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/16/19 09:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/16/19 09:59	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 09:59	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/16/19 09:59	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/16/19 09:59	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/16/19 09:59	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/16/19 09:59	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/16/19 09:59	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/16/19 09:59	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/16/19 09:59	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/16/19 09:59	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/16/19 09:59	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/16/19 09:59	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/16/19 09:59	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/16/19 09:59	1
Acetone	4.4	U	5.0	4.4	ug/L			09/16/19 09:59	1
Benzene	0.20	U	1.0	0.20	ug/L			09/16/19 09:59	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/16/19 09:59	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/16/19 09:59	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/16/19 09:59	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/16/19 09:59	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/16/19 09:59	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/16/19 09:59	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/16/19 09:59	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/16/19 09:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/16/19 09:59	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/16/19 09:59	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/16/19 09:59	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/16/19 09:59	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/16/19 09:59	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/16/19 09:59	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/16/19 09:59	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/16/19 09:59	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/16/19 09:59	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/16/19 09:59	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/16/19 09:59	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/16/19 09:59	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/16/19 09:59	1
Styrene	0.42	U	1.0	0.42	ug/L			09/16/19 09:59	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/16/19 09:59	1
Toluene	0.38	U	1.0	0.38	ug/L			09/16/19 09:59	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/16/19 09:59	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/16/19 09:59	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/16/19 09:59	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/16/19 09:59	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/16/19 09:59	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/16/19 09:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-639562/8
Matrix: Water
Analysis Batch: 639562

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*96*		*74 - 132*		*09/16/19 09:59*	*1*
4-Bromofluorobenzene	*90*		*77 - 124*		*09/16/19 09:59*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*09/16/19 09:59*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/16/19 09:59*	*1*

Lab Sample ID: LCS 460-639562/3
Matrix: Water
Analysis Batch: 639562

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.4		ug/L		97	75 - 125
1,1,2,2-Tetrachloroethane	20.0	22.8		ug/L		114	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.8		ug/L		89	59 - 150
1,1,2-Trichloroethane	20.0	21.1		ug/L		106	78 - 120
1,1-Dichloroethane	20.0	20.0		ug/L		100	77 - 123
1,1-Dichloroethene	20.0	18.9		ug/L		95	74 - 123
1,2,4-Trichlorobenzene	20.0	22.7		ug/L		114	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	23.6		ug/L		118	55 - 134
1,2-Dichlorobenzene	20.0	22.8		ug/L		114	80 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		100	76 - 121
1,2-Dichloropropane	20.0	21.1		ug/L		105	77 - 123
1,3-Dichlorobenzene	20.0	21.9		ug/L		110	80 - 120
1,4-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 120
2-Butanone (MEK)	100	94.1		ug/L		94	64 - 120
2-Hexanone	100	112		ug/L		112	71 - 125
4-Methyl-2-pentanone (MIBK)	100	111		ug/L		111	78 - 124
Acetone	100	97.9		ug/L		98	39 - 150
Benzene	20.0	21.0		ug/L		105	77 - 121
Bromoform	20.0	21.2		ug/L		106	53 - 120
Bromomethane	20.0	18.6		ug/L		93	10 - 150
Carbon disulfide	20.0	18.9		ug/L		95	69 - 133
Carbon tetrachloride	20.0	18.3		ug/L		92	70 - 132
Chlorobenzene	20.0	20.4		ug/L		102	80 - 120
Chlorodibromomethane	20.0	20.4		ug/L		102	73 - 120
Chloroethane	20.0	23.3		ug/L		116	52 - 150
Chloroform	20.0	21.2		ug/L		106	80 - 120
Chloromethane	20.0	20.6		ug/L		103	56 - 131
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 120
cis-1,3-Dichloropropene	20.0	21.5		ug/L		108	77 - 120
Cyclohexane	20.0	17.1		ug/L		86	56 - 150
Dichlorobromomethane	20.0	20.8		ug/L		104	76 - 120
Dichlorodifluoromethane	20.0	16.6		ug/L		83	50 - 131
Ethylbenzene	20.0	20.9		ug/L		105	80 - 120
Ethylene Dibromide	20.0	20.6		ug/L		103	80 - 120
Isopropylbenzene	20.0	21.4		ug/L		107	80 - 123
Methyl acetate	40.0	39.3		ug/L		98	66 - 144
Methyl tert-butyl ether	20.0	21.3		ug/L		106	79 - 122
Methylcyclohexane	20.0	16.7		ug/L		83	61 - 145

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-639562/3
Matrix: Water
Analysis Batch: 639562

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			20.0	19.6		ug/L		98	77 - 123		
Styrene			20.0	20.6		ug/L		103	80 - 120		
Tetrachloroethene			20.0	19.8		ug/L		99	78 - 122		
Toluene			20.0	20.4		ug/L		102	80 - 120		
trans-1,2-Dichloroethene			20.0	19.9		ug/L		100	79 - 120		
trans-1,3-Dichloropropene			20.0	22.0		ug/L		110	76 - 120		
Trichloroethene			20.0	19.7		ug/L		99	77 - 120		
Trichlorofluoromethane			20.0	21.2		ug/L		106	71 - 143		
Vinyl chloride			20.0	21.3		ug/L		106	62 - 138		
Xylenes, Total			40.0	40.3		ug/L		101	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*74 - 132*
4-Bromofluorobenzene	*97*		*77 - 124*
Dibromofluoromethane (Surr)	*97*		*72 - 131*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 460-639562/4
Matrix: Water
Analysis Batch: 639562

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	21.3		ug/L		107	75 - 125	9	30
1,1,2,2-Tetrachloroethane			20.0	22.3		ug/L		111	74 - 120	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	17.9		ug/L		89	59 - 150	0	30
1,1,2-Trichloroethane			20.0	21.5		ug/L		108	78 - 120	2	30
1,1-Dichloroethane			20.0	22.2		ug/L		111	77 - 123	10	30
1,1-Dichloroethene			20.0	21.8		ug/L		109	74 - 123	14	30
1,2,4-Trichlorobenzene			20.0	23.0		ug/L		115	80 - 124	1	30
1,2-Dibromo-3-Chloropropane			20.0	22.3		ug/L		111	55 - 134	6	30
1,2-Dichlorobenzene			20.0	22.8		ug/L		114	80 - 120	0	30
1,2-Dichloroethane			20.0	21.1		ug/L		105	76 - 121	6	30
1,2-Dichloropropane			20.0	22.1		ug/L		110	77 - 123	5	30
1,3-Dichlorobenzene			20.0	22.8		ug/L		114	80 - 120	4	30
1,4-Dichlorobenzene			20.0	22.2		ug/L		111	80 - 120	2	30
2-Butanone (MEK)			100	97.5		ug/L		98	64 - 120	4	30
2-Hexanone			100	113		ug/L		113	71 - 125	1	30
4-Methyl-2-pentanone (MIBK)			100	111		ug/L		111	78 - 124	0	30
Acetone			100	102		ug/L		102	39 - 150	4	30
Benzene			20.0	22.2		ug/L		111	77 - 121	6	30
Bromoform			20.0	20.5		ug/L		102	53 - 120	3	30
Bromomethane			20.0	19.7		ug/L		98	10 - 150	6	30
Carbon disulfide			20.0	21.1		ug/L		105	69 - 133	11	30
Carbon tetrachloride			20.0	20.0		ug/L		100	70 - 132	9	30
Chlorobenzene			20.0	21.7		ug/L		108	80 - 120	6	30
Chlorodibromomethane			20.0	20.8		ug/L		104	73 - 120	2	30
Chloroethane			20.0	25.3		ug/L		127	52 - 150	9	30
Chloroform			20.0	22.5		ug/L		113	80 - 120	6	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-639562/4
Matrix: Water
Analysis Batch: 639562

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			20.0	22.4		ug/L		112	56 - 131	9	30
cis-1,2-Dichloroethene			20.0	22.5		ug/L		113	80 - 120	9	30
cis-1,3-Dichloropropene			20.0	22.3		ug/L		111	77 - 120	4	30
Cyclohexane			20.0	19.0		ug/L		95	56 - 150	10	30
Dichlorobromomethane			20.0	21.5		ug/L		108	76 - 120	3	30
Dichlorodifluoromethane			20.0	17.4		ug/L		87	50 - 131	5	30
Ethylbenzene			20.0	22.2		ug/L		111	80 - 120	6	30
Ethylene Dibromide			20.0	21.1		ug/L		105	80 - 120	2	30
Isopropylbenzene			20.0	22.9		ug/L		114	80 - 123	7	30
Methyl acetate			40.0	39.5		ug/L		99	66 - 144	0	30
Methyl tert-butyl ether			20.0	22.3		ug/L		112	79 - 122	5	30
Methylcyclohexane			20.0	17.6		ug/L		88	61 - 145	6	30
Methylene Chloride			20.0	20.3		ug/L		101	77 - 123	4	30
Styrene			20.0	21.7		ug/L		109	80 - 120	5	30
Tetrachloroethene			20.0	21.4		ug/L		107	78 - 122	8	30
Toluene			20.0	21.9		ug/L		109	80 - 120	7	30
trans-1,2-Dichloroethene			20.0	22.3		ug/L		111	79 - 120	11	30
trans-1,3-Dichloropropene			20.0	22.2		ug/L		111	76 - 120	1	30
Trichloroethene			20.0	21.6		ug/L		108	77 - 120	9	30
Trichlorofluoromethane			20.0	23.2		ug/L		116	71 - 143	9	30
Vinyl chloride			20.0	24.5		ug/L		122	62 - 138	14	30
Xylenes, Total			40.0	43.0		ug/L		107	80 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*74 - 132*
4-Bromofluorobenzene	*95*		*77 - 124*
Dibromofluoromethane (Surr)	*97*		*72 - 131*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 460-639801/8
Matrix: Water
Analysis Batch: 639801

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			09/17/19 10:51	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			09/17/19 10:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			09/17/19 10:51	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 10:51	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			09/17/19 10:51	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/17/19 10:51	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			09/17/19 10:51	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			09/17/19 10:51	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			09/17/19 10:51	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			09/17/19 10:51	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			09/17/19 10:51	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			09/17/19 10:51	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			09/17/19 10:51	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			09/17/19 10:51	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-639801/8
Matrix: Water
Analysis Batch: 639801

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	1.1	U	5.0	1.1	ug/L			09/17/19 10:51	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			09/17/19 10:51	1
Acetone	4.4	U	5.0	4.4	ug/L			09/17/19 10:51	1
Benzene	0.20	U	1.0	0.20	ug/L			09/17/19 10:51	1
Bromoform	0.54	U	1.0	0.54	ug/L			09/17/19 10:51	1
Bromomethane	0.55	U	1.0	0.55	ug/L			09/17/19 10:51	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			09/17/19 10:51	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			09/17/19 10:51	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			09/17/19 10:51	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			09/17/19 10:51	1
Chloroethane	0.32	U	1.0	0.32	ug/L			09/17/19 10:51	1
Chloroform	0.33	U	1.0	0.33	ug/L			09/17/19 10:51	1
Chloromethane	0.40	U	1.0	0.40	ug/L			09/17/19 10:51	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			09/17/19 10:51	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			09/17/19 10:51	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			09/17/19 10:51	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			09/17/19 10:51	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			09/17/19 10:51	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/17/19 10:51	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/17/19 10:51	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			09/17/19 10:51	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			09/17/19 10:51	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			09/17/19 10:51	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			09/17/19 10:51	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			09/17/19 10:51	1
Styrene	0.42	U	1.0	0.42	ug/L			09/17/19 10:51	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			09/17/19 10:51	1
Toluene	0.38	U	1.0	0.38	ug/L			09/17/19 10:51	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			09/17/19 10:51	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			09/17/19 10:51	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			09/17/19 10:51	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			09/17/19 10:51	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			09/17/19 10:51	1
Xylenes, Total	0.65	U	2.0	0.65	ug/L			09/17/19 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*		*09/17/19 10:51*	*1*
4-Bromofluorobenzene	*90*		*77 - 124*		*09/17/19 10:51*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*09/17/19 10:51*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/17/19 10:51*	*1*

Lab Sample ID: LCS 460-639801/4
Matrix: Water
Analysis Batch: 639801

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.1		ug/L		101	75 - 125
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		106	74 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-639801/4
Matrix: Water
Analysis Batch: 639801

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.7		ug/L		94	59 - 150
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	78 - 120
1,1-Dichloroethane	20.0	23.7		ug/L		118	77 - 123
1,1-Dichloroethene	20.0	21.5		ug/L		108	74 - 123
1,2,4-Trichlorobenzene	20.0	22.6		ug/L		113	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	23.1		ug/L		115	55 - 134
1,2-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		100	76 - 121
1,2-Dichloropropane	20.0	21.0		ug/L		105	77 - 123
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
2-Butanone (MEK)	100	96.8		ug/L		97	64 - 120
2-Hexanone	100	107		ug/L		107	71 - 125
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	78 - 124
Acetone	100	119		ug/L		119	39 - 150
Benzene	20.0	20.8		ug/L		104	77 - 121
Bromoform	20.0	20.6		ug/L		103	53 - 120
Bromomethane	20.0	16.6		ug/L		83	10 - 150
Carbon disulfide	20.0	21.1		ug/L		105	69 - 133
Carbon tetrachloride	20.0	19.1		ug/L		96	70 - 132
Chlorobenzene	20.0	20.7		ug/L		104	80 - 120
Chlorodibromomethane	20.0	19.6		ug/L		98	73 - 120
Chloroethane	20.0	25.6		ug/L		128	52 - 150
Chloroform	20.0	21.9		ug/L		110	80 - 120
Chloromethane	20.0	22.7		ug/L		113	56 - 131
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	80 - 120
cis-1,3-Dichloropropene	20.0	21.7		ug/L		109	77 - 120
Cyclohexane	20.0	18.1		ug/L		90	56 - 150
Dichlorobromomethane	20.0	20.4		ug/L		102	76 - 120
Dichlorodifluoromethane	20.0	11.6		ug/L		58	50 - 131
Ethylbenzene	20.0	21.3		ug/L		107	80 - 120
Ethylene Dibromide	20.0	20.5		ug/L		103	80 - 120
Isopropylbenzene	20.0	21.8		ug/L		109	80 - 123
Methyl acetate	40.0	37.5		ug/L		94	66 - 144
Methyl tert-butyl ether	20.0	24.2		ug/L		121	79 - 122
Methylcyclohexane	20.0	17.4		ug/L		87	61 - 145
Methylene Chloride	20.0	22.1		ug/L		110	77 - 123
Styrene	20.0	20.8		ug/L		104	80 - 120
Tetrachloroethene	20.0	20.8		ug/L		104	78 - 122
Toluene	20.0	20.5		ug/L		102	80 - 120
trans-1,2-Dichloroethene	20.0	23.3		ug/L		117	79 - 120
trans-1,3-Dichloropropene	20.0	21.3		ug/L		107	76 - 120
Trichloroethene	20.0	20.8		ug/L		104	77 - 120
Trichlorofluoromethane	20.0	20.2		ug/L		101	71 - 143
Vinyl chloride	20.0	25.3		ug/L		127	62 - 138
Xylenes, Total	40.0	41.0		ug/L		102	80 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-639801/4
Matrix: Water
Analysis Batch: 639801

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*
4-Bromofluorobenzene	*97*		*77 - 124*
Dibromofluoromethane (Surr)	*98*		*72 - 131*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 460-639801/5
Matrix: Water
Analysis Batch: 639801

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	20.3		ug/L		102	75 - 125	1	30
1,1,2,2-Tetrachloroethane			20.0	21.6		ug/L		108	74 - 120	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	17.7		ug/L		88	59 - 150	6	30
1,1,2-Trichloroethane			20.0	20.9		ug/L		105	78 - 120	1	30
1,1-Dichloroethane			20.0	24.1		ug/L		121	77 - 123	2	30
1,1-Dichloroethene			20.0	20.3		ug/L		102	74 - 123	6	30
1,2,4-Trichlorobenzene			20.0	23.0		ug/L		115	80 - 124	2	30
1,2-Dibromo-3-Chloropropane			20.0	24.3		ug/L		121	55 - 134	5	30
1,2-Dichlorobenzene			20.0	22.2		ug/L		111	80 - 120	2	30
1,2-Dichloroethane			20.0	20.2		ug/L		101	76 - 121	2	30
1,2-Dichloropropane			20.0	21.5		ug/L		108	77 - 123	3	30
1,3-Dichlorobenzene			20.0	22.4		ug/L		112	80 - 120	3	30
1,4-Dichlorobenzene			20.0	21.9		ug/L		109	80 - 120	2	30
2-Butanone (MEK)			100	95.4		ug/L		95	64 - 120	1	30
2-Hexanone			100	110		ug/L		110	71 - 125	3	30
4-Methyl-2-pentanone (MIBK)			100	106		ug/L		106	78 - 124	3	30
Acetone			100	118		ug/L		118	39 - 150	1	30
Benzene			20.0	21.3		ug/L		106	77 - 121	2	30
Bromoform			20.0	21.3		ug/L		107	53 - 120	3	30
Bromomethane			20.0	18.5		ug/L		92	10 - 150	10	30
Carbon disulfide			20.0	20.7		ug/L		104	69 - 133	2	30
Carbon tetrachloride			20.0	19.1		ug/L		95	70 - 132	0	30
Chlorobenzene			20.0	20.8		ug/L		104	80 - 120	0	30
Chlorodibromomethane			20.0	19.6		ug/L		98	73 - 120	0	30
Chloroethane			20.0	23.5		ug/L		118	52 - 150	8	30
Chloroform			20.0	21.5		ug/L		108	80 - 120	2	30
Chloromethane			20.0	21.0		ug/L		105	56 - 131	8	30
cis-1,2-Dichloroethene			20.0	21.6		ug/L		108	80 - 120	1	30
cis-1,3-Dichloropropene			20.0	22.0		ug/L		110	77 - 120	1	30
Cyclohexane			20.0	17.7		ug/L		88	56 - 150	2	30
Dichlorobromomethane			20.0	20.4		ug/L		102	76 - 120	0	30
Dichlorodifluoromethane			20.0	11.1		ug/L		55	50 - 131	5	30
Ethylbenzene			20.0	21.3		ug/L		107	80 - 120	0	30
Ethylene Dibromide			20.0	20.6		ug/L		103	80 - 120	0	30
Isopropylbenzene			20.0	21.9		ug/L		110	80 - 123	0	30
Methyl acetate			40.0	37.4		ug/L		93	66 - 144	0	30
Methyl tert-butyl ether			20.0	24.0		ug/L		120	79 - 122	1	30
Methylcyclohexane			20.0	16.6		ug/L		83	61 - 145	5	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-639801/5
Matrix: Water
Analysis Batch: 639801

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride			20.0	22.1		ug/L		111	77 - 123	0	30
Styrene			20.0	20.6		ug/L		103	80 - 120	1	30
Tetrachloroethene			20.0	20.6		ug/L		103	78 - 122	1	30
Toluene			20.0	21.0		ug/L		105	80 - 120	2	30
trans-1,2-Dichloroethene			20.0	23.0		ug/L		115	79 - 120	2	30
trans-1,3-Dichloropropene			20.0	21.7		ug/L		109	76 - 120	2	30
Trichloroethene			20.0	20.9		ug/L		105	77 - 120	1	30
Trichlorofluoromethane			20.0	19.1		ug/L		96	71 - 143	5	30
Vinyl chloride			20.0	24.1		ug/L		120	62 - 138	5	30
Xylenes, Total			40.0	41.8		ug/L		104	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*
4-Bromofluorobenzene	*97*		*77 - 124*
Dibromofluoromethane (Surr)	*97*		*72 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 460-191351-2 MS
Matrix: Water
Analysis Batch: 639801

Client Sample ID: MW-17D 091019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.24	U	20.0	18.7		ug/L		94	75 - 125
1,1,2,2-Tetrachloroethane	0.37	U	20.0	21.0		ug/L		105	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	16.2		ug/L		81	59 - 150
1,1,2-Trichloroethane	0.43	U	20.0	20.2		ug/L		101	78 - 120
1,1-Dichloroethane	0.26	U F1	20.0	22.5		ug/L		112	77 - 123
1,1-Dichloroethene	0.26	U	20.0	19.1		ug/L		95	74 - 123
1,2,4-Trichlorobenzene	0.37	U	20.0	19.7		ug/L		99	80 - 124
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	21.7		ug/L		109	55 - 134
1,2-Dichlorobenzene	0.43	U	20.0	20.6		ug/L		103	80 - 120
1,2-Dichloroethane	0.43	U	20.0	18.8		ug/L		94	76 - 121
1,2-Dichloropropane	0.35	U	20.0	19.8		ug/L		99	77 - 123
1,3-Dichlorobenzene	0.34	U	20.0	20.2		ug/L		101	80 - 120
1,4-Dichlorobenzene	0.33	U	20.0	19.8		ug/L		99	80 - 120
2-Butanone (MEK)	1.9	U	100	90.5		ug/L		91	64 - 120
2-Hexanone	1.1	U	100	100		ug/L		100	71 - 125
4-Methyl-2-pentanone (MIBK)	1.3	U	100	98.4		ug/L		98	78 - 124
Acetone	4.4	U	100	107		ug/L		107	39 - 150
Benzene	0.20	U	20.0	19.3		ug/L		97	77 - 121
Bromoform	0.54	U	20.0	20.8		ug/L		104	53 - 120
Bromomethane	0.55	U F2	20.0	13.2		ug/L		66	10 - 150
Carbon disulfide	0.82	U	20.0	18.6		ug/L		93	69 - 133
Carbon tetrachloride	0.21	U	20.0	17.6		ug/L		88	70 - 132
Chlorobenzene	0.38	U	20.0	19.4		ug/L		97	80 - 120
Chlorodibromomethane	0.28	U	20.0	18.9		ug/L		95	73 - 120
Chloroethane	0.32	U	20.0	20.7		ug/L		104	52 - 150
Chloroform	0.33	U	20.0	20.3		ug/L		102	80 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-191351-2 MS
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	0.40	U	20.0	18.8		ug/L		94	56 - 131
cis-1,2-Dichloroethene	0.22	U	20.0	20.2		ug/L		101	80 - 120
cis-1,3-Dichloropropene	0.22	U	20.0	18.2		ug/L		91	77 - 120
Cyclohexane	0.32	U	20.0	14.7		ug/L		74	56 - 150
Dichlorobromomethane	0.34	U	20.0	19.5		ug/L		98	76 - 120
Dichlorodifluoromethane	0.31	U	20.0	14.9		ug/L		75	50 - 131
Ethylbenzene	0.30	U	20.0	19.5		ug/L		98	80 - 120
Ethylene Dibromide	0.50	U	20.0	19.3		ug/L		97	80 - 120
Isopropylbenzene	0.34	U	20.0	19.6		ug/L		98	80 - 123
Methyl acetate	0.79	U	40.0	32.4		ug/L		81	66 - 144
Methyl tert-butyl ether	0.47	U	20.0	22.1		ug/L		110	79 - 122
Methylcyclohexane	0.26	U	20.0	14.2		ug/L		71	61 - 145
Methylene Chloride	0.32	U	20.0	20.2		ug/L		101	77 - 123
Styrene	0.42	U	20.0	18.6		ug/L		93	80 - 120
Tetrachloroethene	0.25	U	20.0	18.8		ug/L		94	78 - 122
Toluene	0.38	U	20.0	19.0		ug/L		95	80 - 120
trans-1,2-Dichloroethene	0.24	U	20.0	21.1		ug/L		106	79 - 120
trans-1,3-Dichloropropene	0.49	U	20.0	18.7		ug/L		94	76 - 120
Trichloroethene	0.31	U	20.0	20.4		ug/L		102	77 - 120
Trichlorofluoromethane	0.32	U	20.0	21.0		ug/L		105	71 - 143
Vinyl chloride	0.17	U	20.0	23.0		ug/L		115	62 - 138
Xylenes, Total	0.65	U	40.0	37.3		ug/L		93	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*
4-Bromofluorobenzene	*98*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 460-191351-2 MSD
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.24	U	20.0	20.8		ug/L		104	75 - 125	10	30
1,1,2,2-Tetrachloroethane	0.37	U	20.0	22.3		ug/L		111	74 - 120	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	17.1		ug/L		85	59 - 150	5	30
1,1,2-Trichloroethane	0.43	U	20.0	21.9		ug/L		109	78 - 120	8	30
1,1-Dichloroethane	0.26	U F1	20.0	24.7	F1	ug/L		124	77 - 123	10	30
1,1-Dichloroethene	0.26	U	20.0	21.5		ug/L		108	74 - 123	12	30
1,2,4-Trichlorobenzene	0.37	U	20.0	22.2		ug/L		111	80 - 124	12	30
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	22.7		ug/L		114	55 - 134	5	30
1,2-Dichlorobenzene	0.43	U	20.0	22.5		ug/L		113	80 - 120	9	30
1,2-Dichloroethane	0.43	U	20.0	20.8		ug/L		104	76 - 121	10	30
1,2-Dichloropropane	0.35	U	20.0	22.0		ug/L		110	77 - 123	10	30
1,3-Dichlorobenzene	0.34	U	20.0	22.0		ug/L		110	80 - 120	9	30
1,4-Dichlorobenzene	0.33	U	20.0	22.2		ug/L		111	80 - 120	11	30
2-Butanone (MEK)	1.9	U	100	103		ug/L		103	64 - 120	13	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-191351-2 MSD
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone	1.1	U	100	114		ug/L		114	71 - 125	13	30
4-Methyl-2-pentanone (MIBK)	1.3	U	100	112		ug/L		112	78 - 124	13	30
Acetone	4.4	U	100	117		ug/L		117	39 - 150	9	30
Benzene	0.20	U	20.0	21.9		ug/L		110	77 - 121	12	30
Bromoform	0.54	U	20.0	22.1		ug/L		110	53 - 120	6	30
Bromomethane	0.55	U F2	20.0	17.4		ug/L		87	10 - 150	28	30
Carbon disulfide	0.82	U	20.0	20.7		ug/L		104	69 - 133	11	30
Carbon tetrachloride	0.21	U	20.0	19.5		ug/L		98	70 - 132	10	30
Chlorobenzene	0.38	U	20.0	22.2		ug/L		111	80 - 120	14	30
Chlorodibromomethane	0.28	U	20.0	20.4		ug/L		102	73 - 120	7	30
Chloroethane	0.32	U	20.0	22.7		ug/L		114	52 - 150	9	30
Chloroform	0.33	U	20.0	22.6		ug/L		113	80 - 120	10	30
Chloromethane	0.40	U	20.0	21.6		ug/L		108	56 - 131	14	30
cis-1,2-Dichloroethene	0.22	U	20.0	21.5		ug/L		108	80 - 120	7	30
cis-1,3-Dichloropropene	0.22	U	20.0	21.2		ug/L		106	77 - 120	15	30
Cyclohexane	0.32	U	20.0	16.7		ug/L		84	56 - 150	13	30
Dichlorobromomethane	0.34	U	20.0	21.3		ug/L		107	76 - 120	9	30
Dichlorodifluoromethane	0.31	U	20.0	15.9		ug/L		80	50 - 131	6	30
Ethylbenzene	0.30	U	20.0	21.9		ug/L		110	80 - 120	12	30
Ethylene Dibromide	0.50	U	20.0	21.1		ug/L		106	80 - 120	9	30
Isopropylbenzene	0.34	U	20.0	22.2		ug/L		111	80 - 123	13	30
Methyl acetate	0.79	U	40.0	36.1		ug/L		90	66 - 144	11	30
Methyl tert-butyl ether	0.47	U	20.0	24.4		ug/L		122	79 - 122	10	30
Methylcyclohexane	0.26	U	20.0	15.9		ug/L		79	61 - 145	11	30
Methylene Chloride	0.32	U	20.0	22.6		ug/L		113	77 - 123	11	30
Styrene	0.42	U	20.0	21.4		ug/L		107	80 - 120	14	30
Tetrachloroethene	0.25	U	20.0	21.3		ug/L		107	78 - 122	12	30
Toluene	0.38	U	20.0	21.6		ug/L		108	80 - 120	13	30
trans-1,2-Dichloroethene	0.24	U	20.0	23.4		ug/L		117	79 - 120	10	30
trans-1,3-Dichloropropene	0.49	U	20.0	21.1		ug/L		105	76 - 120	12	30
Trichloroethene	0.31	U	20.0	21.8		ug/L		109	77 - 120	6	30
Trichlorofluoromethane	0.32	U	20.0	23.0		ug/L		115	71 - 143	9	30
Vinyl chloride	0.17	U	20.0	25.2		ug/L		126	62 - 138	9	30
Xylenes, Total	0.65	U	40.0	42.5		ug/L		106	80 - 120	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*74 - 132*
4-Bromofluorobenzene	*100*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

Lab Sample ID: MB 460-639610/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639701
Prep Batch: 639610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/16/19 20:32	1

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

Lab Sample ID: MB 460-639610/1-A
Matrix: Water
Analysis Batch: 639701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 639610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/16/19 20:32	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/16/19 09:40	09/16/19 20:32	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/16/19 09:40	09/16/19 20:32	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/16/19 09:40	09/16/19 20:32	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 20:32	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/16/19 09:40	09/16/19 20:32	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/16/19 09:40	09/16/19 20:32	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/16/19 09:40	09/16/19 20:32	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/16/19 09:40	09/16/19 20:32	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/16/19 09:40	09/16/19 20:32	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 20:32	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/16/19 09:40	09/16/19 20:32	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/16/19 09:40	09/16/19 20:32	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/16/19 20:32	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/16/19 20:32	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/16/19 09:40	09/16/19 20:32	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/16/19 09:40	09/16/19 20:32	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/16/19 09:40	09/16/19 20:32	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/16/19 20:32	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/16/19 09:40	09/16/19 20:32	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/16/19 09:40	09/16/19 20:32	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 20:32	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/16/19 09:40	09/16/19 20:32	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/16/19 09:40	09/16/19 20:32	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 20:32	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/16/19 09:40	09/16/19 20:32	1
Acetophenone	0.79	U	10	0.79	ug/L		09/16/19 09:40	09/16/19 20:32	1
Anthracene	0.63	U	10	0.63	ug/L		09/16/19 09:40	09/16/19 20:32	1
Atrazine	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/16/19 20:32	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/16/19 09:40	09/16/19 20:32	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/16/19 09:40	09/16/19 20:32	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/16/19 09:40	09/16/19 20:32	1
Benzo[b]fluoranthene	1.1	U	2.0	1.1	ug/L		09/16/19 09:40	09/16/19 20:32	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		09/16/19 09:40	09/16/19 20:32	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/16/19 09:40	09/16/19 20:32	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/16/19 09:40	09/16/19 20:32	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/16/19 09:40	09/16/19 20:32	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/16/19 09:40	09/16/19 20:32	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/16/19 09:40	09/16/19 20:32	1
Caprolactam	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/16/19 20:32	1
Carbazole	0.68	U	10	0.68	ug/L		09/16/19 09:40	09/16/19 20:32	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/16/19 09:40	09/16/19 20:32	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/16/19 09:40	09/16/19 20:32	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 20:32	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/16/19 09:40	09/16/19 20:32	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/16/19 09:40	09/16/19 20:32	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/16/19 20:32	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/16/19 09:40	09/16/19 20:32	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/16/19 09:40	09/16/19 20:32	1

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

Lab Sample ID: MB 460-639610/1-A
Matrix: Water
Analysis Batch: 639701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 639610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.91	U	10	0.91	ug/L		09/16/19 09:40	09/16/19 20:32	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/16/19 09:40	09/16/19 20:32	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/16/19 09:40	09/16/19 20:32	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/16/19 09:40	09/16/19 20:32	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/16/19 09:40	09/16/19 20:32	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/16/19 09:40	09/16/19 20:32	1
Isophorone	0.80	U	10	0.80	ug/L		09/16/19 09:40	09/16/19 20:32	1
Naphthalene	1.1	U	10	1.1	ug/L		09/16/19 09:40	09/16/19 20:32	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/16/19 09:40	09/16/19 20:32	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/16/19 09:40	09/16/19 20:32	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/16/19 09:40	09/16/19 20:32	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/16/19 09:40	09/16/19 20:32	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/16/19 09:40	09/16/19 20:32	1
Phenol	0.29	U	10	0.29	ug/L		09/16/19 09:40	09/16/19 20:32	1
Pyrene	1.6	U	10	1.6	ug/L		09/16/19 09:40	09/16/19 20:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*26 - 139*	*09/16/19 09:40*	*09/16/19 20:32*	*1*
2-Fluorobiphenyl	*88*		*45 - 107*	*09/16/19 09:40*	*09/16/19 20:32*	*1*
2-Fluorophenol (Surr)	*47*		*25 - 58*	*09/16/19 09:40*	*09/16/19 20:32*	*1*
Nitrobenzene-d5 (Surr)	*91*		*51 - 108*	*09/16/19 09:40*	*09/16/19 20:32*	*1*
Phenol-d5 (Surr)	*33*		*14 - 39*	*09/16/19 09:40*	*09/16/19 20:32*	*1*
Terphenyl-d14 (Surr)	*96*		*40 - 148*	*09/16/19 09:40*	*09/16/19 20:32*	*1*

Lab Sample ID: LCS 460-639610/2-A
Matrix: Water
Analysis Batch: 639701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	80.0	59.6		ug/L		75	54 - 108
2,2'-oxybis[1-chloropropane]	80.0	61.6		ug/L		77	50 - 108
2,4,5-Trichlorophenol	80.0	61.2		ug/L		77	59 - 117
2,4,6-Trichlorophenol	80.0	66.3		ug/L		83	62 - 120
2,4-Dichlorophenol	80.0	66.2		ug/L		83	62 - 102
2,4-Dimethylphenol	80.0	61.3		ug/L		77	61 - 95
2,4-Dinitrophenol	160	154		ug/L		96	45 - 125
2,4-Dinitrotoluene	80.0	71.0		ug/L		89	70 - 123
2,6-Dinitrotoluene	80.0	70.5		ug/L		88	68 - 121
2-Chloronaphthalene	80.0	58.0		ug/L		72	54 - 105
2-Chlorophenol	80.0	59.2		ug/L		74	54 - 92
2-Methylnaphthalene	80.0	60.6		ug/L		76	47 - 104
2-Methylphenol	80.0	52.6		ug/L		66	43 - 80
2-Nitroaniline	80.0	69.4		ug/L		87	46 - 124
2-Nitrophenol	80.0	73.3		ug/L		92	58 - 109
3,3'-Dichlorobenzidine	80.0	74.0		ug/L		92	68 - 123
3-Nitroaniline	80.0	63.9		ug/L		80	60 - 117
4,6-Dinitro-2-methylphenol	160	158		ug/L		99	59 - 132
4-Bromophenyl phenyl ether	80.0	68.6		ug/L		86	57 - 126

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

Lab Sample ID: LCS 460-639610/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639701
Prep Batch: 639610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	80.0	65.8		ug/L		82	58 - 98
4-Chloroaniline	80.0	64.5		ug/L		81	51 - 108
4-Chlorophenyl phenyl ether	80.0	68.2		ug/L		85	60 - 114
4-Nitroaniline	80.0	68.3		ug/L		85	48 - 135
4-Nitrophenol	160	59.3		ug/L		37	11 - 47
Acenaphthene	80.0	61.1		ug/L		76	58 - 107
Acenaphthylene	80.0	63.1		ug/L		79	61 - 106
Acetophenone	80.0	72.1		ug/L		90	54 - 115
Anthracene	80.0	67.5		ug/L		84	70 - 118
Benzo[a]anthracene	80.0	68.5		ug/L		86	73 - 119
Benzo[a]pyrene	80.0	64.3		ug/L		80	76 - 125
Benzo[b]fluoranthene	80.0	60.3	*	ug/L		75	78 - 123
Benzo[g,h,i]perylene	80.0	52.5		ug/L		66	63 - 133
Benzo[k]fluoranthene	80.0	66.7		ug/L		83	71 - 126
Bis(2-chloroethoxy)methane	80.0	67.1		ug/L		84	67 - 104
Bis(2-chloroethyl)ether	80.0	69.0		ug/L		86	63 - 106
Bis(2-ethylhexyl) phthalate	80.0	75.4		ug/L		94	63 - 135
Butyl benzyl phthalate	80.0	71.8		ug/L		90	66 - 129
Carbazole	80.0	65.7		ug/L		82	68 - 121
Chrysene	80.0	69.9		ug/L		87	73 - 121
Dibenz(a,h)anthracene	80.0	61.5		ug/L		77	59 - 136
Dibenzofuran	80.0	66.4		ug/L		83	67 - 108
Diethyl phthalate	80.0	69.6		ug/L		87	61 - 129
Dimethyl phthalate	80.0	68.8		ug/L		86	65 - 121
Di-n-butyl phthalate	80.0	71.6		ug/L		89	64 - 130
Di-n-octyl phthalate	80.0	55.7		ug/L		70	64 - 131
Fluoranthene	80.0	65.5		ug/L		82	66 - 123
Fluorene	80.0	67.4		ug/L		84	67 - 112
Hexachlorobenzene	80.0	71.3		ug/L		89	63 - 125
Hexachlorobutadiene	80.0	47.8		ug/L		60	34 - 99
Hexachlorocyclopentadiene	80.0	35.5		ug/L		44	18 - 99
Hexachloroethane	80.0	42.8		ug/L		53	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	63.1		ug/L		79	57 - 142
Isophorone	80.0	69.5		ug/L		87	55 - 105
Naphthalene	80.0	53.9		ug/L		67	51 - 98
Nitrobenzene	80.0	71.8		ug/L		90	56 - 106
N-Nitrosodi-n-propylamine	80.0	73.0		ug/L		91	48 - 118
N-Nitrosodiphenylamine	80.0	68.1		ug/L		85	69 - 118
Pentachlorophenol	160	132		ug/L		83	54 - 120
Phenanthrene	80.0	66.9		ug/L		84	70 - 117
Phenol	80.0	29.5		ug/L		37	16 - 43
Pyrene	80.0	67.7		ug/L		85	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*26 - 139*
2-Fluorobiphenyl	*82*		*45 - 107*
2-Fluorophenol (Surr)	*47*		*25 - 58*
Nitrobenzene-d5 (Surr)	*90*		*51 - 108*

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

Lab Sample ID: LCS 460-639610/2-A
Matrix: Water
Analysis Batch: 639701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639610

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*33*		*14 - 39*
Terphenyl-d14 (Surr)	*89*		*40 - 148*

Lab Sample ID: LCS 460-639610/4-A
Matrix: Water
Analysis Batch: 639701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	160	175		ug/L		109	38 - 146
Benzaldehyde	160	147		ug/L		92	46 - 111
Caprolactam	160	43.6		ug/L		27	10 - 43

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*26 - 139*
2-Fluorobiphenyl	*91*		*45 - 107*
2-Fluorophenol (Surr)	*46*		*25 - 58*
Nitrobenzene-d5 (Surr)	*98*		*51 - 108*
Phenol-d5 (Surr)	*31*		*14 - 39*
Terphenyl-d14 (Surr)	*99*		*40 - 148*

Lab Sample ID: LCSD 460-639610/3-A
Matrix: Water
Analysis Batch: 639701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 639610

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	58.9		ug/L		74	54 - 108	1	30
2,2'-oxybis[1-chloropropane]	80.0	60.1		ug/L		75	50 - 108	2	30
2,4,5-Trichlorophenol	80.0	61.7		ug/L		77	59 - 117	1	30
2,4,6-Trichlorophenol	80.0	65.4		ug/L		82	62 - 120	1	30
2,4-Dichlorophenol	80.0	65.5		ug/L		82	62 - 102	1	30
2,4-Dimethylphenol	80.0	62.0		ug/L		77	61 - 95	1	30
2,4-Dinitrophenol	160	153		ug/L		96	45 - 125	0	30
2,4-Dinitrotoluene	80.0	71.1		ug/L		89	70 - 123	0	30
2,6-Dinitrotoluene	80.0	71.2		ug/L		89	68 - 121	1	30
2-Chloronaphthalene	80.0	58.0		ug/L		72	54 - 105	0	30
2-Chlorophenol	80.0	59.2		ug/L		74	54 - 92	0	30
2-Methylnaphthalene	80.0	59.6		ug/L		75	47 - 104	2	30
2-Methylphenol	80.0	53.1		ug/L		66	43 - 80	1	30
2-Nitroaniline	80.0	68.6		ug/L		86	46 - 124	1	30
2-Nitrophenol	80.0	74.1		ug/L		93	58 - 109	1	30
3,3'-Dichlorobenzidine	80.0	78.3		ug/L		98	68 - 123	6	30
3-Nitroaniline	80.0	63.0		ug/L		79	60 - 117	1	30
4,6-Dinitro-2-methylphenol	160	157		ug/L		98	59 - 132	0	30
4-Bromophenyl phenyl ether	80.0	67.4		ug/L		84	57 - 126	2	30
4-Chloro-3-methylphenol	80.0	65.5		ug/L		82	58 - 98	0	30
4-Chloroaniline	80.0	64.5		ug/L		81	51 - 108	0	30
4-Chlorophenyl phenyl ether	80.0	67.8		ug/L		85	60 - 114	0	30
4-Nitroaniline	80.0	66.5		ug/L		83	48 - 135	3	30

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

Lab Sample ID: LCSD 460-639610/3-A
Matrix: Water
Analysis Batch: 639701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 639610

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitrophenol			160	58.1		ug/L		36	11 - 47	2	30
Acenaphthene			80.0	59.3		ug/L		74	58 - 107	3	30
Acenaphthylene			80.0	62.6		ug/L		78	61 - 106	1	30
Acetophenone			80.0	71.1		ug/L		89	54 - 115	1	30
Anthracene			80.0	66.3		ug/L		83	70 - 118	2	30
Benzo[a]anthracene			80.0	67.1		ug/L		84	73 - 119	2	30
Benzo[a]pyrene			80.0	63.1		ug/L		79	76 - 125	2	30
Benzo[b]fluoranthene			80.0	62.2		ug/L		78	78 - 123	3	30
Benzo[g,h,i]perylene			80.0	48.7	*	ug/L		61	63 - 133	8	30
Benzo[k]fluoranthene			80.0	64.5		ug/L		81	71 - 126	3	30
Bis(2-chloroethoxy)methane			80.0	67.6		ug/L		85	67 - 104	1	30
Bis(2-chloroethyl)ether			80.0	67.3		ug/L		84	63 - 106	2	30
Bis(2-ethylhexyl) phthalate			80.0	73.9		ug/L		92	63 - 135	2	30
Butyl benzyl phthalate			80.0	69.6		ug/L		87	66 - 129	3	30
Carbazole			80.0	64.2		ug/L		80	68 - 121	2	30
Chrysene			80.0	71.3		ug/L		89	73 - 121	2	30
Dibenz(a,h)anthracene			80.0	57.3		ug/L		72	59 - 136	7	30
Dibenzofuran			80.0	64.9		ug/L		81	67 - 108	2	30
Diethyl phthalate			80.0	69.2		ug/L		87	61 - 129	1	30
Dimethyl phthalate			80.0	69.3		ug/L		87	65 - 121	1	30
Di-n-butyl phthalate			80.0	69.5		ug/L		87	64 - 130	3	30
Di-n-octyl phthalate			80.0	52.2		ug/L		65	64 - 131	7	30
Fluoranthene			80.0	63.4		ug/L		79	66 - 123	3	30
Fluorene			80.0	65.9		ug/L		82	67 - 112	2	30
Hexachlorobenzene			80.0	71.0		ug/L		89	63 - 125	0	30
Hexachlorobutadiene			80.0	46.9		ug/L		59	34 - 99	2	30
Hexachlorocyclopentadiene			80.0	36.5		ug/L		46	18 - 99	3	30
Hexachloroethane			80.0	41.9		ug/L		52	39 - 92	2	30
Indeno[1,2,3-cd]pyrene			80.0	58.2		ug/L		73	57 - 142	8	30
Isophorone			80.0	69.4		ug/L		87	55 - 105	0	30
Naphthalene			80.0	53.7		ug/L		67	51 - 98	0	30
Nitrobenzene			80.0	72.0		ug/L		90	56 - 106	0	30
N-Nitrosodi-n-propylamine			80.0	72.2		ug/L		90	48 - 118	1	30
N-Nitrosodiphenylamine			80.0	67.8		ug/L		85	69 - 118	1	30
Pentachlorophenol			160	131		ug/L		82	54 - 120	1	30
Phenanthrene			80.0	65.1		ug/L		81	70 - 117	3	30
Phenol			80.0	29.0		ug/L		36	16 - 43	2	30
Pyrene			80.0	66.4		ug/L		83	63 - 129	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*26 - 139*
2-Fluorobiphenyl	*82*		*45 - 107*
2-Fluorophenol (Surr)	*46*		*25 - 58*
Nitrobenzene-d5 (Surr)	*90*		*51 - 108*
Phenol-d5 (Surr)	*33*		*14 - 39*
Terphenyl-d14 (Surr)	*87*		*40 - 148*

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

Lab Sample ID: LCSD 460-639610/5-A
Matrix: Water
Analysis Batch: 639701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 639610

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine			160	105	*	ug/L		66	38 - 146	50	30
Benzaldehyde			160	129		ug/L		81	46 - 111	13	30
Caprolactam			160	25.5	*	ug/L		16	10 - 43	52	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*26 - 139*
2-Fluorobiphenyl	*82*		*45 - 107*
2-Fluorophenol (Surr)	*42*		*25 - 58*
Nitrobenzene-d5 (Surr)	*87*		*51 - 108*
Phenol-d5 (Surr)	*29*		*14 - 39*
Terphenyl-d14 (Surr)	*91*		*40 - 148*

Lab Sample ID: 460-191351-2 MS
Matrix: Water
Analysis Batch: 639701

Client Sample ID: MW-17D 091019
Prep Type: Total/NA
Prep Batch: 639610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	1.2	U	80.0	75.9		ug/L		95	54 - 108
2,2'-oxybis[1-chloropropane]	0.63	U	80.0	71.2		ug/L		89	50 - 108
2,4,5-Trichlorophenol	0.28	U	80.0	75.0		ug/L		94	59 - 117
2,4,6-Trichlorophenol	0.30	U	80.0	75.3		ug/L		94	62 - 120
2,4-Dichlorophenol	0.42	U	80.0	75.8		ug/L		95	62 - 102
2,4-Dimethylphenol	0.24	U	80.0	69.6		ug/L		87	61 - 95
2,4-Dinitrophenol	14	U	160	132		ug/L		82	45 - 125
2,4-Dinitrotoluene	1.0	U	80.0	83.4		ug/L		104	70 - 123
2,6-Dinitrotoluene	0.39	U	80.0	85.3		ug/L		107	68 - 121
2-Chloronaphthalene	1.2	U	80.0	75.1		ug/L		94	54 - 105
2-Chlorophenol	0.38	U	80.0	63.2		ug/L		79	54 - 92
2-Methylnaphthalene	1.1	U	80.0	78.8		ug/L		98	47 - 104
2-Methylphenol	0.26	U	80.0	55.1		ug/L		69	43 - 80
2-Nitroaniline	0.47	U	80.0	82.7		ug/L		103	46 - 124
2-Nitrophenol	0.75	U	80.0	83.5		ug/L		104	58 - 109
3,3'-Dichlorobenzidine	1.4	U	80.0	89.0		ug/L		111	68 - 123
3-Nitroaniline	0.96	U	80.0	72.9		ug/L		91	60 - 117
4,6-Dinitro-2-methylphenol	13	U	160	149		ug/L		93	59 - 132
4-Bromophenyl phenyl ether	0.75	U	80.0	85.1		ug/L		106	57 - 126
4-Chloro-3-methylphenol	0.58	U	80.0	75.9		ug/L		95	58 - 98
4-Chloroaniline	1.9	U	80.0	70.5		ug/L		88	51 - 108
4-Chlorophenyl phenyl ether	1.3	U	80.0	83.5		ug/L		104	60 - 114
4-Nitroaniline	0.54	U	80.0	76.7		ug/L		96	48 - 135
4-Nitrophenol	0.69	U	160	56.7		ug/L		35	11 - 47
Acenaphthene	1.1	U	80.0	74.2		ug/L		93	58 - 107
Acenaphthylene	0.82	U	80.0	78.1		ug/L		98	61 - 106
Acetophenone	0.79	U	80.0	81.9		ug/L		102	54 - 115
Anthracene	0.63	U	80.0	82.2		ug/L		103	70 - 118
Atrazine	1.3	U	160	180		ug/L		112	38 - 146
Benzaldehyde	0.59	U	160	143		ug/L		89	46 - 111
Benzo[a]anthracene	0.59	U	80.0	84.0		ug/L		105	73 - 119

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

Lab Sample ID: 460-191351-2 MS
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639701
Prep Batch: 639610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	0.41	U	80.0	80.7		ug/L		101	76 - 125
Benzo[b]fluoranthene	1.1	U	80.0	77.3		ug/L		97	78 - 123
Benzo[g,h,i]perylene	1.4	U	80.0	68.6		ug/L		86	63 - 133
Benzo[k]fluoranthene	0.67	U	80.0	81.9		ug/L		102	71 - 126
Bis(2-chloroethoxy)methane	0.24	U	80.0	79.8		ug/L		100	67 - 104
Bis(2-chloroethyl)ether	0.30	U	80.0	76.7		ug/L		96	63 - 106
Bis(2-ethylhexyl) phthalate	1.7	U	80.0	95.9		ug/L		120	63 - 135
Butyl benzyl phthalate	0.85	U	80.0	89.9		ug/L		112	66 - 129
Caprolactam	0.68	U	160	43.5		ug/L		27	10 - 43
Carbazole	0.68	U	80.0	77.9		ug/L		97	68 - 121
Chrysene	0.91	U	80.0	89.9		ug/L		112	73 - 121
Dibenz(a,h)anthracene	0.72	U	80.0	79.7		ug/L		100	59 - 136
Dibenzofuran	1.1	U	80.0	81.0		ug/L		101	67 - 108
Diethyl phthalate	0.98	U	80.0	83.1		ug/L		104	61 - 129
Dimethyl phthalate	0.77	U	80.0	83.6		ug/L		105	65 - 121
Di-n-butyl phthalate	0.84	U	80.0	85.9		ug/L		107	64 - 130
Di-n-octyl phthalate	4.8	U	80.0	70.1		ug/L		88	64 - 131
Fluoranthene	0.84	U	80.0	77.0		ug/L		96	66 - 123
Fluorene	0.91	U	80.0	81.7		ug/L		102	67 - 112
Hexachlorobenzene	0.40	U	80.0	88.4		ug/L		111	63 - 125
Hexachlorobutadiene	0.78	U	80.0	67.5		ug/L		84	34 - 99
Hexachlorocyclopentadiene	1.7	U	80.0	57.0		ug/L		71	18 - 99
Hexachloroethane	1.2	U	80.0	61.5		ug/L		77	39 - 92
Indeno[1,2,3-cd]pyrene	1.3	U	80.0	76.1		ug/L		95	57 - 142
Isophorone	0.80	U	80.0	81.6		ug/L		102	55 - 105
Naphthalene	1.1	U	80.0	72.0		ug/L		90	51 - 98
Nitrobenzene	0.57	U	80.0	82.2		ug/L		103	56 - 106
N-Nitrosodi-n-propylamine	0.43	U	80.0	84.1		ug/L		105	48 - 118
N-Nitrosodiphenylamine	0.89	U	80.0	84.1		ug/L		105	69 - 118
Pentachlorophenol	1.4	U	160	147		ug/L		92	54 - 120
Phenanthrene	0.58	U	80.0	80.9		ug/L		101	70 - 117
Phenol	0.29	U	80.0	27.3		ug/L		34	16 - 43
Pyrene	1.6	U	80.0	86.5		ug/L		108	63 - 129

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*115*		*26 - 139*
2-Fluorobiphenyl	*97*		*45 - 107*
2-Fluorophenol (Surr)	*44*		*25 - 58*
Nitrobenzene-d5 (Surr)	*100*		*51 - 108*
Phenol-d5 (Surr)	*29*		*14 - 39*
Terphenyl-d14 (Surr)	*96*		*40 - 148*

Lab Sample ID: 460-191351-2 MSD
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639701
Prep Batch: 639610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	1.2	U	80.0	75.2		ug/L		94	54 - 108	1	30

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

Lab Sample ID: 460-191351-2 MSD
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639701
Prep Batch: 639610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2'-oxybis[1-chloropropane]	0.63	U	80.0	72.2		ug/L		90	50 - 108	1	30
2,4,5-Trichlorophenol	0.28	U	80.0	75.2		ug/L		94	59 - 117	0	30
2,4,6-Trichlorophenol	0.30	U	80.0	76.1		ug/L		95	62 - 120	1	30
2,4-Dichlorophenol	0.42	U	80.0	75.7		ug/L		95	62 - 102	0	30
2,4-Dimethylphenol	0.24	U	80.0	70.0		ug/L		88	61 - 95	1	30
2,4-Dinitrophenol	14	U	160	183	F2	ug/L		114	45 - 125	33	30
2,4-Dinitrotoluene	1.0	U	80.0	85.7		ug/L		107	70 - 123	3	30
2,6-Dinitrotoluene	0.39	U	80.0	84.3		ug/L		105	68 - 121	1	30
2-Chloronaphthalene	1.2	U	80.0	74.5		ug/L		93	54 - 105	1	30
2-Chlorophenol	0.38	U	80.0	64.9		ug/L		81	54 - 92	3	30
2-Methylnaphthalene	1.1	U	80.0	78.1		ug/L		98	47 - 104	1	30
2-Methylphenol	0.26	U	80.0	55.2		ug/L		69	43 - 80	0	30
2-Nitroaniline	0.47	U	80.0	83.7		ug/L		105	46 - 124	1	30
2-Nitrophenol	0.75	U	80.0	85.8		ug/L		107	58 - 109	3	30
3,3'-Dichlorobenzidine	1.4	U	80.0	85.3		ug/L		107	68 - 123	4	30
3-Nitroaniline	0.96	U	80.0	73.6		ug/L		92	60 - 117	1	30
4,6-Dinitro-2-methylphenol	13	U	160	191		ug/L		119	59 - 132	24	30
4-Bromophenyl phenyl ether	0.75	U	80.0	84.3		ug/L		105	57 - 126	1	30
4-Chloro-3-methylphenol	0.58	U	80.0	76.3		ug/L		95	58 - 98	0	30
4-Chloroaniline	1.9	U	80.0	68.7		ug/L		86	51 - 108	3	30
4-Chlorophenyl phenyl ether	1.3	U	80.0	83.2		ug/L		104	60 - 114	0	30
4-Nitroaniline	0.54	U	80.0	80.6		ug/L		101	48 - 135	5	30
4-Nitrophenol	0.69	U	160	58.1		ug/L		36	11 - 47	2	30
Acenaphthene	1.1	U	80.0	75.6		ug/L		94	58 - 107	2	30
Acenaphthylene	0.82	U	80.0	77.9		ug/L		97	61 - 106	0	30
Acetophenone	0.79	U	80.0	82.9		ug/L		104	54 - 115	1	30
Anthracene	0.63	U	80.0	82.1		ug/L		103	70 - 118	0	30
Atrazine	1.3	U	160	195	E	ug/L		122	38 - 146	8	30
Benzaldehyde	0.59	U	160	152		ug/L		95	46 - 111	6	30
Benzo[a]anthracene	0.59	U	80.0	82.3		ug/L		103	73 - 119	2	30
Benzo[a]pyrene	0.41	U	80.0	79.0		ug/L		99	76 - 125	2	30
Benzo[b]fluoranthene	1.1	U	80.0	75.3		ug/L		94	78 - 123	3	30
Benzo[g,h,i]perylene	1.4	U	80.0	64.3		ug/L		80	63 - 133	7	30
Benzo[k]fluoranthene	0.67	U	80.0	81.3		ug/L		102	71 - 126	1	30
Bis(2-chloroethoxy)methane	0.24	U	80.0	79.4		ug/L		99	67 - 104	1	30
Bis(2-chloroethyl)ether	0.30	U	80.0	77.6		ug/L		97	63 - 106	1	30
Bis(2-ethylhexyl) phthalate	1.7	U	80.0	95.5		ug/L		119	63 - 135	0	30
Butyl benzyl phthalate	0.85	U	80.0	90.2		ug/L		113	66 - 129	0	30
Caprolactam	0.68	U	160	43.5		ug/L		27	10 - 43	0	30
Carbazole	0.68	U	80.0	80.4		ug/L		101	68 - 121	3	30
Chrysene	0.91	U	80.0	89.2		ug/L		111	73 - 121	1	30
Dibenz(a,h)anthracene	0.72	U	80.0	74.8		ug/L		93	59 - 136	6	30
Dibenzofuran	1.1	U	80.0	79.7		ug/L		100	67 - 108	2	30
Diethyl phthalate	0.98	U	80.0	84.0		ug/L		105	61 - 129	1	30
Dimethyl phthalate	0.77	U	80.0	84.0		ug/L		105	65 - 121	1	30
Di-n-butyl phthalate	0.84	U	80.0	87.5		ug/L		109	64 - 130	2	30
Di-n-octyl phthalate	4.8	U	80.0	69.9		ug/L		87	64 - 131	0	30
Fluoranthene	0.84	U	80.0	78.9		ug/L		99	66 - 123	2	30
Fluorene	0.91	U	80.0	81.7		ug/L		102	67 - 112	0	30

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

Lab Sample ID: 460-191351-2 MSD
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639701
Prep Batch: 639610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobenzene	0.40	U	80.0	87.4		ug/L		109	63 - 125	1	30
Hexachlorobutadiene	0.78	U	80.0	69.3		ug/L		87	34 - 99	3	30
Hexachlorocyclopentadiene	1.7	U	80.0	62.2		ug/L		78	18 - 99	9	30
Hexachloroethane	1.2	U	80.0	64.0		ug/L		80	39 - 92	4	30
Indeno[1,2,3-cd]pyrene	1.3	U	80.0	72.0		ug/L		90	57 - 142	5	30
Isophorone	0.80	U	80.0	81.2		ug/L		102	55 - 105	0	30
Naphthalene	1.1	U	80.0	72.9		ug/L		91	51 - 98	1	30
Nitrobenzene	0.57	U	80.0	84.2		ug/L		105	56 - 106	2	30
N-Nitrosodi-n-propylamine	0.43	U	80.0	84.3		ug/L		105	48 - 118	0	30
N-Nitrosodiphenylamine	0.89	U	80.0	84.1		ug/L		105	69 - 118	0	30
Pentachlorophenol	1.4	U	160	157		ug/L		98	54 - 120	7	30
Phenanthrene	0.58	U	80.0	82.2		ug/L		103	70 - 117	2	30
Phenol	0.29	U	80.0	26.9		ug/L		34	16 - 43	1	30
Pyrene	1.6	U	80.0	87.0		ug/L		109	63 - 129	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*117*		*26 - 139*
2-Fluorobiphenyl	*96*		*45 - 107*
2-Fluorophenol (Surr)	*43*		*25 - 58*
Nitrobenzene-d5 (Surr)	*99*		*51 - 108*
Phenol-d5 (Surr)	*29*		*14 - 39*
Terphenyl-d14 (Surr)	*91*		*40 - 148*

Lab Sample ID: MB 460-639875/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639842
Prep Batch: 639875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		09/17/19 10:02	09/17/19 14:13	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		09/17/19 10:02	09/17/19 14:13	1
2,4,5-Trichlorophenol	0.28	U	10	0.28	ug/L		09/17/19 10:02	09/17/19 14:13	1
2,4,6-Trichlorophenol	0.30	U	10	0.30	ug/L		09/17/19 10:02	09/17/19 14:13	1
2,4-Dichlorophenol	0.42	U	10	0.42	ug/L		09/17/19 10:02	09/17/19 14:13	1
2,4-Dimethylphenol	0.24	U	10	0.24	ug/L		09/17/19 10:02	09/17/19 14:13	1
2,4-Dinitrophenol	14	U	20	14	ug/L		09/17/19 10:02	09/17/19 14:13	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		09/17/19 10:02	09/17/19 14:13	1
2,6-Dinitrotoluene	0.39	U	2.0	0.39	ug/L		09/17/19 10:02	09/17/19 14:13	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		09/17/19 10:02	09/17/19 14:13	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		09/17/19 10:02	09/17/19 14:13	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		09/17/19 10:02	09/17/19 14:13	1
2-Methylphenol	0.26	U	10	0.26	ug/L		09/17/19 10:02	09/17/19 14:13	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		09/17/19 10:02	09/17/19 14:13	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		09/17/19 10:02	09/17/19 14:13	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		09/17/19 10:02	09/17/19 14:13	1
3-Nitroaniline	0.96	U	10	0.96	ug/L		09/17/19 10:02	09/17/19 14:13	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		09/17/19 10:02	09/17/19 14:13	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		09/17/19 10:02	09/17/19 14:13	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		09/17/19 10:02	09/17/19 14:13	1

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

Lab Sample ID: MB 460-639875/1-A
Matrix: Water
Analysis Batch: 639842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 639875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	1.9	U	10	1.9	ug/L		09/17/19 10:02	09/17/19 14:13	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		09/17/19 10:02	09/17/19 14:13	1
4-Methylphenol	0.24	U	10	0.24	ug/L		09/17/19 10:02	09/17/19 14:13	1
4-Nitroaniline	0.54	U	10	0.54	ug/L		09/17/19 10:02	09/17/19 14:13	1
4-Nitrophenol	0.69	U	20	0.69	ug/L		09/17/19 10:02	09/17/19 14:13	1
Acenaphthene	1.1	U	10	1.1	ug/L		09/17/19 10:02	09/17/19 14:13	1
Acenaphthylene	0.82	U	10	0.82	ug/L		09/17/19 10:02	09/17/19 14:13	1
Acetophenone	0.79	U	10	0.79	ug/L		09/17/19 10:02	09/17/19 14:13	1
Anthracene	0.63	U	10	0.63	ug/L		09/17/19 10:02	09/17/19 14:13	1
Atrazine	1.3	U	2.0	1.3	ug/L		09/17/19 10:02	09/17/19 14:13	1
Benzaldehyde	0.59	U	10	0.59	ug/L		09/17/19 10:02	09/17/19 14:13	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		09/17/19 10:02	09/17/19 14:13	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		09/17/19 10:02	09/17/19 14:13	1
Benzo[b]fluoranthene	1.1	U	2.0	1.1	ug/L		09/17/19 10:02	09/17/19 14:13	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		09/17/19 10:02	09/17/19 14:13	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		09/17/19 10:02	09/17/19 14:13	1
Bis(2-chloroethoxy)methane	0.24	U	10	0.24	ug/L		09/17/19 10:02	09/17/19 14:13	1
Bis(2-chloroethyl)ether	0.30	U	1.0	0.30	ug/L		09/17/19 10:02	09/17/19 14:13	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		09/17/19 10:02	09/17/19 14:13	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		09/17/19 10:02	09/17/19 14:13	1
Caprolactam	0.68	U	10	0.68	ug/L		09/17/19 10:02	09/17/19 14:13	1
Carbazole	0.68	U	10	0.68	ug/L		09/17/19 10:02	09/17/19 14:13	1
Chrysene	0.91	U	2.0	0.91	ug/L		09/17/19 10:02	09/17/19 14:13	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		09/17/19 10:02	09/17/19 14:13	1
Dibenzofuran	1.1	U	10	1.1	ug/L		09/17/19 10:02	09/17/19 14:13	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		09/17/19 10:02	09/17/19 14:13	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		09/17/19 10:02	09/17/19 14:13	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		09/17/19 10:02	09/17/19 14:13	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		09/17/19 10:02	09/17/19 14:13	1
Fluoranthene	0.84	U	10	0.84	ug/L		09/17/19 10:02	09/17/19 14:13	1
Fluorene	0.91	U	10	0.91	ug/L		09/17/19 10:02	09/17/19 14:13	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		09/17/19 10:02	09/17/19 14:13	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		09/17/19 10:02	09/17/19 14:13	1
Hexachlorocyclopentadiene	1.7	U	10	1.7	ug/L		09/17/19 10:02	09/17/19 14:13	1
Hexachloroethane	1.2	U	2.0	1.2	ug/L		09/17/19 10:02	09/17/19 14:13	1
Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3	ug/L		09/17/19 10:02	09/17/19 14:13	1
Isophorone	0.80	U	10	0.80	ug/L		09/17/19 10:02	09/17/19 14:13	1
Naphthalene	1.1	U	10	1.1	ug/L		09/17/19 10:02	09/17/19 14:13	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		09/17/19 10:02	09/17/19 14:13	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		09/17/19 10:02	09/17/19 14:13	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		09/17/19 10:02	09/17/19 14:13	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		09/17/19 10:02	09/17/19 14:13	1
Phenanthrene	0.58	U	10	0.58	ug/L		09/17/19 10:02	09/17/19 14:13	1
Phenol	0.29	U	10	0.29	ug/L		09/17/19 10:02	09/17/19 14:13	1
Pyrene	1.6	U	10	1.6	ug/L		09/17/19 10:02	09/17/19 14:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*26 - 139*	*09/17/19 10:02*	*09/17/19 14:13*	*1*

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

Lab Sample ID: MB 460-639875/1-A
Matrix: Water
Analysis Batch: 639842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 639875

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		45 - 107	09/17/19 10:02	09/17/19 14:13	1
2-Fluorophenol (Surr)	50		25 - 58	09/17/19 10:02	09/17/19 14:13	1
Nitrobenzene-d5 (Surr)	93		51 - 108	09/17/19 10:02	09/17/19 14:13	1
Phenol-d5 (Surr)	34		14 - 39	09/17/19 10:02	09/17/19 14:13	1
Terphenyl-d14 (Surr)	88		40 - 148	09/17/19 10:02	09/17/19 14:13	1

Lab Sample ID: LCS 460-639875/2-A
Matrix: Water
Analysis Batch: 639842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	80.0	75.8		ug/L		95	54 - 108
2,2'-oxybis[1-chloropropane]	80.0	75.9		ug/L		95	50 - 108
2,4,5-Trichlorophenol	80.0	77.9		ug/L		97	59 - 117
2,4,6-Trichlorophenol	80.0	82.8		ug/L		103	62 - 120
2,4-Dichlorophenol	80.0	74.0		ug/L		92	62 - 102
2,4-Dimethylphenol	80.0	70.4		ug/L		88	61 - 95
2,4-Dinitrophenol	160	155		ug/L		97	45 - 125
2,4-Dinitrotoluene	80.0	88.0		ug/L		110	70 - 123
2,6-Dinitrotoluene	80.0	82.6		ug/L		103	68 - 121
2-Chloronaphthalene	80.0	76.2		ug/L		95	54 - 105
2-Chlorophenol	80.0	70.5		ug/L		88	54 - 92
2-Methylnaphthalene	80.0	71.6		ug/L		90	47 - 104
2-Methylphenol	80.0	61.5		ug/L		77	43 - 80
2-Nitroaniline	80.0	84.5		ug/L		106	46 - 124
2-Nitrophenol	80.0	80.0		ug/L		100	58 - 109
3,3'-Dichlorobenzidine	80.0	77.8		ug/L		97	68 - 123
3-Nitroaniline	80.0	77.6		ug/L		97	60 - 117
4,6-Dinitro-2-methylphenol	160	194		ug/L		121	59 - 132
4-Bromophenyl phenyl ether	80.0	78.2		ug/L		98	57 - 126
4-Chloro-3-methylphenol	80.0	72.7		ug/L		91	58 - 98
4-Chloroaniline	80.0	61.0		ug/L		76	51 - 108
4-Chlorophenyl phenyl ether	80.0	77.2		ug/L		97	60 - 114
4-Nitroaniline	80.0	80.4		ug/L		100	48 - 135
4-Nitrophenol	160	69.0		ug/L		43	11 - 47
Acenaphthene	80.0	72.1		ug/L		90	58 - 107
Acenaphthylene	80.0	78.4		ug/L		98	61 - 106
Acetophenone	80.0	78.6		ug/L		98	54 - 115
Anthracene	80.0	82.0		ug/L		102	70 - 118
Benzo[a]anthracene	80.0	83.6		ug/L		104	73 - 119
Benzo[a]pyrene	80.0	80.4		ug/L		101	76 - 125
Benzo[b]fluoranthene	80.0	86.4		ug/L		108	78 - 123
Benzo[g,h,i]perylene	80.0	86.3		ug/L		108	63 - 133
Benzo[k]fluoranthene	80.0	84.2		ug/L		105	71 - 126
Bis(2-chloroethoxy)methane	80.0	78.1		ug/L		98	67 - 104
Bis(2-chloroethyl)ether	80.0	80.1		ug/L		100	63 - 106
Bis(2-ethylhexyl) phthalate	80.0	90.2		ug/L		113	63 - 135
Butyl benzyl phthalate	80.0	92.0		ug/L		115	66 - 129

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

Lab Sample ID: LCS 460-639875/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639842
Prep Batch: 639875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbazole	80.0	84.4		ug/L		106	68 - 121
Chrysene	80.0	86.8		ug/L		109	73 - 121
Dibenz(a,h)anthracene	80.0	88.5		ug/L		111	59 - 136
Dibenzofuran	80.0	81.4		ug/L		102	67 - 108
Diethyl phthalate	80.0	77.6		ug/L		97	61 - 129
Dimethyl phthalate	80.0	77.7		ug/L		97	65 - 121
Di-n-butyl phthalate	80.0	84.6		ug/L		106	64 - 130
Di-n-octyl phthalate	80.0	97.4		ug/L		122	64 - 131
Fluoranthene	80.0	84.6		ug/L		106	66 - 123
Fluorene	80.0	77.0		ug/L		96	67 - 112
Hexachlorobenzene	80.0	80.3		ug/L		100	63 - 125
Hexachlorobutadiene	80.0	61.4		ug/L		77	34 - 99
Hexachlorocyclopentadiene	80.0	51.9		ug/L		65	18 - 99
Hexachloroethane	80.0	61.2		ug/L		76	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	86.5		ug/L		108	57 - 142
Isophorone	80.0	78.4		ug/L		98	55 - 105
Naphthalene	80.0	70.2		ug/L		88	51 - 98
Nitrobenzene	80.0	81.1		ug/L		101	56 - 106
N-Nitrosodi-n-propylamine	80.0	78.6		ug/L		98	48 - 118
N-Nitrosodiphenylamine	80.0	81.3		ug/L		102	69 - 118
Pentachlorophenol	160	168		ug/L		105	54 - 120
Phenanthrene	80.0	82.5		ug/L		103	70 - 117
Phenol	80.0	32.7		ug/L		41	16 - 43
Pyrene	80.0	86.3		ug/L		108	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*26 - 139*
2-Fluorobiphenyl	*89*		*45 - 107*
2-Fluorophenol (Surr)	*55*		*25 - 58*
Nitrobenzene-d5 (Surr)	*91*		*51 - 108*
Phenol-d5 (Surr)	*38*		*14 - 39*
Terphenyl-d14 (Surr)	*99*		*40 - 148*

Lab Sample ID: LCS 460-639875/4-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639842
Prep Batch: 639875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	160	171		ug/L		107	38 - 146
Benzaldehyde	160	142		ug/L		89	46 - 111
Caprolactam	160	44.8		ug/L		28	10 - 43

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*26 - 139*
2-Fluorobiphenyl	*88*		*45 - 107*
2-Fluorophenol (Surr)	*52*		*25 - 58*
Nitrobenzene-d5 (Surr)	*94*		*51 - 108*
Phenol-d5 (Surr)	*36*		*14 - 39*

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

Lab Sample ID: LCS 460-639875/4-A
Matrix: Water
Analysis Batch: 639842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639875

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*101*		*40 - 148*

Lab Sample ID: LCSD 460-639875/3-A
Matrix: Water
Analysis Batch: 639842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 639875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			80.0	79.3		ug/L		99	54 - 108	4	30
2,2'-oxybis[1-chloropropane]			80.0	73.6		ug/L		92	50 - 108	3	30
2,4,5-Trichlorophenol			80.0	80.5		ug/L		101	59 - 117	3	30
2,4,6-Trichlorophenol			80.0	84.1		ug/L		105	62 - 120	2	30
2,4-Dichlorophenol			80.0	75.7		ug/L		95	62 - 102	2	30
2,4-Dimethylphenol			80.0	70.4		ug/L		88	61 - 95	0	30
2,4-Dinitrophenol			160	161		ug/L		101	45 - 125	4	30
2,4-Dinitrotoluene			80.0	88.3		ug/L		110	70 - 123	0	30
2,6-Dinitrotoluene			80.0	86.6		ug/L		108	68 - 121	5	30
2-Chloronaphthalene			80.0	78.6		ug/L		98	54 - 105	3	30
2-Chlorophenol			80.0	69.2		ug/L		86	54 - 92	2	30
2-Methylnaphthalene			80.0	71.8		ug/L		90	47 - 104	0	30
2-Methylphenol			80.0	63.1		ug/L		79	43 - 80	3	30
2-Nitroaniline			80.0	86.9		ug/L		109	46 - 124	3	30
2-Nitrophenol			80.0	80.3		ug/L		100	58 - 109	0	30
3,3'-Dichlorobenzidine			80.0	72.6		ug/L		91	68 - 123	7	30
3-Nitroaniline			80.0	77.7		ug/L		97	60 - 117	0	30
4,6-Dinitro-2-methylphenol			160	195		ug/L		122	59 - 132	1	30
4-Bromophenyl phenyl ether			80.0	77.8		ug/L		97	57 - 126	0	30
4-Chloro-3-methylphenol			80.0	70.8		ug/L		89	58 - 98	3	30
4-Chloroaniline			80.0	59.8		ug/L		75	51 - 108	2	30
4-Chlorophenyl phenyl ether			80.0	80.6		ug/L		101	60 - 114	4	30
4-Nitroaniline			80.0	75.0		ug/L		94	48 - 135	7	30
4-Nitrophenol			160	64.4		ug/L		40	11 - 47	7	30
Acenaphthene			80.0	75.2		ug/L		94	58 - 107	4	30
Acenaphthylene			80.0	80.7		ug/L		101	61 - 106	3	30
Acetophenone			80.0	78.4		ug/L		98	54 - 115	0	30
Anthracene			80.0	79.2		ug/L		99	70 - 118	3	30
Benzo[a]anthracene			80.0	83.1		ug/L		104	73 - 119	1	30
Benzo[a]pyrene			80.0	80.0		ug/L		100	76 - 125	0	30
Benzo[b]fluoranthene			80.0	82.8		ug/L		104	78 - 123	4	30
Benzo[g,h,i]perylene			80.0	99.3		ug/L		124	63 - 133	14	30
Benzo[k]fluoranthene			80.0	82.3		ug/L		103	71 - 126	2	30
Bis(2-chloroethoxy)methane			80.0	78.0		ug/L		98	67 - 104	0	30
Bis(2-chloroethyl)ether			80.0	78.6		ug/L		98	63 - 106	2	30
Bis(2-ethylhexyl) phthalate			80.0	89.6		ug/L		112	63 - 135	1	30
Butyl benzyl phthalate			80.0	97.2		ug/L		122	66 - 129	5	30
Carbazole			80.0	77.8		ug/L		97	68 - 121	8	30
Chrysene			80.0	85.9		ug/L		107	73 - 121	1	30
Dibenz(a,h)anthracene			80.0	97.9		ug/L		122	59 - 136	10	30
Dibenzofuran			80.0	80.7		ug/L		101	67 - 108	1	30

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

Lab Sample ID: LCSD 460-639875/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639842
Prep Batch: 639875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			80.0	79.7		ug/L		100	61 - 129	3	30
Dimethyl phthalate			80.0	79.2		ug/L		99	65 - 121	2	30
Di-n-butyl phthalate			80.0	80.5		ug/L		101	64 - 130	5	30
Di-n-octyl phthalate			80.0	89.8		ug/L		112	64 - 131	8	30
Fluoranthene			80.0	74.6		ug/L		93	66 - 123	13	30
Fluorene			80.0	79.4		ug/L		99	67 - 112	3	30
Hexachlorobenzene			80.0	80.5		ug/L		101	63 - 125	0	30
Hexachlorobutadiene			80.0	61.7		ug/L		77	34 - 99	1	30
Hexachlorocyclopentadiene			80.0	57.8		ug/L		72	18 - 99	11	30
Hexachloroethane			80.0	59.9		ug/L		75	39 - 92	2	30
Indeno[1,2,3-cd]pyrene			80.0	94.0		ug/L		118	57 - 142	8	30
Isophorone			80.0	78.2		ug/L		98	55 - 105	0	30
Naphthalene			80.0	70.1		ug/L		88	51 - 98	0	30
Nitrobenzene			80.0	83.4		ug/L		104	56 - 106	3	30
N-Nitrosodi-n-propylamine			80.0	79.0		ug/L		99	48 - 118	1	30
N-Nitrosodiphenylamine			80.0	81.6		ug/L		102	69 - 118	0	30
Pentachlorophenol			160	163		ug/L		102	54 - 120	3	30
Phenanthrene			80.0	81.2		ug/L		101	70 - 117	2	30
Phenol			80.0	32.6		ug/L		41	16 - 43	0	30
Pyrene			80.0	99.9		ug/L		125	63 - 129	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*26 - 139*
2-Fluorobiphenyl	*91*		*45 - 107*
2-Fluorophenol (Surr)	*56*		*25 - 58*
Nitrobenzene-d5 (Surr)	*95*		*51 - 108*
Phenol-d5 (Surr)	*38*		*14 - 39*
Terphenyl-d14 (Surr)	*115*		*40 - 148*

Lab Sample ID: LCSD 460-639875/5-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639842
Prep Batch: 639875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine			160	164		ug/L		102	38 - 146	5	30
Benzaldehyde			160	137		ug/L		86	46 - 111	4	30
Caprolactam			160	41.1		ug/L		26	10 - 43	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*26 - 139*
2-Fluorobiphenyl	*88*		*45 - 107*
2-Fluorophenol (Surr)	*50*		*25 - 58*
Nitrobenzene-d5 (Surr)	*96*		*51 - 108*
Phenol-d5 (Surr)	*34*		*14 - 39*
Terphenyl-d14 (Surr)	*90*		*40 - 148*

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-639846/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639968
Prep Batch: 639846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	U	0.010	0.0040	mg/L		09/17/19 08:08	09/17/19 16:10	1

Lab Sample ID: LCS 460-639846/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639968
Prep Batch: 639846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.104		mg/L		104	85 - 115

Lab Sample ID: 460-191351-2 MS
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639968
Prep Batch: 639846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0040	U F1	0.200	0.234	F1	mg/L		117	90 - 110

Lab Sample ID: 460-191351-2 MSD
Client Sample ID: MW-17D 091019
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639968
Prep Batch: 639846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0040	U F1	0.200	0.228	F1	mg/L		114	90 - 110	3	35

Lab Sample ID: 460-191351-12 MS
Client Sample ID: MW-36D 091119
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639968
Prep Batch: 639846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0040	U F1	0.200	0.225	F1	mg/L		113	90 - 110

Lab Sample ID: 460-191351-12 MSD
Client Sample ID: MW-36D 091119
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639968
Prep Batch: 639846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0040	U F1	0.200	0.225	F1	mg/L		113	90 - 110	0	35

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control 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/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control 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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

GC/MS VOA

Analysis Batch: 639562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-5	MW-2I 091119	Total/NA	Water	8260C	
460-191351-6	MW-46I 091119	Total/NA	Water	8260C	
460-191351-7	MW-40D 091119	Total/NA	Water	8260C	
460-191351-8	TW-2S 091119	Total/NA	Water	8260C	
460-191351-9	MW-38D 091119	Total/NA	Water	8260C	
460-191351-10	MW-38I 091119	Total/NA	Water	8260C	
460-191351-11	MW-36I 091119	Total/NA	Water	8260C	
MB 460-639562/8	Method Blank	Total/NA	Water	8260C	
LCS 460-639562/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-639562/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 639801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-1	MW-171 091119	Total/NA	Water	8260C	
460-191351-2	MW-17D 091019	Total/NA	Water	8260C	
460-191351-3	DUP	Total/NA	Water	8260C	
460-191351-4	MW-2 091119	Total/NA	Water	8260C	
460-191351-12	MW-36D 091119	Total/NA	Water	8260C	
460-191351-13	MW-17 091119	Total/NA	Water	8260C	
460-191351-14	TB	Total/NA	Water	8260C	
MB 460-639801/8	Method Blank	Total/NA	Water	8260C	
LCS 460-639801/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-639801/5	Lab Control Sample Dup	Total/NA	Water	8260C	
460-191351-2 MS	MW-17D 091019	Total/NA	Water	8260C	
460-191351-2 MSD	MW-17D 091019	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 639610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-1	MW-171 091119	Total/NA	Water	3510C	
460-191351-3	DUP	Total/NA	Water	3510C	
460-191351-4	MW-2 091119	Total/NA	Water	3510C	
460-191351-5	MW-2I 091119	Total/NA	Water	3510C	
460-191351-6	MW-46I 091119	Total/NA	Water	3510C	
460-191351-7	MW-40D 091119	Total/NA	Water	3510C	
460-191351-8	TW-2S 091119	Total/NA	Water	3510C	
460-191351-9	MW-38D 091119	Total/NA	Water	3510C	
460-191351-10	MW-38I 091119	Total/NA	Water	3510C	
460-191351-11	MW-36I 091119	Total/NA	Water	3510C	
460-191351-12	MW-36D 091119	Total/NA	Water	3510C	
460-191351-13	MW-17 091119	Total/NA	Water	3510C	
MB 460-639610/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-639610/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 460-639610/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-639610/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 460-639610/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-191351-2 MS	MW-17D 091019	Total/NA	Water	3510C	
460-191351-2 MSD	MW-17D 091019	Total/NA	Water	3510C	

GC/MS Semi VOA

Analysis Batch: 639701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-1	MW-171 091119	Total/NA	Water	8270D	639610
460-191351-3	DUP	Total/NA	Water	8270D	639610
460-191351-4	MW-2 091119	Total/NA	Water	8270D	639610
460-191351-5	MW-2I 091119	Total/NA	Water	8270D	639610
460-191351-6	MW-46I 091119	Total/NA	Water	8270D	639610
460-191351-7	MW-40D 091119	Total/NA	Water	8270D	639610
460-191351-8	TW-2S 091119	Total/NA	Water	8270D	639610
460-191351-9	MW-38D 091119	Total/NA	Water	8270D	639610
460-191351-10	MW-38I 091119	Total/NA	Water	8270D	639610
460-191351-11	MW-36I 091119	Total/NA	Water	8270D	639610
460-191351-12	MW-36D 091119	Total/NA	Water	8270D	639610
460-191351-13	MW-17 091119	Total/NA	Water	8270D	639610
MB 460-639610/1-A	Method Blank	Total/NA	Water	8270D	639610
LCS 460-639610/2-A	Lab Control Sample	Total/NA	Water	8270D	639610
LCS 460-639610/4-A	Lab Control Sample	Total/NA	Water	8270D	639610
LCSD 460-639610/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	639610
LCSD 460-639610/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	639610
460-191351-2 MS	MW-17D 091019	Total/NA	Water	8270D	639610
460-191351-2 MSD	MW-17D 091019	Total/NA	Water	8270D	639610

Analysis Batch: 639842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-2	MW-17D 091019	Total/NA	Water	8270D	639875
MB 460-639875/1-A	Method Blank	Total/NA	Water	8270D	639875
LCS 460-639875/2-A	Lab Control Sample	Total/NA	Water	8270D	639875
LCS 460-639875/4-A	Lab Control Sample	Total/NA	Water	8270D	639875
LCSD 460-639875/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	639875
LCSD 460-639875/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	639875

Prep Batch: 639875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-2	MW-17D 091019	Total/NA	Water	3510C	
MB 460-639875/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-639875/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 460-639875/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-639875/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 460-639875/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

General Chemistry

Prep Batch: 639846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-1	MW-171 091119	Total/NA	Water	9012B	
460-191351-2	MW-17D 091019	Total/NA	Water	9012B	
460-191351-3	DUP	Total/NA	Water	9012B	
460-191351-4	MW-2 091119	Total/NA	Water	9012B	
460-191351-5	MW-2I 091119	Total/NA	Water	9012B	
460-191351-6	MW-46I 091119	Total/NA	Water	9012B	
460-191351-7	MW-40D 091119	Total/NA	Water	9012B	
460-191351-8	TW-2S 091119	Total/NA	Water	9012B	
460-191351-9	MW-38D 091119	Total/NA	Water	9012B	

General Chemistry (Continued)

Prep Batch: 639846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-10	MW-38I 091119	Total/NA	Water	9012B	
460-191351-11	MW-36I 091119	Total/NA	Water	9012B	
460-191351-12	MW-36D 091119	Total/NA	Water	9012B	
460-191351-13	MW-17 091119	Total/NA	Water	9012B	
MB 460-639846/1-A	Method Blank	Total/NA	Water	9012B	
LCS 460-639846/2-A	Lab Control Sample	Total/NA	Water	9012B	
460-191351-2 MS	MW-17D 091019	Total/NA	Water	9012B	
460-191351-2 MSD	MW-17D 091019	Total/NA	Water	9012B	
460-191351-12 MS	MW-36D 091119	Total/NA	Water	9012B	
460-191351-12 MSD	MW-36D 091119	Total/NA	Water	9012B	

Analysis Batch: 639968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-191351-1	MW-171 091119	Total/NA	Water	9012B	639846
460-191351-2	MW-17D 091019	Total/NA	Water	9012B	639846
460-191351-3	DUP	Total/NA	Water	9012B	639846
460-191351-4	MW-2 091119	Total/NA	Water	9012B	639846
460-191351-5	MW-2I 091119	Total/NA	Water	9012B	639846
460-191351-6	MW-46I 091119	Total/NA	Water	9012B	639846
460-191351-7	MW-40D 091119	Total/NA	Water	9012B	639846
460-191351-8	TW-2S 091119	Total/NA	Water	9012B	639846
460-191351-9	MW-38D 091119	Total/NA	Water	9012B	639846
460-191351-10	MW-38I 091119	Total/NA	Water	9012B	639846
460-191351-11	MW-36I 091119	Total/NA	Water	9012B	639846
460-191351-12	MW-36D 091119	Total/NA	Water	9012B	639846
460-191351-13	MW-17 091119	Total/NA	Water	9012B	639846
MB 460-639846/1-A	Method Blank	Total/NA	Water	9012B	639846
LCS 460-639846/2-A	Lab Control Sample	Total/NA	Water	9012B	639846
460-191351-2 MS	MW-17D 091019	Total/NA	Water	9012B	639846
460-191351-2 MSD	MW-17D 091019	Total/NA	Water	9012B	639846
460-191351-12 MS	MW-36D 091119	Total/NA	Water	9012B	639846
460-191351-12 MSD	MW-36D 091119	Total/NA	Water	9012B	639846

Lab Chronicle

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Client Sample ID: MW-171 091119
Lab Sample ID: 460-191351-1
Date Collected: 09/10/19 15:00
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 14:39	DAS	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/16/19 23:28	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:38	AJP	TAL EDI

Client Sample ID: MW-17D 091019
Lab Sample ID: 460-191351-2
Date Collected: 09/10/19 15:05
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 14:14	DAS	TAL EDI
Total/NA	Prep	3510C			639875	09/17/19 10:02	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639842	09/17/19 18:13	CAZ	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:12	AJP	TAL EDI

Client Sample ID: DUP
Lab Sample ID: 460-191351-3
Date Collected: 09/10/19 00:00
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 13:49	DAS	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/16/19 23:48	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:15	AJP	TAL EDI

Client Sample ID: MW-2 091119
Lab Sample ID: 460-191351-4
Date Collected: 09/11/19 08:40
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 13:24	DAS	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 00:09	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:15	AJP	TAL EDI

Client Sample ID: MW-2I 091119
Lab Sample ID: 460-191351-5
Date Collected: 09/11/19 08:50
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639562	09/16/19 15:24	SZD	TAL EDI

Client Sample ID: MW-2I 091119
Lab Sample ID: 460-191351-5
Date Collected: 09/11/19 08:50
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 00:31	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:16	AJP	TAL EDI

Client Sample ID: MW-46I 091119
Lab Sample ID: 460-191351-6
Date Collected: 09/11/19 10:05
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639562	09/16/19 15:49	SZD	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 00:52	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:21	AJP	TAL EDI

Client Sample ID: MW-40D 091119
Lab Sample ID: 460-191351-7
Date Collected: 09/11/19 11:45
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639562	09/16/19 16:14	SZD	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 01:13	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:22	AJP	TAL EDI

Client Sample ID: TW-2S 091119
Lab Sample ID: 460-191351-8
Date Collected: 09/11/19 10:20
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639562	09/16/19 17:54	SZD	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 01:34	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:22	AJP	TAL EDI

Client Sample ID: MW-38D 091119
Lab Sample ID: 460-191351-9
Date Collected: 09/11/19 13:05
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639562	09/16/19 16:39	SZD	TAL EDI

Lab Chronicle

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Client Sample ID: MW-38D 091119
Lab Sample ID: 460-191351-9
Date Collected: 09/11/19 13:05
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 01:55	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:23	AJP	TAL EDI

Client Sample ID: MW-38I 091119
Lab Sample ID: 460-191351-10
Date Collected: 09/11/19 13:05
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639562	09/16/19 17:04	SZD	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 05:25	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:24	AJP	TAL EDI

Client Sample ID: MW-36I 091119
Lab Sample ID: 460-191351-11
Date Collected: 09/11/19 14:35
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639562	09/16/19 17:29	SZD	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 02:16	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:25	AJP	TAL EDI

Client Sample ID: MW-36D 091119
Lab Sample ID: 460-191351-12
Date Collected: 09/11/19 14:20
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 15:04	DAS	TAL EDI
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 02:37	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:26	AJP	TAL EDI

Client Sample ID: MW-17 091119
Lab Sample ID: 460-191351-13
Date Collected: 09/11/19 15:40
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 15:29	DAS	TAL EDI

Lab Chronicle

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Client Sample ID: MW-17 091119
Lab Sample ID: 460-191351-13

Date Collected: 09/11/19 15:40
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			639610	09/16/19 09:40	DXB	TAL EDI
Total/NA	Analysis	8270D		1	639701	09/17/19 05:46	MME	TAL EDI
Total/NA	Prep	9012B			639846	09/17/19 08:08	MBE	TAL EDI
Total/NA	Analysis	9012B		1	639968	09/17/19 16:29	AJP	TAL EDI

Client Sample ID: TB
Lab Sample ID: 460-191351-14

Date Collected: 09/11/19 15:40
Matrix: Water
Date Received: 09/12/19 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	639801	09/17/19 11:16	DAS	TAL EDI

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Job ID: 460-191351-1
Project/Site: NYSEG - Former MGP Site Mechanicville

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-171 091119	460-191351-1	99	100	95	91
MW-17D 091019	460-191351-2	102	99	94	94
DUP	460-191351-3	102	97	93	93
MW-2 091119	460-191351-4	101	98	95	93
MW-2I 091119	460-191351-5	101	99	94	91
MW-46I 091119	460-191351-6	101	99	96	94
MW-40D 091119	460-191351-7	102	101	94	92
TW-2S 091119	460-191351-8	100	98	96	96
MW-38D 091119	460-191351-9	101	102	97	91
MW-38I 091119	460-191351-10	101	102	96	94
MW-36I 091119	460-191351-11	102	102	96	88
MW-36D 091119	460-191351-12	101	97	95	92
MW-17 091119	460-191351-13	103	98	95	93
TB	460-191351-14	98	95	94	90
	MB 460-639562/8	98	96	94	90
	MB 460-639801/8	98	97	95	90
	LCS 460-639562/3	97	92	94	97
	LCS 460-639801/4	98	98	94	97
	LCSD 460-639562/4	97	96	96	95
	LCSD 460-639801/5	97	97	95	97
MW-17D 091019 MS	460-191351-2 MS	99	97	93	98
MW-17D 091019 MSD	460-191351-2 MSD	99	93	95	100

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	72-131
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	77-124

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65892.D

Lab ID: LCS 460-639562/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.4	97	75-125	
1,1,2,2-Tetrachloroethane	20.0	22.8	114	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.8	89	59-150	
1,1,2-Trichloroethane	20.0	21.1	106	78-120	
1,1-Dichloroethane	20.0	20.0	100	77-123	
1,1-Dichloroethene	20.0	18.9	95	74-123	
1,2,4-Trichlorobenzene	20.0	22.7	114	80-124	
1,2-Dibromo-3-Chloropropane	20.0	23.6	118	55-134	
1,2-Dichlorobenzene	20.0	22.8	114	80-120	
1,2-Dichloroethane	20.0	19.9	100	76-121	
1,2-Dichloropropane	20.0	21.1	105	77-123	
1,3-Dichlorobenzene	20.0	21.9	110	80-120	
1,4-Dichlorobenzene	20.0	21.7	109	80-120	
2-Butanone (MEK)	100	94.1	94	64-120	
2-Hexanone	100	112	112	71-125	
4-Methyl-2-pentanone (MIBK)	100	111	111	78-124	
Acetone	100	97.9	98	39-150	
Benzene	20.0	21.0	105	77-121	
Bromoform	20.0	21.2	106	53-120	
Bromomethane	20.0	18.6	93	10-150	
Carbon disulfide	20.0	18.9	95	69-133	
Carbon tetrachloride	20.0	18.3	92	70-132	
Chlorobenzene	20.0	20.4	102	80-120	
Chlorodibromomethane	20.0	20.4	102	73-120	
Chloroethane	20.0	23.3	116	52-150	
Chloroform	20.0	21.2	106	80-120	
Chloromethane	20.0	20.6	103	56-131	
cis-1,2-Dichloroethene	20.0	20.6	103	80-120	
cis-1,3-Dichloropropene	20.0	21.5	108	77-120	
Cyclohexane	20.0	17.1	86	56-150	
Dichlorobromomethane	20.0	20.8	104	76-120	
Dichlorodifluoromethane	20.0	16.6	83	50-131	
Ethylbenzene	20.0	20.9	105	80-120	
Ethylene Dibromide	20.0	20.6	103	80-120	
Isopropylbenzene	20.0	21.4	107	80-123	
Methyl acetate	40.0	39.3	98	66-144	
Methyl tert-butyl ether	20.0	21.3	106	79-122	
Methylcyclohexane	20.0	16.7	83	61-145	
Methylene Chloride	20.0	19.6	98	77-123	
Styrene	20.0	20.6	103	80-120	
Tetrachloroethene	20.0	19.8	99	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65892.D

Lab ID: LCS 460-639562/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	20.0	20.4	102	80-120	
trans-1,2-Dichloroethene	20.0	19.9	100	79-120	
trans-1,3-Dichloropropene	20.0	22.0	110	76-120	
Trichloroethene	20.0	19.7	99	77-120	
Trichlorofluoromethane	20.0	21.2	106	71-143	
Vinyl chloride	20.0	21.3	106	62-138	
Xylenes, Total	40.0	40.3	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65921.D

Lab ID: LCS 460-639801/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.1	101	75-125	
1,1,2,2-Tetrachloroethane	20.0	21.1	106	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.7	94	59-150	
1,1,2-Trichloroethane	20.0	20.6	103	78-120	
1,1-Dichloroethane	20.0	23.7	118	77-123	
1,1-Dichloroethene	20.0	21.5	108	74-123	
1,2,4-Trichlorobenzene	20.0	22.6	113	80-124	
1,2-Dibromo-3-Chloropropane	20.0	23.1	115	55-134	
1,2-Dichlorobenzene	20.0	21.6	108	80-120	
1,2-Dichloroethane	20.0	19.9	100	76-121	
1,2-Dichloropropane	20.0	21.0	105	77-123	
1,3-Dichlorobenzene	20.0	21.8	109	80-120	
1,4-Dichlorobenzene	20.0	21.4	107	80-120	
2-Butanone (MEK)	100	96.8	97	64-120	
2-Hexanone	100	107	107	71-125	
4-Methyl-2-pentanone (MIBK)	100	102	102	78-124	
Acetone	100	119	119	39-150	
Benzene	20.0	20.8	104	77-121	
Bromoform	20.0	20.6	103	53-120	
Bromomethane	20.0	16.6	83	10-150	
Carbon disulfide	20.0	21.1	105	69-133	
Carbon tetrachloride	20.0	19.1	96	70-132	
Chlorobenzene	20.0	20.7	104	80-120	
Chlorodibromomethane	20.0	19.6	98	73-120	
Chloroethane	20.0	25.6	128	52-150	
Chloroform	20.0	21.9	110	80-120	
Chloromethane	20.0	22.7	113	56-131	
cis-1,2-Dichloroethene	20.0	21.8	109	80-120	
cis-1,3-Dichloropropene	20.0	21.7	109	77-120	
Cyclohexane	20.0	18.1	90	56-150	
Dichlorobromomethane	20.0	20.4	102	76-120	
Dichlorodifluoromethane	20.0	11.6	58	50-131	
Ethylbenzene	20.0	21.3	107	80-120	
Ethylene Dibromide	20.0	20.5	103	80-120	
Isopropylbenzene	20.0	21.8	109	80-123	
Methyl acetate	40.0	37.5	94	66-144	
Methyl tert-butyl ether	20.0	24.2	121	79-122	
Methylcyclohexane	20.0	17.4	87	61-145	
Methylene Chloride	20.0	22.1	110	77-123	
Styrene	20.0	20.8	104	80-120	
Tetrachloroethene	20.0	20.8	104	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65921.D

Lab ID: LCS 460-639801/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	20.0	20.5	102	80-120	
trans-1,2-Dichloroethene	20.0	23.3	117	79-120	
trans-1,3-Dichloropropene	20.0	21.3	107	76-120	
Trichloroethene	20.0	20.8	104	77-120	
Trichlorofluoromethane	20.0	20.2	101	71-143	
Vinyl chloride	20.0	25.3	127	62-138	
Xylenes, Total	40.0	41.0	102	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65893.D

Lab ID: LCSD 460-639562/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.3	107	9	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	22.3	111	2	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.9	89	0	30	59-150	
1,1,2-Trichloroethane	20.0	21.5	108	2	30	78-120	
1,1-Dichloroethane	20.0	22.2	111	10	30	77-123	
1,1-Dichloroethene	20.0	21.8	109	14	30	74-123	
1,2,4-Trichlorobenzene	20.0	23.0	115	1	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	22.3	111	6	30	55-134	
1,2-Dichlorobenzene	20.0	22.8	114	0	30	80-120	
1,2-Dichloroethane	20.0	21.1	105	6	30	76-121	
1,2-Dichloropropane	20.0	22.1	110	5	30	77-123	
1,3-Dichlorobenzene	20.0	22.8	114	4	30	80-120	
1,4-Dichlorobenzene	20.0	22.2	111	2	30	80-120	
2-Butanone (MEK)	100	97.5	98	4	30	64-120	
2-Hexanone	100	113	113	1	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	111	111	0	30	78-124	
Acetone	100	102	102	4	30	39-150	
Benzene	20.0	22.2	111	6	30	77-121	
Bromoform	20.0	20.5	102	3	30	53-120	
Bromomethane	20.0	19.7	98	6	30	10-150	
Carbon disulfide	20.0	21.1	105	11	30	69-133	
Carbon tetrachloride	20.0	20.0	100	9	30	70-132	
Chlorobenzene	20.0	21.7	108	6	30	80-120	
Chlorodibromomethane	20.0	20.8	104	2	30	73-120	
Chloroethane	20.0	25.3	127	9	30	52-150	
Chloroform	20.0	22.5	113	6	30	80-120	
Chloromethane	20.0	22.4	112	9	30	56-131	
cis-1,2-Dichloroethene	20.0	22.5	113	9	30	80-120	
cis-1,3-Dichloropropene	20.0	22.3	111	4	30	77-120	
Cyclohexane	20.0	19.0	95	10	30	56-150	
Dichlorobromomethane	20.0	21.5	108	3	30	76-120	
Dichlorodifluoromethane	20.0	17.4	87	5	30	50-131	
Ethylbenzene	20.0	22.2	111	6	30	80-120	
Ethylene Dibromide	20.0	21.1	105	2	30	80-120	
Isopropylbenzene	20.0	22.9	114	7	30	80-123	
Methyl acetate	40.0	39.5	99	0	30	66-144	
Methyl tert-butyl ether	20.0	22.3	112	5	30	79-122	
Methylcyclohexane	20.0	17.6	88	6	30	61-145	
Methylene Chloride	20.0	20.3	101	4	30	77-123	
Styrene	20.0	21.7	109	5	30	80-120	
Tetrachloroethene	20.0	21.4	107	8	30	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65893.D

Lab ID: LCSD 460-639562/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	20.0	21.9	109	7	30	80-120	
trans-1,2-Dichloroethene	20.0	22.3	111	11	30	79-120	
trans-1,3-Dichloropropene	20.0	22.2	111	1	30	76-120	
Trichloroethene	20.0	21.6	108	9	30	77-120	
Trichlorofluoromethane	20.0	23.2	116	9	30	71-143	
Vinyl chloride	20.0	24.5	122	14	30	62-138	
Xylenes, Total	40.0	43.0	107	6	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65922.D

Lab ID: LCSD 460-639801/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.3	102	1	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	21.6	108	2	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.7	88	6	30	59-150	
1,1,2-Trichloroethane	20.0	20.9	105	1	30	78-120	
1,1-Dichloroethane	20.0	24.1	121	2	30	77-123	
1,1-Dichloroethene	20.0	20.3	102	6	30	74-123	
1,2,4-Trichlorobenzene	20.0	23.0	115	2	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	24.3	121	5	30	55-134	
1,2-Dichlorobenzene	20.0	22.2	111	2	30	80-120	
1,2-Dichloroethane	20.0	20.2	101	2	30	76-121	
1,2-Dichloropropane	20.0	21.5	108	3	30	77-123	
1,3-Dichlorobenzene	20.0	22.4	112	3	30	80-120	
1,4-Dichlorobenzene	20.0	21.9	109	2	30	80-120	
2-Butanone (MEK)	100	95.4	95	1	30	64-120	
2-Hexanone	100	110	110	3	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	106	106	3	30	78-124	
Acetone	100	118	118	1	30	39-150	
Benzene	20.0	21.3	106	2	30	77-121	
Bromoform	20.0	21.3	107	3	30	53-120	
Bromomethane	20.0	18.5	92	10	30	10-150	
Carbon disulfide	20.0	20.7	104	2	30	69-133	
Carbon tetrachloride	20.0	19.1	95	0	30	70-132	
Chlorobenzene	20.0	20.8	104	0	30	80-120	
Chlorodibromomethane	20.0	19.6	98	0	30	73-120	
Chloroethane	20.0	23.5	118	8	30	52-150	
Chloroform	20.0	21.5	108	2	30	80-120	
Chloromethane	20.0	21.0	105	8	30	56-131	
cis-1,2-Dichloroethene	20.0	21.6	108	1	30	80-120	
cis-1,3-Dichloropropene	20.0	22.0	110	1	30	77-120	
Cyclohexane	20.0	17.7	88	2	30	56-150	
Dichlorobromomethane	20.0	20.4	102	0	30	76-120	
Dichlorodifluoromethane	20.0	11.1	55	5	30	50-131	
Ethylbenzene	20.0	21.3	107	0	30	80-120	
Ethylene Dibromide	20.0	20.6	103	0	30	80-120	
Isopropylbenzene	20.0	21.9	110	0	30	80-123	
Methyl acetate	40.0	37.4	93	0	30	66-144	
Methyl tert-butyl ether	20.0	24.0	120	1	30	79-122	
Methylcyclohexane	20.0	16.6	83	5	30	61-145	
Methylene Chloride	20.0	22.1	111	0	30	77-123	
Styrene	20.0	20.6	103	1	30	80-120	
Tetrachloroethene	20.0	20.6	103	1	30	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65922.D

Lab ID: LCSD 460-639801/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	20.0	21.0	105	2	30	80-120	
trans-1,2-Dichloroethene	20.0	23.0	115	2	30	79-120	
trans-1,3-Dichloropropene	20.0	21.7	109	2	30	76-120	
Trichloroethene	20.0	20.9	105	1	30	77-120	
Trichlorofluoromethane	20.0	19.1	96	5	30	71-143	
Vinyl chloride	20.0	24.1	120	5	30	62-138	
Xylenes, Total	40.0	41.8	104	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65943.D

Lab ID: 460-191351-2 MS Client ID: MW-17D 091019 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	0.24 U	18.7	94	75-125	
1,1,2,2-Tetrachloroethane	20.0	0.37 U	21.0	105	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	0.31 U	16.2	81	59-150	
1,1,2-Trichloroethane	20.0	0.43 U	20.2	101	78-120	
1,1-Dichloroethane	20.0	0.26 U	22.5	112	77-123	
1,1-Dichloroethene	20.0	0.26 U	19.1	95	74-123	
1,2,4-Trichlorobenzene	20.0	0.37 U	19.7	99	80-124	
1,2-Dibromo-3-Chloropropane	20.0	0.38 U	21.7	109	55-134	
1,2-Dichlorobenzene	20.0	0.43 U	20.6	103	80-120	
1,2-Dichloroethane	20.0	0.43 U	18.8	94	76-121	
1,2-Dichloropropane	20.0	0.35 U	19.8	99	77-123	
1,3-Dichlorobenzene	20.0	0.34 U	20.2	101	80-120	
1,4-Dichlorobenzene	20.0	0.33 U	19.8	99	80-120	
2-Butanone (MEK)	100	1.9 U	90.5	91	64-120	
2-Hexanone	100	1.1 U	100	100	71-125	
4-Methyl-2-pentanone (MIBK)	100	1.3 U	98.4	98	78-124	
Acetone	100	4.4 U	107	107	39-150	
Benzene	20.0	0.20 U	19.3	97	77-121	
Bromoform	20.0	0.54 U	20.8	104	53-120	
Bromomethane	20.0	0.55 U	13.2	66	10-150	
Carbon disulfide	20.0	0.82 U	18.6	93	69-133	
Carbon tetrachloride	20.0	0.21 U	17.6	88	70-132	
Chlorobenzene	20.0	0.38 U	19.4	97	80-120	
Chlorodibromomethane	20.0	0.28 U	18.9	95	73-120	
Chloroethane	20.0	0.32 U	20.7	104	52-150	
Chloroform	20.0	0.33 U	20.3	102	80-120	
Chloromethane	20.0	0.40 U	18.8	94	56-131	
cis-1,2-Dichloroethene	20.0	0.22 U	20.2	101	80-120	
cis-1,3-Dichloropropene	20.0	0.22 U	18.2	91	77-120	
Cyclohexane	20.0	0.32 U	14.7	74	56-150	
Dichlorobromomethane	20.0	0.34 U	19.5	98	76-120	
Dichlorodifluoromethane	20.0	0.31 U	14.9	75	50-131	
Ethylbenzene	20.0	0.30 U	19.5	98	80-120	
Ethylene Dibromide	20.0	0.50 U	19.3	97	80-120	
Isopropylbenzene	20.0	0.34 U	19.6	98	80-123	
Methyl acetate	40.0	0.79 U	32.4	81	66-144	
Methyl tert-butyl ether	20.0	0.47 U	22.1	110	79-122	
Methylcyclohexane	20.0	0.26 U	14.2	71	61-145	
Methylene Chloride	20.0	0.32 U	20.2	101	77-123	
Styrene	20.0	0.42 U	18.6	93	80-120	
Tetrachloroethene	20.0	0.25 U	18.8	94	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65943.D

Lab ID: 460-191351-2 MS Client ID: MW-17D 091019 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	20.0	0.38 U	19.0	95	80-120	
trans-1,2-Dichloroethene	20.0	0.24 U	21.1	106	79-120	
trans-1,3-Dichloropropene	20.0	0.49 U	18.7	94	76-120	
Trichloroethene	20.0	0.31 U	20.4	102	77-120	
Trichlorofluoromethane	20.0	0.32 U	21.0	105	71-143	
Vinyl chloride	20.0	0.17 U	23.0	115	62-138	
Xylenes, Total	40.0	0.65 U	37.3	93	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65944.D

Lab ID: 460-191351-2 MSD Client ID: MW-17D 091019 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.8	104	10	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	22.3	111	6	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.1	85	5	30	59-150	
1,1,2-Trichloroethane	20.0	21.9	109	8	30	78-120	
1,1-Dichloroethane	20.0	24.7	124	10	30	77-123	F1
1,1-Dichloroethene	20.0	21.5	108	12	30	74-123	
1,2,4-Trichlorobenzene	20.0	22.2	111	12	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	22.7	114	5	30	55-134	
1,2-Dichlorobenzene	20.0	22.5	113	9	30	80-120	
1,2-Dichloroethane	20.0	20.8	104	10	30	76-121	
1,2-Dichloropropane	20.0	22.0	110	10	30	77-123	
1,3-Dichlorobenzene	20.0	22.0	110	9	30	80-120	
1,4-Dichlorobenzene	20.0	22.2	111	11	30	80-120	
2-Butanone (MEK)	100	103	103	13	30	64-120	
2-Hexanone	100	114	114	13	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	112	112	13	30	78-124	
Acetone	100	117	117	9	30	39-150	
Benzene	20.0	21.9	110	12	30	77-121	
Bromoform	20.0	22.1	110	6	30	53-120	
Bromomethane	20.0	17.4	87	28	30	10-150	
Carbon disulfide	20.0	20.7	104	11	30	69-133	
Carbon tetrachloride	20.0	19.5	98	10	30	70-132	
Chlorobenzene	20.0	22.2	111	14	30	80-120	
Chlorodibromomethane	20.0	20.4	102	7	30	73-120	
Chloroethane	20.0	22.7	114	9	30	52-150	
Chloroform	20.0	22.6	113	10	30	80-120	
Chloromethane	20.0	21.6	108	14	30	56-131	
cis-1,2-Dichloroethene	20.0	21.5	108	7	30	80-120	
cis-1,3-Dichloropropene	20.0	21.2	106	15	30	77-120	
Cyclohexane	20.0	16.7	84	13	30	56-150	
Dichlorobromomethane	20.0	21.3	107	9	30	76-120	
Dichlorodifluoromethane	20.0	15.9	80	6	30	50-131	
Ethylbenzene	20.0	21.9	110	12	30	80-120	
Ethylene Dibromide	20.0	21.1	106	9	30	80-120	
Isopropylbenzene	20.0	22.2	111	13	30	80-123	
Methyl acetate	40.0	36.1	90	11	30	66-144	
Methyl tert-butyl ether	20.0	24.4	122	10	30	79-122	
Methylcyclohexane	20.0	15.9	79	11	30	61-145	
Methylene Chloride	20.0	22.6	113	11	30	77-123	
Styrene	20.0	21.4	107	14	30	80-120	
Tetrachloroethene	20.0	21.3	107	12	30	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65944.D

Lab ID: 460-191351-2 MSD Client ID: MW-17D 091019 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	20.0	21.6	108	13	30	80-120	
trans-1,2-Dichloroethene	20.0	23.4	117	10	30	79-120	
trans-1,3-Dichloropropene	20.0	21.1	105	12	30	76-120	
Trichloroethene	20.0	21.8	109	6	30	77-120	
Trichlorofluoromethane	20.0	23.0	115	9	30	71-143	
Vinyl chloride	20.0	25.2	126	9	30	62-138	
Xylenes, Total	40.0	42.5	106	13	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: P65897.D Lab Sample ID: MB 460-639562/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS13 Date Analyzed: 09/16/2019 09:59

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-639562/3	P65892.D	09/16/2019 07:54
	LCSD 460-639562/4	P65893.D	09/16/2019 08:19
MW-2I 091119	460-191351-5	P65910.D	09/16/2019 15:24
MW-46I 091119	460-191351-6	P65911.D	09/16/2019 15:49
MW-40D 091119	460-191351-7	P65912.D	09/16/2019 16:14
MW-38D 091119	460-191351-9	P65913.D	09/16/2019 16:39
MW-38I 091119	460-191351-10	P65914.D	09/16/2019 17:04
MW-36I 091119	460-191351-11	P65915.D	09/16/2019 17:29
TW-2S 091119	460-191351-8	P65916.D	09/16/2019 17:54

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: P65925.D Lab Sample ID: MB 460-639801/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS13 Date Analyzed: 09/17/2019 10:51

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-639801/4	P65921.D	09/17/2019 09:12
	LCSD 460-639801/5	P65922.D	09/17/2019 09:37
TB	460-191351-14	P65926.D	09/17/2019 11:16
MW-2 091119	460-191351-4	P65931.D	09/17/2019 13:24
DUP	460-191351-3	P65932.D	09/17/2019 13:49
MW-17D 091019	460-191351-2	P65933.D	09/17/2019 14:14
MW-171 091119	460-191351-1	P65934.D	09/17/2019 14:39
MW-36D 091119	460-191351-12	P65935.D	09/17/2019 15:04
MW-17 091119	460-191351-13	P65936.D	09/17/2019 15:29
MW-17D 091019 MS	460-191351-2 MS	P65943.D	09/17/2019 18:24
MW-17D 091019 MSD	460-191351-2 MSD	P65944.D	09/17/2019 18:49

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: P65039.D BFB Injection Date: 08/23/2019

Instrument ID: CVOAMS13 BFB Injection Time: 07:52

Analysis Batch No.: 634356

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.1	
75	30.0 - 60.0 % of mass 95	50.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	77.9	
175	5.0 - 9.0 % of mass 174	6.3	(8.1) 1
176	95.0 - 101.0 % of mass 174	75.5	(96.9) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

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
	STD8 460-634356/2	P65040.D	08/23/2019	08:16
	STD1 460-634356/4	P65042.D	08/23/2019	09:06
	STD20 460-634356/6	P65044.D	08/23/2019	09:55
	STD50 460-634356/7	P65045.D	08/23/2019	10:20
	STD200 460-634356/8	P65046.D	08/23/2019	10:45
	STD500 460-634356/9	P65047.D	08/23/2019	11:10
	STD5 460-634356/14	P65052.D	08/23/2019	13:15

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: P65890.D BFB Injection Date: 09/16/2019

Instrument ID: CVOAMS13 BFB Injection Time: 07:06

Analysis Batch No.: 639562

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.3	
75	30.0 - 60.0 % of mass 95	50.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	75.6	
175	5.0 - 9.0 % of mass 174	3.8	(5.0) 1
176	95.0 - 101.0 % of mass 174	73.6	(97.4) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

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 460-639562/2	P65891.D	09/16/2019	07:28
	LCS 460-639562/3	P65892.D	09/16/2019	07:54
	LCSD 460-639562/4	P65893.D	09/16/2019	08:19
	MB 460-639562/8	P65897.D	09/16/2019	09:59
MW-2I 091119	460-191351-5	P65910.D	09/16/2019	15:24
MW-46I 091119	460-191351-6	P65911.D	09/16/2019	15:49
MW-40D 091119	460-191351-7	P65912.D	09/16/2019	16:14
MW-38D 091119	460-191351-9	P65913.D	09/16/2019	16:39
MW-38I 091119	460-191351-10	P65914.D	09/16/2019	17:04
MW-36I 091119	460-191351-11	P65915.D	09/16/2019	17:29
TW-2S 091119	460-191351-8	P65916.D	09/16/2019	17:54

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: P65918.D BFB Injection Date: 09/17/2019

Instrument ID: CVOAMS13 BFB Injection Time: 07:11

Analysis Batch No.: 639801

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.2	
75	30.0 - 60.0 % of mass 95	49.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	76.8	
175	5.0 - 9.0 % of mass 174	5.4	(7.0) 1
176	95.0 - 101.0 % of mass 174	76.8	(100.0) 1
177	5.0 - 9.0 % of mass 176	5.5	(7.2) 2

1-Value is % mass 174 2-Value is % mass 176

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 460-639801/3	P65920.D	09/17/2019	08:32
	LCS 460-639801/4	P65921.D	09/17/2019	09:12
	LCSD 460-639801/5	P65922.D	09/17/2019	09:37
	MB 460-639801/8	P65925.D	09/17/2019	10:51
TB	460-191351-14	P65926.D	09/17/2019	11:16
MW-2 091119	460-191351-4	P65931.D	09/17/2019	13:24
DUP	460-191351-3	P65932.D	09/17/2019	13:49
MW-17D 091019	460-191351-2	P65933.D	09/17/2019	14:14
MW-171 091119	460-191351-1	P65934.D	09/17/2019	14:39
MW-36D 091119	460-191351-12	P65935.D	09/17/2019	15:04
MW-17 091119	460-191351-13	P65936.D	09/17/2019	15:29
MW-17D 091019 MS	460-191351-2 MS	P65943.D	09/17/2019	18:24
MW-17D 091019 MSD	460-191351-2 MSD	P65944.D	09/17/2019	18:49

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Sample No.: CCVIS 460-639562/2 Date Analyzed: 09/16/2019 07:28

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): P65891.D Heated Purge: (Y/N) N

Calibration ID: 76281

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		238852	1.95	372984	2.96	690328	3.53
UPPER LIMIT		477704	2.45	745968	3.46	1380656	4.03
LOWER LIMIT		119426	1.45	186492	2.46	345164	3.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-639562/3		253364	1.95	372111	2.96	690668	3.53
LCSD 460-639562/4		257602	1.95	371712	2.96	701809	3.53
MB 460-639562/8		240362	1.95	351820	2.96	676456	3.53
460-191351-5	MW-2I 091119	283746	1.95	363845	2.96	634189	3.53
460-191351-6	MW-46I 091119	277900	1.95	358104	2.96	642092	3.53
460-191351-7	MW-40D 091119	276050	1.95	361221	2.96	639848	3.53
460-191351-9	MW-38D 091119	277674	1.95	357576	2.96	637020	3.53
460-191351-10	MW-38I 091119	279041	1.95	354285	2.96	631145	3.53
460-191351-11	MW-36I 091119	274373	1.95	349192	2.96	632196	3.53
460-191351-8	TW-2S 091119	282006	1.95	351683	2.96	643992	3.53

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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 8260C

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Sample No.: CCVIS 460-639562/2 Date Analyzed: 09/16/2019 07:28

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): P65891.D Heated Purge: (Y/N) N

Calibration ID: 76281

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		28261	4.40	506662	6.91	273492	10.43
UPPER LIMIT		56522	4.90	1013324	7.41	546984	10.93
LOWER LIMIT		14131	3.90	253331	6.41	136746	9.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-639562/3		29236	4.40	509141	6.91	274894	10.43
LCSD 460-639562/4		29486	4.41	515010	6.91	280712	10.43
MB 460-639562/8		25378	4.40	485830	6.91	251519	10.43
460-191351-5	MW-2I 091119	26690	4.40	466511	6.91	239176	10.44
460-191351-6	MW-46I 091119	26702	4.40	463847	6.91	243605	10.43
460-191351-7	MW-40D 091119	25729	4.40	467720	6.91	246598	10.44
460-191351-9	MW-38D 091119	27327	4.40	461928	6.92	244504	10.44
460-191351-10	MW-38I 091119	26691	4.40	457904	6.91	243740	10.43
460-191351-11	MW-36I 091119	26476	4.40	464576	6.91	243339	10.43
460-191351-8	TW-2S 091119	26383	4.41	462083	6.91	257938	10.43

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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 8260C

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Sample No.: CCVIS 460-639801/3 Date Analyzed: 09/17/2019 08:32

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): P65920.D Heated Purge: (Y/N) N

Calibration ID: 76281

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		278058	1.95	343008	2.96	672993	3.53
UPPER LIMIT		556116	2.45	686016	3.46	1345986	4.03
LOWER LIMIT		139029	1.45	171504	2.46	336497	3.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-639801/4		299014	1.95	367034	2.96	676942	3.53
LCSD 460-639801/5		305073	1.95	371402	2.96	676660	3.53
MB 460-639801/8		291853	1.95	351562	2.96	664910	3.53
460-191351-14	TB	289808	1.95	341546	2.96	665117	3.53
460-191351-4	MW-2 091119	281547	1.95	333236	2.96	638071	3.53
460-191351-3	DUP	276485	1.95	329634	2.96	632980	3.53
460-191351-2	MW-17D 091019	283475	1.95	332088	2.96	630506	3.53
460-191351-1	MW-171 091119	286442	1.95	331337	2.96	623308	3.53
460-191351-12	MW-36D 091119	283733	1.95	332976	2.96	632725	3.53
460-191351-13	MW-17 091119	284646	1.95	339813	2.96	623935	3.53
460-191351-2 MS	MW-17D 091019 MS	299789	1.95	354790	2.96	638779	3.53
460-191351-2 MSD	MW-17D 091019 MSD	289156	1.95	342736	2.96	638936	3.53

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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 8260C

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Sample No.: CCVIS 460-639801/3 Date Analyzed: 09/17/2019 08:32

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): P65920.D Heated Purge: (Y/N) N

Calibration ID: 76281

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		27586	4.40	499881	6.91	265621	10.43
UPPER LIMIT		55172	4.90	999762	7.41	531242	10.93
LOWER LIMIT		13793	3.90	249941	6.41	132811	9.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-639801/4		28889	4.40	501712	6.91	272682	10.43
LCSD 460-639801/5		29854	4.40	499156	6.91	271082	10.43
MB 460-639801/8		26499	4.40	491343	6.91	258287	10.43
460-191351-14	TB	26522	4.40	488021	6.91	251208	10.43
460-191351-4	MW-2 091119	26682	4.40	467253	6.91	244380	10.43
460-191351-3	DUP	25745	4.40	468105	6.91	246873	10.43
460-191351-2	MW-17D 091019	24893	4.40	464795	6.91	244540	10.43
460-191351-1	MW-171 091119	25111	4.40	462509	6.91	239235	10.43
460-191351-12	MW-36D 091119	24475	4.40	464608	6.91	245750	10.43
460-191351-13	MW-17 091119	25368	4.41	463315	6.91	244886	10.44
460-191351-2 MS	MW-17D 091019 MS	27109	4.40	480268	6.91	262637	10.43
460-191351-2 MSD	MW-17D 091019 MSD	29298	4.40	477628	6.91	264254	10.43

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-171 091119 Lab Sample ID: 460-191351-1

Matrix: Water Lab File ID: P65934.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:00

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 14:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-171 091119 Lab Sample ID: 460-191351-1

Matrix: Water Lab File ID: P65934.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:00

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 14:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	4-Bromofluorobenzene	91		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65934.D
Lims ID: 460-191351-C-1
Client ID: MW-171 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 14:39:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-C-1
Misc. Info.: 460-0097690-017
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:14:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	86	3282	3.88	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	87	1288	0.1609	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	286442	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	139248	49.4	
* 53 2-Butanone-d5	46	2.963	2.956	0.007	0	331337	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	182284	49.8	
* 66 Fluorobenzene	96	3.528	3.529	-0.001	98	623308	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	25111	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	581841	47.3	
* 96 Chlorobenzene-d5	117	6.909	6.910	-0.001	88	462509	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	173144	45.7	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	239235	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

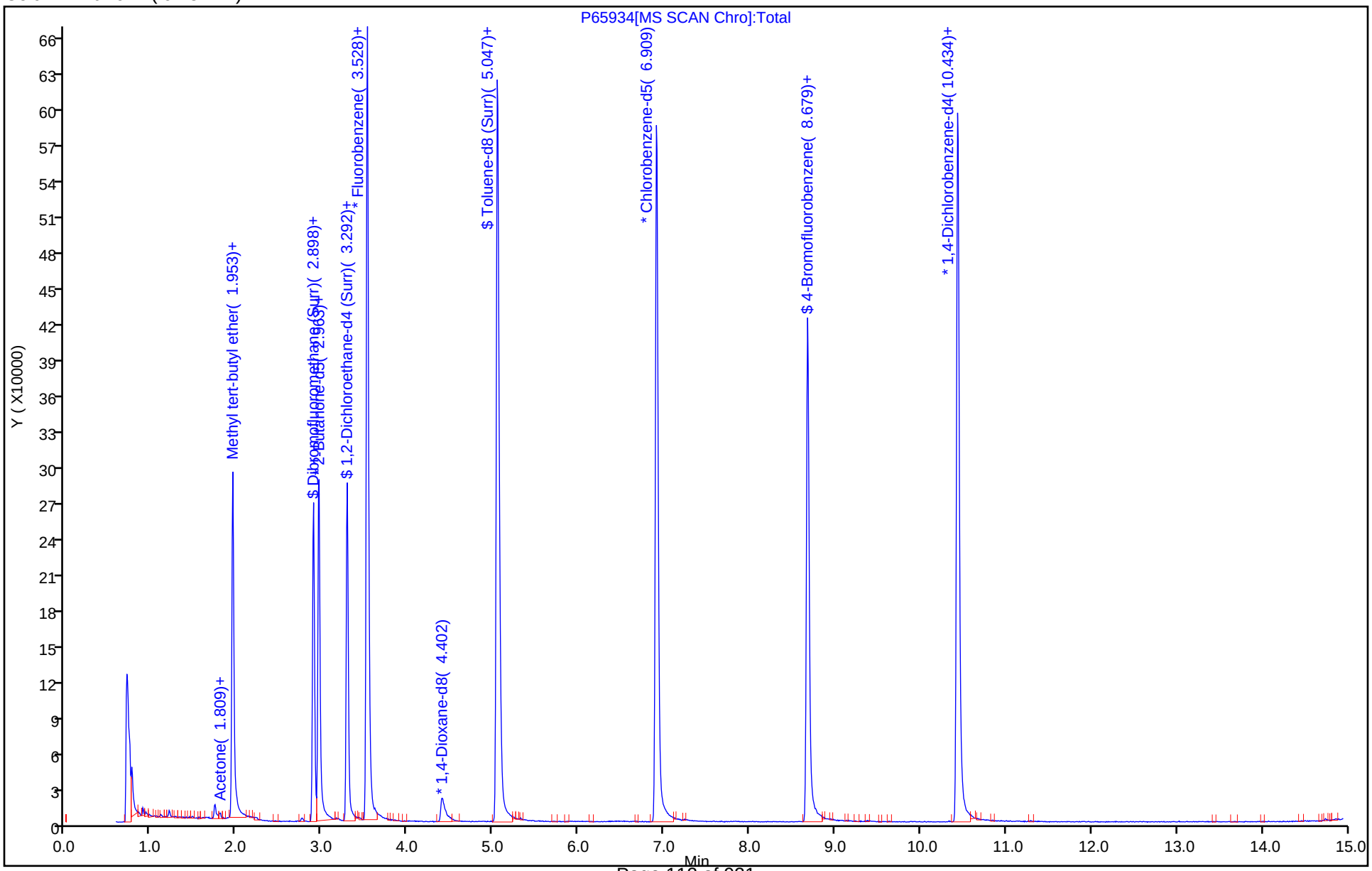
Report Date: 18-Sep-2019 05:38:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65934.D

Injection Date:	17-Sep-2019 14:39:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-C-1	Lab Sample ID:	460-191351-1	Worklist Smp#:	17
Client ID:	MW-171 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



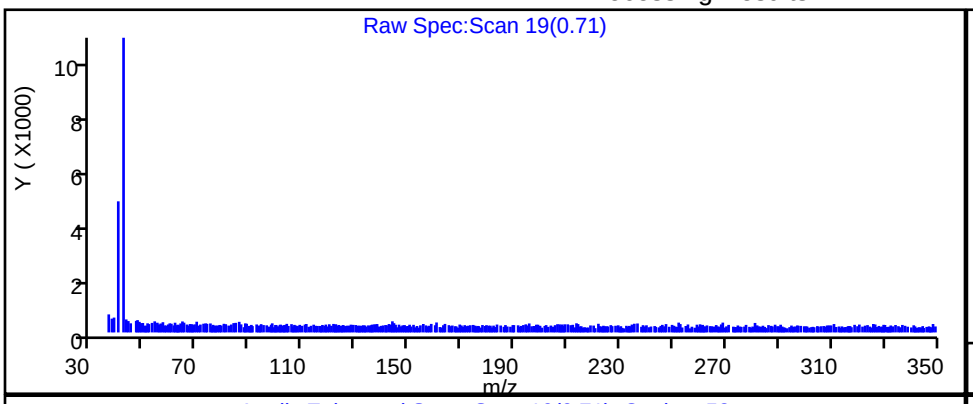
User Disabled Compound Report

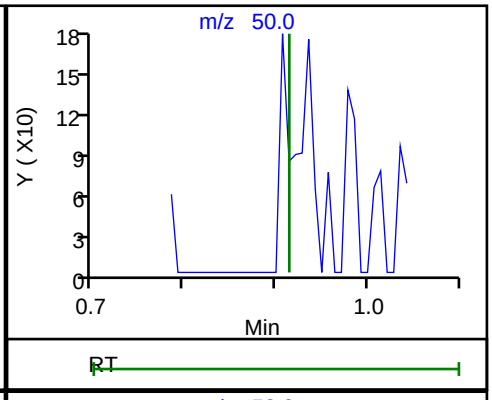
Eurofins TestAmerica, Edison

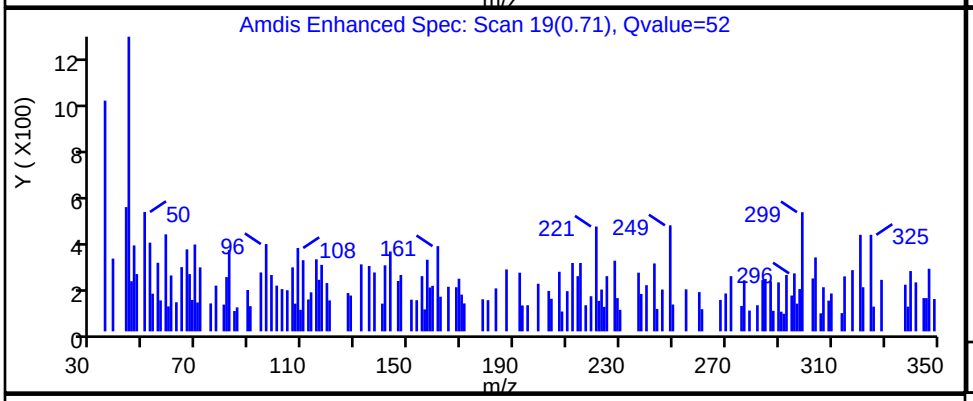
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65934.D		
Injection Date:	17-Sep-2019 14:39:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-1	Lab Sample ID:	460-191351-1
Client ID:	MW-171 091119		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

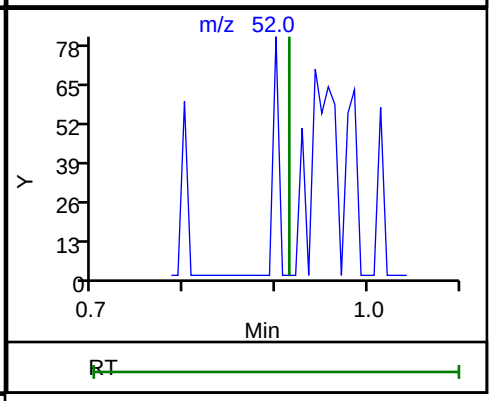
6 Chloromethane, CAS: 74-87-3

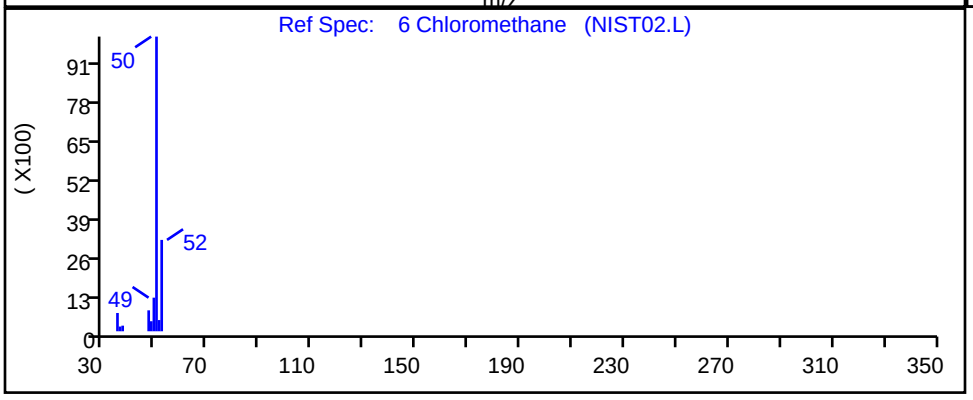
Processing Results











RT	Mass	Response	Amount
0.71	50.00	748	0.217274
0.71	52.00	362	

Reviewer: sarmientod, 17-Sep-2019 20:14:22

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 Lab Sample ID: 460-191351-2

Matrix: Water Lab File ID: P65933.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 14:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U F1	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U F2	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 Lab Sample ID: 460-191351-2

Matrix: Water Lab File ID: P65933.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 14:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		74-132
460-00-4	4-Bromofluorobenzene	94		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65933.D
Lims ID: 460-191351-C-2
Client ID: MW-17D 091019
Sample Type: Client
Inject. Date: 17-Sep-2019 14:14:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-C-2
Misc. Info.: 460-0097690-016
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:14:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
16 Ethanol	46	1.444	1.444	0.000	79	474	23.0	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	12177	53.5	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	283475	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	90	780	2.47	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	145303	50.9	
* 53 2-Butanone-d5	46	2.955	2.956	-0.001	0	332088	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	183568	49.5	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	630506	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	24893	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	583802	47.2	
* 96 Chlorobenzene-d5	117	6.909	6.910	-0.001	87	464795	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	179230	47.0	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	244540	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

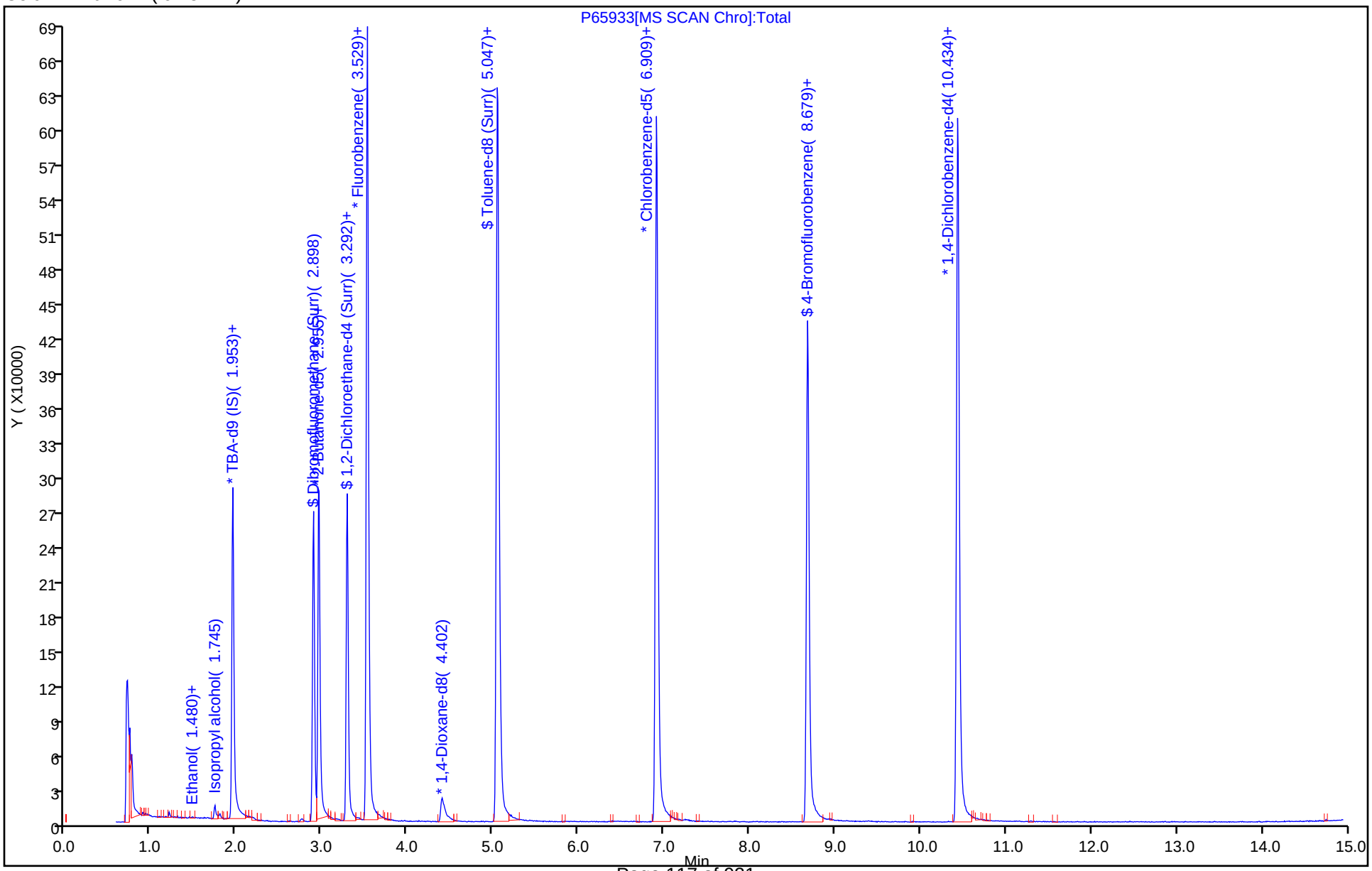
Report Date: 18-Sep-2019 05:38:08 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65933.D

Injection Date:	17-Sep-2019 14:14:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-C-2	Lab Sample ID:	460-191351-2	Worklist Smp#:	16
Client ID:	MW-17D 091019				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



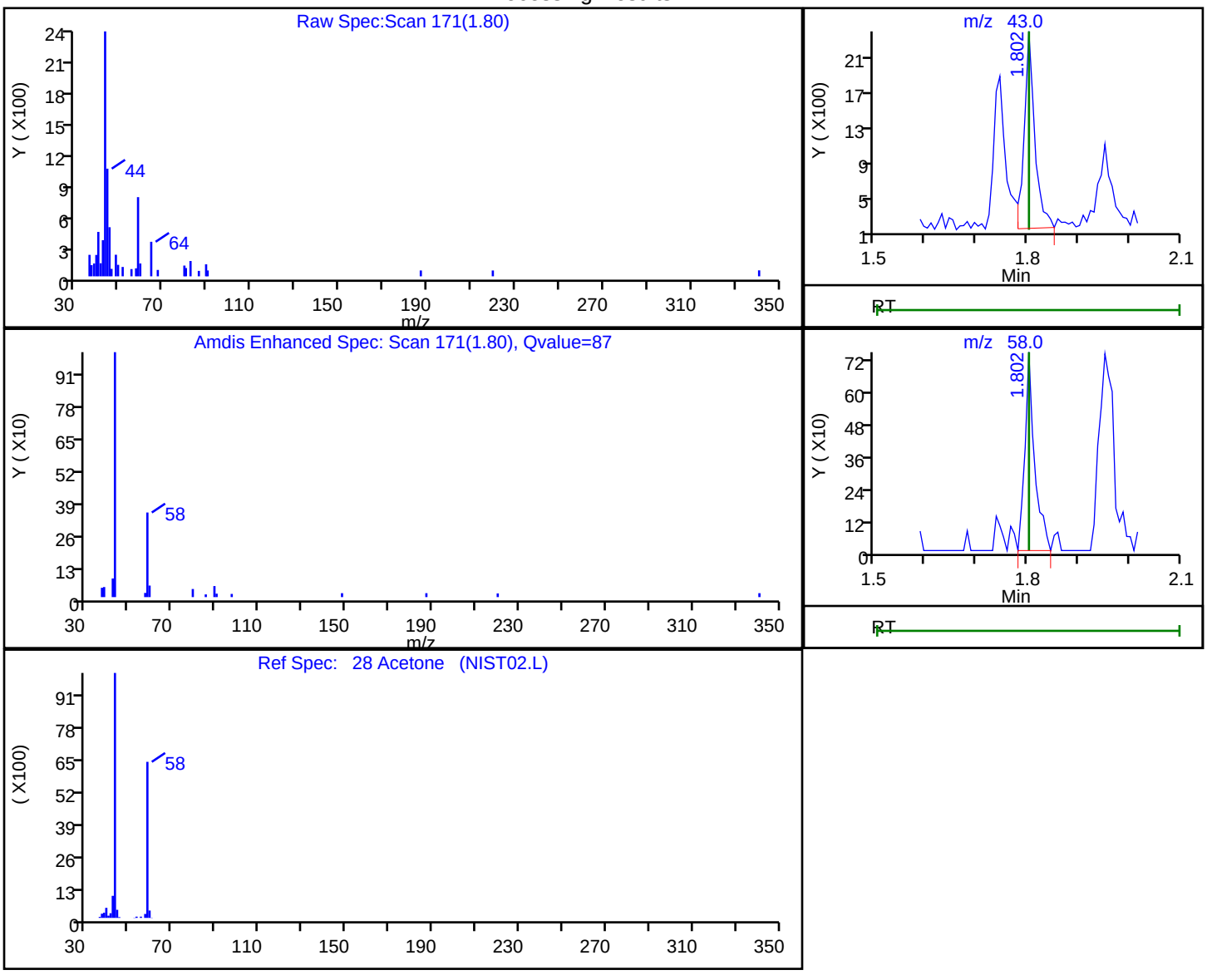
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65933.D		
Injection Date:	17-Sep-2019 14:14:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-2	Lab Sample ID:	460-191351-2
Client ID:	MW-17D 091019		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

28 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
1.80	43.00	3069	3.620062
1.80	58.00	996	

Reviewer: sarmientod, 17-Sep-2019 20:13:55

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

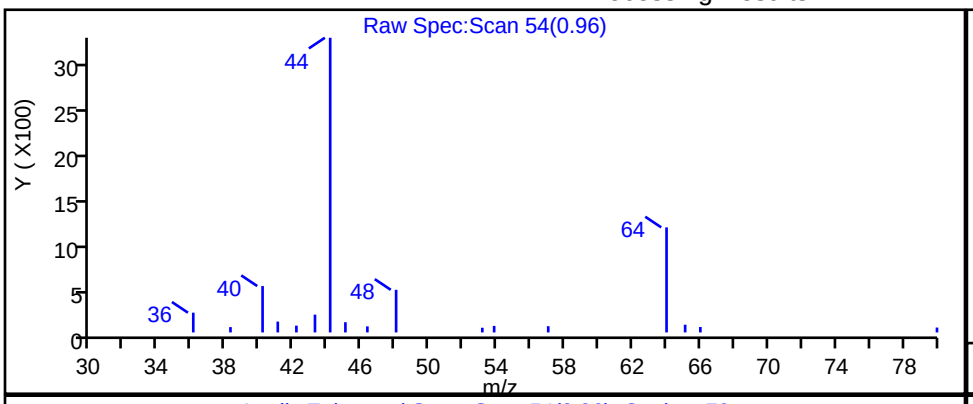
User Disabled Compound Report

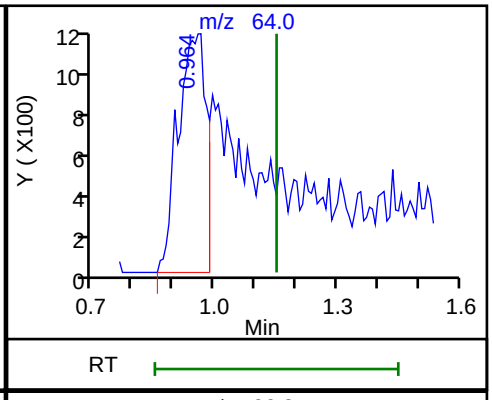
Eurofins TestAmerica, Edison

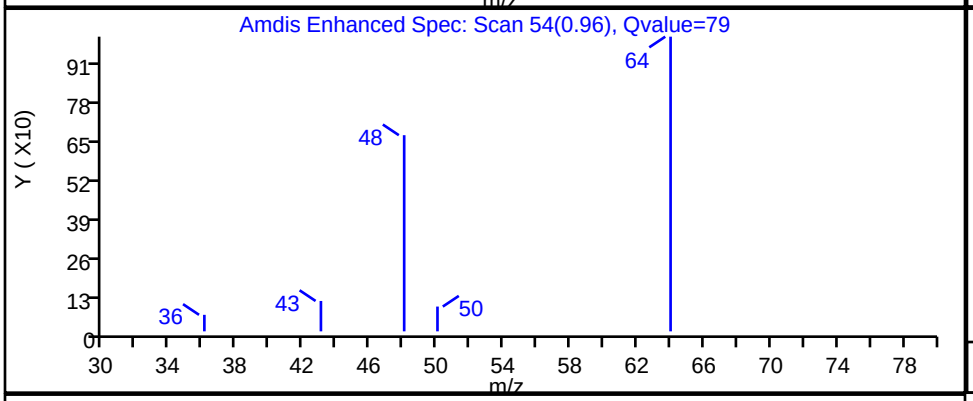
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65933.D		
Injection Date:	17-Sep-2019 14:14:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-2	Lab Sample ID:	460-191351-2
Client ID:	MW-17D 091019		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

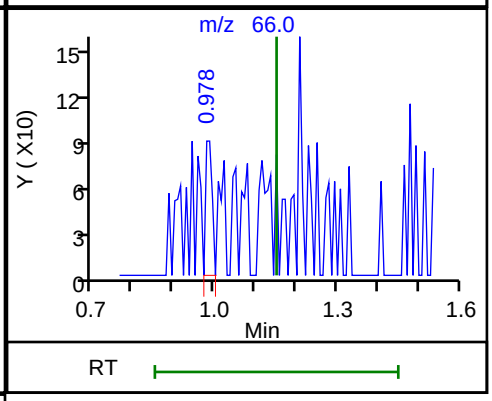
10 Chloroethane, CAS: 75-00-3

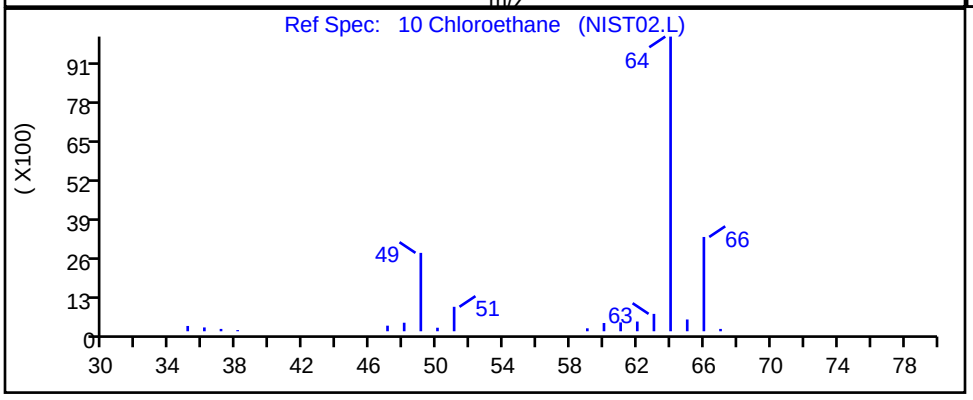
Processing Results











RT	Mass	Response	Amount
0.96	64.00	5538	2.702738
0.98	66.00	99	

Reviewer: sarmientod, 17-Sep-2019 20:13:33

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

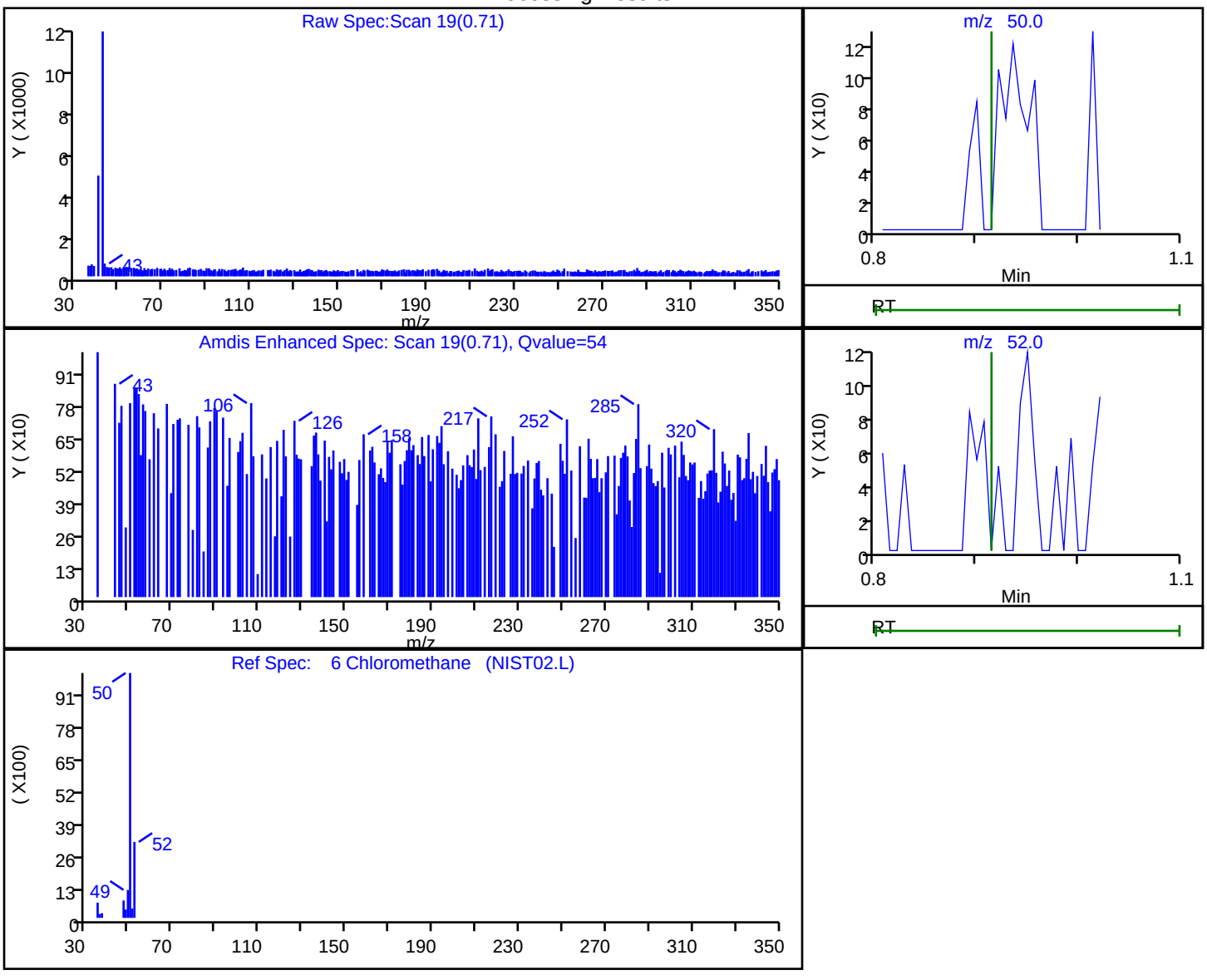
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65933.D		
Injection Date:	17-Sep-2019 14:14:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-2	Lab Sample ID:	460-191351-2
Client ID:	MW-17D 091019		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
0.71	50.00	900	0.258442
0.72	52.00	1049	

Reviewer: sarmientod, 17-Sep-2019 20:13:31

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 460-191351-3

Matrix: Water Lab File ID: P65932.D

Analysis Method: 8260C Date Collected: 09/10/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 13:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 460-191351-3

Matrix: Water Lab File ID: P65932.D

Analysis Method: 8260C Date Collected: 09/10/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 13:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	93		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65932.D
Lims ID: 460-191351-C-3
Client ID: DUP
Sample Type: Client
Inject. Date: 17-Sep-2019 13:49:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-C-3
Misc. Info.: 460-0097690-015
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:13:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	84	3596	4.27	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	276485	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	146038	51.0	
* 53 2-Butanone-d5	46	2.955	2.956	-0.001	0	329634	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	179864	48.3	
* 66 Fluorobenzene	96	3.529	3.529	-0.001	98	632980	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	25745	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	581906	46.7	
* 96 Chlorobenzene-d5	117	6.909	6.910	-0.001	88	468105	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	178051	46.4	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	246873	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

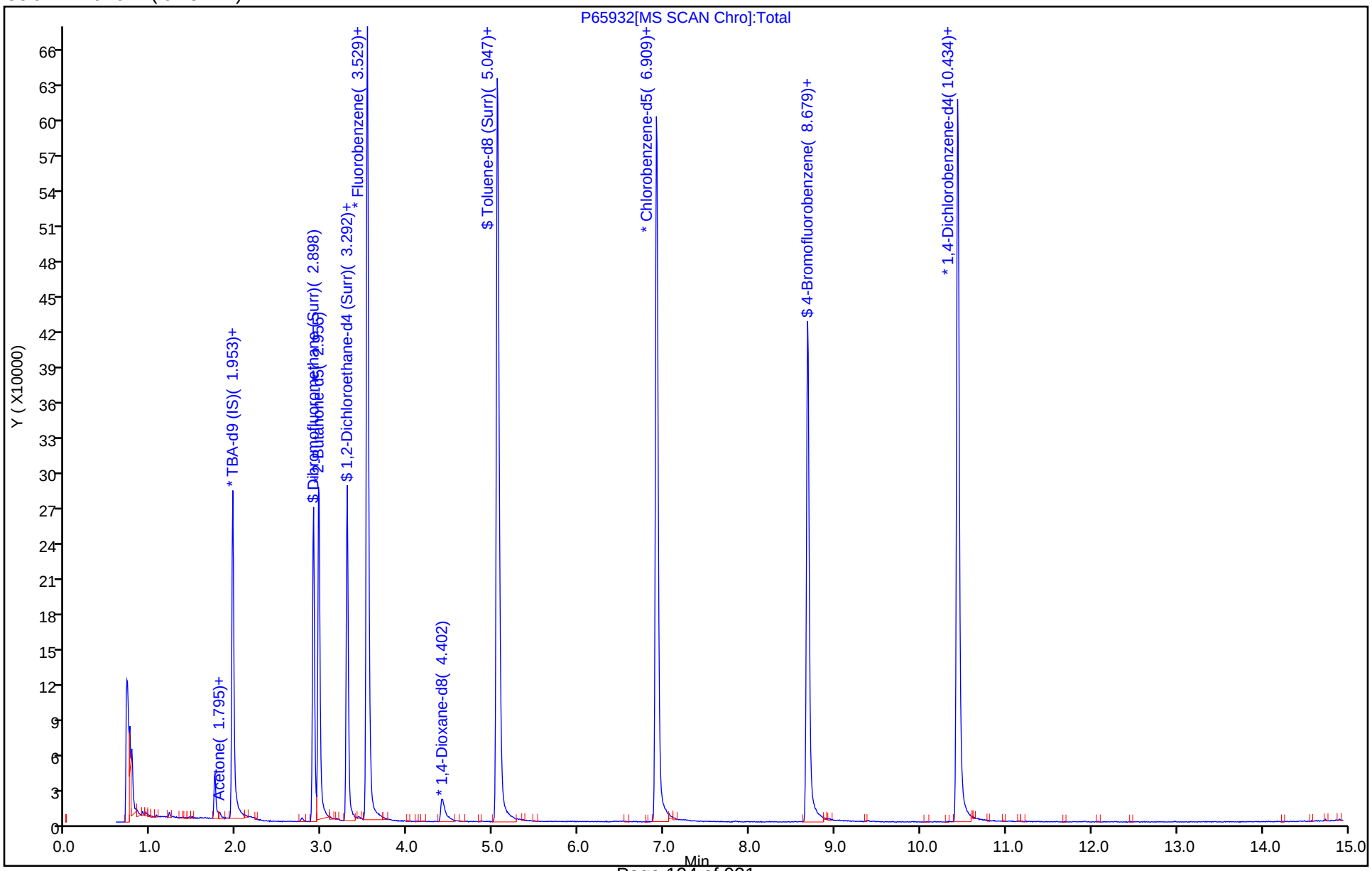
Report Date: 18-Sep-2019 05:37:13 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65932.D

Injection Date:	17-Sep-2019 13:49:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-C-3	Lab Sample ID:	460-191351-3	Worklist Smp#:	15
Client ID:	DUP				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



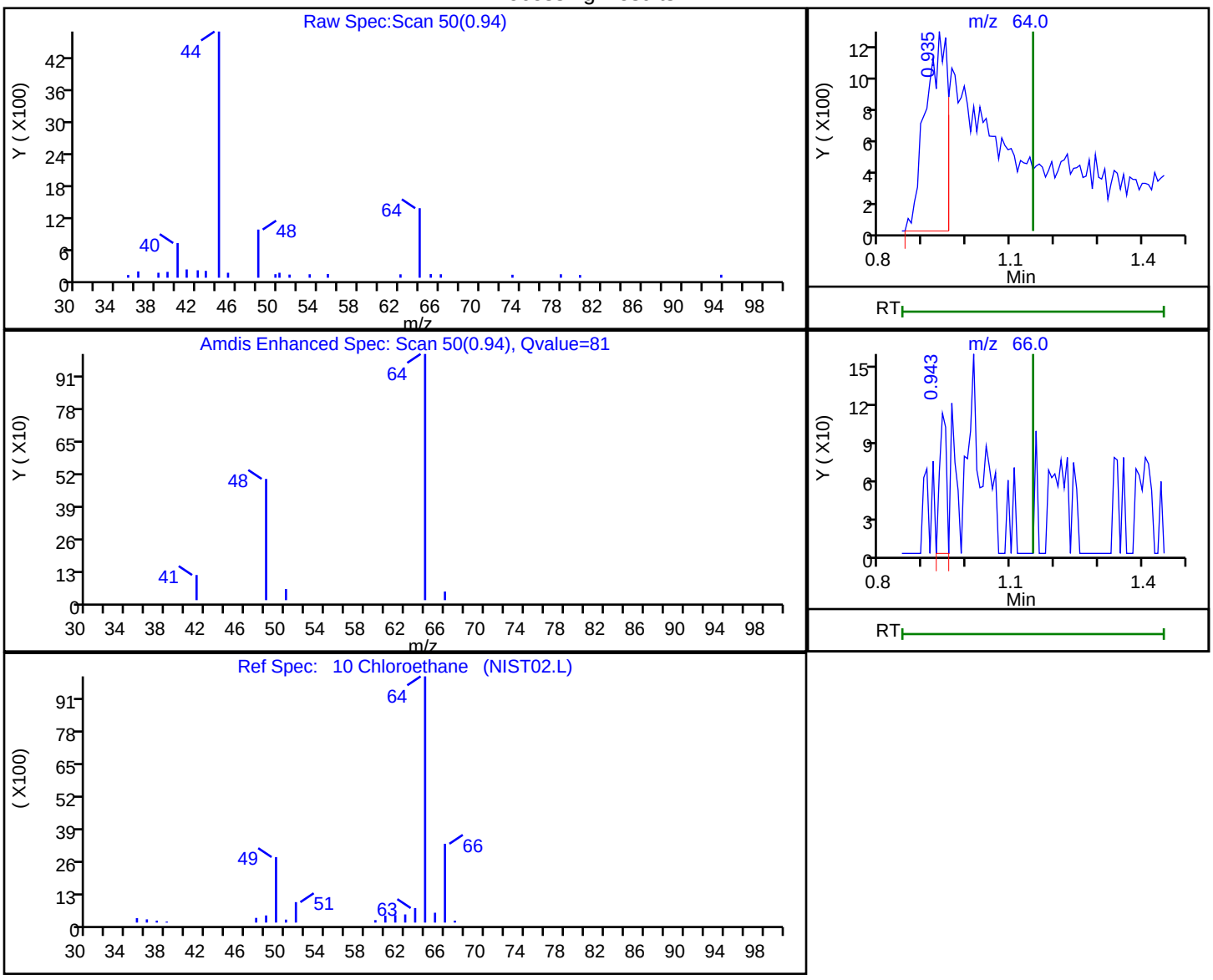
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65932.D		
Injection Date:	17-Sep-2019 13:49:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-3	Lab Sample ID:	460-191351-3
Client ID:	DUP		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
0.94	64.00	4474	2.173494
0.94	66.00	119	

Reviewer: sarmientod, 17-Sep-2019 20:13:11

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

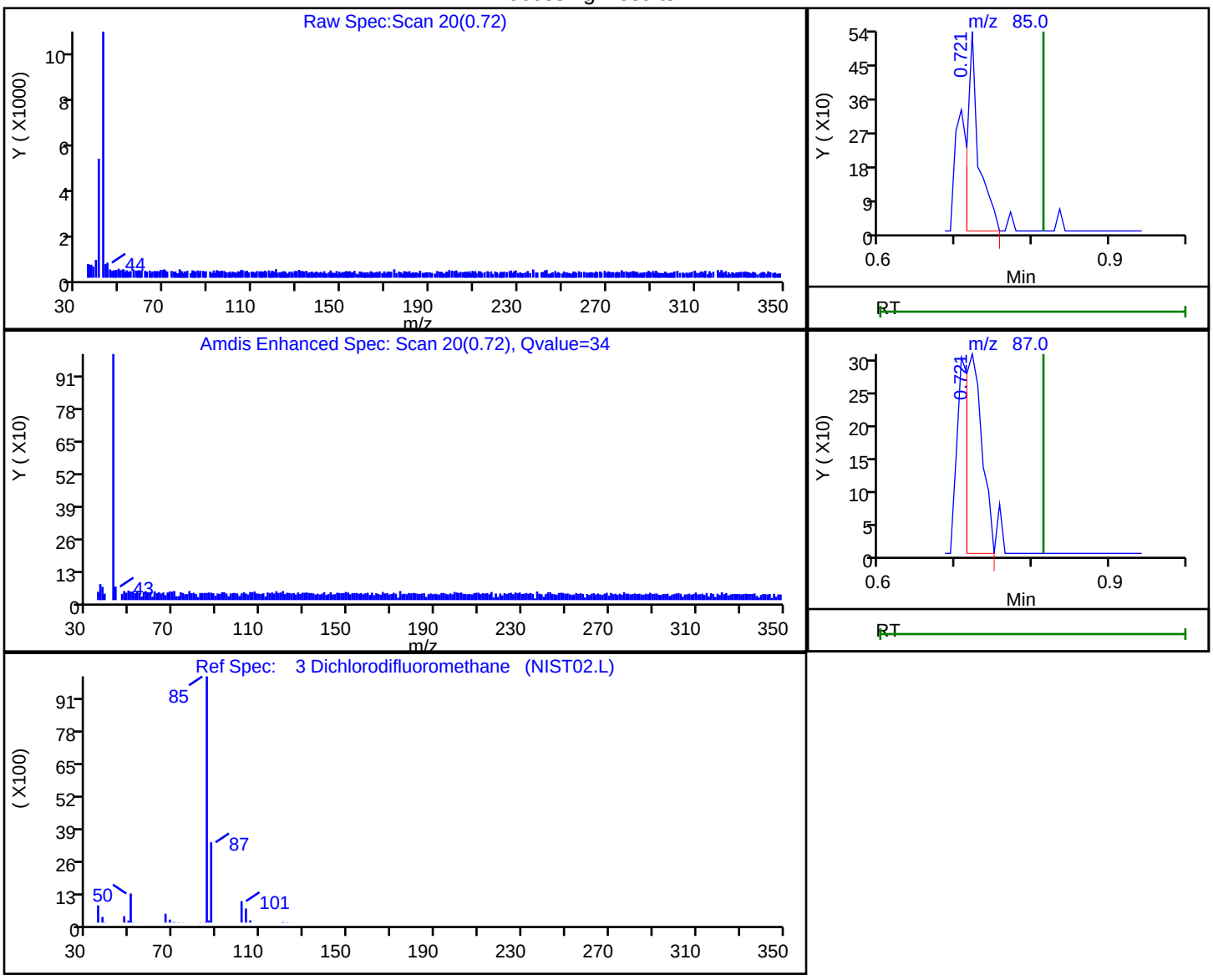
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65932.D		
Injection Date:	17-Sep-2019 13:49:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-3	Lab Sample ID:	460-191351-3
Client ID:	DUP		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.72	85.00	528	0.150246
0.72	87.00	453	

Reviewer: sarmientod, 17-Sep-2019 20:13:08

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

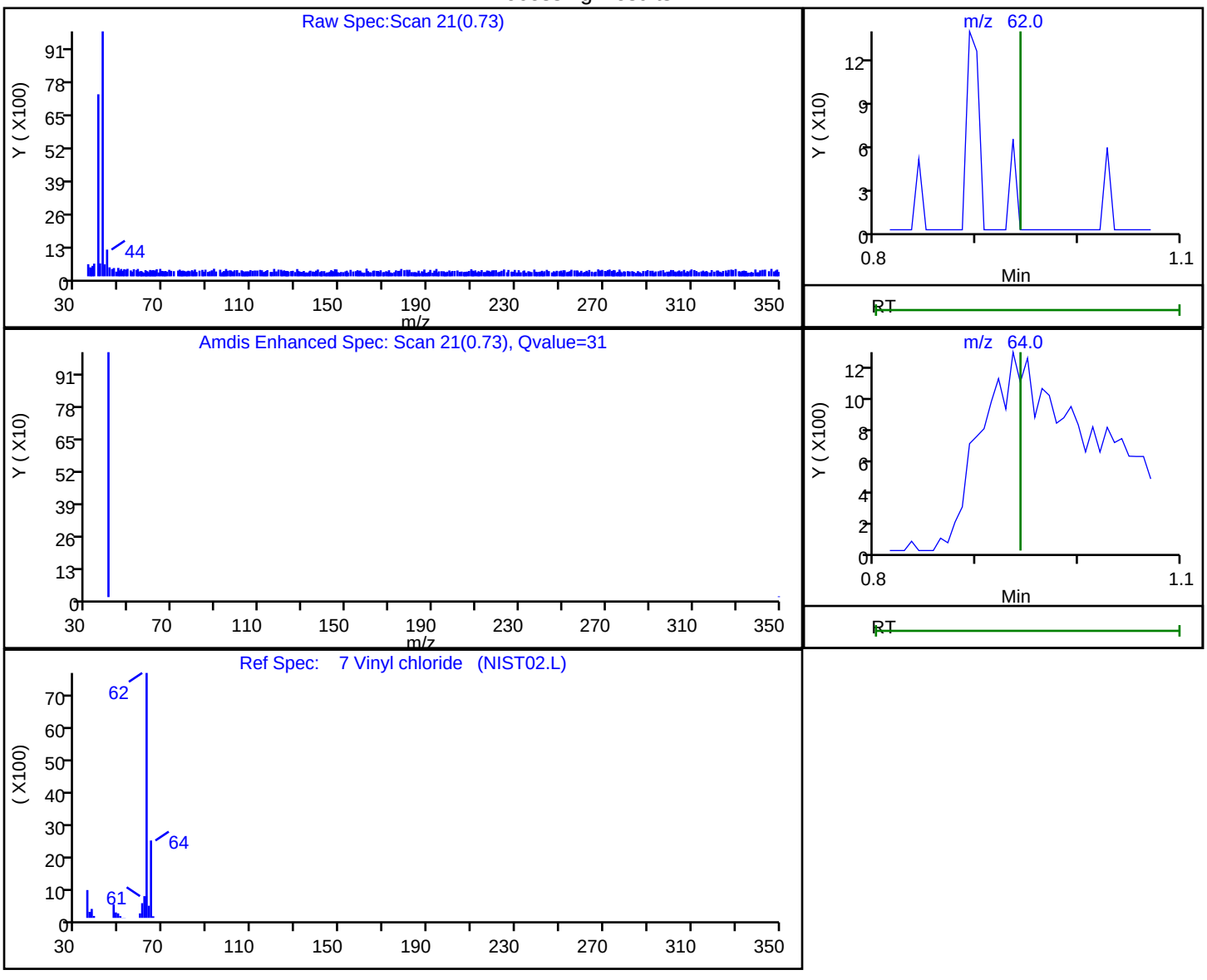
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65932.D		
Injection Date:	17-Sep-2019 13:49:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-3	Lab Sample ID:	460-191351-3
Client ID:	DUP		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
0.73	62.00	570	0.144250
0.73	64.00	588	

Reviewer: sarmientod, 17-Sep-2019 20:13:10

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2 091119 Lab Sample ID: 460-191351-4

Matrix: Water Lab File ID: P65931.D

Analysis Method: 8260C Date Collected: 09/11/2019 08:40

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 13:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2 091119 Lab Sample ID: 460-191351-4

Matrix: Water Lab File ID: P65931.D

Analysis Method: 8260C Date Collected: 09/11/2019 08:40

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 13:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	93		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65931.D
Lims ID: 460-191351-C-4
Client ID: MW-2 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 13:24:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-C-4
Misc. Info.: 460-0097690-014
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:13:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	84	3129	3.68	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	92	1493	0.1822	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	281547	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	146093	50.6	
* 53 2-Butanone-d5	46	2.956	2.956	0.000	0	333236	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	183376	48.9	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	638071	50.0	
* 76 1,4-Dioxane-d8	96	4.403	4.403	0.000	0	26682	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	589537	47.4	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	467253	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	178888	46.7	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	244380	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

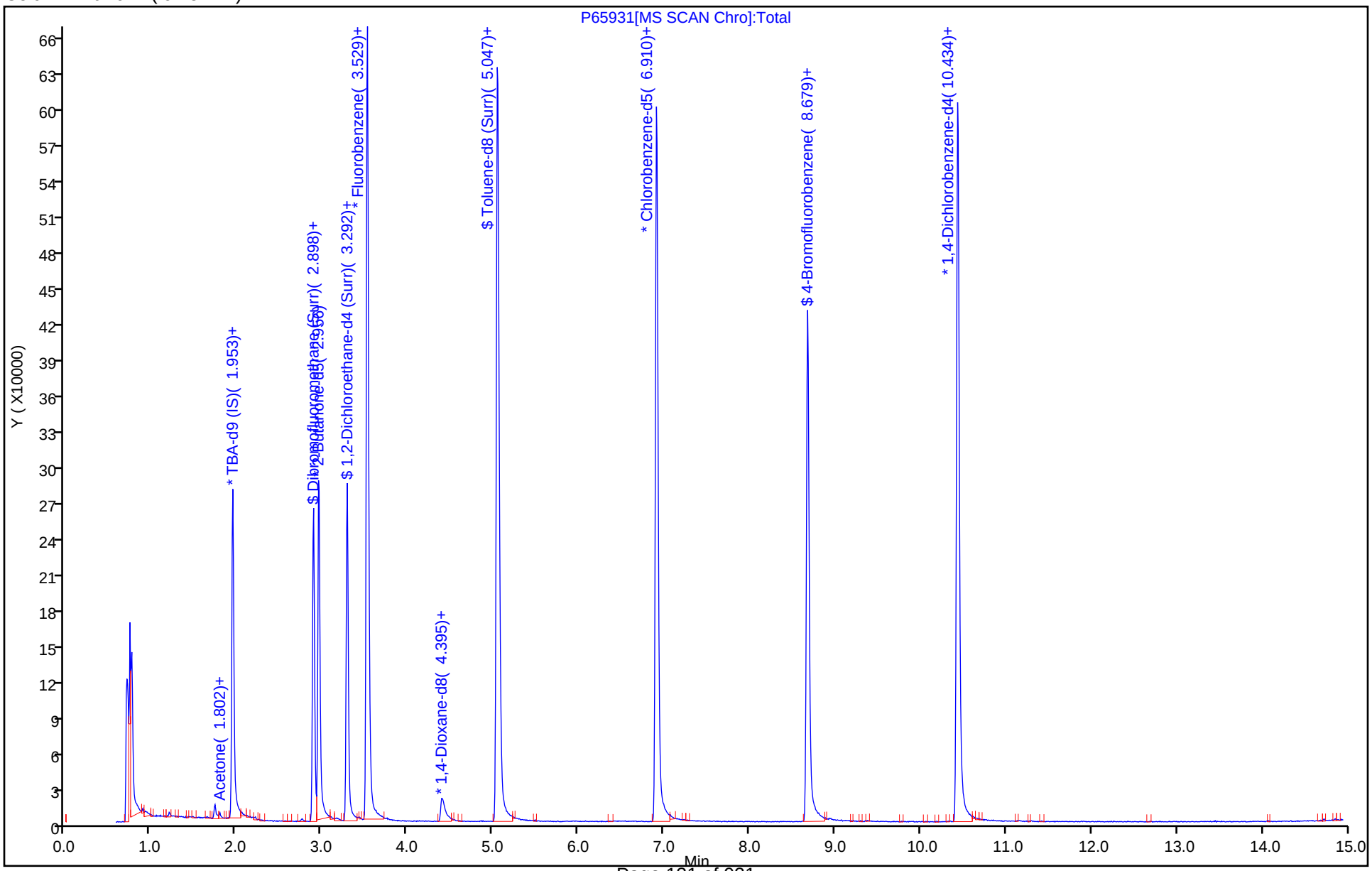
Report Date: 18-Sep-2019 05:36:46 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65931.D

Injection Date:	17-Sep-2019 13:24:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-C-4	Lab Sample ID:	460-191351-4	Worklist Smp#:	14
Client ID:	MW-2 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



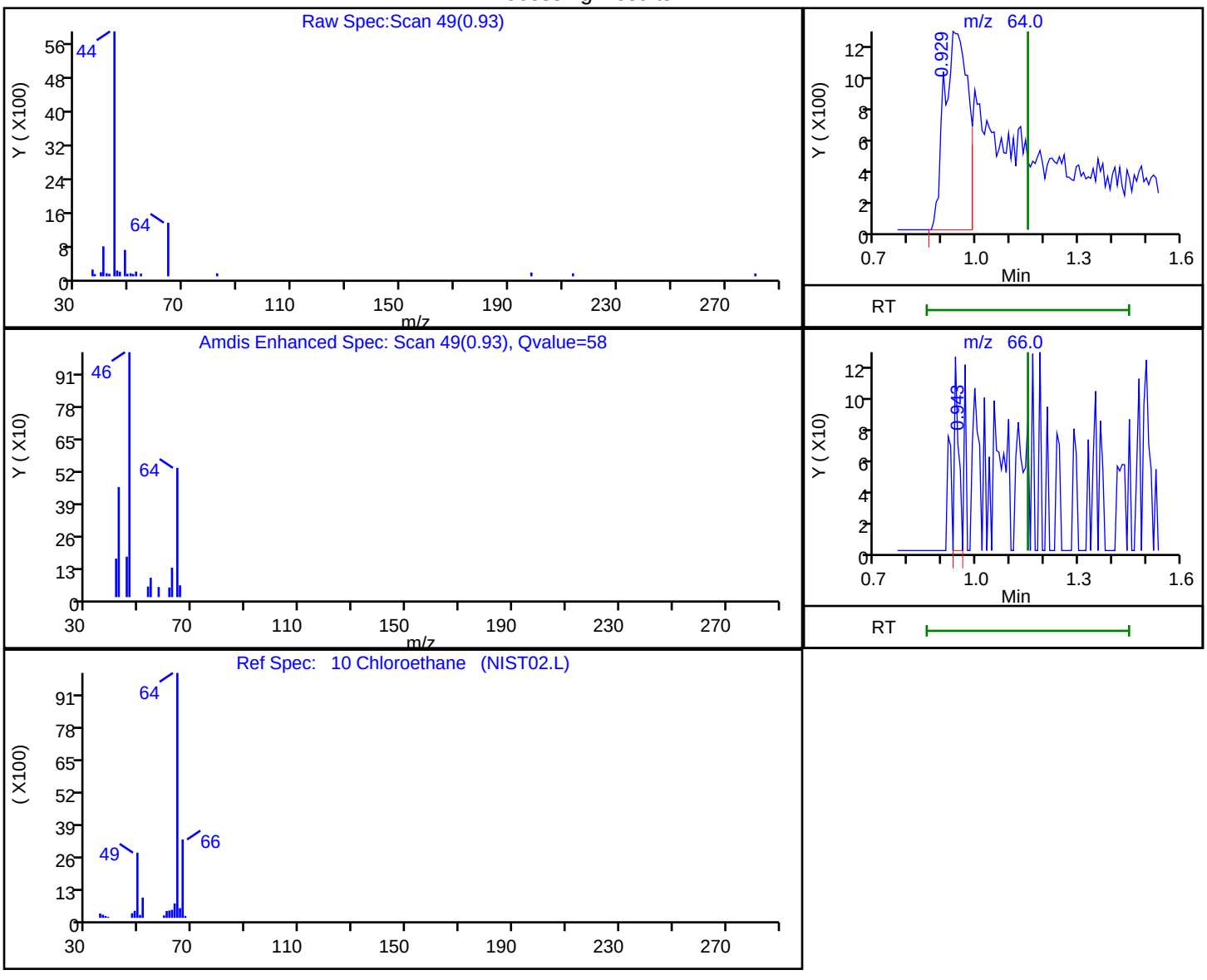
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65931.D		
Injection Date:	17-Sep-2019 13:24:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-4	Lab Sample ID:	460-191351-4
Client ID:	MW-2 091119		
Operator ID:		ALS Bottle#:	13 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
0.93	64.00	6185	2.983759
0.94	66.00	105	

Reviewer: sarmientod, 17-Sep-2019 20:12:54

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2I 091119 Lab Sample ID: 460-191351-5

Matrix: Water Lab File ID: P65910.D

Analysis Method: 8260C Date Collected: 09/11/2019 08:50

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 15:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2I 091119 Lab Sample ID: 460-191351-5

Matrix: Water Lab File ID: P65910.D

Analysis Method: 8260C Date Collected: 09/11/2019 08:50

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 15:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		74-132
460-00-4	4-Bromofluorobenzene	91		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65910.D
Lims ID: 460-191351-B-5
Client ID: MW-2I 091119
Sample Type: Client
Inject. Date: 16-Sep-2019 15:24:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-5
Misc. Info.: 460-0097638-021
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 06:51:37 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0309

First Level Reviewer: desais Date: 17-Sep-2019 06:49:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	87	2834	3.05	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	283746	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	144394	50.3	
* 53 2-Butanone-d5	46	2.963	2.955	0.008	0	363845	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	185003	49.6	
* 66 Fluorobenzene	96	3.528	3.529	-0.001	98	634189	50.0	
69 Trichloroethene	130	3.679	3.672	0.007	89	843	0.2748	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	26690	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.047	0.000	99	585185	47.1	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	88	466511	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	174607	45.7	
* 123 1,4-Dichlorobenzene-d4	152	10.441	10.434	0.007	97	239176	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

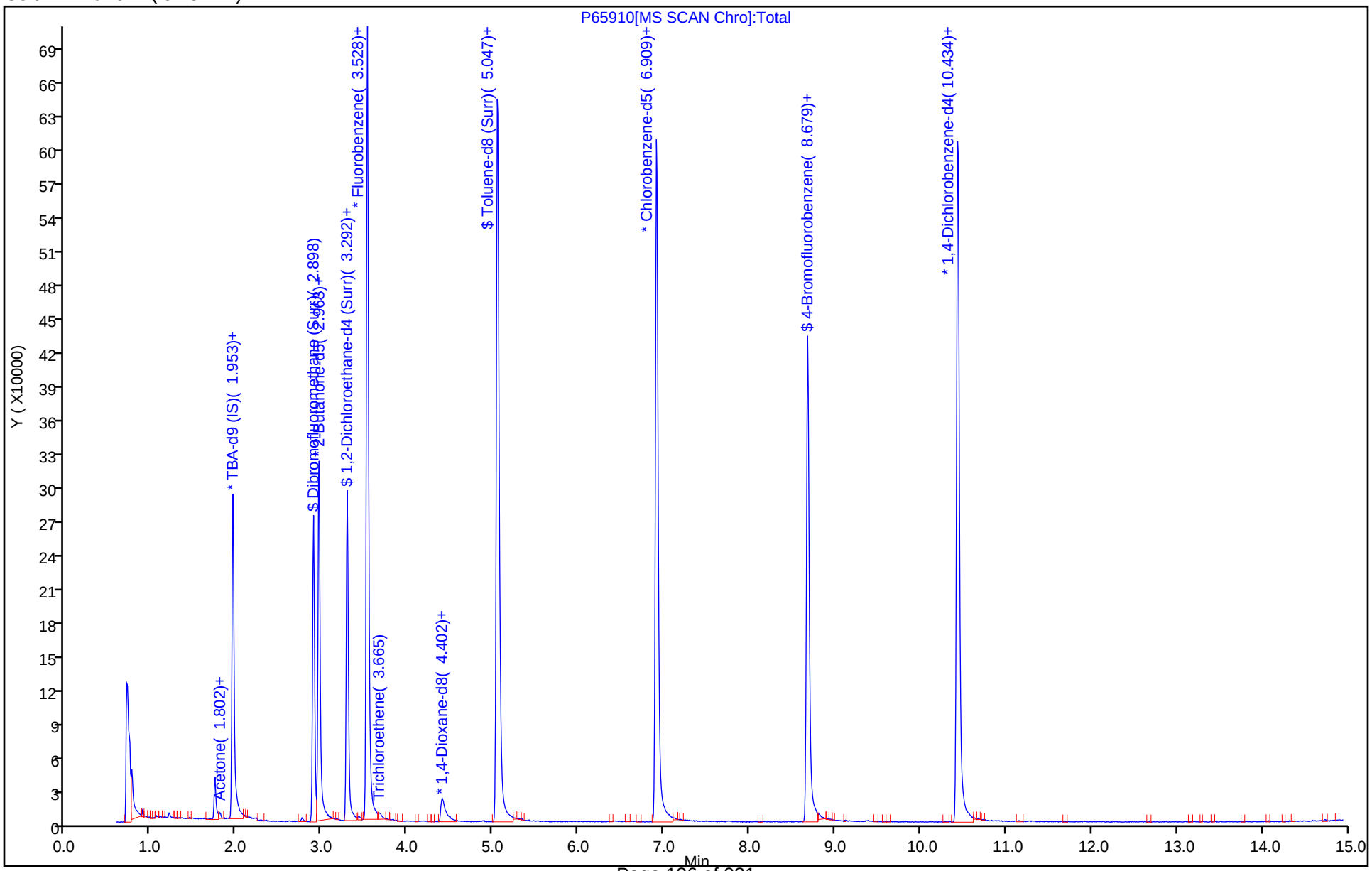
Report Date: 17-Sep-2019 06:51:54 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65910.D

Injection Date:	16-Sep-2019 15:24:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-5	Lab Sample ID:	460-191351-5	Worklist Smp#:	21
Client ID:	MW-2I 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



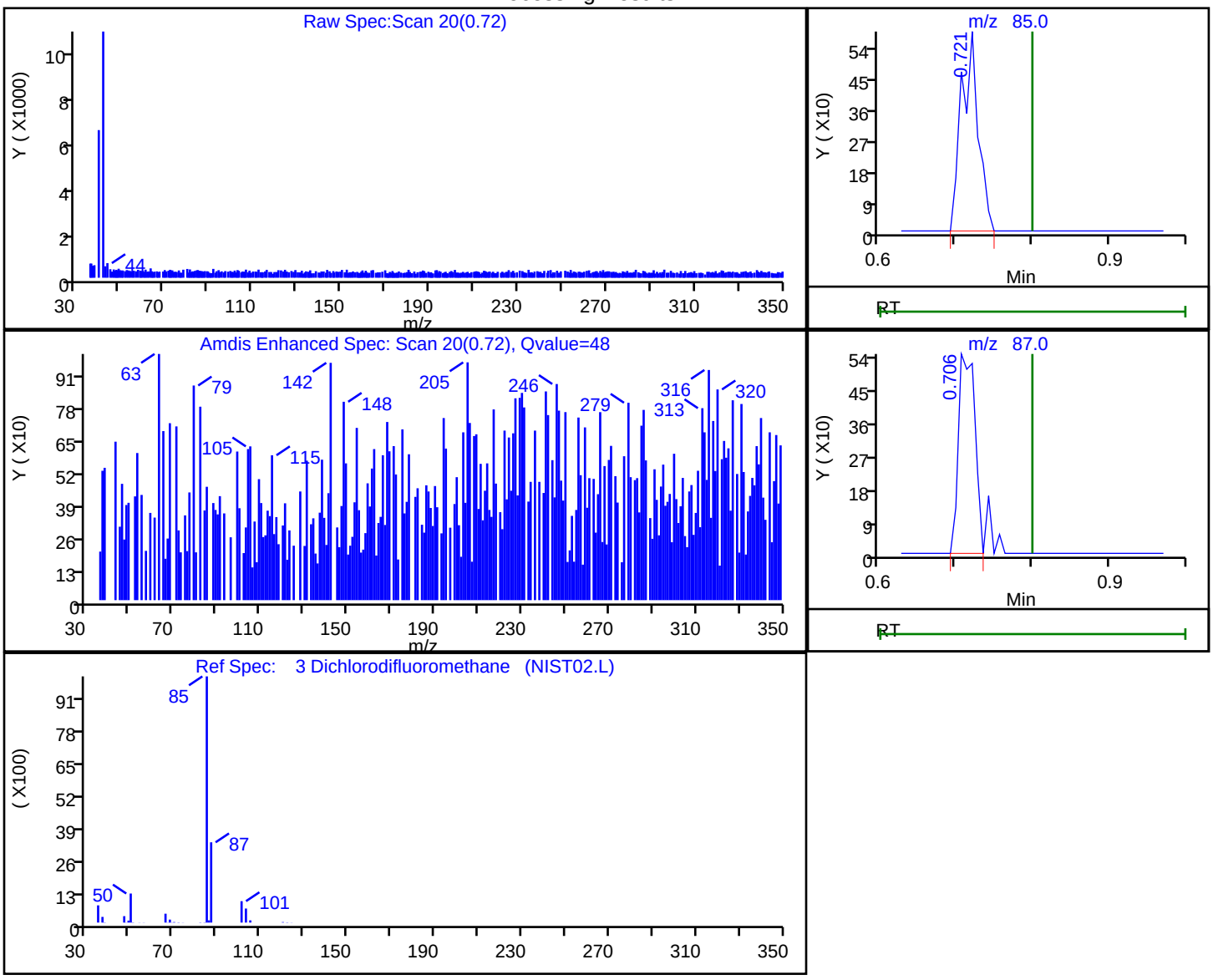
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65910.D		
Injection Date:	16-Sep-2019 15:24:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-5	Lab Sample ID:	460-191351-5
Client ID:	MW-2I 091119		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.72	85.00	903	0.256466
0.71	87.00	825	

Reviewer: desais, 17-Sep-2019 06:49:13

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-46I 091119 Lab Sample ID: 460-191351-6

Matrix: Water Lab File ID: P65911.D

Analysis Method: 8260C Date Collected: 09/11/2019 10:05

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 15:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	5.7		5.0	4.4
71-43-2	Benzene	12		1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.71	J	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	1.1		1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.56	J	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-46I 091119 Lab Sample ID: 460-191351-6

Matrix: Water Lab File ID: P65911.D

Analysis Method: 8260C Date Collected: 09/11/2019 10:05

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 15:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.40	J	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	1.0	J	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		74-132
460-00-4	4-Bromofluorobenzene	94		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D
Lims ID: 460-191351-B-6
Client ID: MW-46I 091119
Sample Type: Client
Inject. Date: 16-Sep-2019 15:49:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-6
Misc. Info.: 460-0097638-022
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 06:51:37 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0309

First Level Reviewer: desais Date: 17-Sep-2019 06:49:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	85	5196	5.68	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	277900	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	145986	50.3	
* 53 2-Butanone-d5	46	2.963	2.955	0.008	0	358104	250.0	
58 Benzene	78	3.185	3.185	0.000	97	159205	12.2	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	186959	49.5	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	642092	50.0	
69 Trichloroethene	130	3.672	3.672	0.000	91	694	0.2234	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.000	0	26702	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.047	0.000	99	589563	47.8	
83 Toluene	91	5.104	5.104	0.000	90	5662	0.4047	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	463847	50.0	
97 Chlorobenzene	112	6.938	6.931	0.007	91	6032	0.7090	
98 Ethylbenzene	106	7.017	7.017	0.000	99	4762	1.08	
100 m-Xylene & p-Xylene	106	7.246	7.232	0.014	0	3056	0.5546	
101 o-Xylene	106	7.826	7.819	0.007	91	2568	0.4939	
105 Isopropylbenzene	105	8.306	8.306	0.000	97	6925	0.5606	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	178508	46.9	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	243605	50.0	
S 140 Xylenes, Total	100				0		1.05	

Reagents:

8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

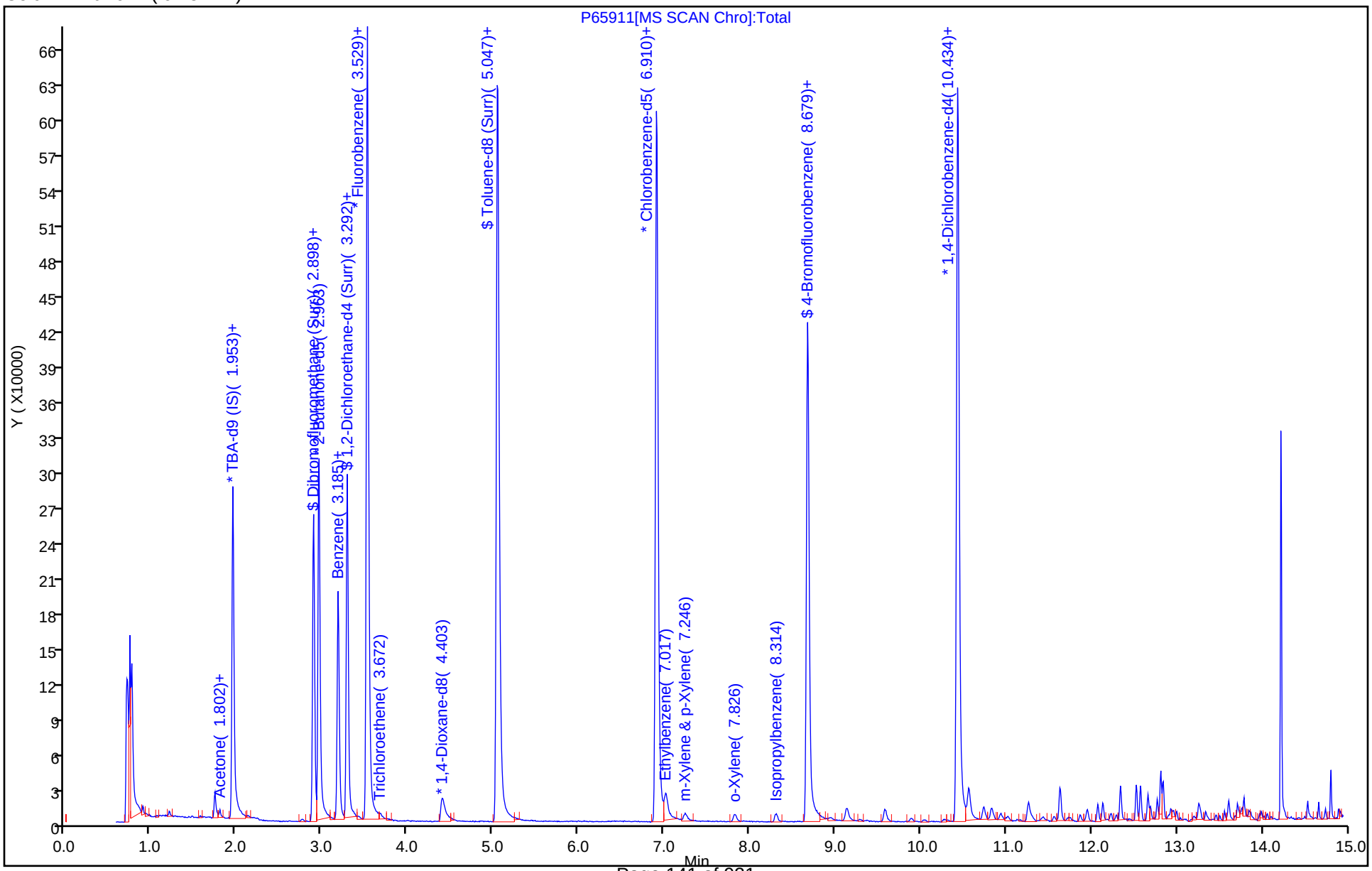
Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D

Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6	Worklist Smp#:	22
Client ID:	MW-46I 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



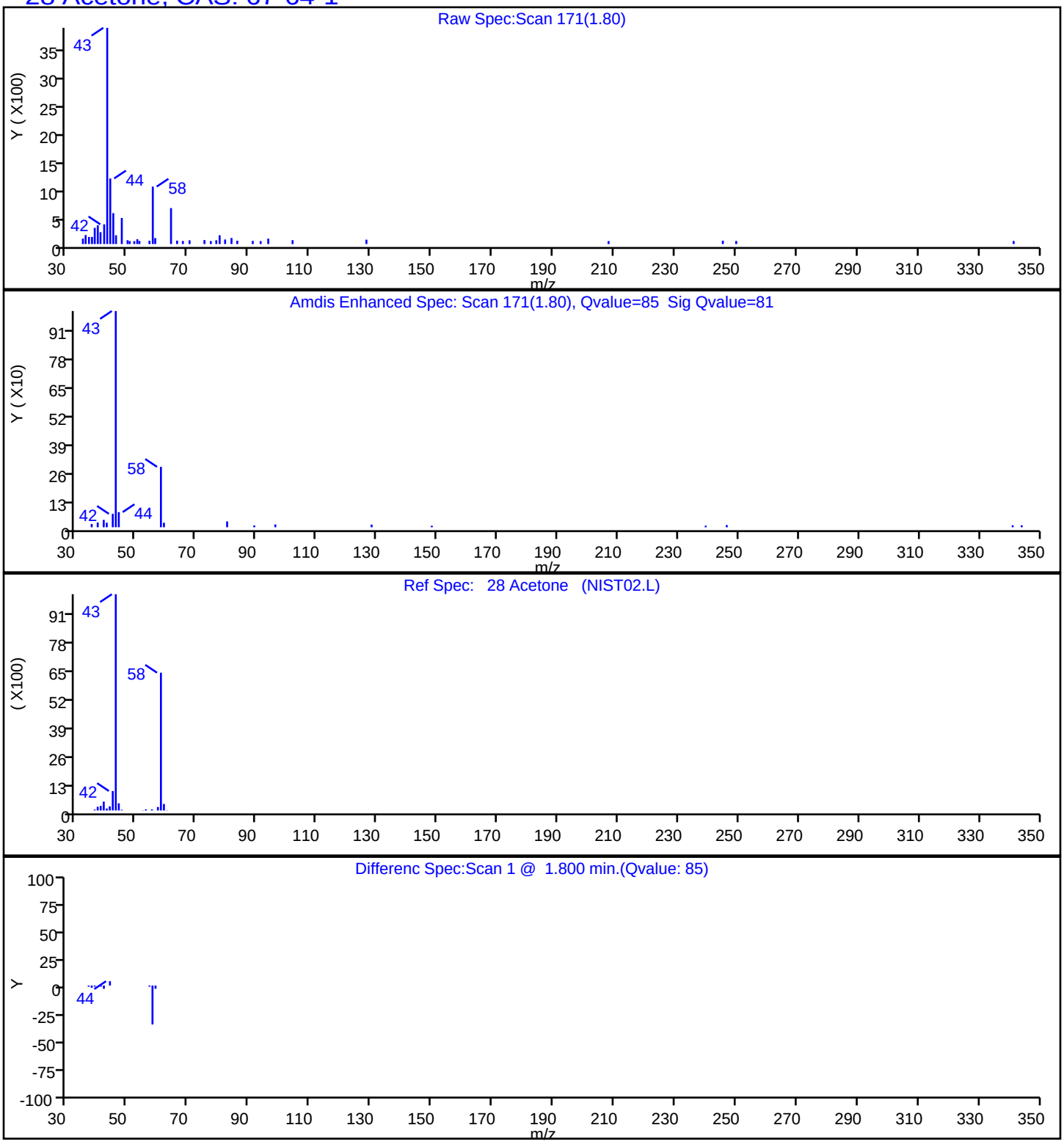
Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D

Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

28 Acetone, CAS: 67-64-1



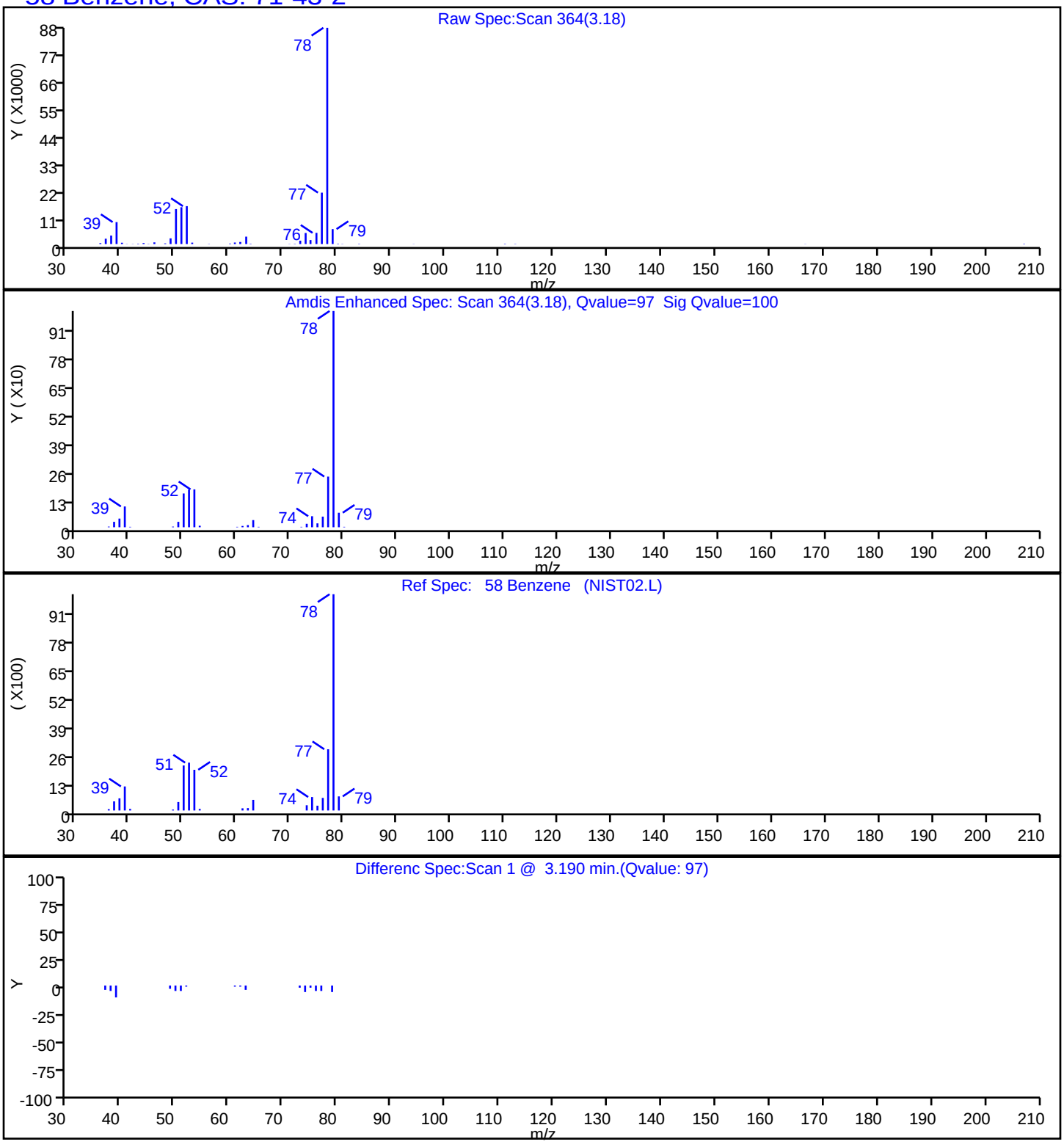
Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D

Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

58 Benzene, CAS: 71-43-2

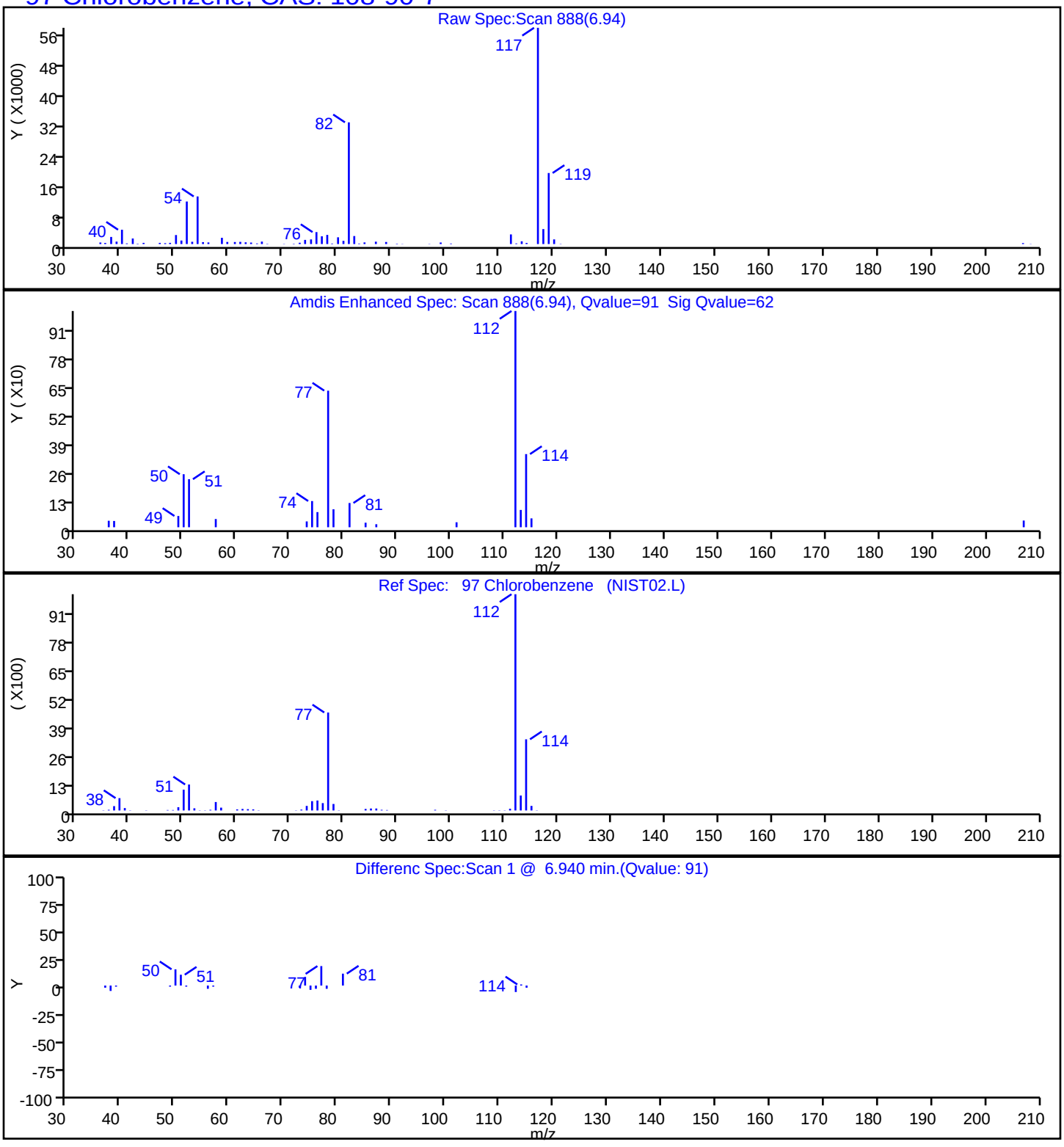


Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D				
Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

97 Chlorobenzene, CAS: 108-90-7



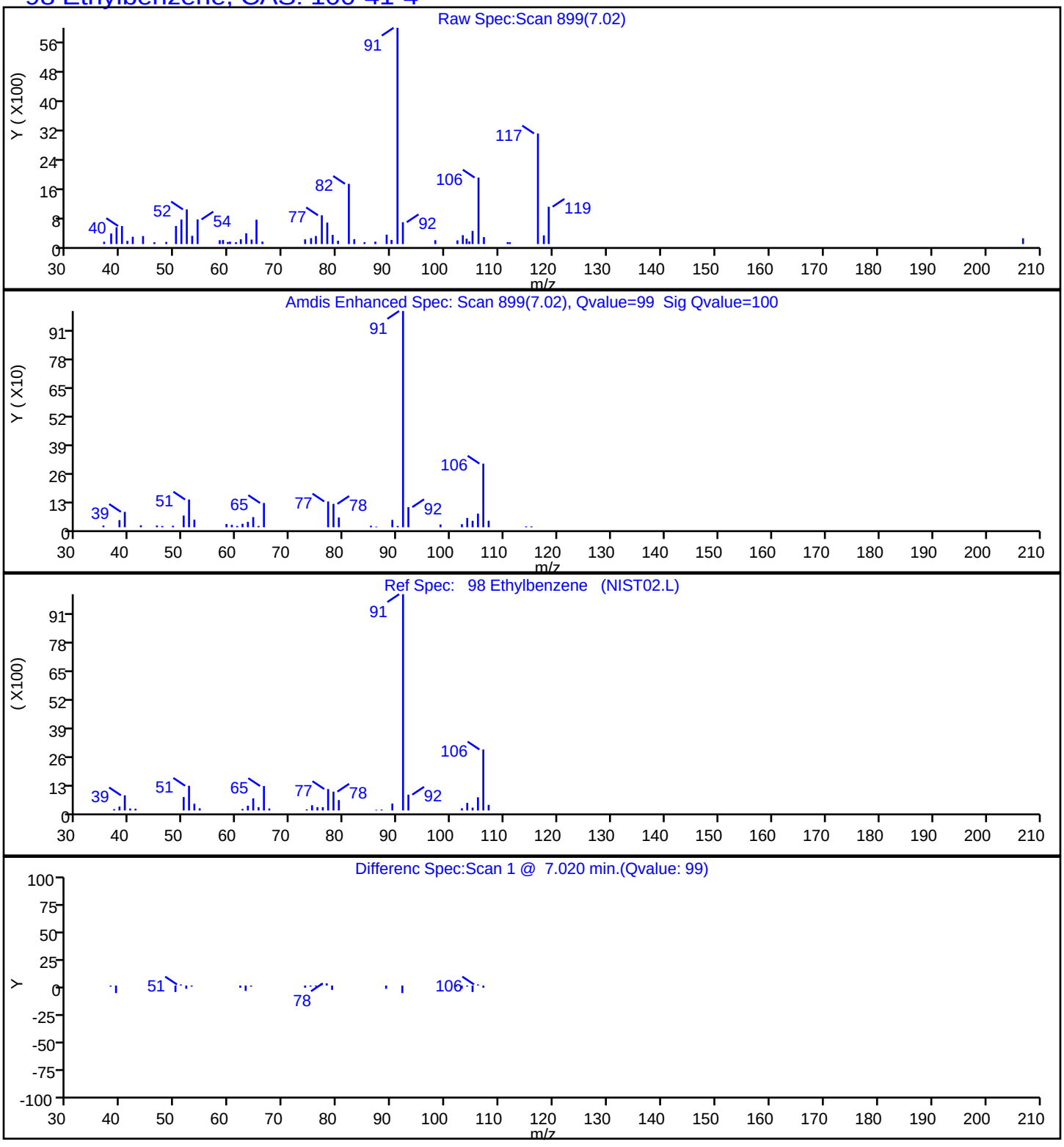
Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D

Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6
Client ID:	MW-46I 091119		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

98 Ethylbenzene, CAS: 100-41-4



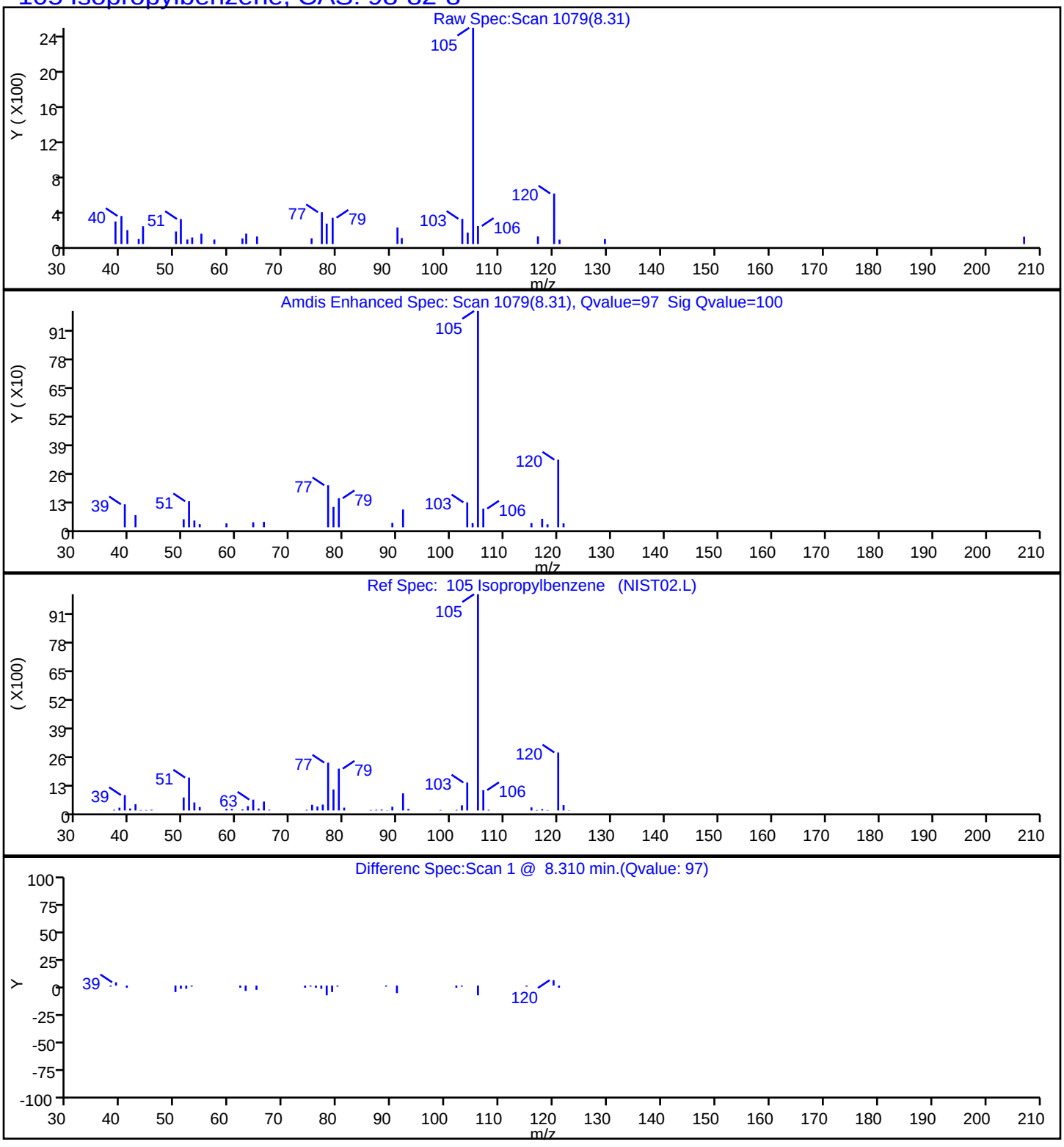
Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D

Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

105 Isopropylbenzene, CAS: 98-82-8



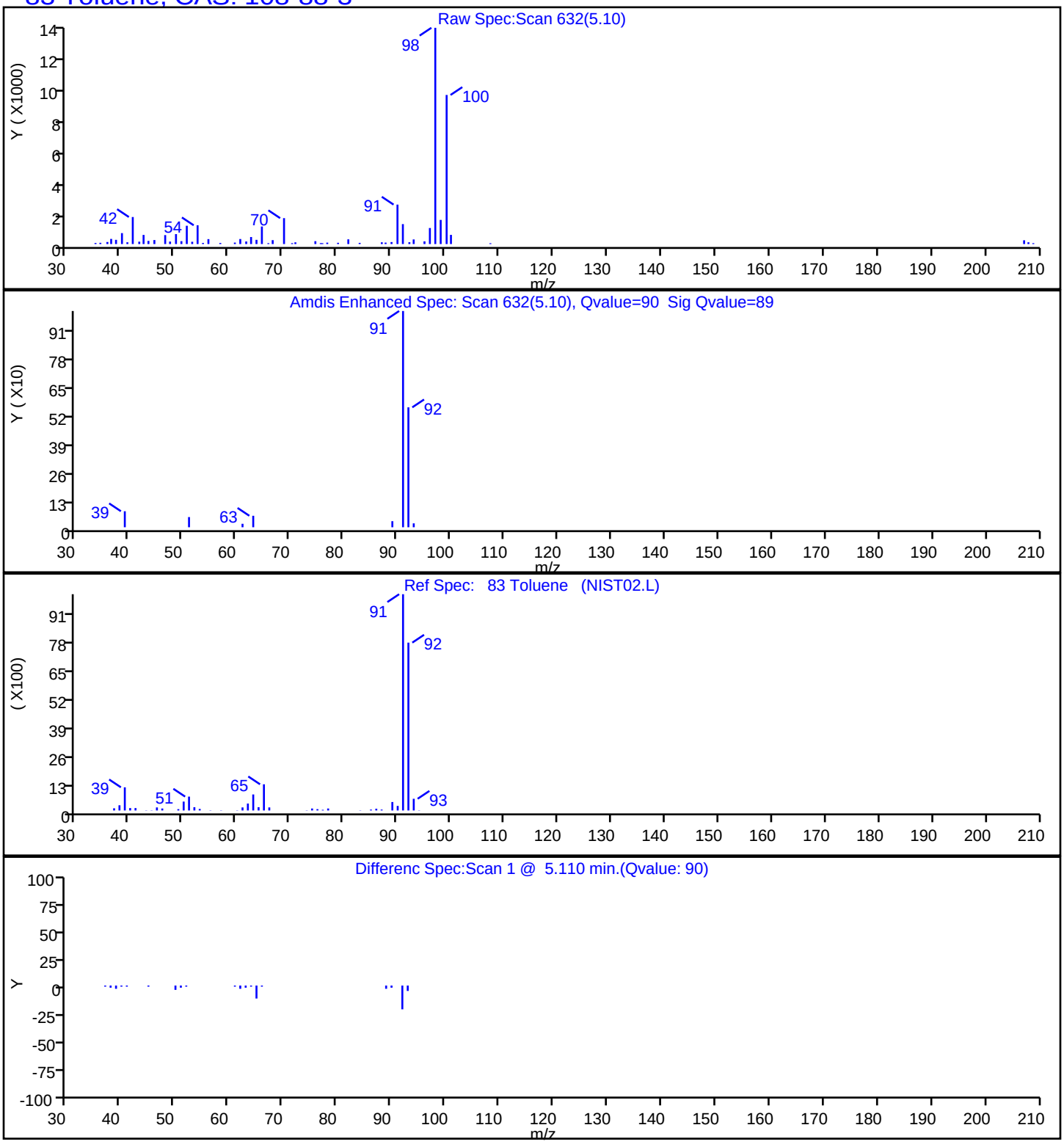
Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D

Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Toluene, CAS: 108-88-3

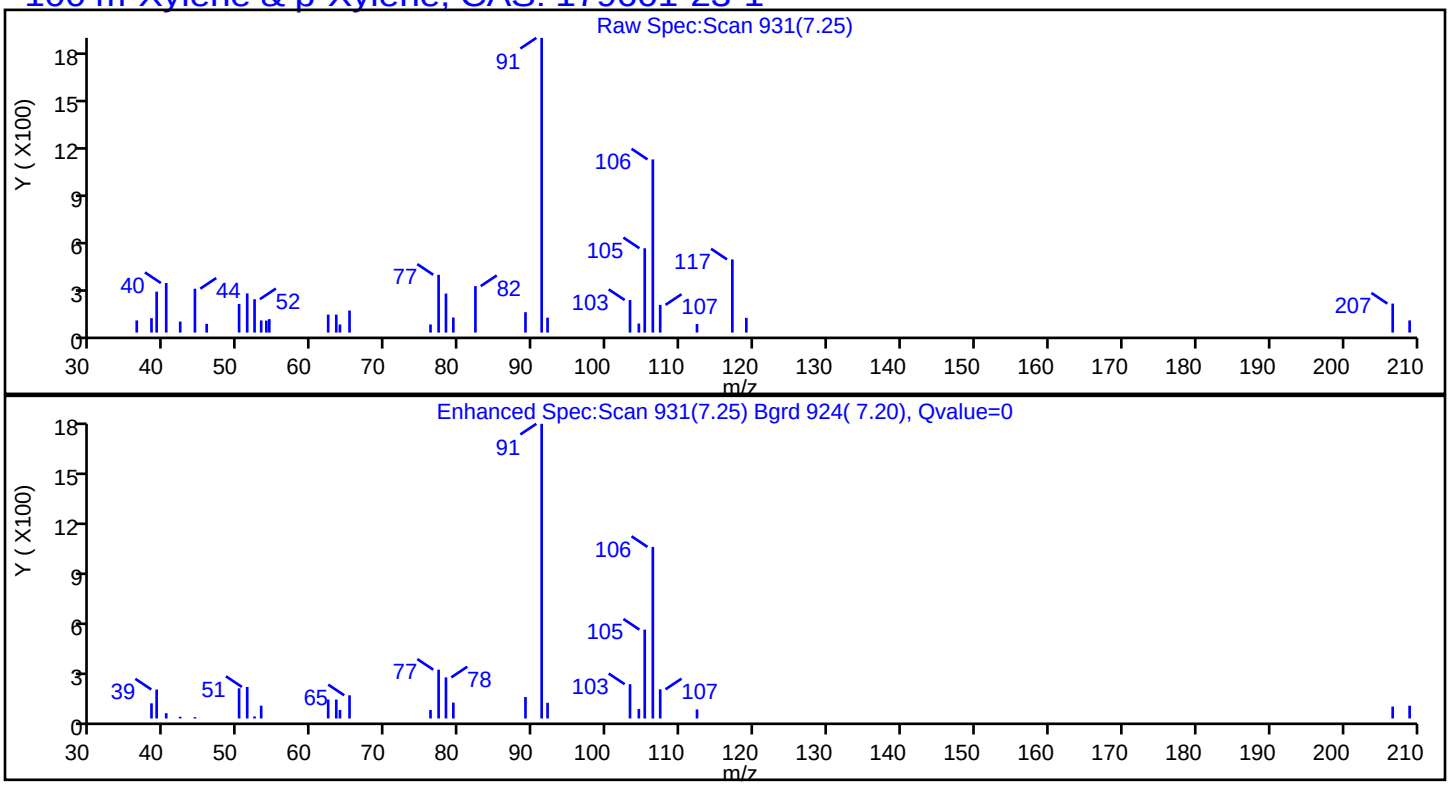


Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D				
Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

100 m-Xylene & p-Xylene, CAS: 179601-23-1



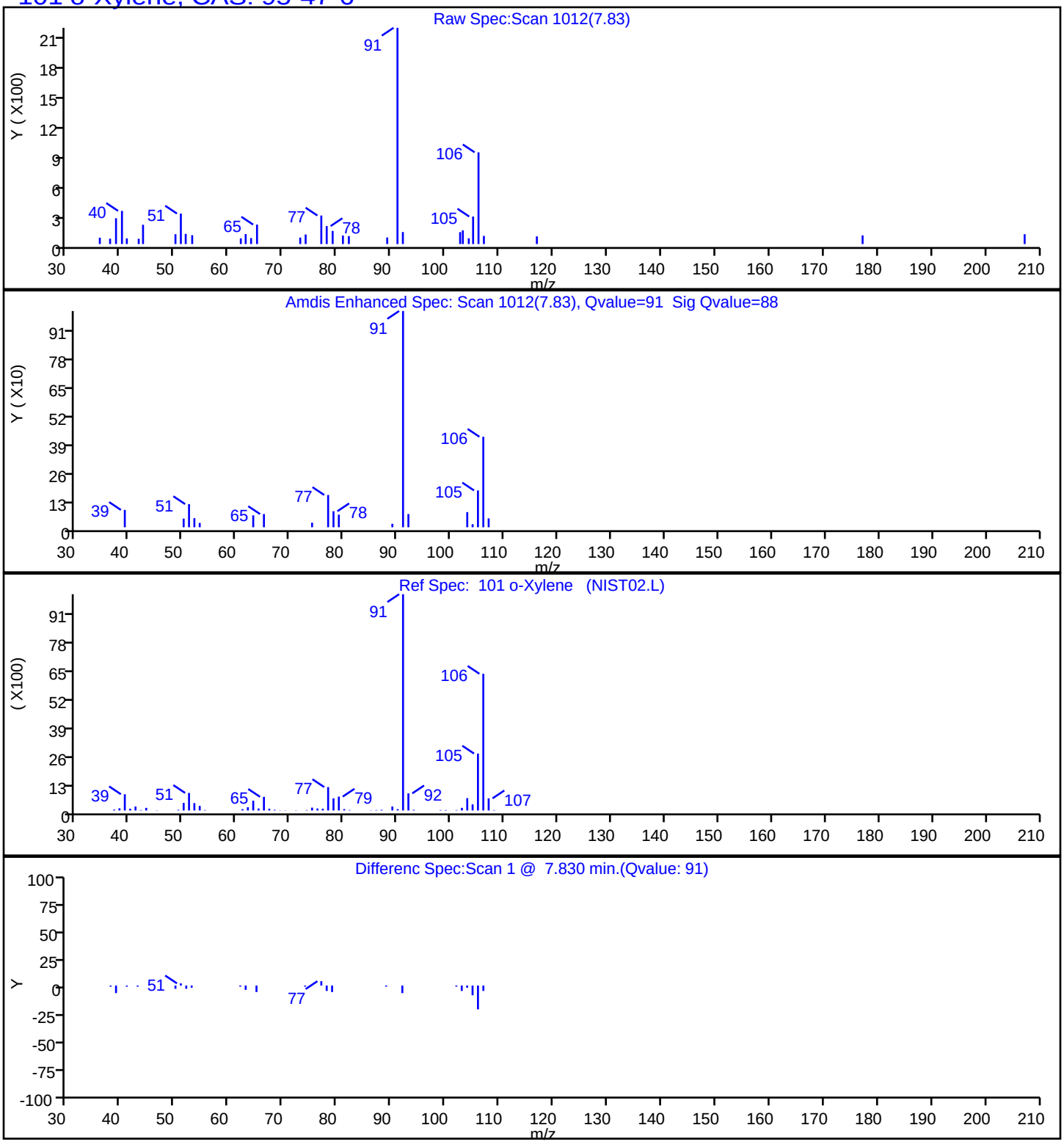
Report Date: 17-Sep-2019 06:51:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D

Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

101 o-Xylene, CAS: 95-47-6



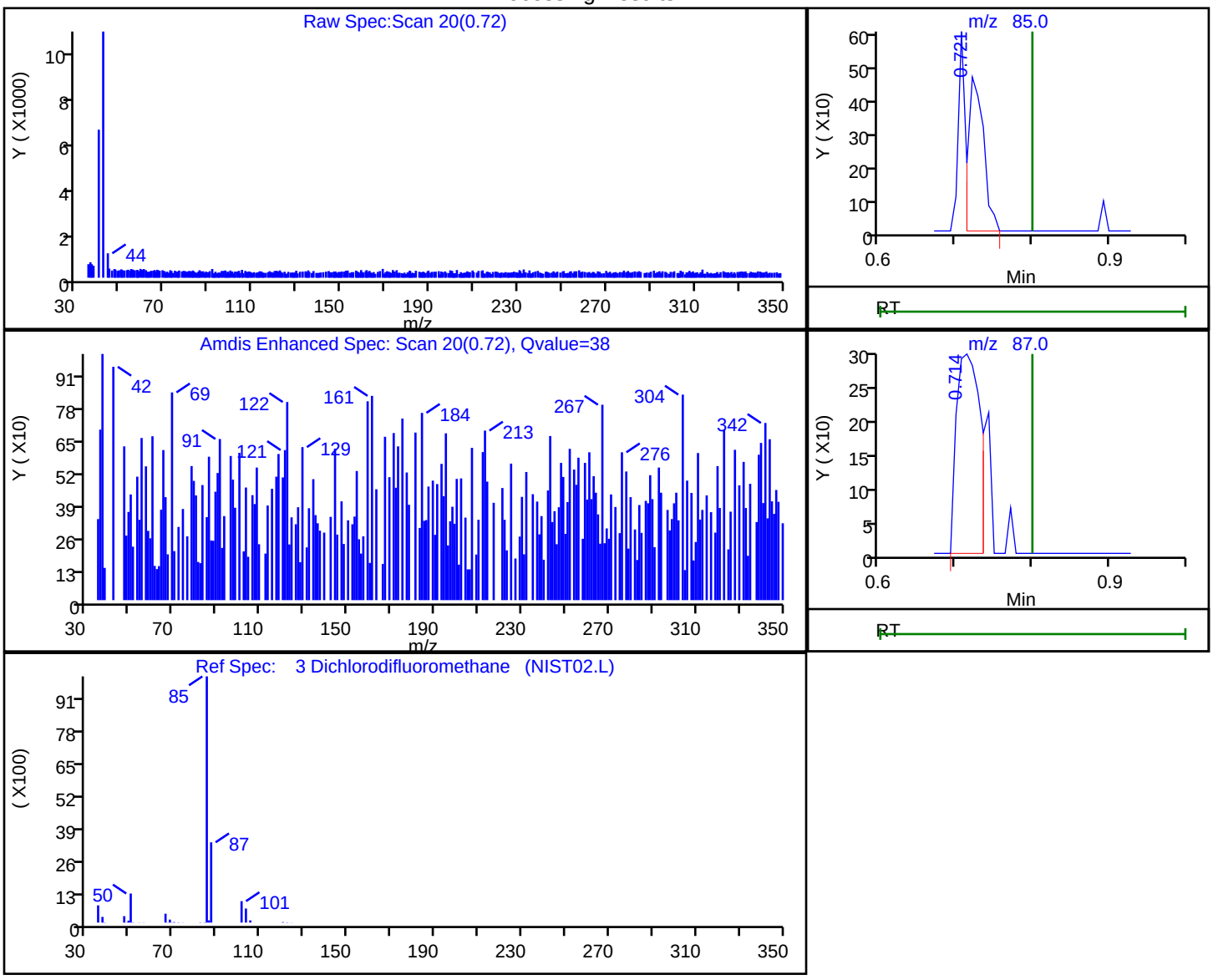
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D		
Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6
Client ID:	MW-46I 091119		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.72	85.00	659	0.184862
0.71	87.00	633	

Reviewer: desais, 17-Sep-2019 06:49:29

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

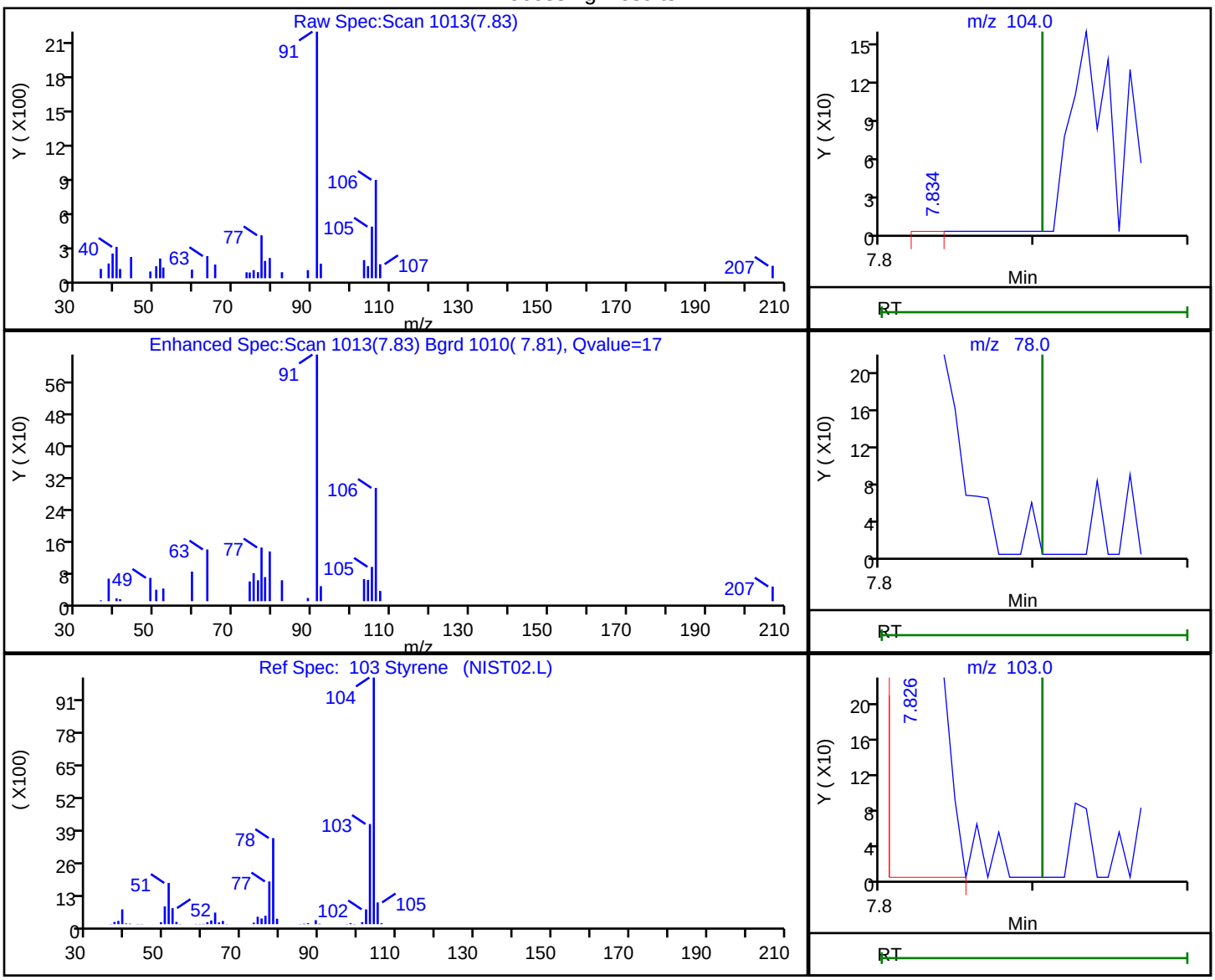
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65911.D		
Injection Date:	16-Sep-2019 15:49:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-6	Lab Sample ID:	460-191351-6
Client ID:	MW-46I 091119		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

103 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.83	104.00	71	0.384652
7.84	78.00	520	
7.83	103.00	393	

Reviewer: desais, 17-Sep-2019 06:49:41

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-40D 091119 Lab Sample ID: 460-191351-7

Matrix: Water Lab File ID: P65912.D

Analysis Method: 8260C Date Collected: 09/11/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 16:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-40D 091119 Lab Sample ID: 460-191351-7

Matrix: Water Lab File ID: P65912.D

Analysis Method: 8260C Date Collected: 09/11/2019 11:45

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 16:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		74-132
460-00-4	4-Bromofluorobenzene	92		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65912.D
Lims ID: 460-191351-B-7
Client ID: MW-40D 091119
Sample Type: Client
Inject. Date: 16-Sep-2019 16:14:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-7
Misc. Info.: 460-0097638-023
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 06:51:37 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0309

First Level Reviewer: desais Date: 17-Sep-2019 06:49:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	276050	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	147404	50.9	
* 53 2-Butanone-d5	46	2.963	2.955	0.008	0	361221	250.0	
58 Benzene	78	3.192	3.185	0.007	96	1678	0.1274	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	189127	50.3	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	639848	50.0	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.000	0	25729	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.054	5.047	0.007	99	583096	46.8	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	467720	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	90	177298	46.2	
* 123 1,4-Dichlorobenzene-d4	152	10.441	10.434	0.007	97	246598	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

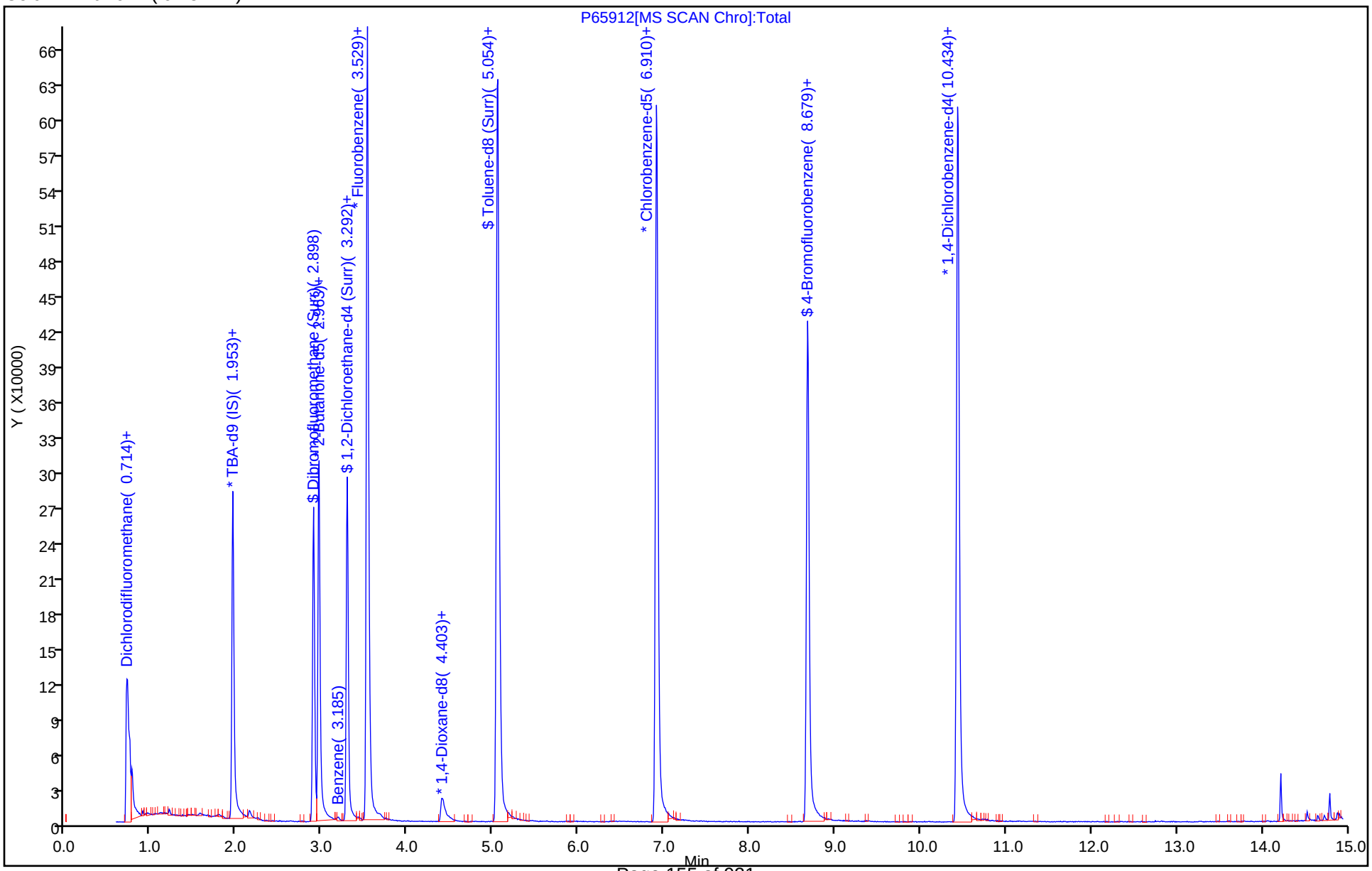
Report Date: 17-Sep-2019 06:51:57 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65912.D

Injection Date:	16-Sep-2019 16:14:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-7	Lab Sample ID:	460-191351-7	Worklist Smp#:	23
Client ID:	MW-40D 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



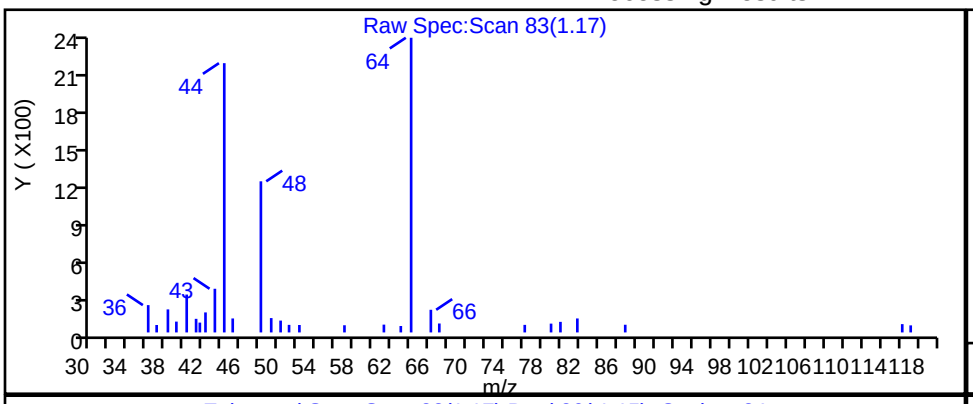
User Disabled Compound Report

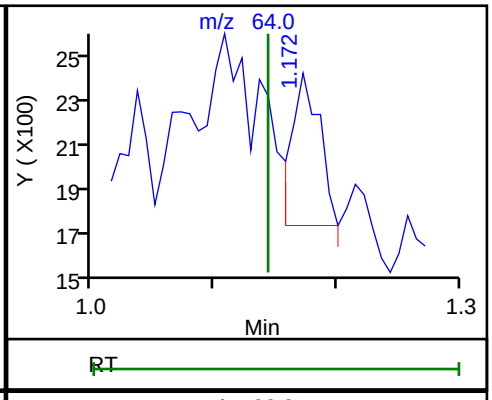
Eurofins TestAmerica, Edison

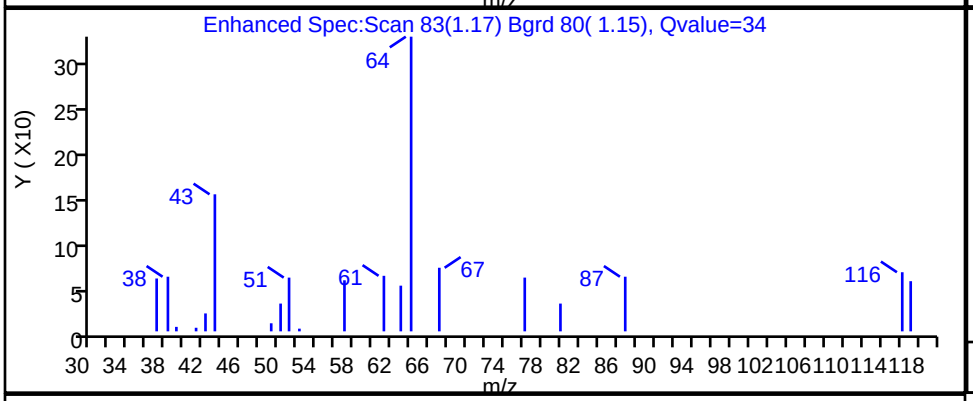
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65912.D		
Injection Date:	16-Sep-2019 16:14:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-7	Lab Sample ID:	460-191351-7
Client ID:	MW-40D 091119		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

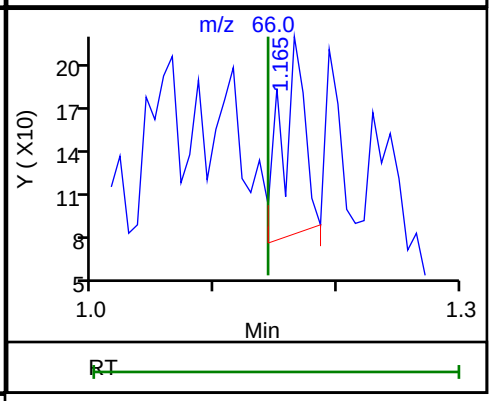
10 Chloroethane, CAS: 75-00-3

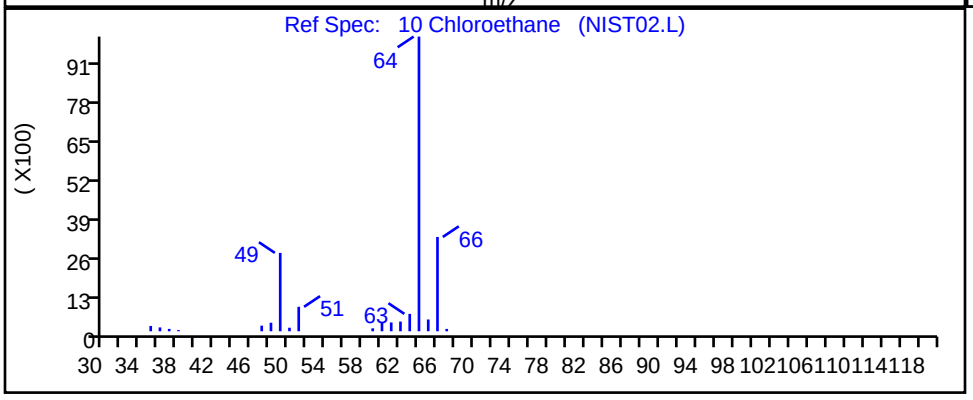
Processing Results











RT	Mass	Response	Amount
1.17	64.00	1036	0.496850
1.16	66.00	182	

Reviewer: desais, 17-Sep-2019 06:49:48

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: TW-2S 091119 Lab Sample ID: 460-191351-8

Matrix: Water Lab File ID: P65916.D

Analysis Method: 8260C Date Collected: 09/11/2019 10:20

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 17:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	J	5.0	4.4
71-43-2	Benzene	230		1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	76		1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	2.8		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: TW-2S 091119 Lab Sample ID: 460-191351-8

Matrix: Water Lab File ID: P65916.D

Analysis Method: 8260C Date Collected: 09/11/2019 10:20

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 17:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	7.3		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	28		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	96		77-124
1868-53-7	Dibromofluoromethane (Surr)	100		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D
Lims ID: 460-191351-B-8
Client ID: TW-2S 091119
Sample Type: Client
Inject. Date: 16-Sep-2019 17:54:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-8
Misc. Info.: 460-0097638-027
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 06:51:37 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0309

First Level Reviewer: desais Date: 17-Sep-2019 06:51:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
19 Carbon disulfide	76	1.480	1.480	0.000	99	2376	0.2718	
28 Acetone	43	1.802	1.802	0.000	86	3906	4.35	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	282006	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	144964	49.8	
* 53 2-Butanone-d5	46	2.963	2.955	0.008	0	351683	250.0	
58 Benzene	78	3.185	3.185	0.000	97	3032556	233.1	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	185655	49.0	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	643992	50.0	
* 76 1,4-Dioxane-d8	96	4.410	4.402	0.008	0	26383	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.047	0.000	99	589522	47.9	
83 Toluene	91	5.105	5.104	0.001	93	101794	7.30	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	462083	50.0	
98 Ethylbenzene	106	7.017	7.017	0.000	99	335129	76.3	
100 m-Xylene & p-Xylene	106	7.239	7.232	0.007	0	54141	9.86	
101 o-Xylene	106	7.819	7.819	0.000	93	91599	17.7	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	34434	2.80	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	181499	47.9	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	257938	50.0	
S 140 Xylenes, Total	100				0		27.5	

Reagents:

8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added: 1.00	Units: uL	Run Reagent

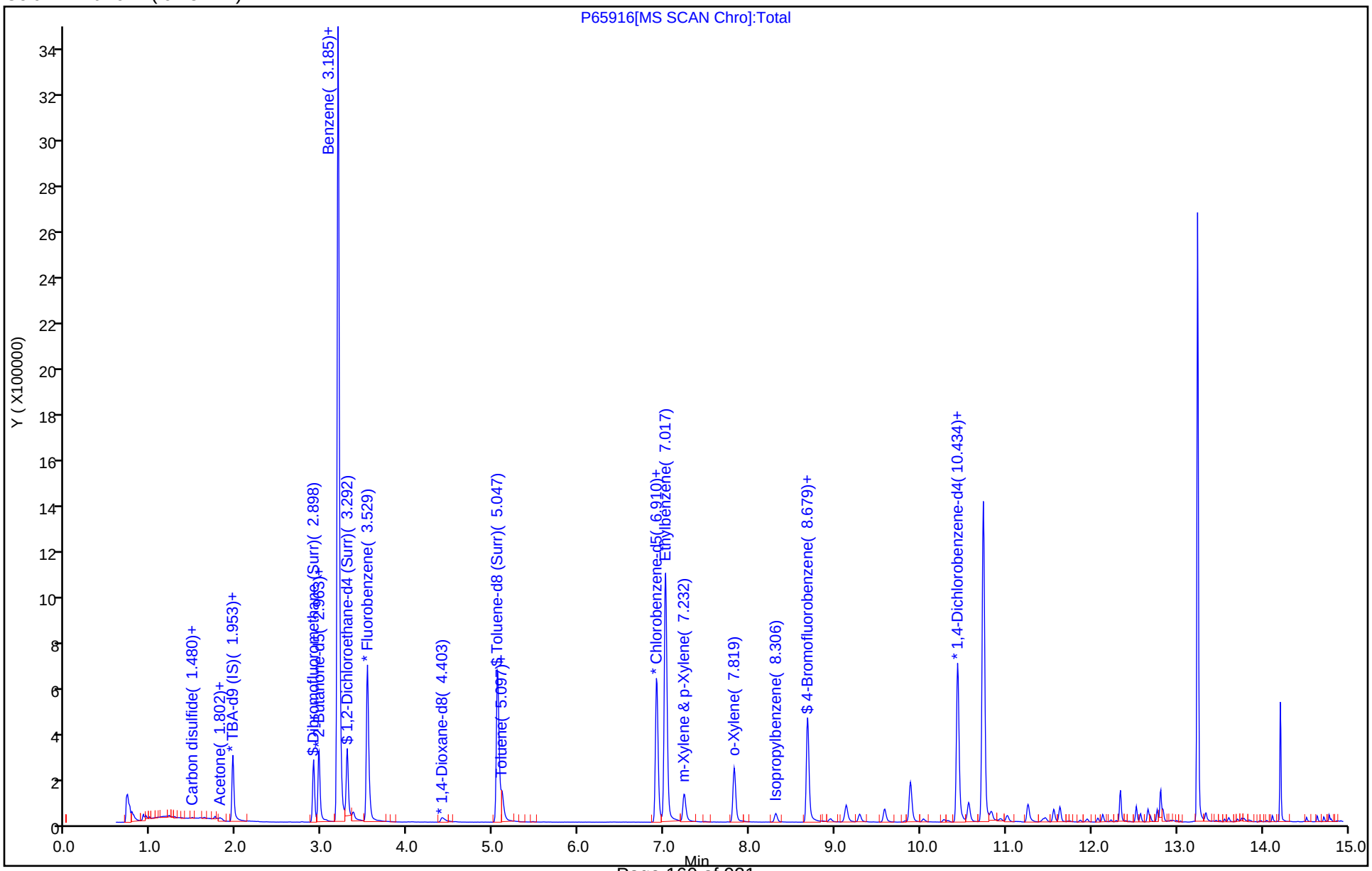
Report Date: 17-Sep-2019 06:52:01 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D

Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8	Worklist Smp#:	27
Client ID:	TW-2S 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



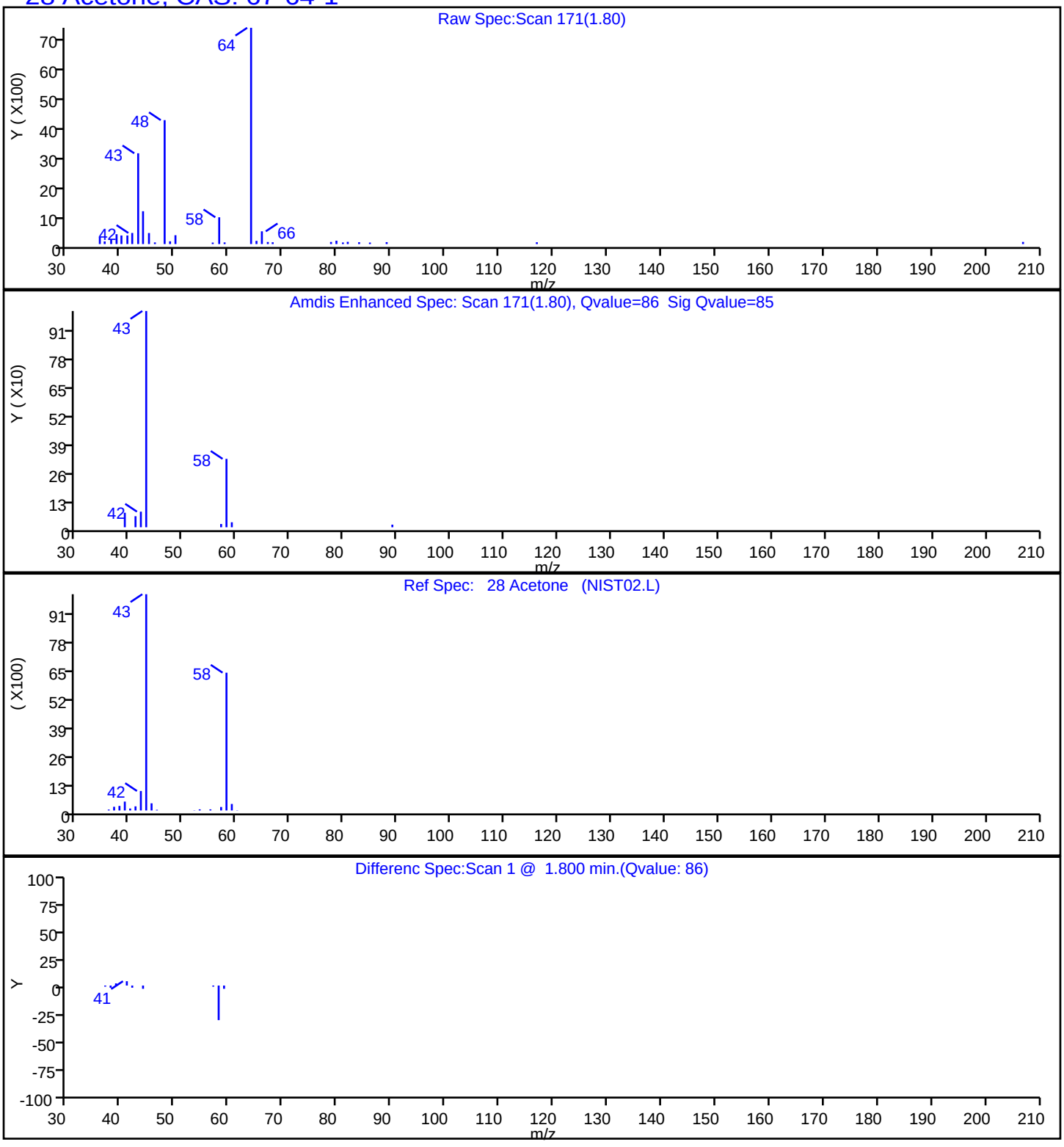
Report Date: 17-Sep-2019 06:52:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D

Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

28 Acetone, CAS: 67-64-1



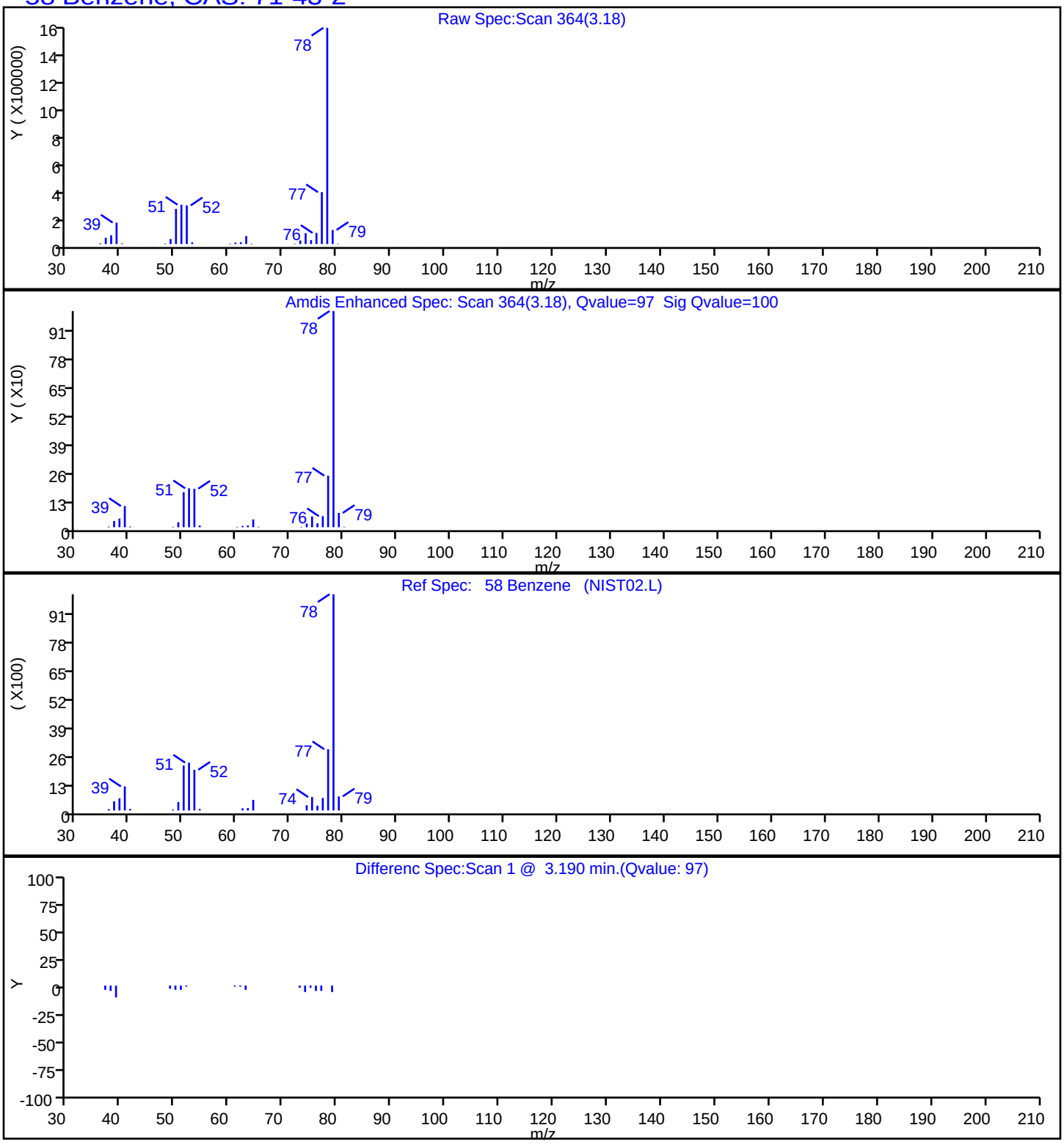
Report Date: 17-Sep-2019 06:52:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D

Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

58 Benzene, CAS: 71-43-2



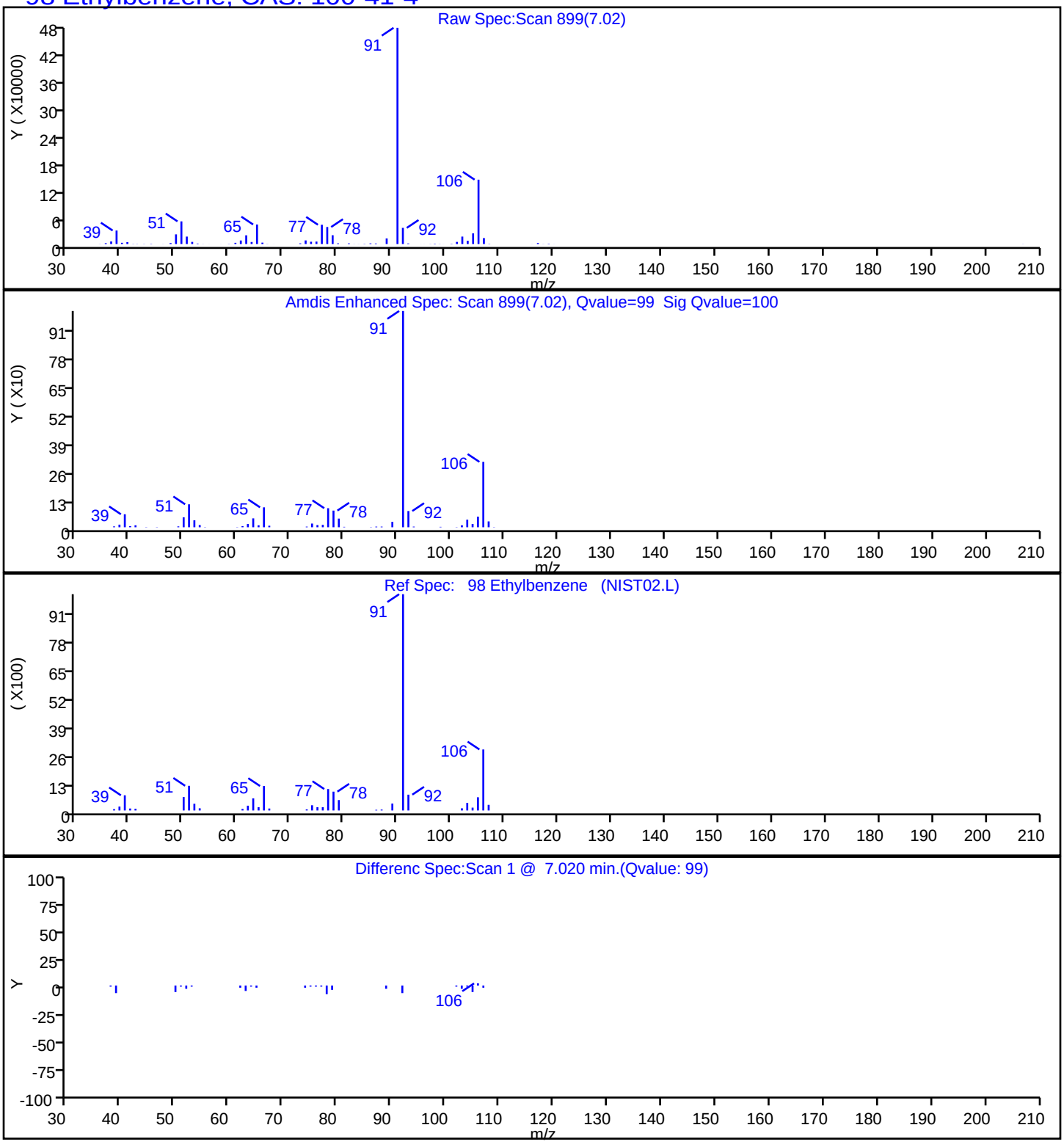
Report Date: 17-Sep-2019 06:52:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D

Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

98 Ethylbenzene, CAS: 100-41-4



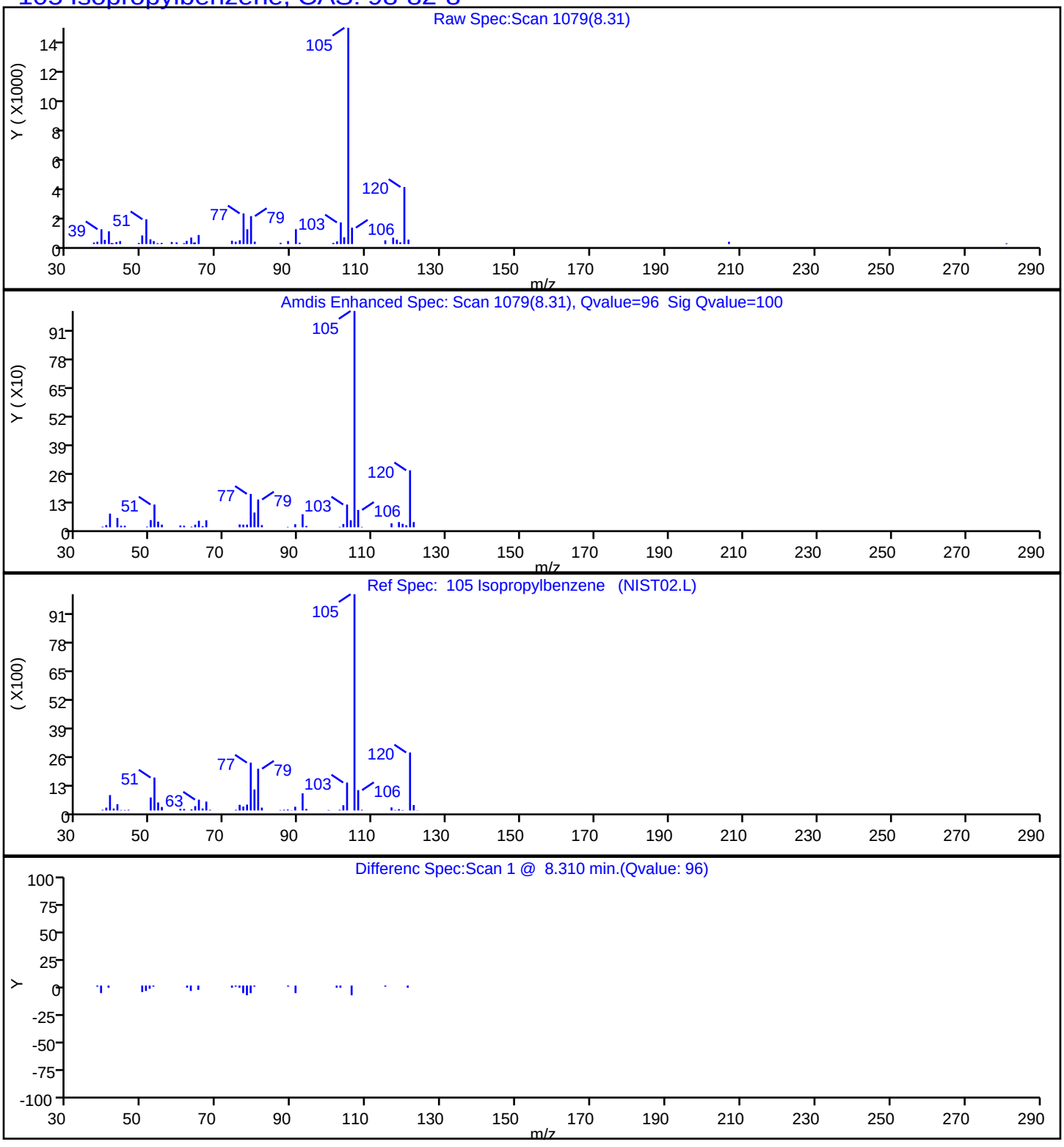
Report Date: 17-Sep-2019 06:52:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D

Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

105 Isopropylbenzene, CAS: 98-82-8



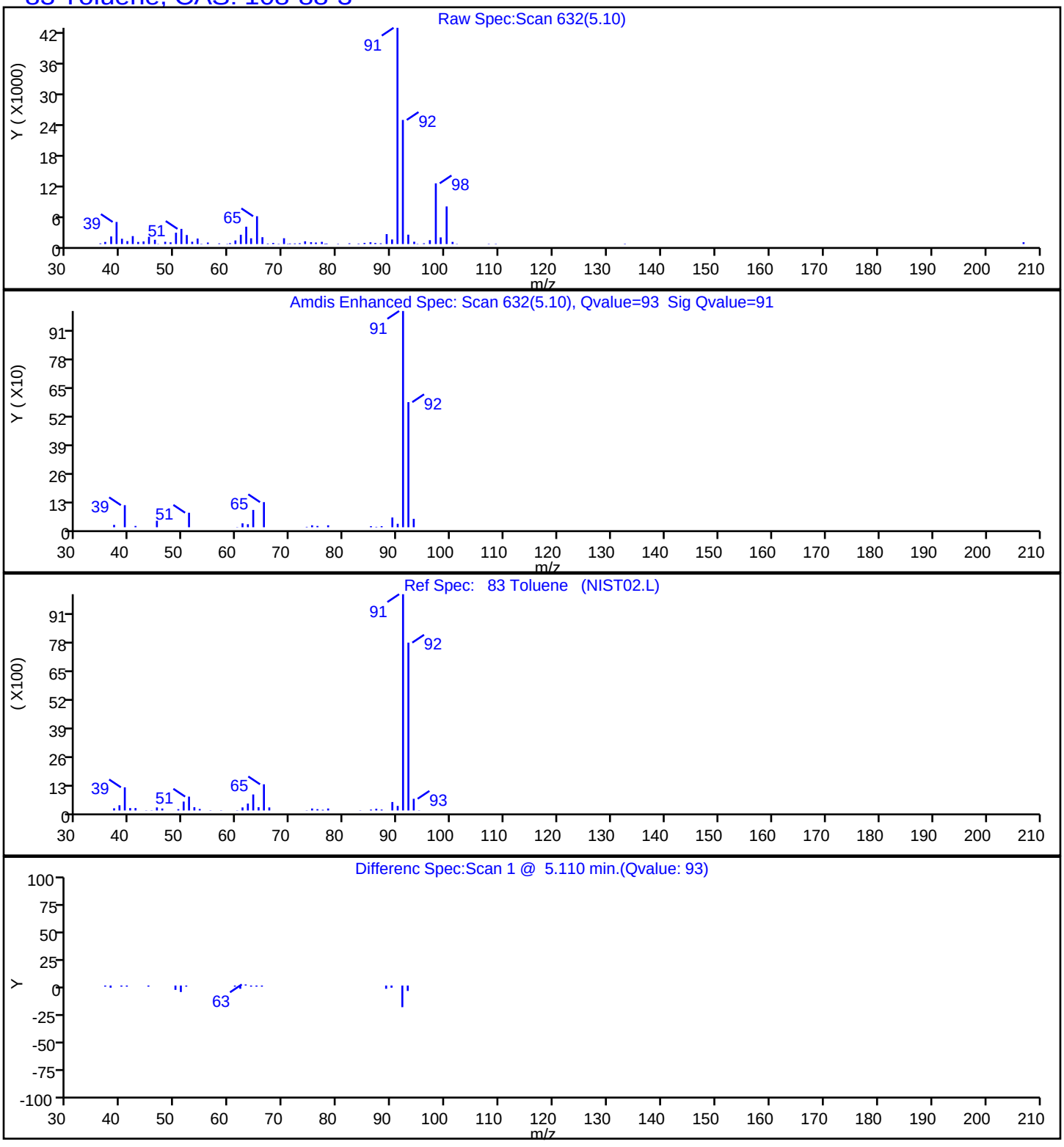
Report Date: 17-Sep-2019 06:52:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D

Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Toluene, CAS: 108-88-3

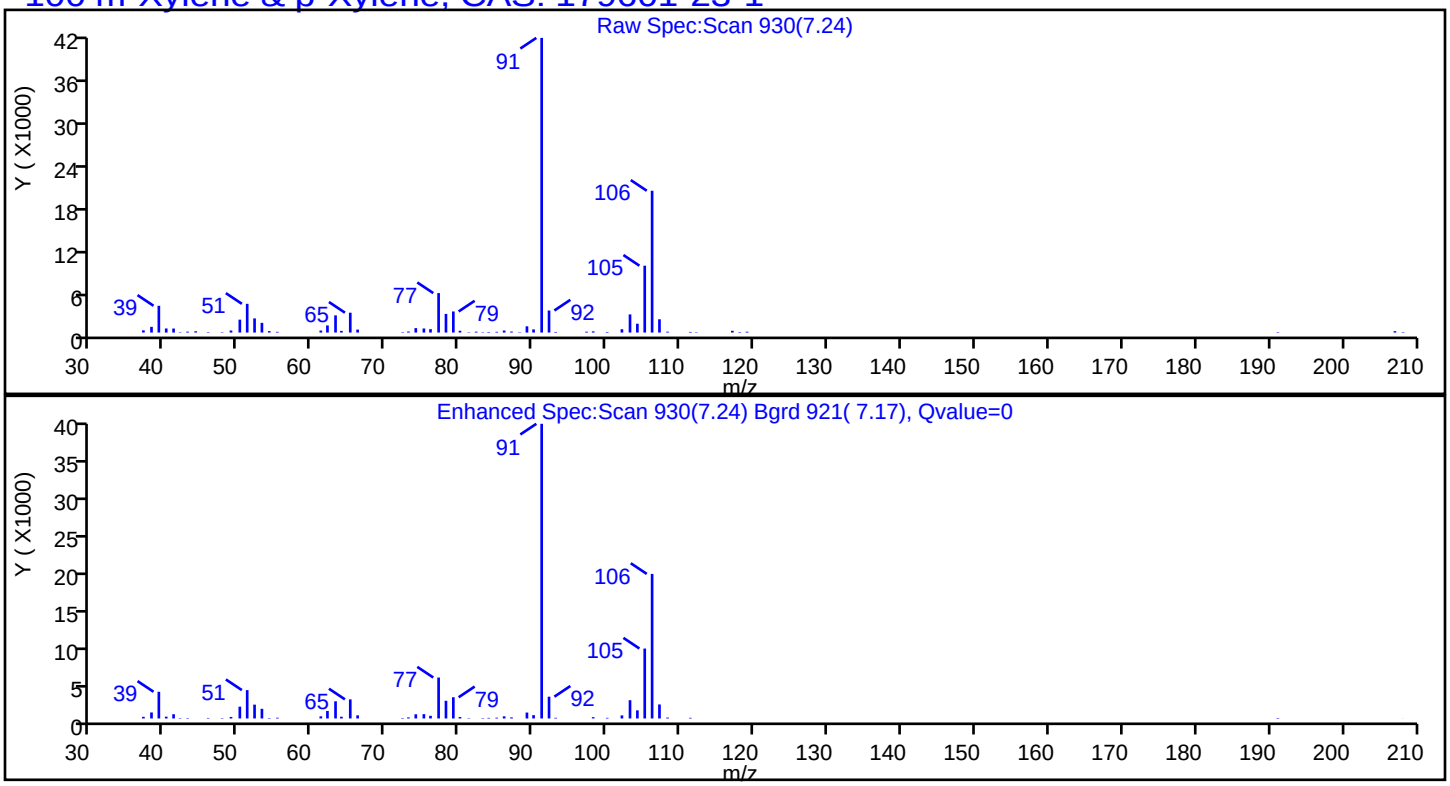


Report Date: 17-Sep-2019 06:52:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D				
Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

100 m-Xylene & p-Xylene, CAS: 179601-23-1



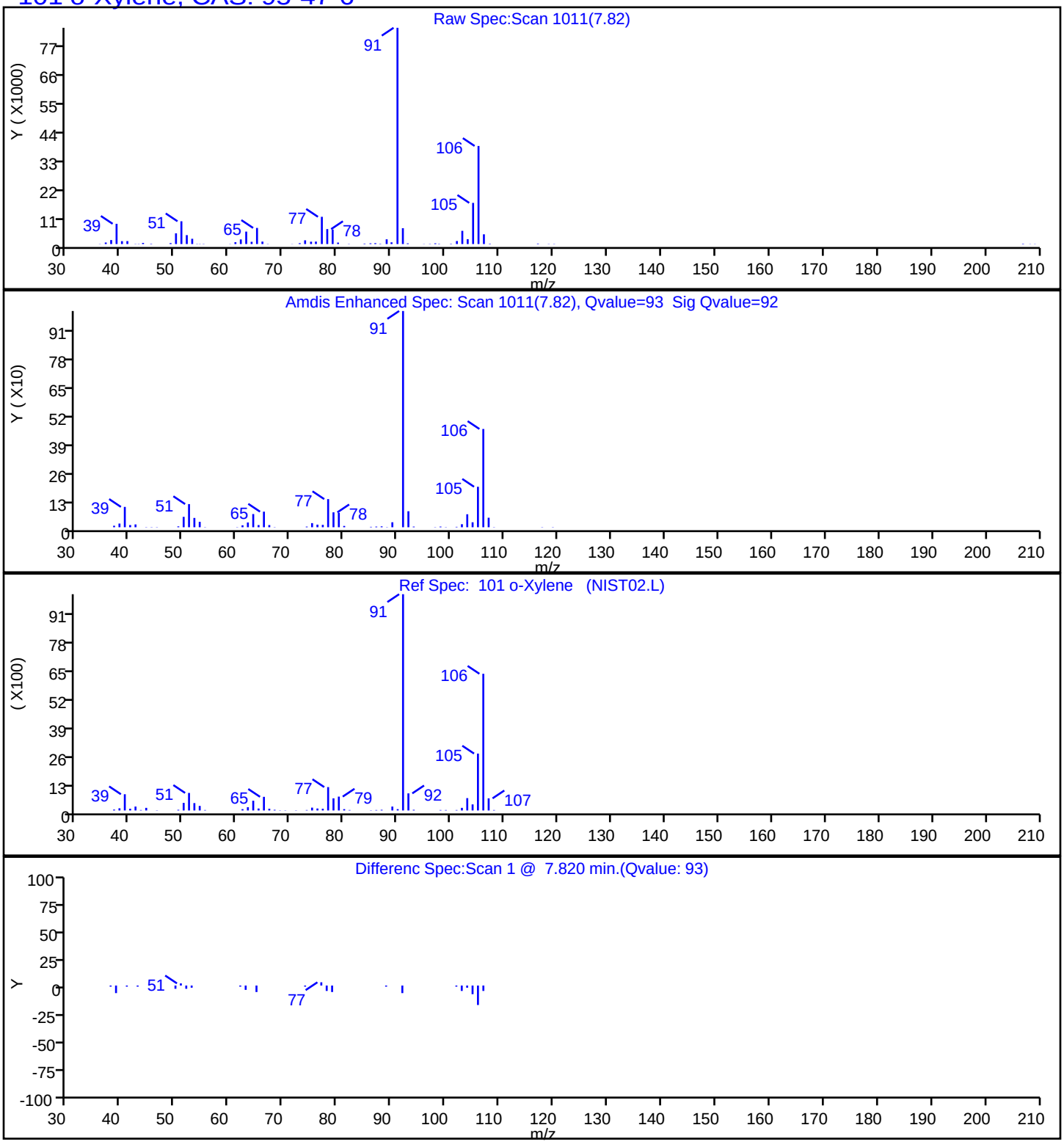
Report Date: 17-Sep-2019 06:52:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D

Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

101 o-Xylene, CAS: 95-47-6



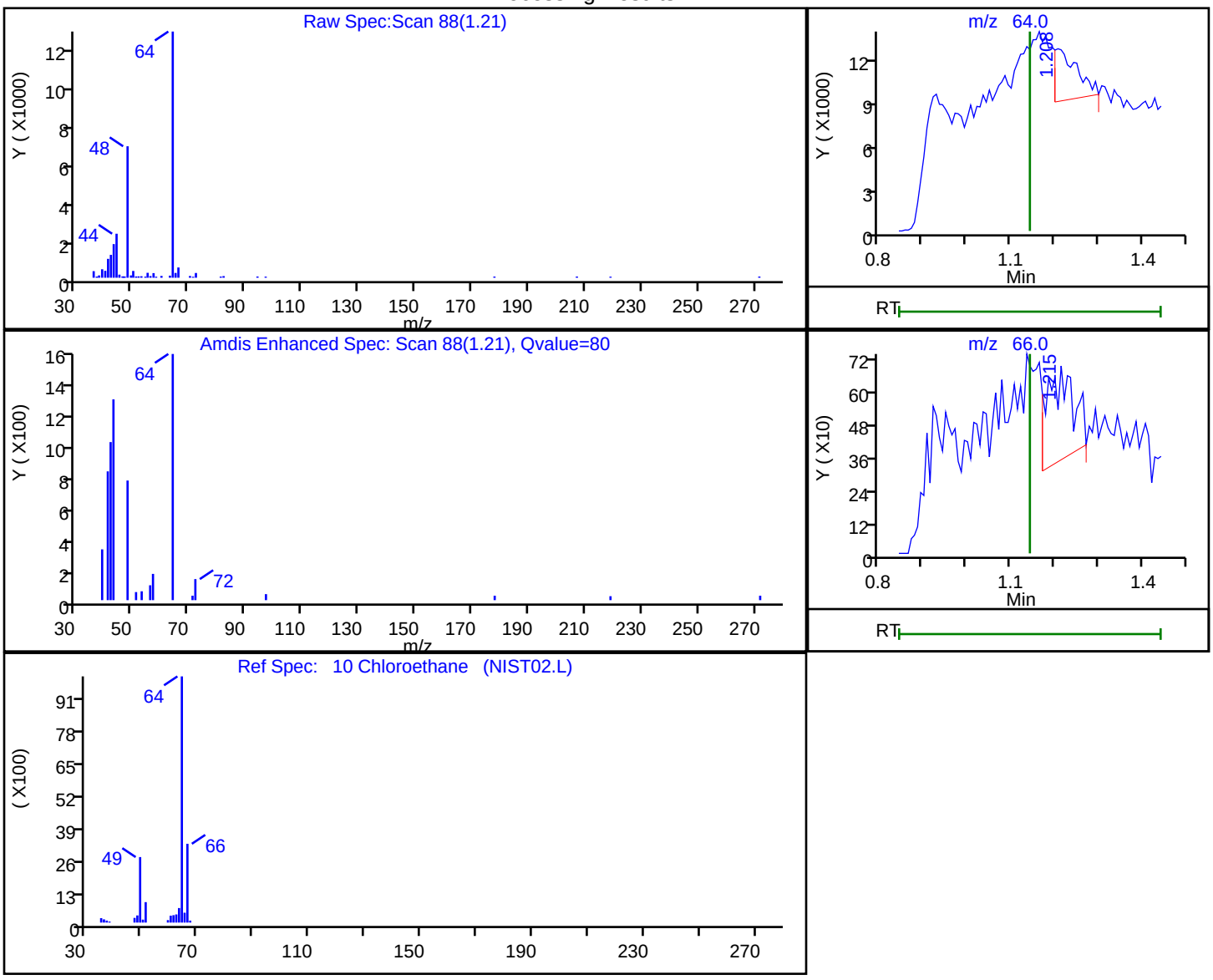
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D				
Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.21	64.00	12876	6.179238
1.22	66.00	1432	

Reviewer: desais, 17-Sep-2019 06:51:15

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

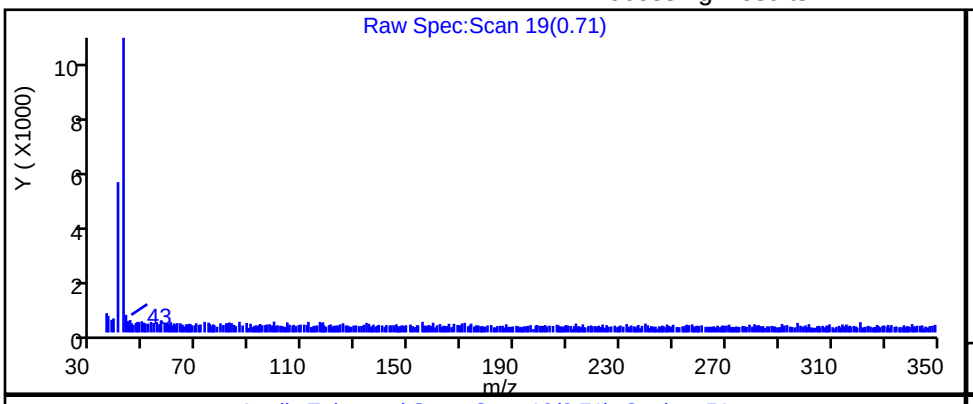
User Disabled Compound Report

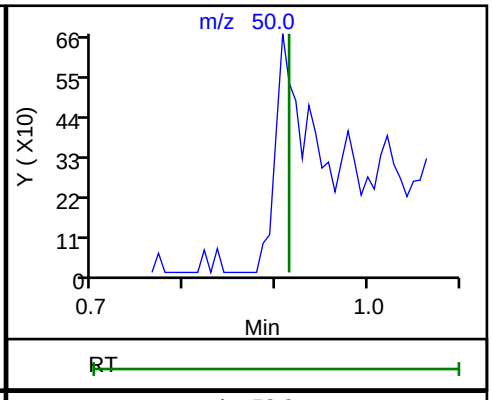
Eurofins TestAmerica, Edison

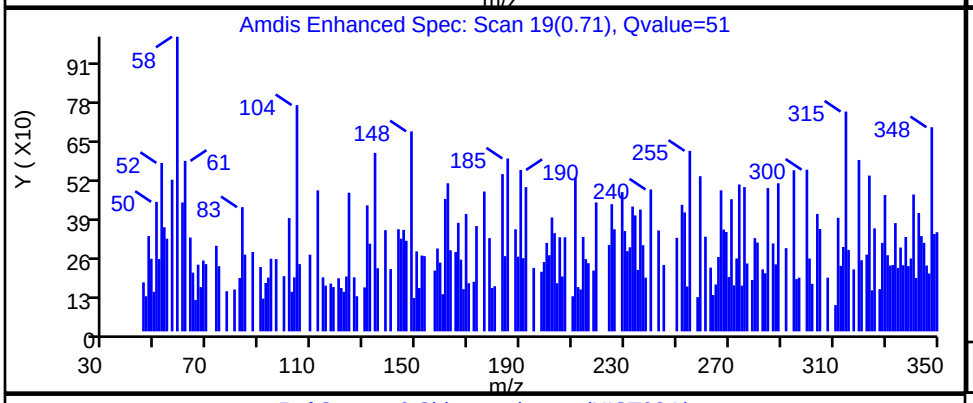
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D		
Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8
Client ID:	TW-2S 091119		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

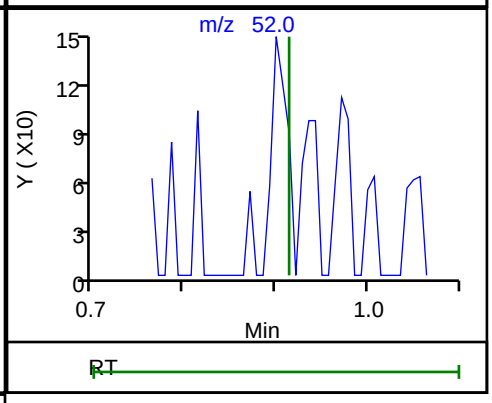
6 Chloromethane, CAS: 74-87-3

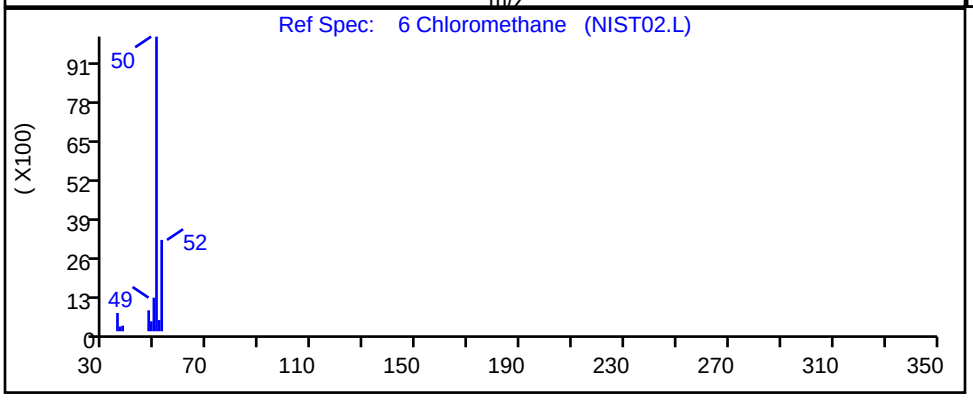
Processing Results











RT	Mass	Response	Amount
0.71	50.00	833	0.234193
0.71	52.00	820	

Reviewer: desais, 17-Sep-2019 06:51:13

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

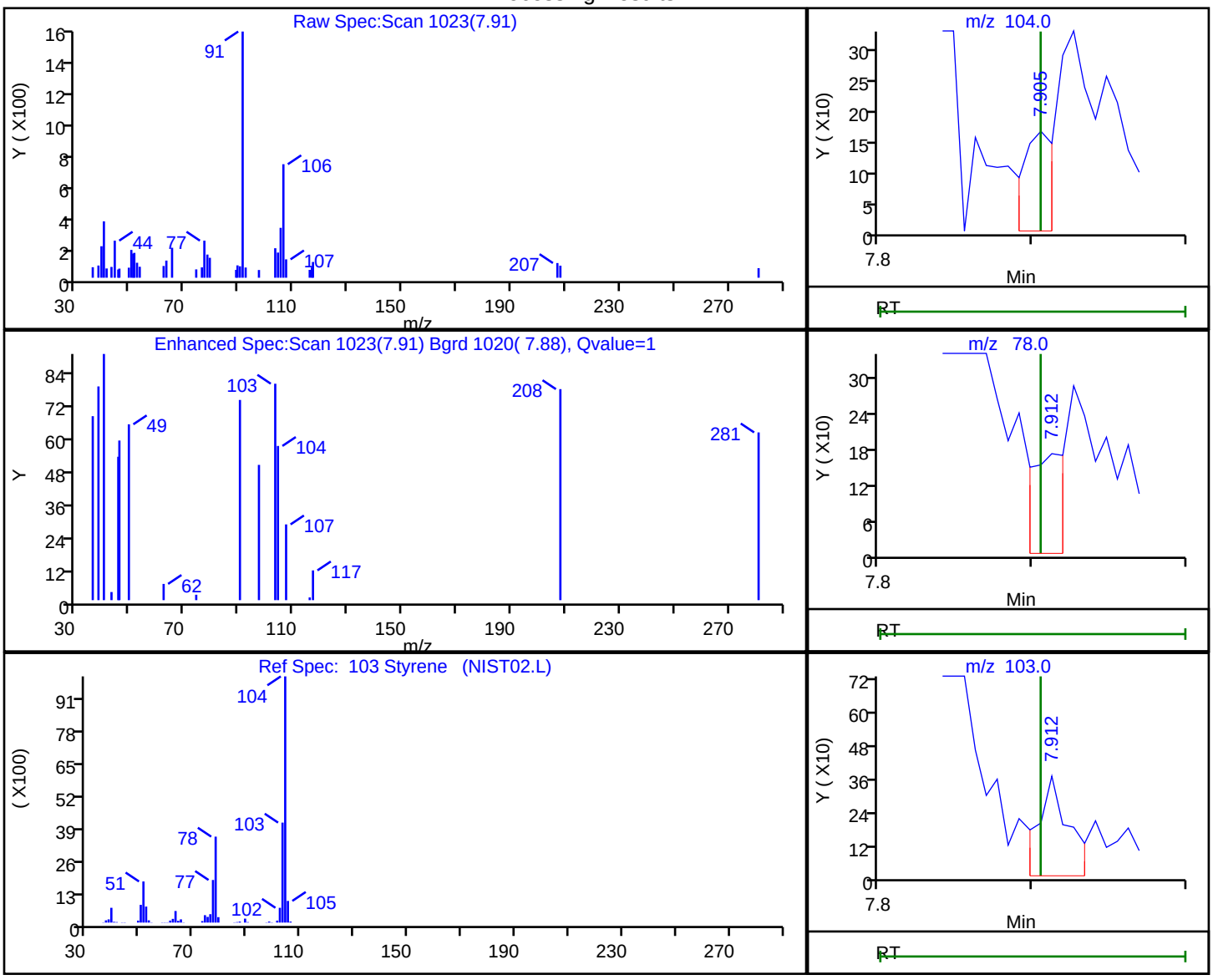
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65916.D		
Injection Date:	16-Sep-2019 17:54:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-8	Lab Sample ID:	460-191351-8
Client ID:	TW-2S 091119		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

103 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.91	104.00	230	0.402499
7.91	78.00	271	
7.91	103.00	514	

Reviewer: desais, 17-Sep-2019 06:51:28

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-38D 091119 Lab Sample ID: 460-191351-9

Matrix: Water Lab File ID: P65913.D

Analysis Method: 8260C Date Collected: 09/11/2019 13:05

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 16:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-38D 091119 Lab Sample ID: 460-191351-9

Matrix: Water Lab File ID: P65913.D

Analysis Method: 8260C Date Collected: 09/11/2019 13:05

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 16:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	91		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65913.D
Lims ID: 460-191351-B-9
Client ID: MW-38D 091119
Sample Type: Client
Inject. Date: 16-Sep-2019 16:39:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-9
Misc. Info.: 460-0097638-024
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 06:51:37 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0309

First Level Reviewer: desais Date: 17-Sep-2019 06:50:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	83	2275	2.49	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	277674	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	145725	50.6	
* 53 2-Butanone-d5	46	2.963	2.955	0.008	0	357576	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	191262	51.1	
* 66 Fluorobenzene	96	3.528	3.529	-0.001	98	637020	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	27327	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.054	5.047	0.007	99	594633	48.4	
* 96 Chlorobenzene-d5	117	6.917	6.909	0.008	88	461928	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	171437	45.3	
* 123 1,4-Dichlorobenzene-d4	152	10.441	10.434	0.007	97	244504	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

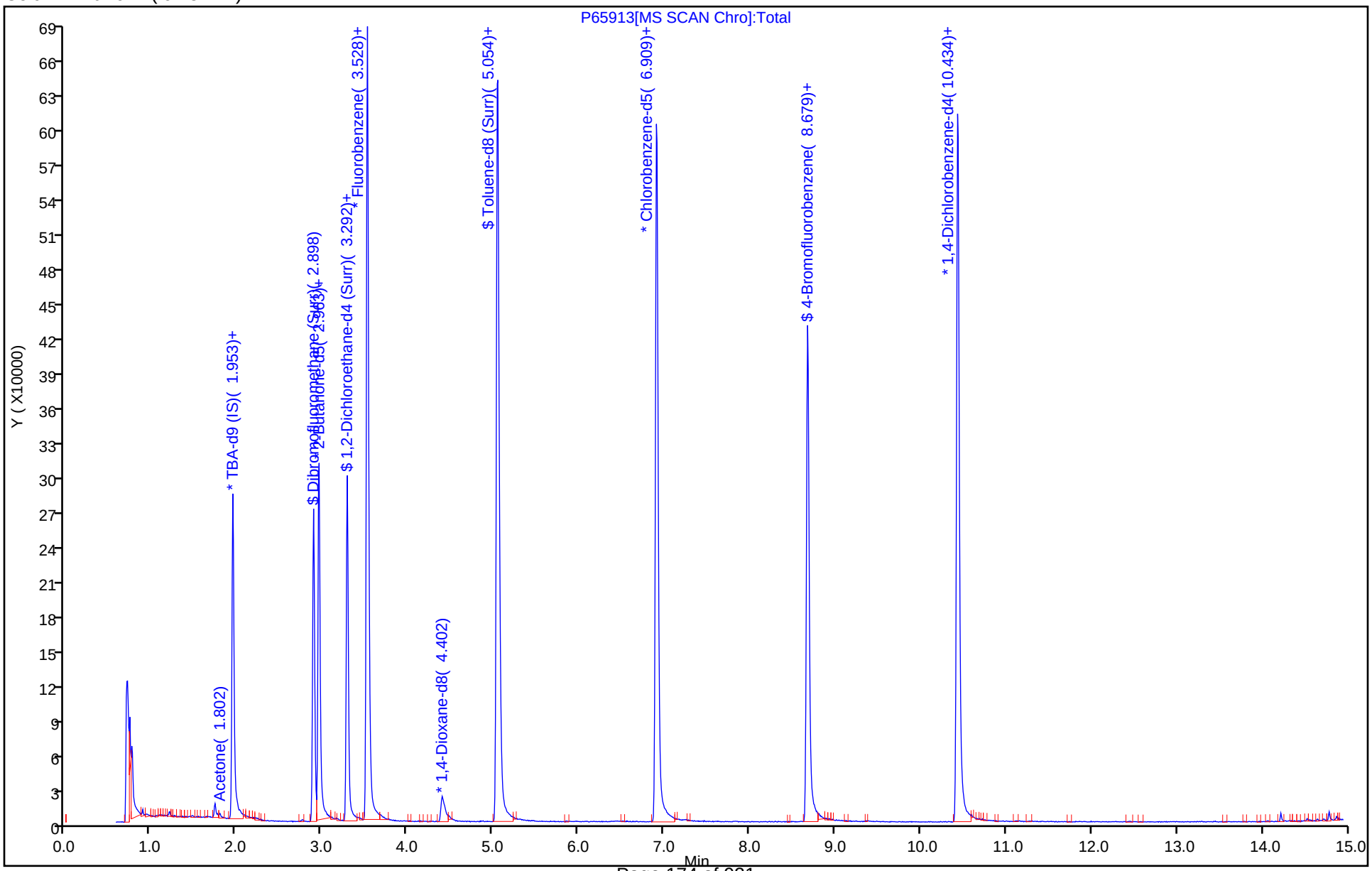
Report Date: 17-Sep-2019 06:51:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65913.D

Injection Date:	16-Sep-2019 16:39:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-9	Lab Sample ID:	460-191351-9	Worklist Smp#:	24
Client ID:	MW-38D 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



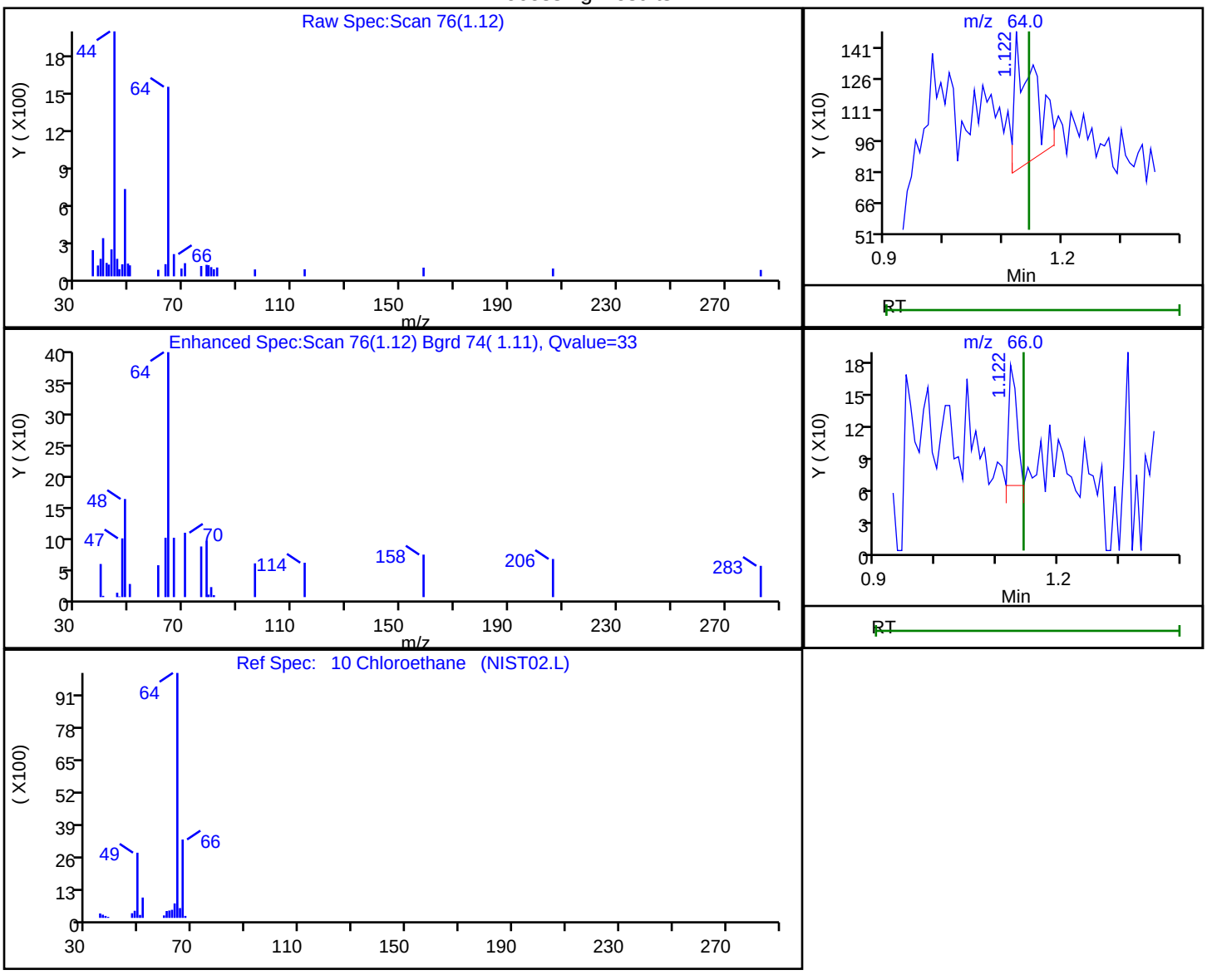
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65913.D				
Injection Date:	16-Sep-2019 16:39:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-9	Lab Sample ID:	460-191351-9		
Client ID:	MW-38D 091119				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.12	64.00	1502	0.723740
1.12	66.00	102	

Reviewer: desais, 17-Sep-2019 06:50:02

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

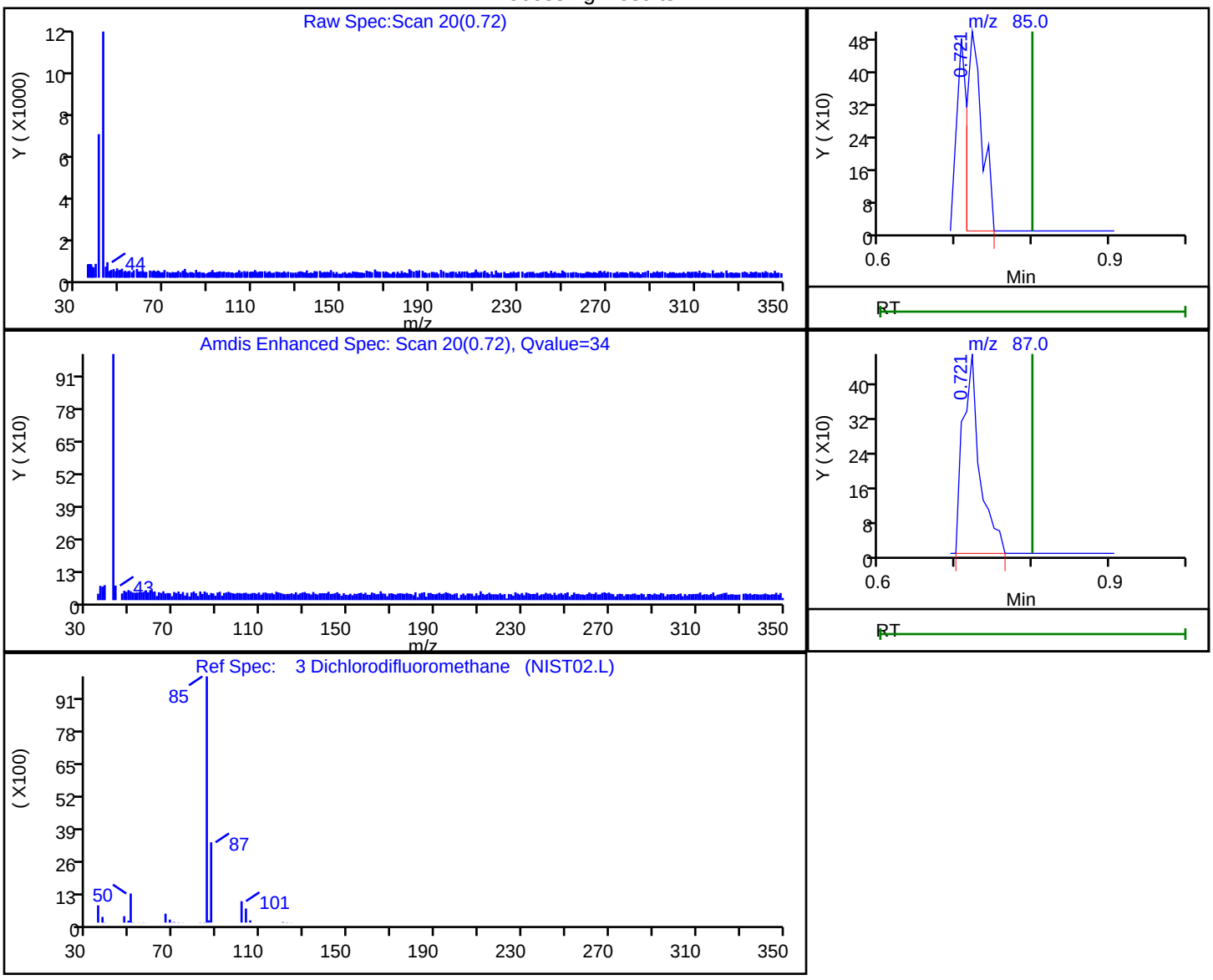
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65913.D		
Injection Date:	16-Sep-2019 16:39:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-9	Lab Sample ID:	460-191351-9
Client ID:	MW-38D 091119		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.72	85.00	672	0.190010
0.72	87.00	705	

Reviewer: desais, 17-Sep-2019 06:50:01

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-38I 091119 Lab Sample ID: 460-191351-10

Matrix: Water Lab File ID: P65914.D

Analysis Method: 8260C Date Collected: 09/11/2019 13:05

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 17:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-38I 091119 Lab Sample ID: 460-191351-10

Matrix: Water Lab File ID: P65914.D

Analysis Method: 8260C Date Collected: 09/11/2019 13:05

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 17:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	94		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65914.D
Lims ID: 460-191351-B-10
Client ID: MW-38I 091119
Sample Type: Client
Inject. Date: 16-Sep-2019 17:04:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-10
Misc. Info.: 460-0097638-025
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 06:51:37 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0309

First Level Reviewer: desais Date: 17-Sep-2019 06:50:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	84	2654	2.93	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	279041	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	144789	50.7	
* 53 2-Butanone-d5	46	2.963	2.955	0.008	0	354285	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	188741	50.9	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	631145	50.0	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.001	0	26691	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.047	0.000	99	585501	48.0	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	457904	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	175990	46.9	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	243740	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

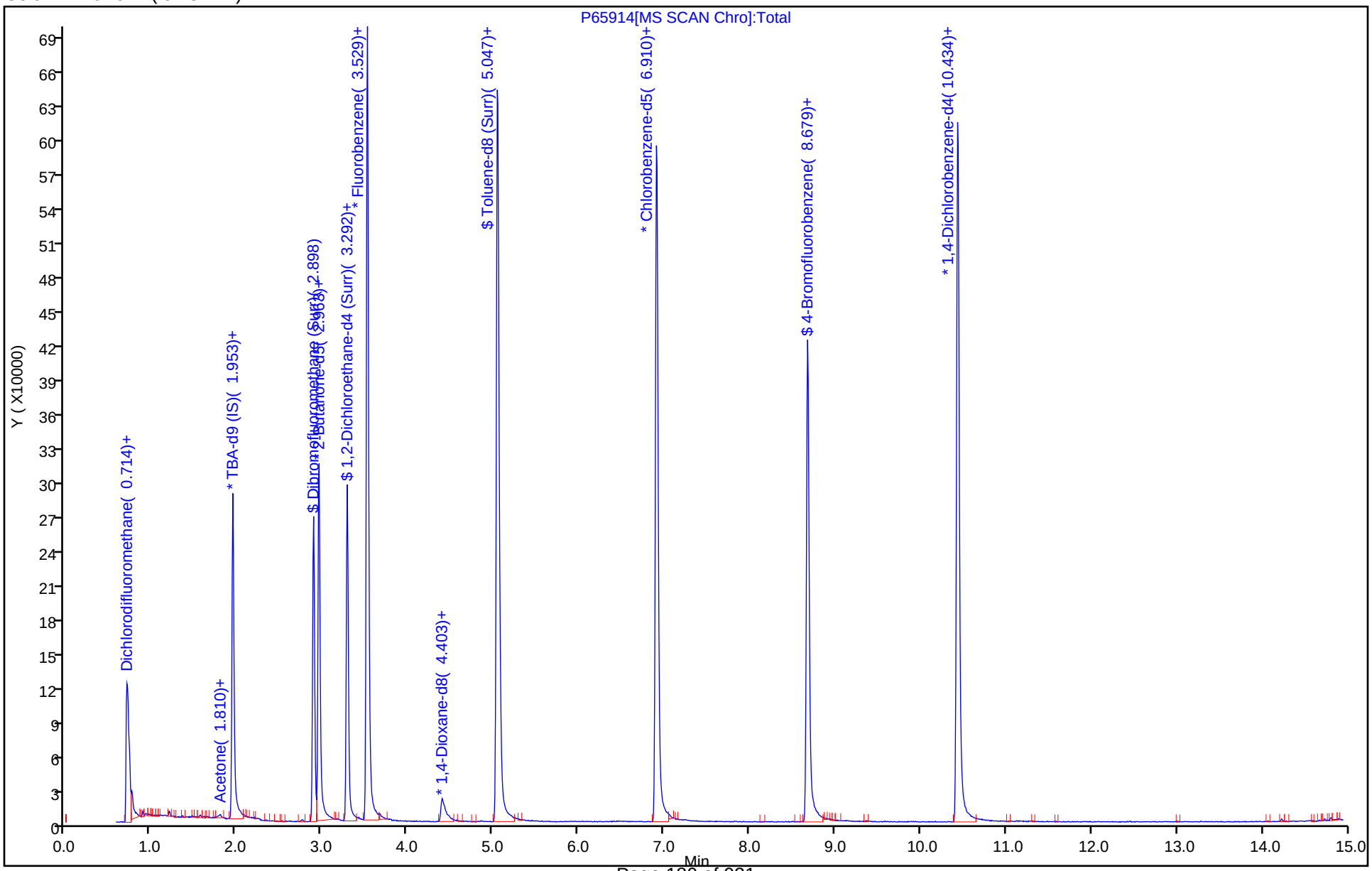
Report Date: 17-Sep-2019 06:51:59 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65914.D

Injection Date:	16-Sep-2019 17:04:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-10	Lab Sample ID:	460-191351-10	Worklist Smp#:	25
Client ID:	MW-38I 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



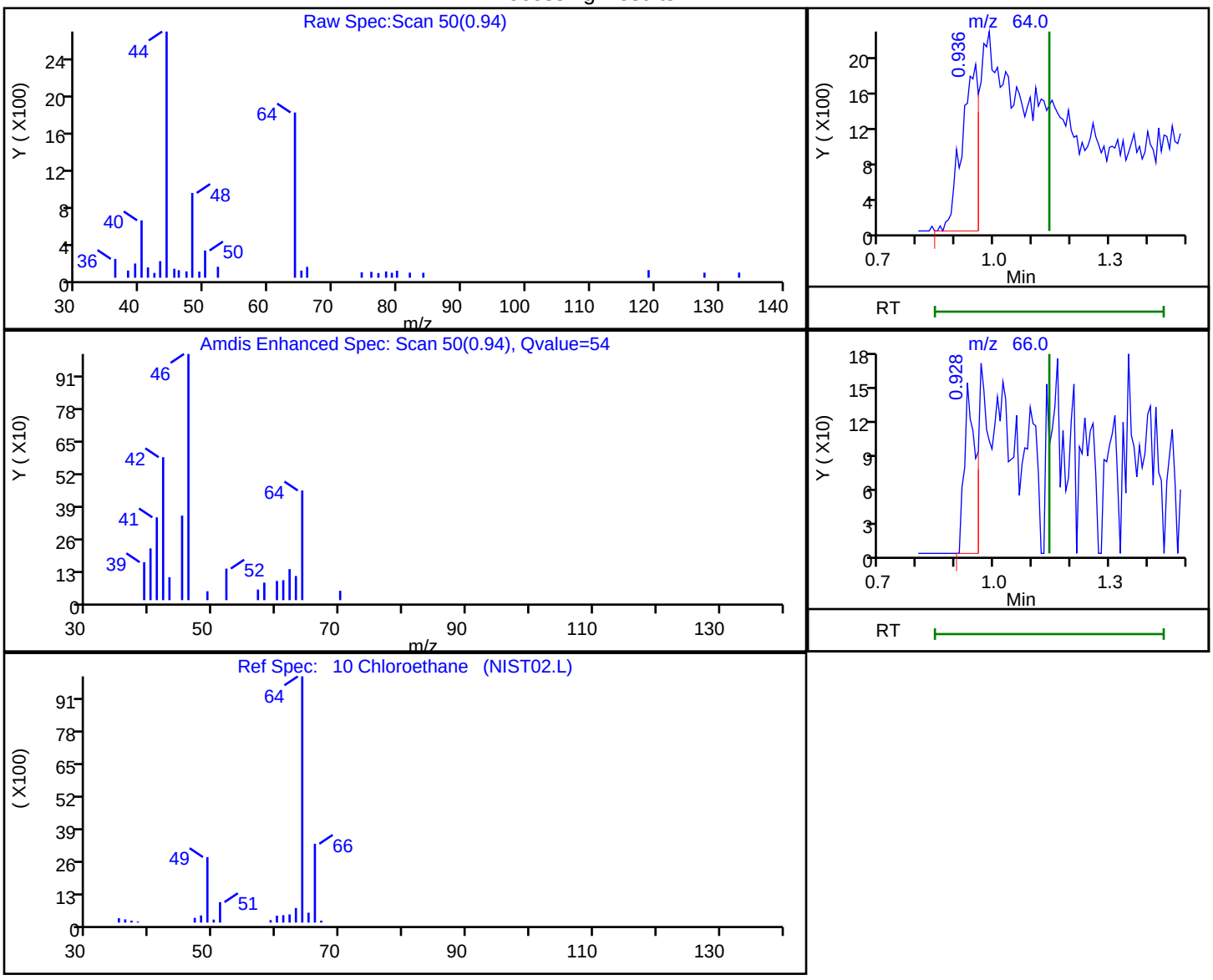
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65914.D		
Injection Date:	16-Sep-2019 17:04:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-10	Lab Sample ID:	460-191351-10
Client ID:	MW-38I 091119		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
0.94	64.00	5731	2.794417
0.93	66.00	288	

Reviewer: desais, 17-Sep-2019 06:50:16

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-36I 091119 Lab Sample ID: 460-191351-11

Matrix: Water Lab File ID: P65915.D

Analysis Method: 8260C Date Collected: 09/11/2019 14:35

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 17:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-36I 091119 Lab Sample ID: 460-191351-11

Matrix: Water Lab File ID: P65915.D

Analysis Method: 8260C Date Collected: 09/11/2019 14:35

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 17:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	4-Bromofluorobenzene	88		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65915.D
Lims ID: 460-191351-B-11
Client ID: MW-36I 091119
Sample Type: Client
Inject. Date: 16-Sep-2019 17:29:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-11
Misc. Info.: 460-0097638-026
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 06:51:37 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0309

First Level Reviewer: desais Date: 17-Sep-2019 06:50:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	85	2281	2.56	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	274373	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	146169	51.1	
* 53 2-Butanone-d5	46	2.963	2.955	0.008	0	349192	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	189513	51.0	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	632196	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	26476	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.054	5.047	0.007	99	592207	47.9	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	88	464576	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	168051	44.1	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	243339	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

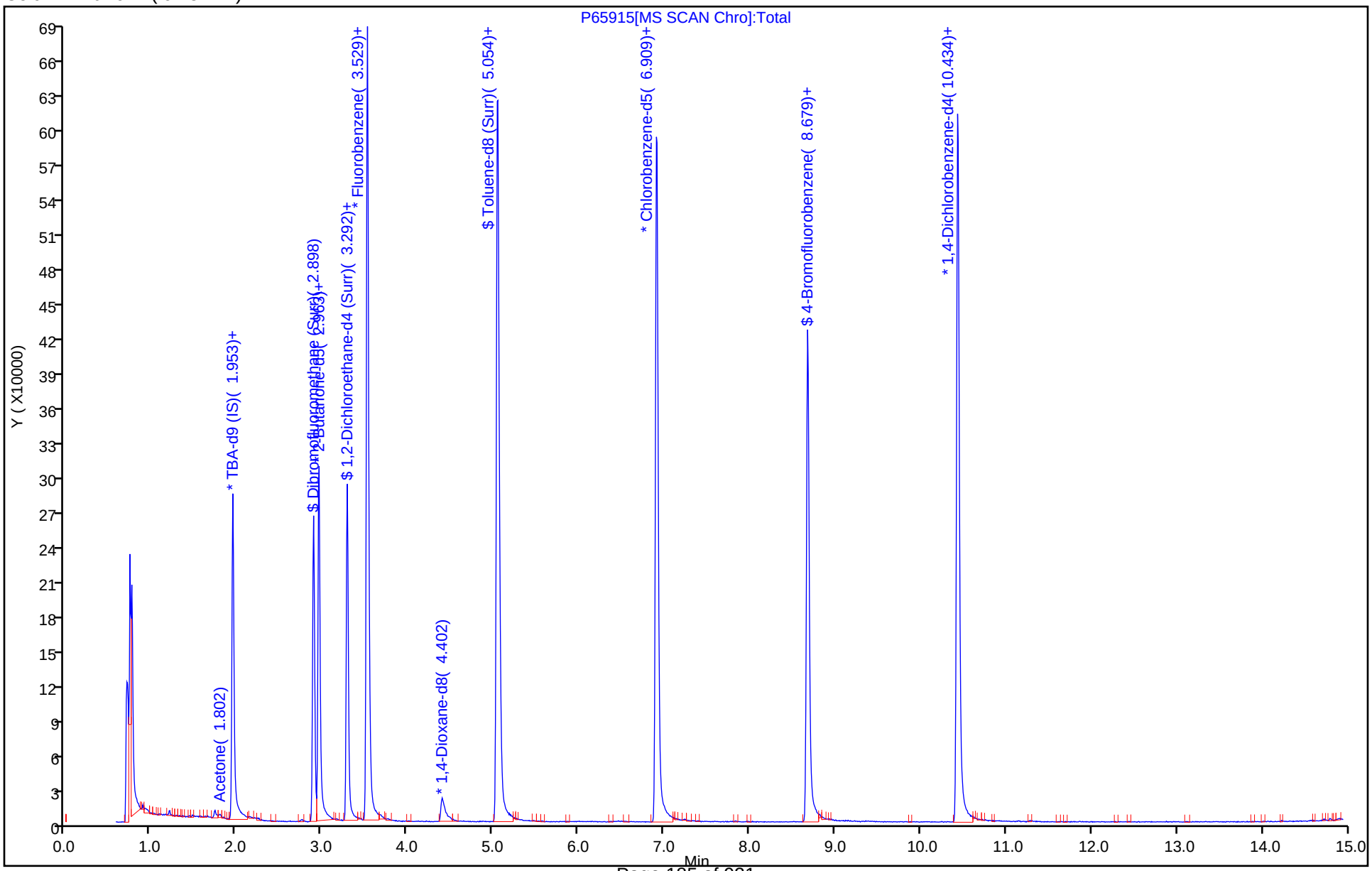
Report Date: 17-Sep-2019 06:52:00 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65915.D

Injection Date:	16-Sep-2019 17:29:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-11	Lab Sample ID:	460-191351-11	Worklist Smp#:	26
Client ID:	MW-36I 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



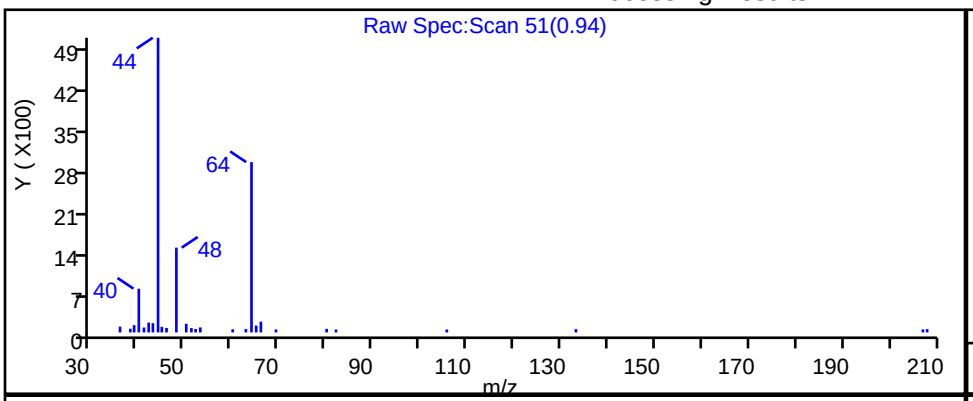
User Disabled Compound Report

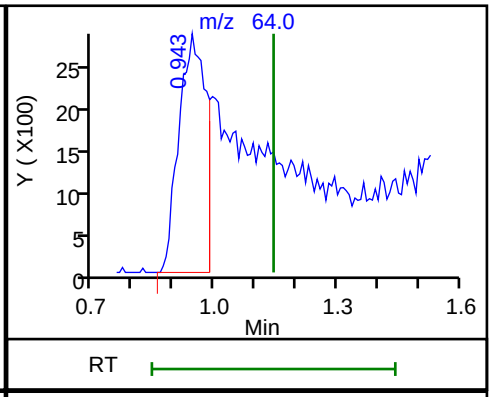
Eurofins TestAmerica, Edison

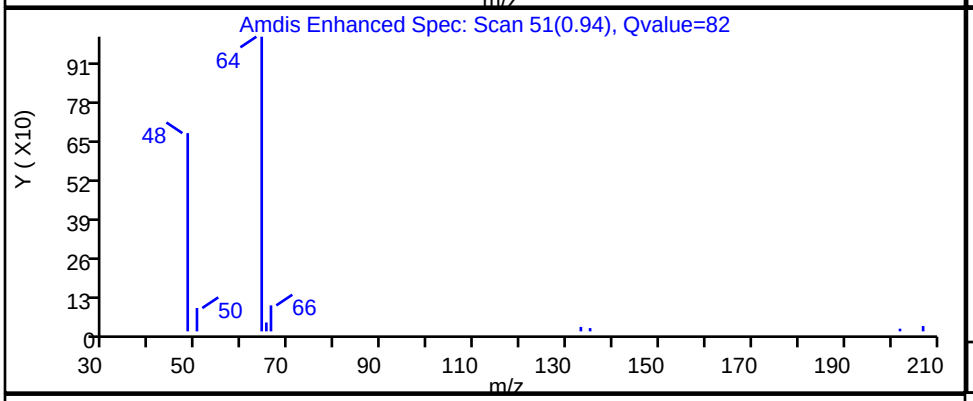
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65915.D		
Injection Date:	16-Sep-2019 17:29:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-11	Lab Sample ID:	460-191351-11
Client ID:	MW-36I 091119		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

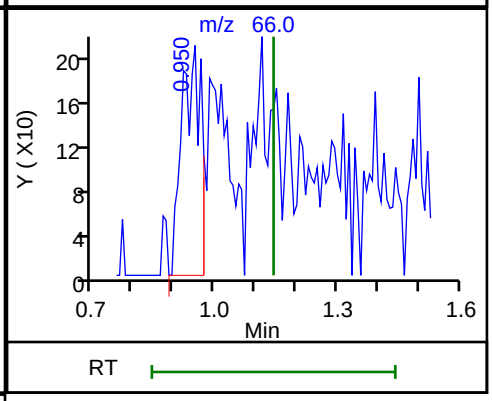
10 Chloroethane, CAS: 75-00-3

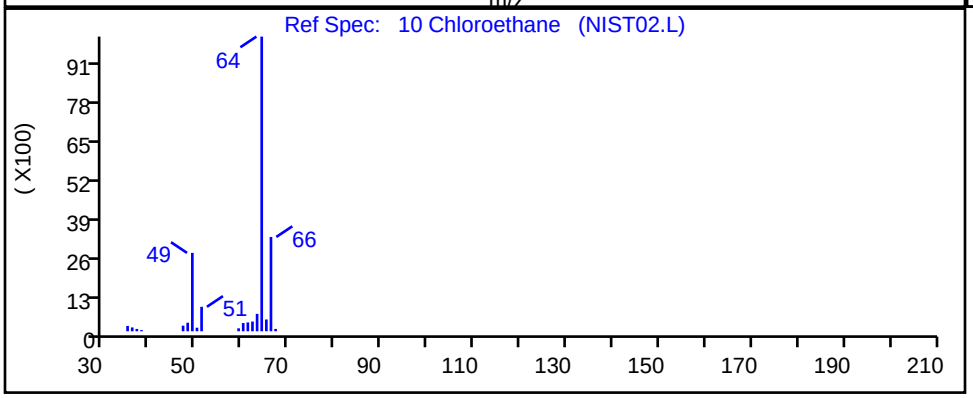
Processing Results











RT	Mass	Response	Amount
0.94	64.00	13331	6.519757
0.95	66.00	677	

Reviewer: desais, 17-Sep-2019 06:50:38

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

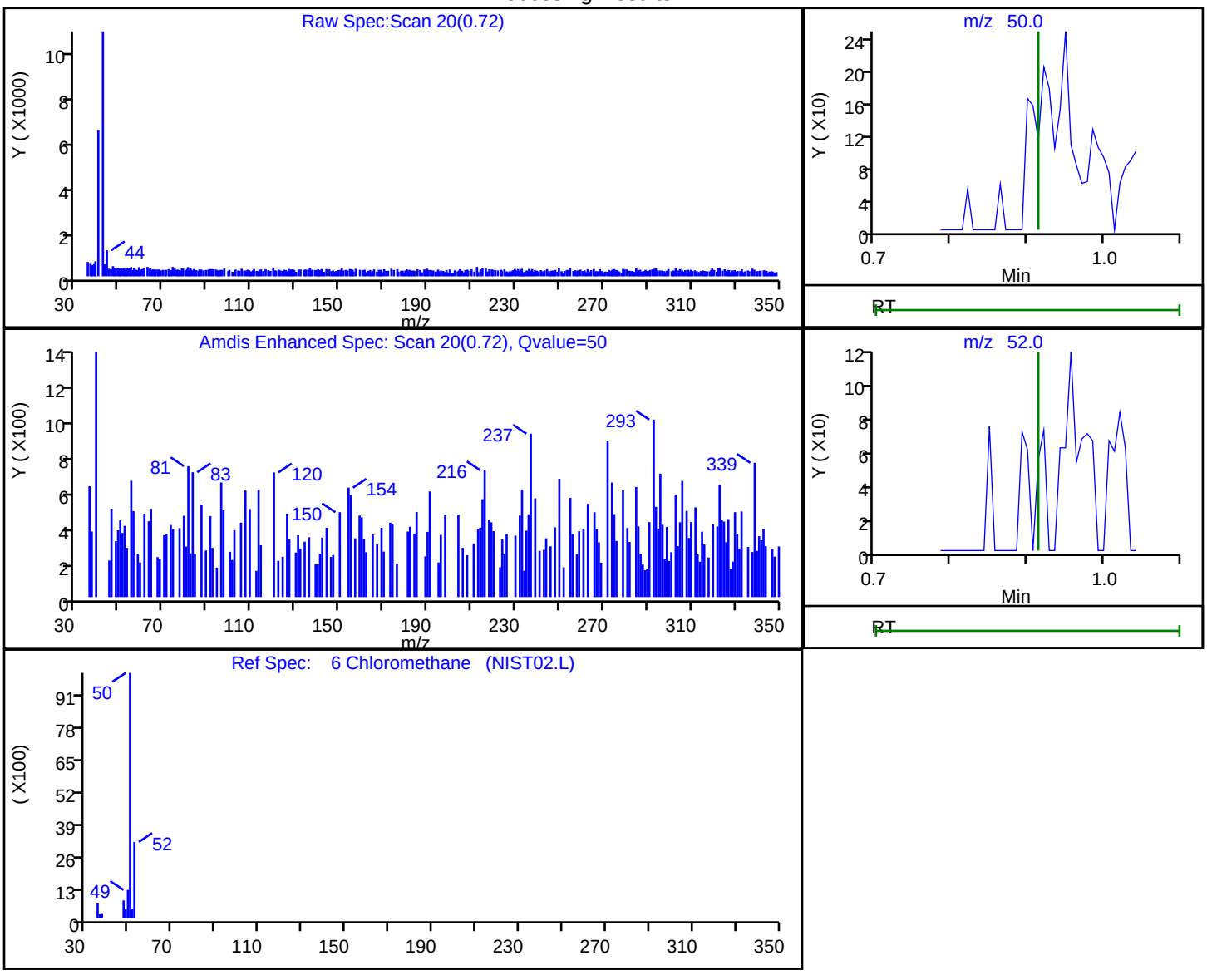
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65915.D		
Injection Date:	16-Sep-2019 17:29:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-11	Lab Sample ID:	460-191351-11
Client ID:	MW-36I 091119		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
0.72	50.00	776	0.222239
0.71	52.00	1199	

Reviewer: desais, 17-Sep-2019 06:50:35

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

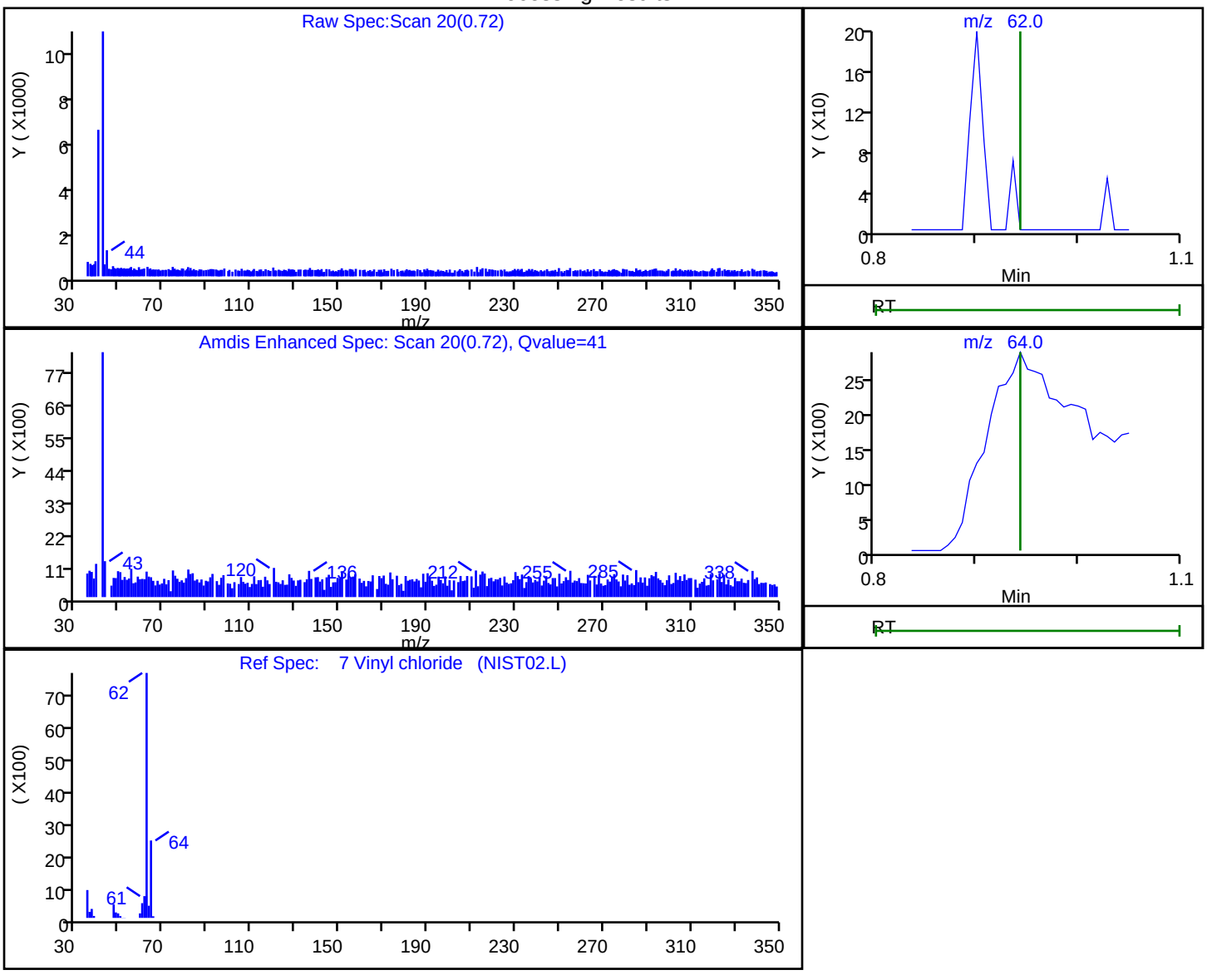
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65915.D		
Injection Date:	16-Sep-2019 17:29:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-11	Lab Sample ID:	460-191351-11
Client ID:	MW-36I 091119		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
0.72	62.00	587	0.148737
0.72	64.00	940	

Reviewer: desais, 17-Sep-2019 06:50:36

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-36D 091119 Lab Sample ID: 460-191351-12

Matrix: Water Lab File ID: P65935.D

Analysis Method: 8260C Date Collected: 09/11/2019 14:20

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 15:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-36D 091119 Lab Sample ID: 460-191351-12

Matrix: Water Lab File ID: P65935.D

Analysis Method: 8260C Date Collected: 09/11/2019 14:20

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 15:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	92		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65935.D
Lims ID: 460-191351-B-12
Client ID: MW-36D 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 15:04:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-12
Misc. Info.: 460-0097690-018
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:14:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	82	1163	1.37	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	283733	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	144001	50.3	
* 53 2-Butanone-d5	46	2.956	2.956	0.000	0	332976	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	180249	48.5	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	632725	50.0	
* 76 1,4-Dioxane-d8	96	4.395	4.403	-0.008	0	24475	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	588538	47.6	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	464608	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	175048	46.0	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	245750	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

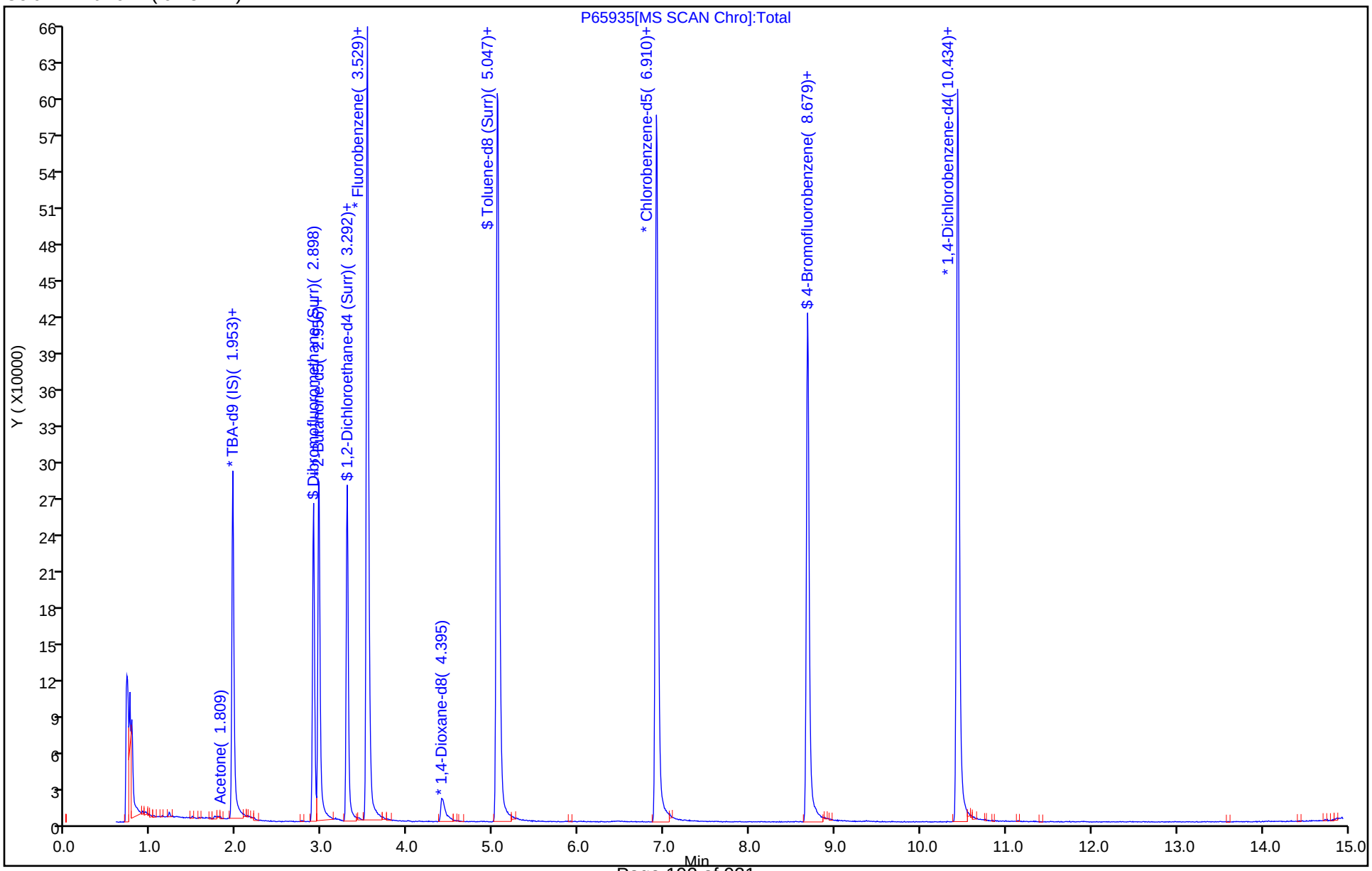
Report Date: 18-Sep-2019 05:39:05 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65935.D

Injection Date:	17-Sep-2019 15:04:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-12	Lab Sample ID:	460-191351-12	Worklist Smp#:	18
Client ID:	MW-36D 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



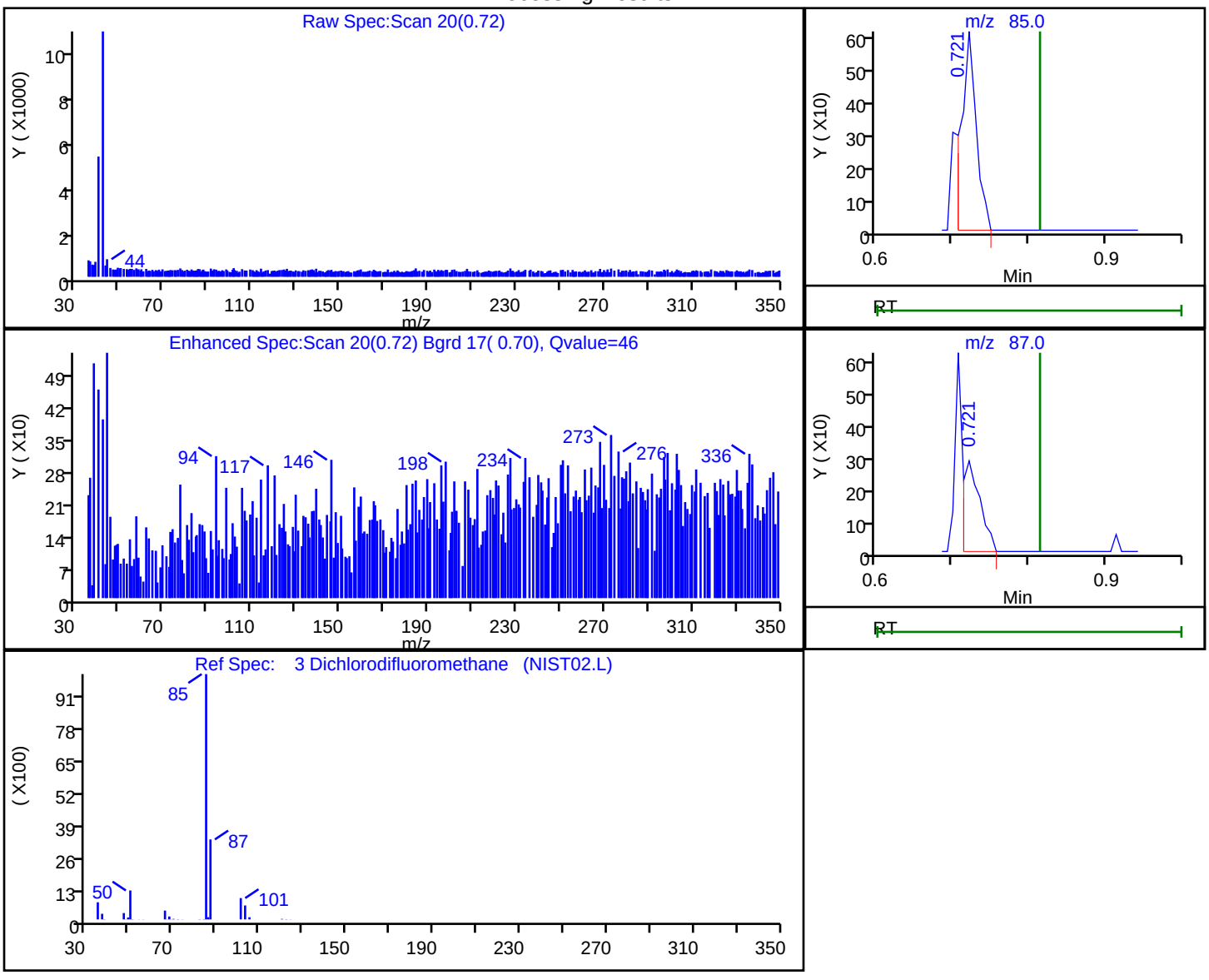
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65935.D		
Injection Date:	17-Sep-2019 15:04:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-12	Lab Sample ID:	460-191351-12
Client ID:	MW-36D 091119		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.72	85.00	824	0.234570
0.72	87.00	440	

Reviewer: sarmientod, 17-Sep-2019 20:14:40

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

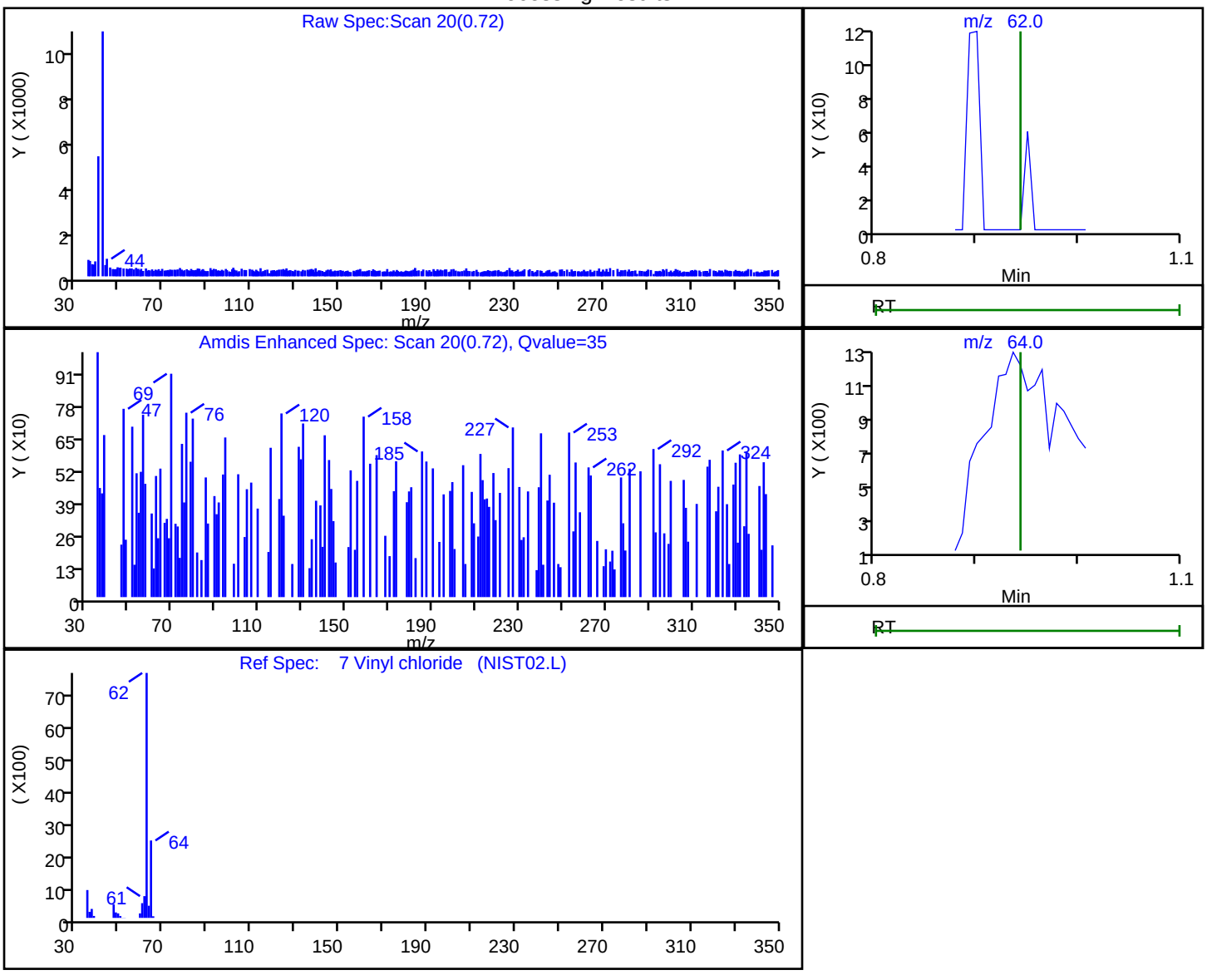
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65935.D		
Injection Date:	17-Sep-2019 15:04:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-12	Lab Sample ID:	460-191351-12
Client ID:	MW-36D 091119		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
0.72	62.00	593	0.150132
0.71	64.00	972	

Reviewer: sarmientod, 17-Sep-2019 20:14:42

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17 091119 Lab Sample ID: 460-191351-13

Matrix: Water Lab File ID: P65936.D

Analysis Method: 8260C Date Collected: 09/11/2019 15:40

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 15:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	1.0		1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17 091119 Lab Sample ID: 460-191351-13

Matrix: Water Lab File ID: P65936.D

Analysis Method: 8260C Date Collected: 09/11/2019 15:40

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 15:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	93		77-124
1868-53-7	Dibromofluoromethane (Surr)	103		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65936.D
Lims ID: 460-191351-B-13
Client ID: MW-17 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 15:29:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-B-13
Misc. Info.: 460-0097690-019
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:15:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	85	2262	2.61	
32 Methyl tert-butyl ether	73	1.924	1.931	-0.007	96	3357	0.4189	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	284646	1000.0	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	98	5665	1.01	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	145199	51.4	
* 53 2-Butanone-d5	46	2.956	2.956	0.000	0	339813	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	179869	49.0	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	623935	50.0	
* 76 1,4-Dioxane-d8	96	4.410	4.403	0.007	0	25368	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	583945	47.4	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	463315	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	176927	46.6	
* 123 1,4-Dichlorobenzene-d4	152	10.441	10.434	0.007	96	244886	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

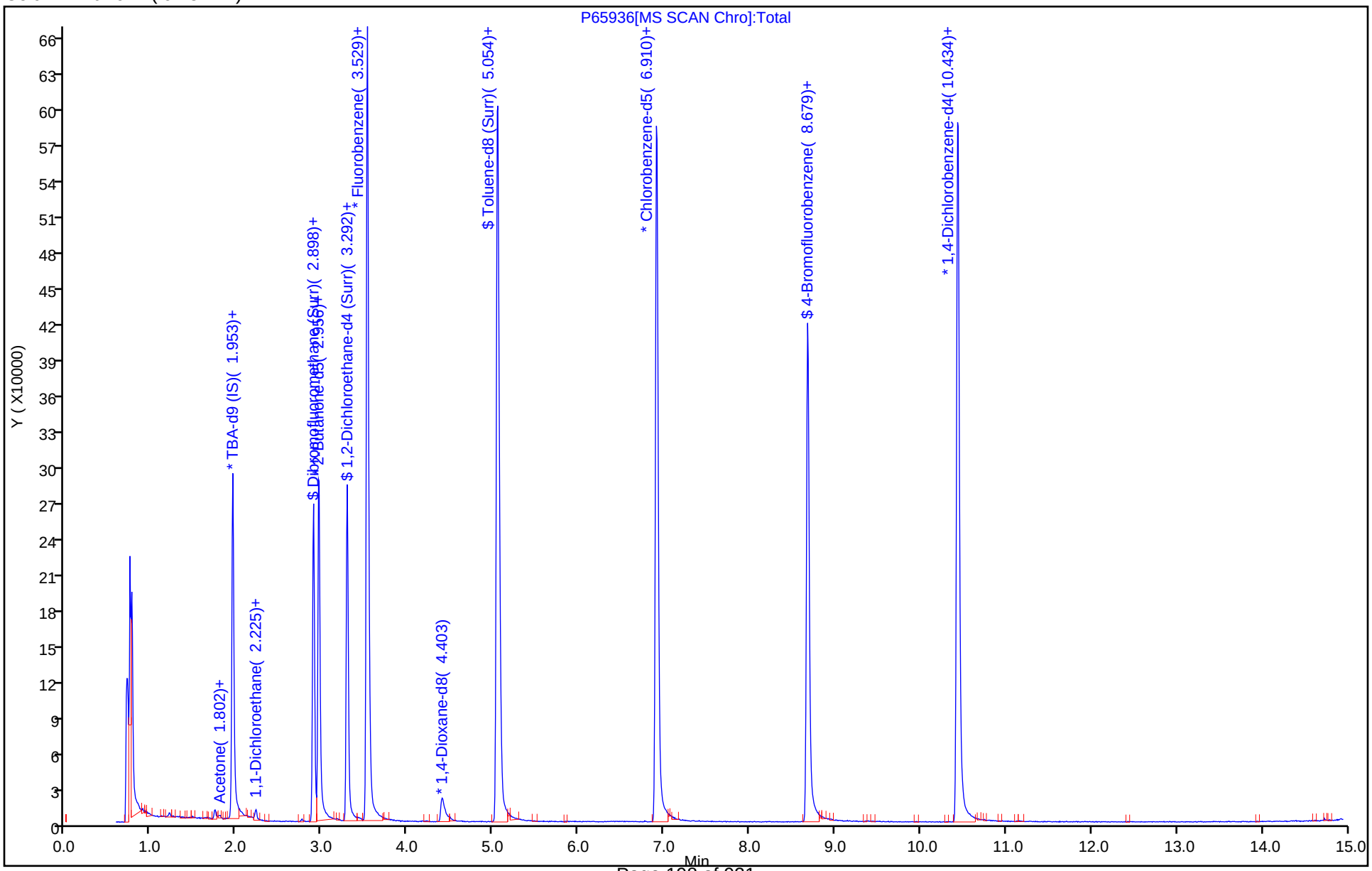
Report Date: 18-Sep-2019 05:39:36 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65936.D

Injection Date:	17-Sep-2019 15:29:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-B-13	Lab Sample ID:	460-191351-13	Worklist Smp#:	19
Client ID:	MW-17 091119				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



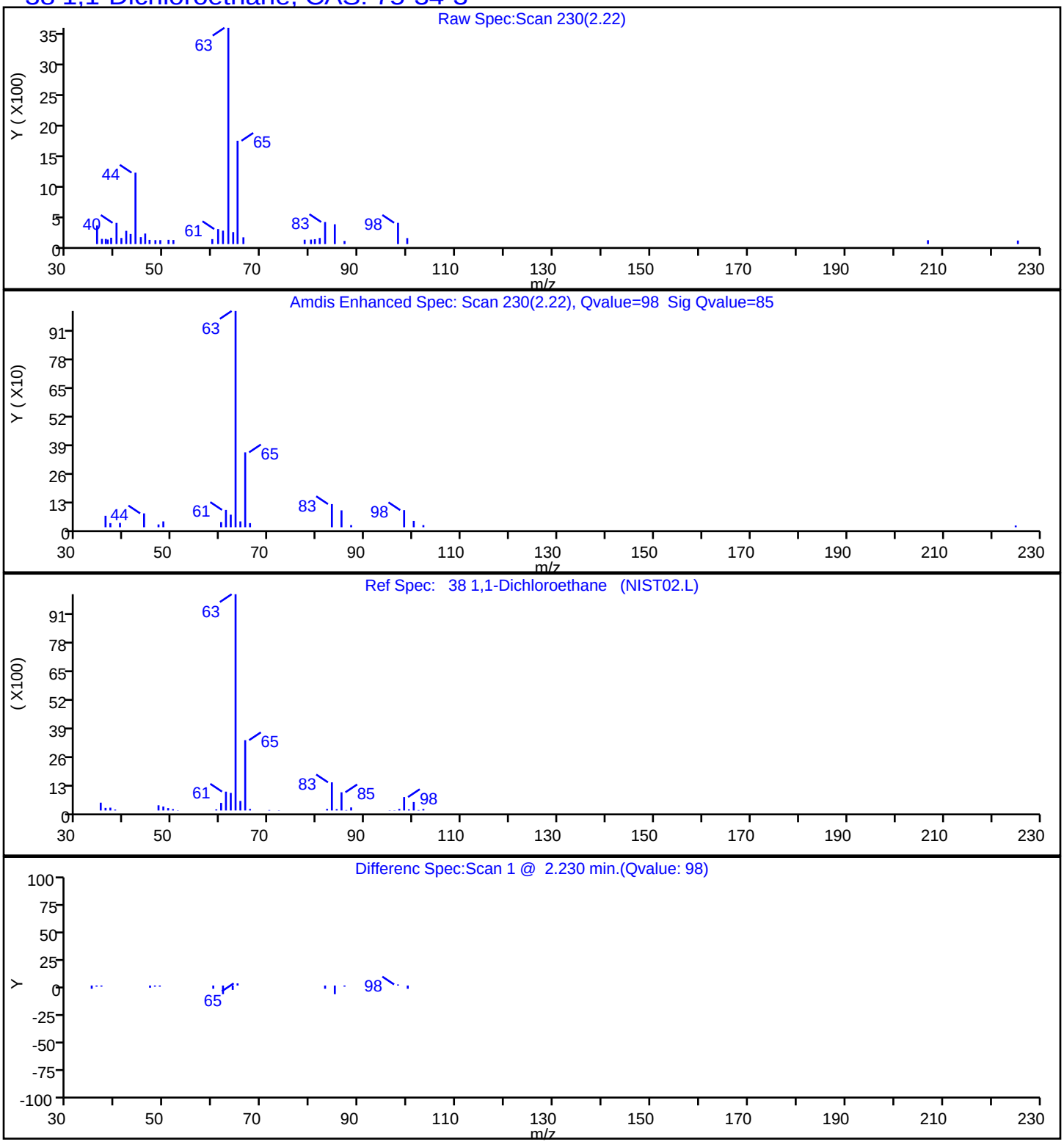
Report Date: 18-Sep-2019 05:39:36 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65936.D

Injection Date:	17-Sep-2019 15:29:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-B-13	Lab Sample ID:	460-191351-13		
Client ID:	MW-17 091119				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

38 1,1-Dichloroethane, CAS: 75-34-3



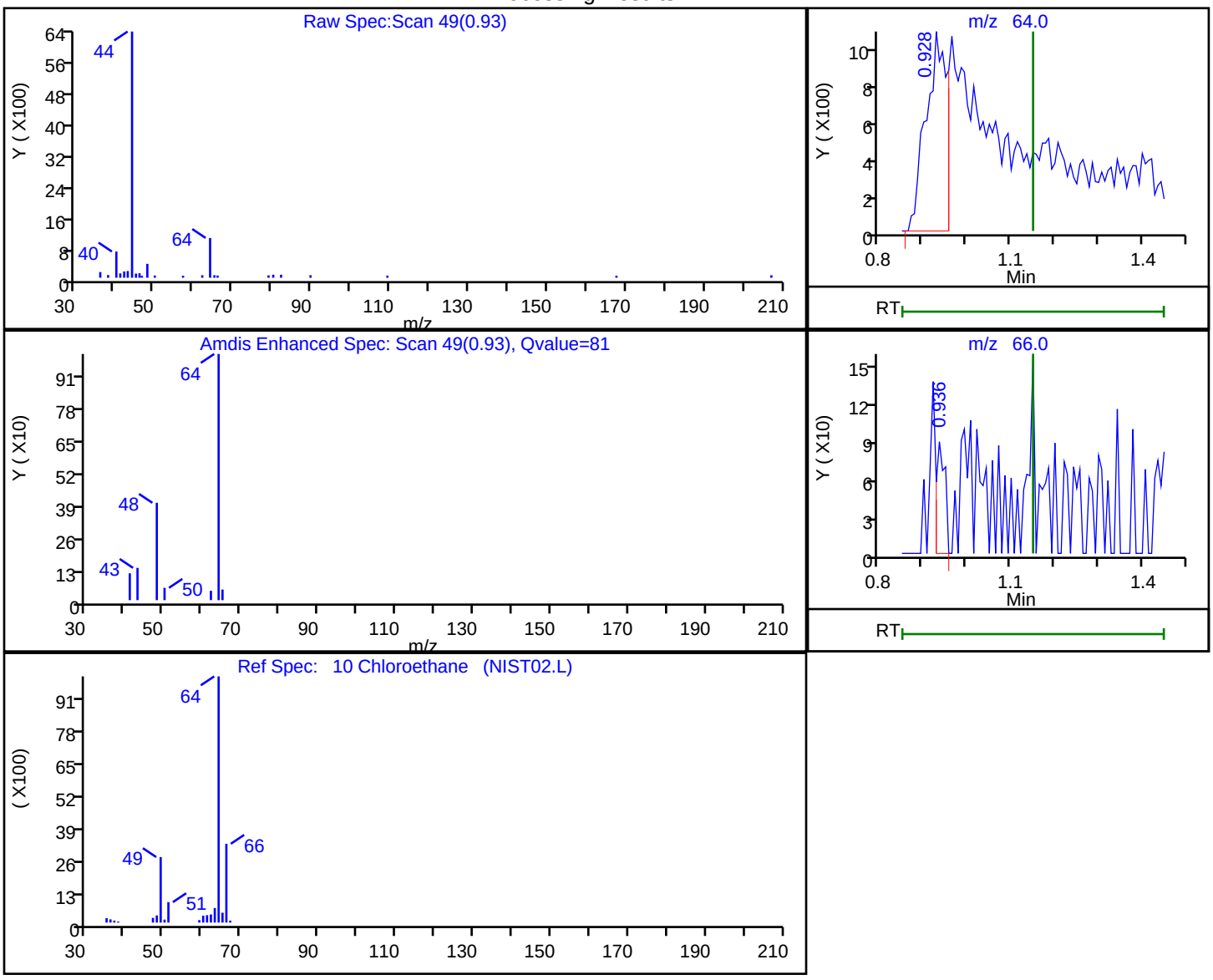
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65936.D		
Injection Date:	17-Sep-2019 15:29:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-13	Lab Sample ID:	460-191351-13
Client ID:	MW-17 091119		
Operator ID:		ALS Bottle#:	18 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
0.93	64.00	3416	1.682536
0.94	66.00	121	

Reviewer: sarmientod, 17-Sep-2019 20:14:58

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

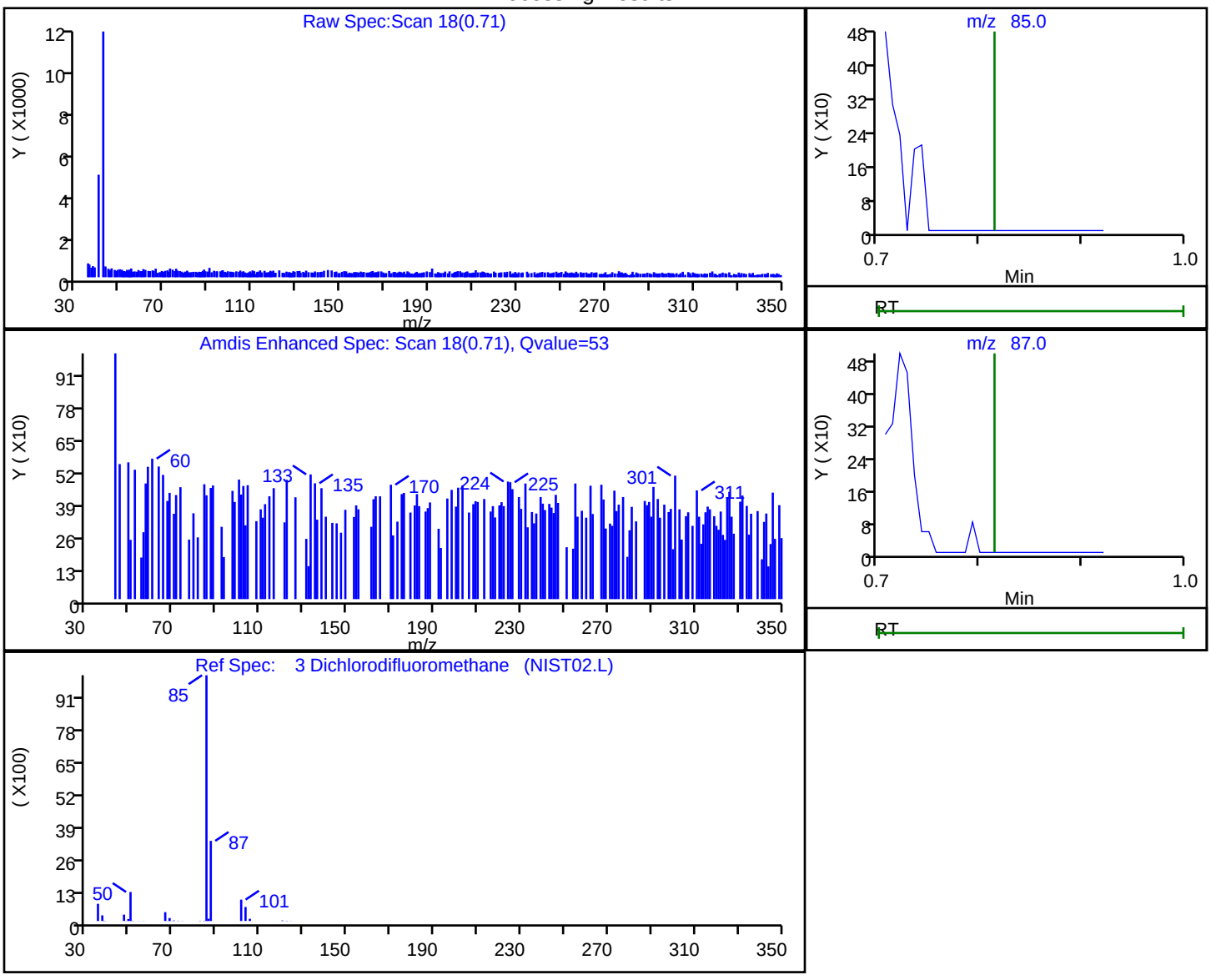
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65936.D		
Injection Date:	17-Sep-2019 15:29:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-B-13	Lab Sample ID:	460-191351-13
Client ID:	MW-17 091119		
Operator ID:		ALS Bottle#:	18 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.71	85.00	500	0.144341
0.72	87.00	909	

Reviewer: sarmientod, 17-Sep-2019 20:14:56

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: TB Lab Sample ID: 460-191351-14

Matrix: Water Lab File ID: P65926.D

Analysis Method: 8260C Date Collected: 09/11/2019 15:40

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 11:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: TB Lab Sample ID: 460-191351-14

Matrix: Water Lab File ID: P65926.D

Analysis Method: 8260C Date Collected: 09/11/2019 15:40

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 11:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	4-Bromofluorobenzene	90		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65926.D
Lims ID: 460-191351-A-14
Client ID: TB
Sample Type: Client
Inject. Date: 17-Sep-2019 11:16:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-A-14
Misc. Info.: 460-0097690-009
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:29:28 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: desais Date: 17-Sep-2019 11:40:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
28 Acetone	43	1.802	1.802	0.000	86	1909	2.19	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	289808	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	146765	48.8	
* 53 2-Butanone-d5	46	2.955	2.956	-0.001	0	341546	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	185904	47.6	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	665117	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	26522	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	612074	47.1	
* 96 Chlorobenzene-d5	117	6.909	6.910	-0.001	88	488021	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	179810	44.9	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	251208	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

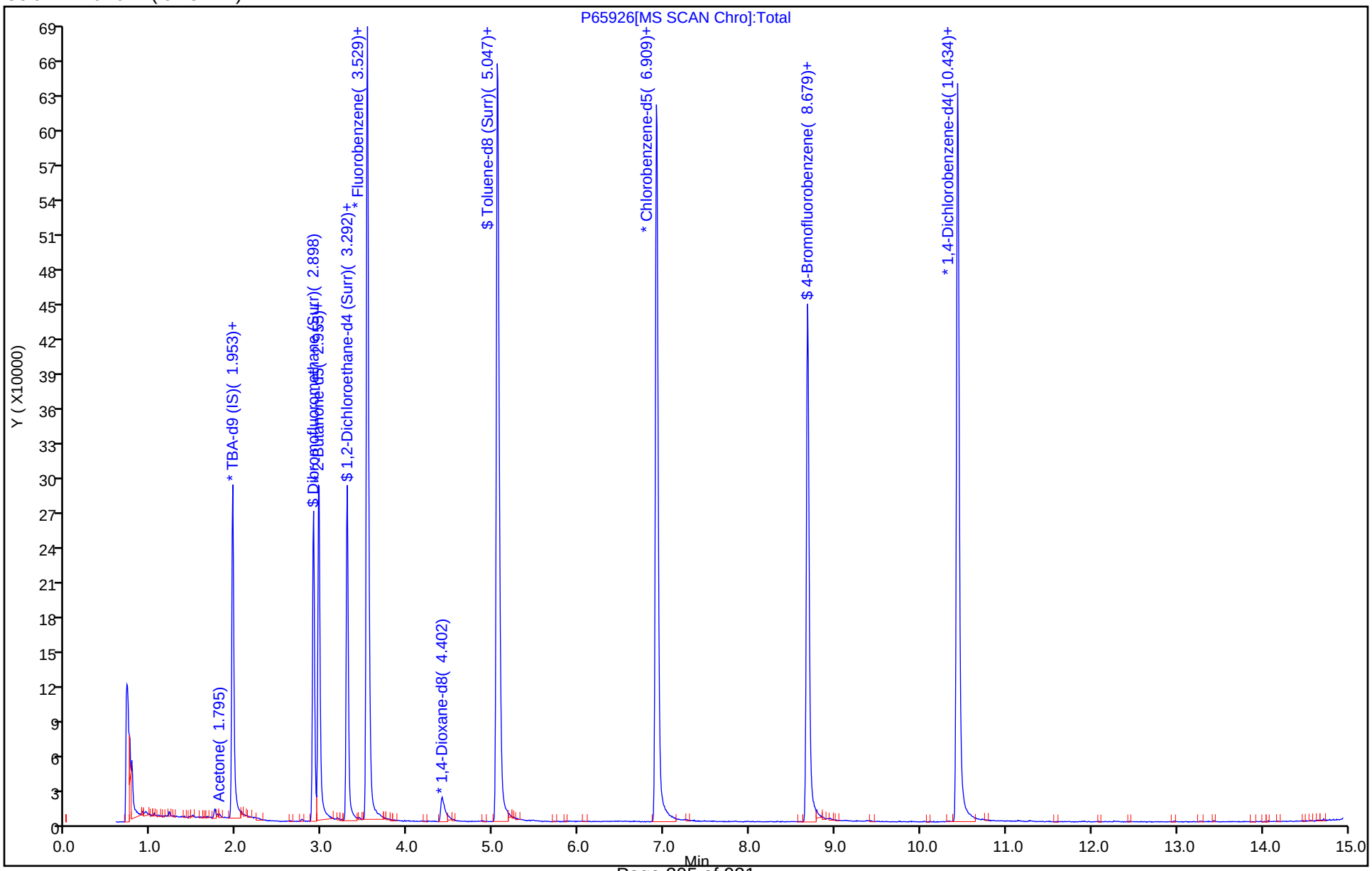
Report Date: 18-Sep-2019 05:33:53 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65926.D

Injection Date:	17-Sep-2019 11:16:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-A-14	Lab Sample ID:	460-191351-14	Worklist Smp#:	9
Client ID:	TB				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



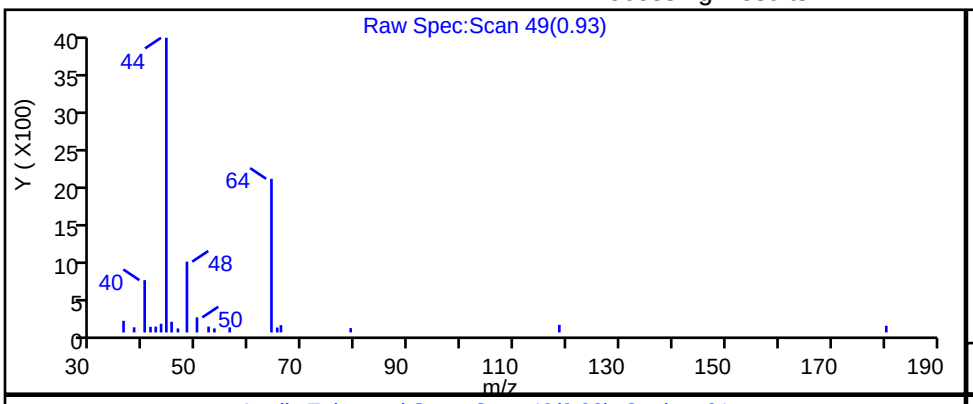
User Disabled Compound Report

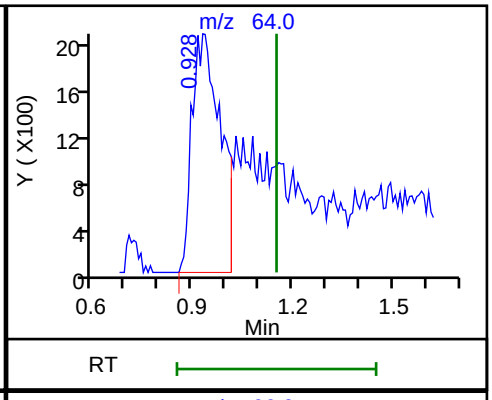
Eurofins TestAmerica, Edison

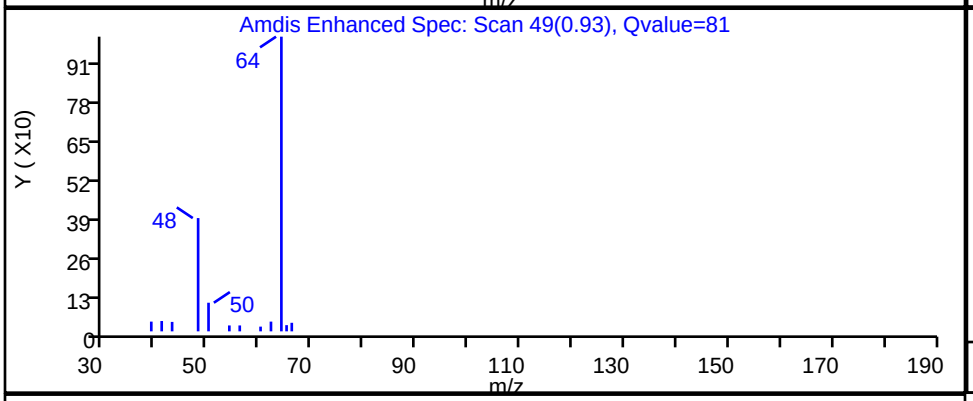
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65926.D		
Injection Date:	17-Sep-2019 11:16:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-A-14	Lab Sample ID:	460-191351-14
Client ID:	TB		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

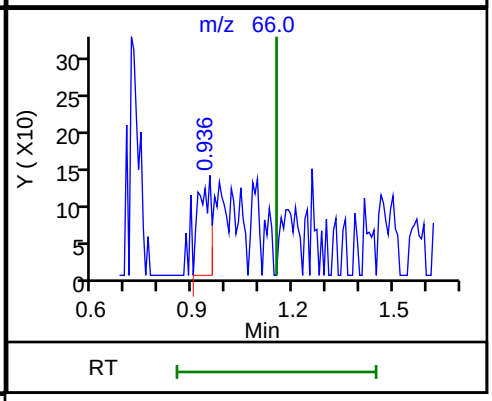
10 Chloroethane, CAS: 75-00-3

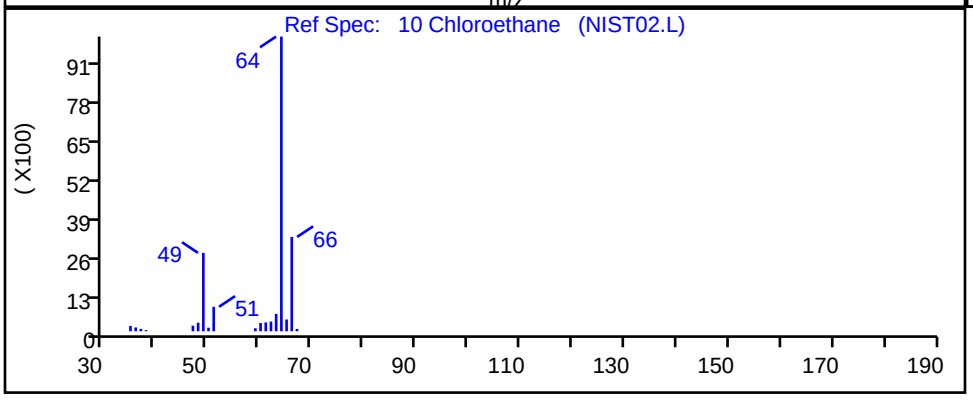
Processing Results











RT	Mass	Response	Amount
0.93	64.00	12098	5.617503
0.94	66.00	341	

Reviewer: desais, 17-Sep-2019 11:40:45

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

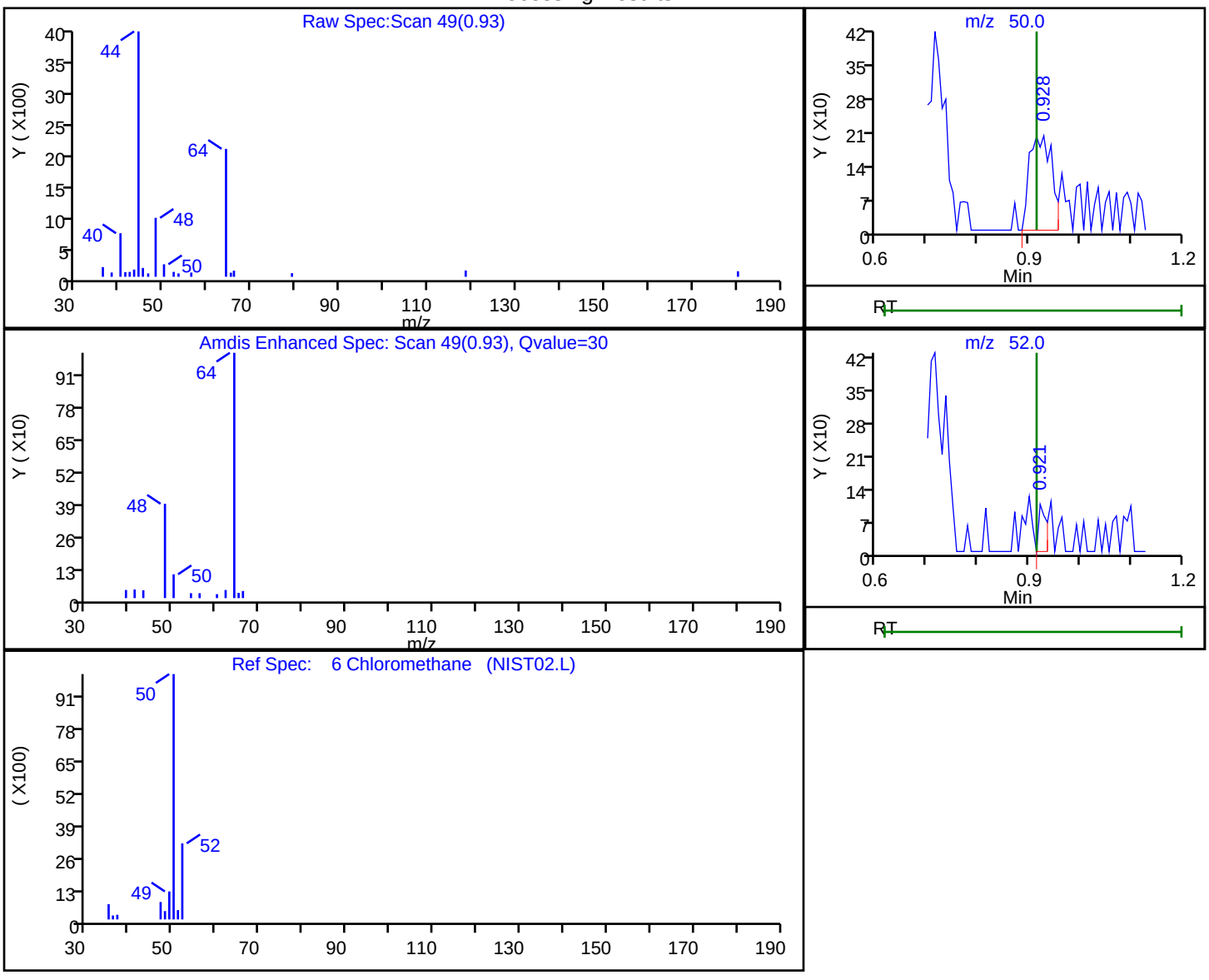
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65926.D		
Injection Date:	17-Sep-2019 11:16:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-A-14	Lab Sample ID:	460-191351-14
Client ID:	TB		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
0.93	50.00	610	0.166051
0.92	52.00	104	

Reviewer: desais, 17-Sep-2019 11:40:41

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

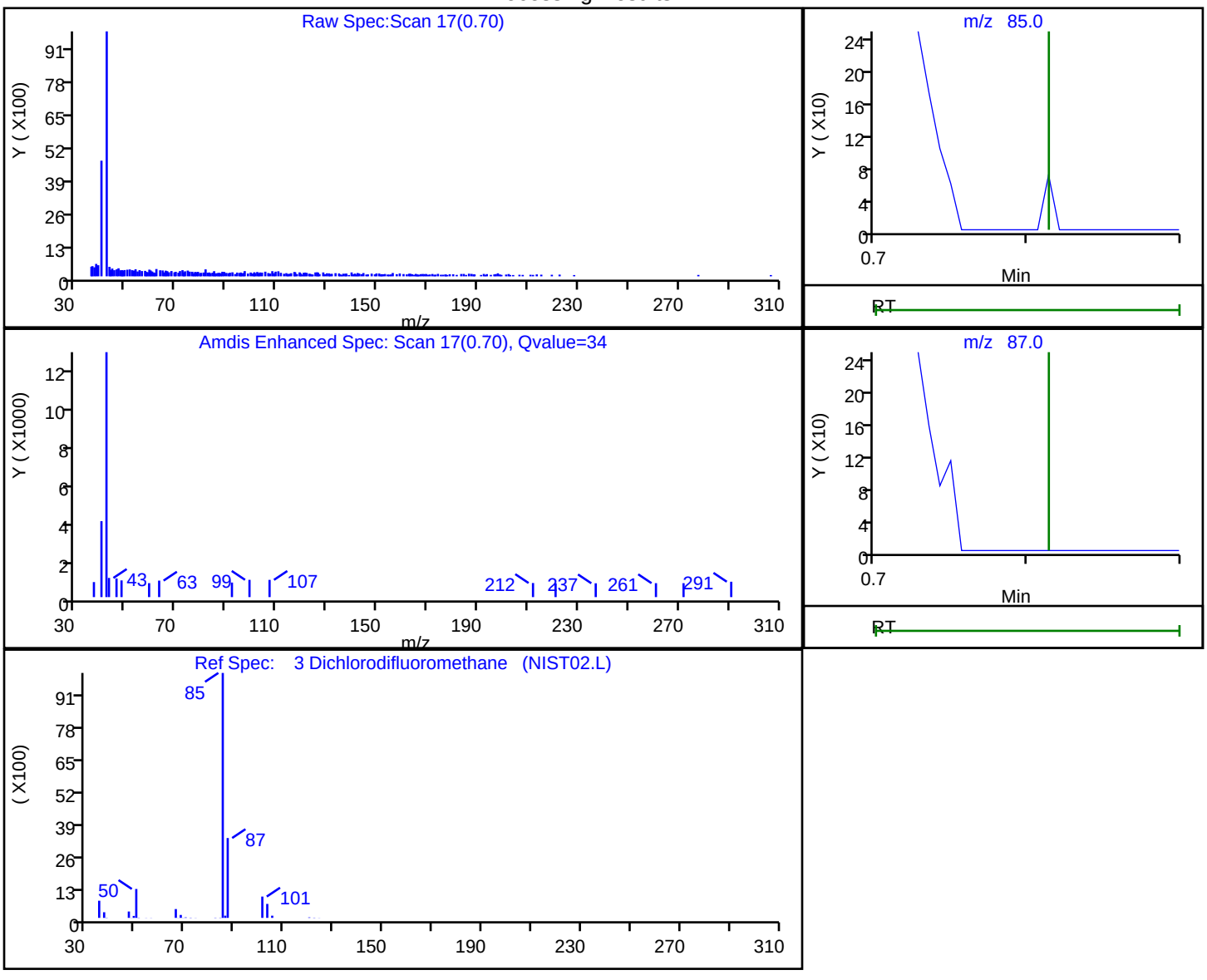
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65926.D				
Injection Date:	17-Sep-2019 11:16:30	Instrument ID:	CVOAMS13		
Lims ID:	460-191351-A-14	Lab Sample ID:	460-191351-14		
Client ID:	TB				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.70	85.00	480	0.129988
0.71	87.00	847	

Reviewer: desais, 17-Sep-2019 11:40:40

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

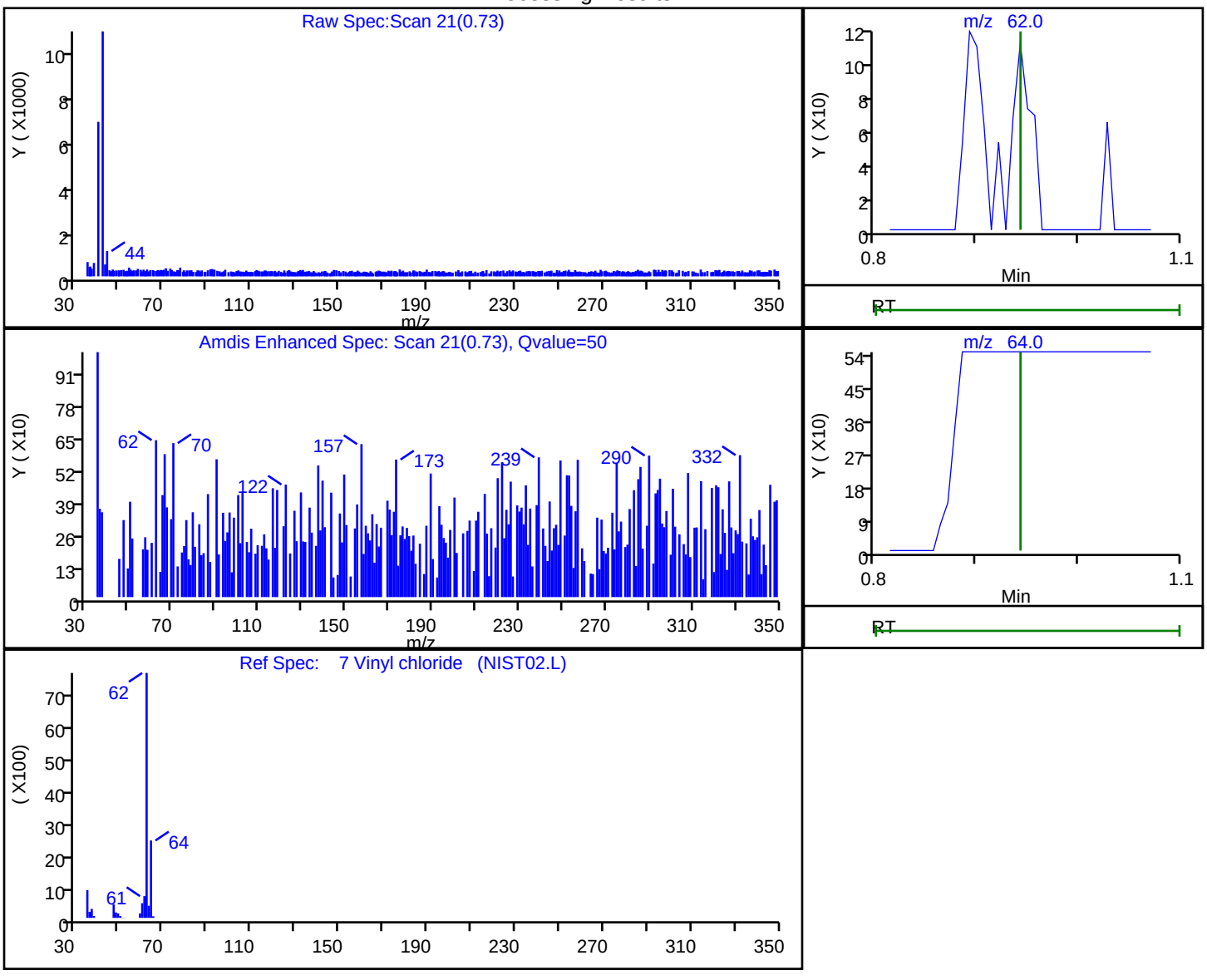
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65926.D		
Injection Date:	17-Sep-2019 11:16:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-A-14	Lab Sample ID:	460-191351-14
Client ID:	TB		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
0.73	62.00	688	0.165700
0.72	64.00	458	

Reviewer: desais, 17-Sep-2019 11:40:42

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-634356/2	P65040.D
Level 2	STD1 460-634356/4	P65042.D
Level 3	STD5 460-634356/14	P65052.D
Level 4	STD20 460-634356/6	P65044.D
Level 5	STD50 460-634356/7	P65045.D
Level 6	STD200 460-634356/8	P65046.D
Level 7	STD500 460-634356/9	P65047.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Monochloropentafluoroethane	+++++ 0.0054	0.0159 0.0072	0.0018	0.0016	0.0009	Ave		0.0055				.04.0	*	20.0			
Chlorotrifluoroethene	+++++ 0.0590	0.0404 +++++	0.0463	0.0439	0.0419	Ave		0.0463				16.0		20.0			
Dichlorodifluoromethane	+++++ 0.2540	0.3349 0.2715	0.2875	0.2834	0.2342	Ave		0.2776			0.1000	12.4		20.0			
1,1-Difluoroethane	+++++ 0.1395	0.1270 0.1387	0.1230	0.1201	0.1154	Ave		0.1273				7.8		20.0			
Chlorodifluoromethane	+++++ 0.0530	0.0595 0.0545	0.0508	0.0509	0.0489	Ave		0.0529				7.1		20.0			
Chloromethane	+++++ 0.2560	0.3021 0.2744	0.2909	0.2775	0.2562	Ave		0.2762			0.1000	6.7		20.0			
Butadiene	0.3827 0.2830	0.2980 0.3011	0.2906	0.2787	0.2772	Ave		0.3016				12.2		20.0			
Vinyl chloride	+++++ 0.3037	0.3335 0.2995	0.3199	0.3157	0.3004	Ave		0.3121			0.1000	4.3		20.0			
Bromomethane	+++++ 0.8914	1.1155 0.7367	1.1457	0.9360	0.7487	Ave		0.9290			0.1000	18.8		20.0			
Chloroethane	+++++ 0.1267	0.2115 0.0611	0.1828	0.1731	0.1036	QuaF		0.1630	-0.000203		0.1000				0.9920		0.9900
Pentane	+++++ 1.7304	2.6695 1.1486	2.3353	1.9374	1.6446	Qua2	1.5131	1.9560	-0.000797						0.9900		0.9900
Trichlorofluoromethane	+++++ 0.2861	0.3688 0.2380	0.3598	0.3428	0.2822	Ave		0.3129			0.1000	16.6		20.0			
Dichlorofluoromethane	+++++ 0.4126	0.5015 0.3617	0.4667	0.4504	0.4132	Ave		0.4343				11.3		20.0			
2-Methyl-1,3-butadiene	+++++ 0.3105	0.2981 0.2793	0.3124	0.3020	0.2965	Ave		0.2998				4.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl ether	+++++ 0.2026	0.1962 0.1842	0.2116	0.1926	0.1925	Ave		0.1966				4.8		20.0			
Ethanol	+++++ 0.0729	0.0861 0.0712	0.0714	0.0665	0.0688	Ave		0.0728				9.4		20.0			
1,1-Dichloroethene	+++++ 0.1724	0.1852 0.1667	0.1921	0.1801	0.1740	Ave		0.1784			0.1000	5.2		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.3168	0.3563 0.3032	0.3395	0.3368	0.3274	Ave		0.3300				5.6		20.0			
Carbon disulfide	+++++ 0.7173	0.7025 0.6770	0.7128	0.6371	0.6261	Ave		0.6788			0.1000	5.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1691	0.1895 0.1626	0.1919	0.1784	0.1736	Ave		0.1775			0.1000	6.5		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3065	0.3103 0.2876	0.3109	0.3221	0.3217	Ave		0.3099				4.1		20.0			
Iodomethane	+++++ 0.2558	0.0275 0.2318	0.0401	0.1209	0.1763	QuaF		0.2554	-0.000046						0.9980		0.9900
Cyclopentene	+++++ 0.5558	0.5600 0.5488	0.5758	0.5345	0.5316	Ave		0.5511				3.0		20.0			
Acrolein	+++++ 0.9897	1.1036 1.0216	0.9970	1.0640	1.0177	Ave		1.0323				4.2		20.0			
Allyl chloride	+++++ 0.1347	0.1264 0.1282	0.1274	0.1227	0.1239	Ave		0.1272				3.3		20.0			
Isopropyl alcohol	+++++ 0.7884	1.0745 0.7749	0.7585	0.7157	0.7046	Ave		0.8028				17.1		20.0			
Methylene Chloride	+++++ 0.2363	0.3225 0.2307	0.2540	0.2335	0.2241	Ave		0.2502			0.1000	14.7		20.0			
Acetone	+++++ 0.6338	0.6972 0.6192	0.7054	0.6053	0.5684	Ave		0.6382			0.0500	8.4		20.0			
trans-1,2-Dichloroethene	+++++ 0.2090	0.2030 0.2024	0.2314	0.2111	0.1986	Ave		0.2092			0.1000	5.6		20.0			
Methyl acetate	+++++ 9.8461	10.453 8.8475	10.534	10.293	10.094	Ave		10.011			0.1000	6.2		20.0			
Hexane	+++++ 0.0356	0.0403 0.0379	0.0409	0.0352	0.0337	Ave		0.0372				7.8		20.0			
Methyl tert-butyl ether	+++++ 0.6802	0.6081 0.6609	0.6691	0.6228	0.6122	Ave		0.6422			0.1000	4.9		20.0			
2-Methyl-2-propanol	+++++ 1.0995	1.3647 1.1036	1.0995	1.0116	1.0141	Ave		1.1155				11.6		20.0			
Acetonitrile	+++++ 1.6737	1.5274 1.5041	1.7115	1.5963	1.5425	Ave		1.5926				5.3		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropyl ether	+++++ 0.9754	0.8615 0.9873	0.9208	0.8544	0.8535	Ave		0.9088				6.8		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2038	0.1920 0.1850	0.2017	0.1869	0.1833	Ave		0.1921				4.5		20.0			
1,1-Dichloroethane	+++++ 0.4496	0.4704 0.4289	0.4685	0.4403	0.4261	Ave		0.4473			0.2000	4.3		20.0			
Acrylonitrile	0.0989 0.0960	0.0830 0.0884	0.0916	0.0834	0.0831	Ave		0.0892				7.3		20.0			
Tert-butyl ethyl ether	+++++ 0.8884	0.7570 0.8740	0.8417	0.7730	0.7832	Ave		0.8195				6.8		20.0			
Vinyl acetate	+++++ 0.5806	0.4206 0.5793	0.4052	0.4521	0.4641	Ave		0.4837				16.0		20.0			
cis-1,2-Dichloroethene	+++++ 0.2537	0.2731 0.2427	0.2689	0.2487	0.2401	Ave		0.2545			0.1000	5.4		20.0			
2,2-Dichloropropane	+++++ 0.3510	0.3302 0.3526	0.3442	0.3144	0.3216	Ave		0.3357				4.8		20.0			
Cyclohexane	+++++ 0.3718	0.3399 0.4037	0.3756	0.3347	0.3398	Ave		0.3609			0.1000	7.6		20.0			
Chlorobromomethane	+++++ 0.1224	0.1256 0.1122	0.1326	0.1251	0.1160	Ave		0.1223				6.0		20.0			
Chloroform	+++++ 0.4433	0.4022 0.4305	0.4569	0.4354	0.4150	Ave		0.4306			0.2000	4.6		20.0			
Carbon tetrachloride	+++++ 0.3035	0.3029 0.3026	0.2793	0.2660	0.2637	Ave		0.2863			0.1000	6.6		20.0			
Ethyl acetate	+++++ 0.2773	0.2721 0.2572	0.2849	0.2607	0.2458	Ave		0.2663				5.4		20.0			
Methyl acrylate	+++++ 0.2322	0.1863 0.2340	0.2003	0.1858	0.1954	Ave		0.2057				10.7		20.0			
Tetrahydrofuran	+++++ 0.9708	0.7597 0.9388	0.9439	0.8973	0.8976	Ave		0.9014				8.3		20.0			
1,1,1-Trichloroethane	+++++ 0.3706	0.3419 0.3658	0.3496	0.3413	0.3344	Ave		0.3506			0.1000	4.2		20.0			
2-Butanone (MEK)	+++++ 0.2856	0.3223 0.2726	0.3022	0.2805	0.2591	Ave		0.2871			0.0500	7.8		20.0			
1,1-Dichloropropene	+++++ 0.3593	0.3874 0.3590	0.3750	0.3355	0.3226	Ave		0.3565				6.8		20.0			
2,2,4-Trimethylpentane	+++++ 0.4167	0.3772 0.4543	0.4625	0.3899	0.3762	Ave		0.4128				9.3		20.0			
n-Heptane	+++++ 0.1106	0.0955 0.1244	0.1141	0.0979	0.1050	Ave		0.1079				10.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzene	+++++ 1.4723	1.3287 1.4261	1.4737	1.3743	1.3728	Ave		1.4080			0.5000	4.2		20.0			
Propionitrile	+++++ 1.9096	1.7974 1.7455	1.8525	1.7903	1.7619	Ave		1.8095				3.4		20.0			
Methacrylonitrile	+++++ 0.0971	0.0807 0.0837	0.0989	0.0922	0.0924	Ave		0.0908				8.0		20.0			
Tert-amyl methyl ether	+++++ 0.7338	0.6454 0.7203	0.6938	0.6531	0.6508	Ave		0.6829				5.6		20.0			
1,2-Dichloroethane	+++++ 0.3530	0.3932 0.3451	0.3652	0.3385	0.3368	Ave		0.3553			0.1000	6.0		20.0			
Isobutyl alcohol	+++++ 0.5404	0.4067 0.5656	0.4167	0.4198	0.4378	Ave		0.4645				15.0		20.0			
Isopropyl acetate	+++++ 0.5447	0.4127 0.5551	0.4332	0.4425	0.4524	Ave		0.4735				12.8		20.0			
Methylcyclohexane	+++++ 0.2549	0.2660 0.2739	0.2857	0.2510	0.2457	Ave		0.2629			0.1000	5.8		20.0			
Trichloroethene	+++++ 0.2489	0.2332 0.2267	0.2652	0.2427	0.2347	Ave		0.2419			0.2000	5.7		20.0			
Dibromomethane	+++++ 0.1498	0.1292 0.1465	0.1520	0.1430	0.1378	Ave		0.1431				5.9		20.0			
n-Butanol	+++++ 0.3422	0.1758 0.3473	0.2075	0.2500	0.2650	Qua2	-2.111	0.2539	0.0000089						0.9920		0.9900
1,2-Dichloropropane	+++++ 0.2860	0.2475 0.2923	0.2702	0.2549	0.2583	Ave		0.2682			0.1000	6.7		20.0			
Ethyl acrylate	+++++ 0.3419	0.1563 0.3425	0.2627	0.2618	0.2751	Qua2	-0.125	0.2810	0.0001460						0.9960		0.9900
Dichlorobromomethane	+++++ 0.3473	0.3003 0.3414	0.3056	0.2950	0.3048	Ave		0.3157			0.2000	7.2		20.0			
Methyl methacrylate	+++++ 0.0644	0.0491 0.0614	0.0584	0.0541	0.0563	Ave		0.0573				9.5		20.0			
1,4-Dioxane	+++++ 1.2294	1.1383 1.1859	1.3664	1.2142	1.1112	Ave		1.2076				7.4		20.0			
n-Propyl acetate	+++++ 0.3821	0.2586 0.3883	0.2909	0.2988	0.3151	Ave		0.3223				16.2		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1716	0.1063 0.1716	0.1374	0.1342	0.1462	Ave		0.1445				17.2		20.0			
cis-1,3-Dichloropropene	+++++ 0.6038	0.3658 0.6216	0.4919	0.4786	0.5134	Ave		0.5125			0.2000	18.2		20.0			
Toluene	+++++ 1.5301	1.5262 1.4564	1.6240	1.4759	1.4364	Ave		1.5082			0.4000	4.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Epichlorohydrin	0.1772 0.2298	0.1630 0.2189	0.1934	0.1958	0.2026	Ave		0.1972				11.6		20.0			
2-Nitropropane	+++++ 0.0622	0.0445 0.0661	0.0434	0.0453	0.0485	Ave		0.0516				19.2		20.0			
Tetrachloroethene	+++++ 0.3296	0.3436 0.3170	0.3395	0.3137	0.3071	Ave		0.3251			0.2000	4.5		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.4390	1.9147 2.2864	2.2287	2.2417	2.2418	Ave		2.2254			0.0500	7.7		20.0			
trans-1,3-Dichloropropene	+++++ 0.5547	0.3508 0.5498	0.4544	0.4363	0.4642	Ave		0.4684			0.1000	16.3		20.0			
1,1,2-Trichloroethane	+++++ 0.2620	0.2434 0.2630	0.2531	0.2357	0.2347	Ave		0.2487			0.1000	5.1		20.0			
Ethyl methacrylate	+++++ 0.3463	0.2117 0.3491	0.2762	0.2793	0.2990	Ave		0.2936				17.4		20.0			
Chlorodibromomethane	+++++ 0.3355	0.2525 0.3412	0.2855	0.2731	0.2806	Ave		0.2947			0.1000	12.1		20.0			
1,3-Dichloropropane	+++++ 0.5630	0.4442 0.5634	0.5067	0.4914	0.4940	Ave		0.5104				9.0		20.0			
Ethylene Dibromide	+++++ 0.3098	0.2270 0.3125	0.2749	0.2657	0.2739	Ave		0.2773			0.1000	11.4		20.0			
n-Butyl acetate	+++++ 0.5747	0.2783 0.5932	0.3604	0.3843	0.4405	Qua2	-0.145	0.4156	0.0004154						0.9920		0.9900
2-Hexanone	+++++ 1.7275	1.0801 1.6660	1.5085	1.5652	1.5724	Ave		1.5199			0.0500	15.1		20.0			
Chlorobenzene	+++++ 0.9133	0.9622 0.8777	0.9907	0.8906	0.8680	Ave		0.9171			0.5000	5.4		20.0			
Ethylbenzene	+++++ 0.4891	0.4630 0.4606	0.4952	0.4788	0.4653	Ave		0.4754			0.1000	3.1		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3177	0.2571 0.3114	0.2955	0.2773	0.2794	Ave		0.2897				7.9		20.0			
m-Xylene & p-Xylene	+++++ 0.6140	0.5871 0.5892	0.6179	0.5833	0.5725	Ave		0.5940			0.1000	3.0		20.0			
o-Xylene	+++++ 0.5857	0.5221 0.5620	0.5793	0.5483	0.5656	Ave		0.5605			0.3000	4.1		20.0			
Bromoform	+++++ 0.2089	0.1270 0.2130	0.1526	0.1536	0.1657	Ave		0.1701			0.1000	20.0		20.0			
Styrene	+++++ 1.0266	0.6116 0.9845	0.8511	0.9222	0.9334	Lin2	-0.364	0.9657			0.3000				0.9980		0.9900
n-Butyl acrylate	+++++ 0.2682	0.1213 0.2732	0.1737	0.1848	0.2104	Qua2	-0.082	0.2005	0.0001718						0.9930		0.9900

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropylbenzene	+++++ 1.3853	1.1409 1.3331	1.4363	1.3642	1.3299	Ave		1.3316			0.1000	7.6		20.0			
Amyl acetate (mixed isomers)	+++++ 1.3027	0.5679 1.3654	0.7997	0.8752	0.9864	Qua2	-0.385	0.9368	0.0009899						0.9930		0.9900
Bromobenzene	+++++ 0.7320	0.6761 0.7092	0.7301	0.6746	0.6811	Ave		0.7005				3.8		20.0			
N-Propylbenzene	+++++ 3.0176	2.6176 2.9172	3.0334	2.8906	2.8646	Ave		2.8902				5.2		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6934	0.6411 0.6819	0.6606	0.6196	0.6262	Ave		0.6538			0.3000	4.6		20.0			
2-Chlorotoluene	+++++ 2.3022	2.0350 2.1814	2.3288	2.2062	2.1561	Ave		2.2016				4.8		20.0			
4-Ethyltoluene	+++++ 2.5516	2.1661 2.3389	2.5544	2.4289	2.3989	Ave		2.4065				6.0		20.0			
1,2,3-Trichloropropane	+++++ 0.2003	0.1971 0.1998	0.1973	0.1819	0.1802	Ave		0.1927				4.8		20.0			
1,3,5-Trimethylbenzene	+++++ 2.1457	1.8997 2.0664	2.1278	2.0284	2.0049	Ave		2.0455				4.4		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2277	0.1393 0.2512	0.1346	0.1463	0.1685	Qua2	-0.018	0.1532	0.0002203						0.9910		0.9900
4-Chlorotoluene	+++++ 2.2049	1.8336 2.1525	2.2046	2.0632	2.0407	Ave		2.0832				6.7		20.0			
tert-Butylbenzene	+++++ 1.5924	1.3665 1.5289	1.6226	1.5051	1.4981	Ave		1.5190				5.9		20.0			
1,2,4-Trimethylbenzene	+++++ 2.1833	1.8041 1.9983	2.1871	2.0968	2.0835	Ave		2.0588				7.0		20.0			
Butyl Methacrylate	+++++ 0.9001	0.3262 0.8562	0.5137	0.6201	0.7179	QuaF		0.8938	-0.000073						0.9990		0.9900
sec-Butylbenzene	+++++ 2.1840	1.8642 2.1129	2.3050	2.1493	2.1029	Ave		2.1197				6.8		20.0			
1,3-Dichlorobenzene	+++++ 1.2573	1.1839 1.1749	1.3287	1.2321	1.1920	Ave		1.2282			0.6000	4.8		20.0			
4-Isopropyltoluene	+++++ 1.8745	1.4993 1.7580	1.8664	1.7811	1.7867	Ave		1.7610				7.8		20.0			
1,4-Dichlorobenzene	+++++ 1.3270	1.4117 1.2624	1.4352	1.2892	1.2429	Ave		1.3280			0.5000	6.0		20.0			
1,2,3-Trimethylbenzene	+++++ 2.3845	1.9625 2.2455	2.3285	2.2229	2.1898	Ave		2.2223				6.6		20.0			
Indan	+++++ 2.3477	2.0352 2.1682	2.3593	2.2199	2.1760	Ave		2.2177				5.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl chloride	+++++ 0.2201	0.0691 0.2371	0.1052	0.1129	0.1417	QuaF		0.1968	0.0000813						0.9990		0.9900
p-Diethylbenzene	+++++ 1.0008	0.7990 0.9286	0.9369	0.9083	0.9193	Ave		0.9155				7.2		20.0			
n-Butylbenzene	+++++ 1.6702	1.2822 1.6056	1.6372	1.5747	1.5707	Ave		1.5568				9.0		20.0			
1,2-Dichlorobenzene	+++++ 1.2688	1.1552 1.1975	1.3303	1.2276	1.2041	Ave		1.2306			0.4000	5.0		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.7639	1.2557 1.6214	1.6072	1.5906	1.6474	Ave		1.5810				10.8		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1229	0.0650 0.1290	0.0900	0.0935	0.0993	Qua2	-0.034	0.0980	0.0000701		0.0500				0.9970		0.9900
1,3,5-Trichlorobenzene	+++++ 0.7440	0.7458 0.6807	0.7994	0.6967	0.6960	Ave		0.7271				6.1		20.0			
1,2,4-Trichlorobenzene	+++++ 0.7097	0.5944 0.6458	0.7038	0.6463	0.6657	Ave		0.6609			0.2000	6.5		20.0			
Hexachlorobutadiene	+++++ 0.2674	0.2576 0.2534	0.2928	0.2528	0.2552	Ave		0.2632				5.9		20.0			
Naphthalene	+++++ 1.6940	1.2698 1.6432	1.5592	1.3515	1.4768	Ave		1.4991				11.1		20.0			
1,2,3-Trichlorobenzene	+++++ 0.6447	0.5669 0.6010	0.7099	0.6056	0.6008	Ave		0.6215				8.0		20.0			
Dibromofluoromethane (Surr)	0.2387 0.2187	0.2286 0.2097	0.2359	0.2279	0.2238	Ave		0.2262				4.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2992 0.2940	0.2919 0.2979	0.2915	0.2890	0.2938	Ave		0.2939				1.2		20.0			
Toluene-d8 (Surr)	1.3231 1.3524	1.3088 1.3662	1.3295	1.2998	1.3357	Ave		1.3308				1.7		20.0			
4-Bromofluorobenzene	0.4057 0.4150	0.4015 0.4114	0.4108	0.4141	0.4107	Ave		0.4099				1.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-634356/2	P65040.D
Level 2	STD1 460-634356/4	P65042.D
Level 3	STD5 460-634356/14	P65052.D
Level 4	STD20 460-634356/6	P65044.D
Level 5	STD50 460-634356/7	P65045.D
Level 6	STD200 460-634356/8	P65046.D
Level 7	STD500 460-634356/9	P65047.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Monochloropentafluoroethane	FB	Ave	+++++ 19947	275 67259	168	557	801	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorotrifluoroethene	FB	Ave	+++++ 217417	697 +++++	4359	15345	37592	+++++ 200	1.00 +++++	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 936288	5779 2524177	27061	99004	209893	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Difluoroethane	FB	Ave	+++++ 514052	2192 1289402	11576	41947	103431	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	+++++ 195379	1026 506549	4782	17764	43861	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 943329	5212 2551405	27375	96934	229616	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	1618 1043054	5142 2799586	27348	97358	248458	0.250 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 1119191	5754 2785072	30113	110301	269245	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	BUT	Ave	+++++ 340873	1812 755810	10471	31551	66163	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	QuaF	+++++ 467060	3650 568107	17207	60469	92813	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd9	Qua2	+++++ 228625	1588 405623	7705	23277	51256	+++++ 400	2.00 1000	10.0	40.0	100
Trichlorofluoromethane	FB	Ave	+++++ 1054235	6364 2213042	33865	119738	252904	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 1520458	8653 3363070	43923	157340	370290	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 1144152	5144 2597131	29406	105487	265738	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl ether	FB	Ave	+++++ 746568	3386 1712804	19920	67273	172492	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethanol	TBAd9	Ave	+++++ 192540	1024 502894	4712	15986	42853	+++++ 8000	40.0 20000	200	800	2000
1,1-Dichloroethene	FB	Ave	+++++ 635213	3196 1550176	18081	62909	155959	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 1167592	6148 2819064	31950	117642	293468	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon disulfide	FB	Ave	+++++ 2643600	12122 6294666	67083	222576	561153	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 623339	3269 1511771	18059	62321	155622	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 1129446	5355 2674556	29260	112516	288337	+++++ 200	1.00 500	5.00	20.0	50.0
Iodomethane	FB	QuaF	+++++ 942595	474 2155178	3778	42218	157974	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclopentene	FB	Ave	+++++ 2048469	9663 5102314	54189	186727	476468	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	+++++ 65379	1313 144316	6579	12784	31716	+++++ 200	4.00 400	20.0	40.0	100
Allyl chloride	FB	Ave	+++++ 496420	2181 1192060	11992	42864	111048	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 520795	3196 1368292	12513	42993	109798	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 870726	5564 2145229	23910	81586	200868	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 1211964	5663 3176456	32235	102007	251129	+++++ 1000	5.00 2500	25.0	100	250
trans-1,2-Dichloroethene	FB	Ave	+++++ 770077	3502 1881584	21781	73749	178037	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	TBAd9	Ave	+++++ 1300859	6218 3124518	34757	123664	314589	+++++ 400	2.00 1000	10.0	40.0	100
Hexane	FB	Ave	+++++ 131275	695 352004	3845	12292	30161	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl tert-butyl ether	FB	Ave	+++++ 2506813	10492 6145463	62976	217559	548721	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 726355	4059 1948707	18139	60768	158027	+++++ 2000	10.0 5000	50.0	200	500
Acetonitrile	TBAd9	Ave	+++++ 1105653	4543 2655802	28234	95891	240370	+++++ 2000	10.0 5000	50.0	200	500
Isopropyl ether	FB	Ave	+++++ 3594905	14865 9179896	86664	298475	764996	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 750969	3313 1720504	18983	65298	164326	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethane	FB	Ave	+++++ 1657050	8117 3988116	44096	153798	381905	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	3345 3537586	14321 8216415	86191	291391	744818	2.00 2000	10.0 5000	50.0	200	500
Tert-butyl ethyl ether	FB	Ave	+++++ 3274177	13062 8126799	79215	270029	701962	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 4279692	14516 10772278	76270	315905	831960	+++++ 400	2.00 1000	10.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	+++++ 935025	4712 2256682	25307	86891	215229	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 1293666	5697 3278913	32392	109844	288266	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 1370267	5865 3753367	35354	116934	304556	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobromomethane	FB	Ave	+++++ 451133	2168 1043000	12478	43694	103993	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroform	FB	Ave	+++++ 1633731	6940 4002603	43005	152114	371983	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 1118524	5226 2813970	26284	92926	236323	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	Ave	+++++ 212112	884 527807	5207	17576	43434	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 855628	3215 2175922	18853	64910	175156	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++ 742531	2468 1926484	17254	60492	158642	+++++ 400	2.00 1000	10.0	40.0	100
1,1,1-Trichloroethane	FB	Ave	+++++ 1365857	5899 3401471	32899	119243	299682	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	+++++ 546147	2618 1398671	13808	47268	114492	+++++ 1000	5.00 2500	25.0	100	250
1,1-Dichloropropene	FB	Ave	+++++ 1324029	6685 3337876	35297	117200	289139	+++++ 200	1.00 500	5.00	20.0	50.0
2,2,4-Trimethylpentane	FB	Ave	+++++ 1535822	6509 4224329	43528	136211	337131	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 407672	1647 1156779	10736	34215	94079	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZ d5	Ave	+++++ 3906295	16871 9382733	101337	356554	897361	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd 9	Ave	+++++ 1261492	5346 3082145	30560	107546	274547	+++++ 2000	10.0 5000	50.0	200	500
Methacrylonitrile	FB	Ave	+++++ 3580114	13920 7785037	93089	322091	828090	+++++ 2000	10.0 5000	50.0	200	500

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	FB	Ave	+++++ 2704406	11137 6697338	65296	228151	583246	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 1300976	6784 3208658	34372	118262	301837	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	+++++ 892425	3024 2496743	17185	63053	170568	+++++ 5000	25.0 12500	125	500	1250
Isopropyl acetate	FB	Ave	+++++ 2007634	7121 5161273	40776	154583	405504	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 939477	4589 2546958	26885	87674	220227	+++++ 200	1.00 500	5.00	20.0	50.0
Trichloroethene	FB	Ave	+++++ 917242	4023 2107503	24956	84767	210310	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	+++++ 551971	2230 1361925	14307	49966	123504	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Qua2	+++++ 565136	1307 1533061	8557	37547	103245	+++++ 5000	25.0 12500	125	500	1250
1,2-Dichloropropane	FB	Ave	+++++ 1054068	4270 2717433	25434	89029	231482	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Qua2	+++++ 1260005	2697 3184297	24726	91456	246540	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 1280085	5181 3174532	28759	103059	273150	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 474413	1693 1141754	10987	37772	100893	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 188593	1943 473452	5263	16472	40871	+++++ 4000	50.0 10000	100	400	1000
n-Propyl acetate	FB	Ave	+++++ 1408068	4462 3610066	27383	104378	282388	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 633925	1838 1599289	12961	47007	131317	+++++ 200	1.00 501	5.01	20.0	50.1
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1602148	4645 4089782	33829	124170	335558	+++++ 200	1.00 500	5.00	20.0	50.0
Toluene	CBNZ d5	Ave	+++++ 4059857	19378 9582437	111673	382906	938930	+++++ 200	1.00 500	5.00	20.0	50.0
Epichlorohydrin	BUT	Ave	1421 1757457	5294 4491835	35346	132016	358148	5.00 4000	20.0 10000	100	400	1000
2-Nitropropane	FB	Ave	+++++ 458198	1536 1229529	8163	31621	86863	+++++ 400	2.00 1000	10.0	40.0	100
Tetrachloroethene	CBNZ d5	Ave	+++++ 874598	4363 2085725	23347	81386	200767	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 4663679	15551 11729251	101845	377805	990504	+++++ 1000	5.00 2500	25.0	100	250

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1471752	4454 3617052	31249	113190	303429	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 695193	3090 1730617	17404	61150	153421	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	Ave	+++++ 1276208	3652 3245595	25998	97568	267993	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 890225	3206 2245059	19630	70863	183444	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 1493801	5640 3706760	34841	127489	322921	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 821901	2882 2056132	18902	68939	179038	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acetate	CBNZ d5	Qua2	+++++ 1524938	3533 3902933	24784	99715	287960	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 3303116	8773 8546446	68935	263786	694723	+++++ 1000	5.00 2500	25.0	100	250
Chlorobenzene	CBNZ d5	Ave	+++++ 2423213	12217 5774590	68125	231061	567353	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 1297820	5879 3030689	34055	124223	304152	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 842850	3265 2049005	20317	71935	182648	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1629156	7454 3876614	42489	151320	374209	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1554090	6629 3697448	39837	142252	369739	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 554284	1613 1401500	10491	39852	108297	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Lin2	+++++ 2723757	7766 6477507	58528	239253	610120	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Qua2	+++++ 711714	1540 1797561	11942	47935	137517	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 3675509	14486 8770954	98766	353938	869281	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Qua2	+++++ 1874766	3939 4847208	29901	124686	351920	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 1053427	4690 2517555	27298	96100	243024	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 4342816	18157 10355804	113419	411790	1022062	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 997885	4447 2420672	24701	88265	223436	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Chlorotoluene	DCBd 4	Ave	+++++ 3313248	14116 7743773	87073	314286	769265	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 3672180	15025 8303017	95508	346012	855893	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 288201	1367 709331	7376	25907	64281	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 3088042	13177 7335424	79558	288961	715332	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Qua2	+++++ 327749	966 891753	5034	20836	60132	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 3173119	12719 7641129	82430	293915	728087	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 2291734	9479 5427462	60670	214416	534504	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 3142017	12514 7093601	81774	298704	743384	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	QuaF	+++++ 1295389	2263 3039316	19208	88336	256133	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 3143098	12931 7500499	86182	306180	750288	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1809498	8212 4170708	49680	175528	425307	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 2697695	10400 6240895	69784	253737	637456	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1909741	9792 4481265	53660	183661	443449	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 3431604	13613 7971268	87063	316667	781310	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 3378713	14117 7697003	88215	316239	776386	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	QuaF	+++++ 316730	479 841626	3933	16085	50559	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 1440232	5542 3296313	35032	129400	327980	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 2403720	8894 5699667	61215	224331	560416	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1826015	8013 4251012	49741	174876	429608	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 2538538	8710 5755709	60094	226588	587765	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Qua2	+++++ 176829	451 457839	3364	13321	35440	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 634356

SDG No.:

Instrument ID: CVOAMS13 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/23/2019 08:16 Calibration End Date: 08/23/2019 13:15 Calibration ID: 76281

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 1070728	5173 2416282	29891	99257	248312	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 1021372	4123 2292430	26314	92073	237504	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 384893	1787 899646	10947	36014	91060	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 2437957	8808 5833225	58299	192539	526887	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 927770	3932 2133588	26542	86268	214341	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	201875 201509	197253 195001	221981	199035	200603	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	253016 270900	251805 276994	274383	252373	263321	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	841103 897052	830859 898877	914271	843033	873078	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	257890 275285	254879 270659	282509	268577	268472	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 23-Aug-2019 08:16:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0096522-002
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:35:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 09:41:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	0.936	0.936	0.000	96	1618	0.2500	0.3172	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	297075	1000.0	1000.0	
39 Acrylonitrile	53	2.261	2.254	0.007	95	3345	2.00	2.22	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	201875	50.0	52.8	
* 53 2-Butanone-d5	46	2.956	2.963	-0.007	0	400932	250.0	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	253016	50.0	50.9	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	845605	50.0	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	31856	1000.0	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	841103	50.0	49.7	
84 Epichlorohydrin	57	5.147	5.133	0.014	93	1421	5.00	4.49	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	635691	50.0	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	257890	50.0	49.5	
* 123 1,4-Dichlorobenzene-d4	152	10.441	10.434	0.007	97	339330	50.0	50.0	

Reagents:

GASES Li_00329	Amount Added:	2.50	Units: uL	
8260MIX1COMB_00103	Amount Added:	0.00	Units: uL	
ACROLEIN W_00094	Amount Added:	0.00	Units: uL	
524freon_00009	Amount Added:	0.00	Units: uL	
14DIOXINTER_00103	Amount Added:	0.00	Units: uL	
GAS Hi_00320	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00064	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00086	Amount Added:	0.00	Units: uL	
MIX I Hi_00112	Amount Added:	0.00	Units: uL	
Ethanol mix_00031	Amount Added:	0.00	Units: uL	
8FreonHi_00007	Amount Added:	0.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2019 10:35:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D

Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13 Operator ID:

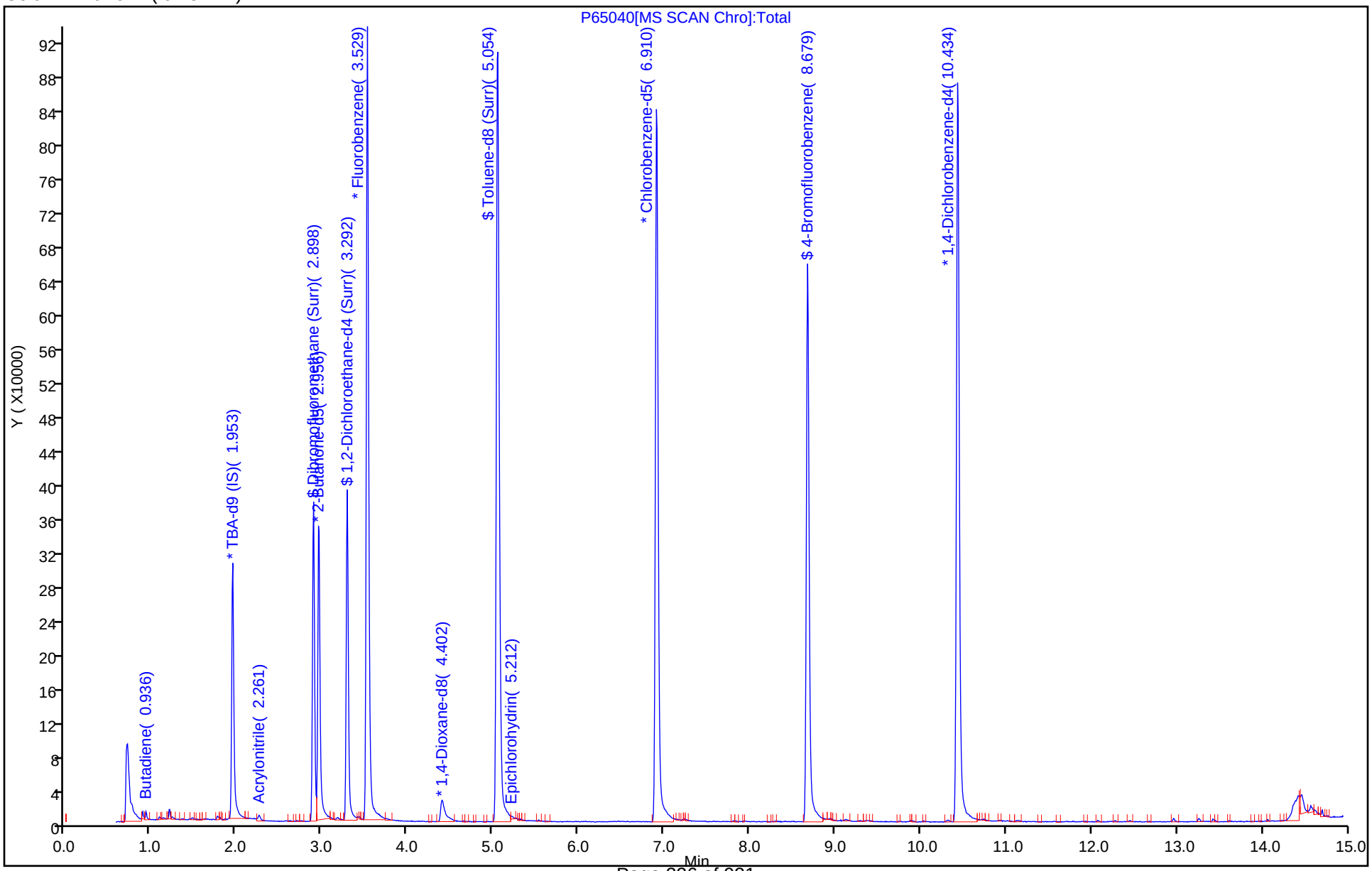
Lims ID: STD8 Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

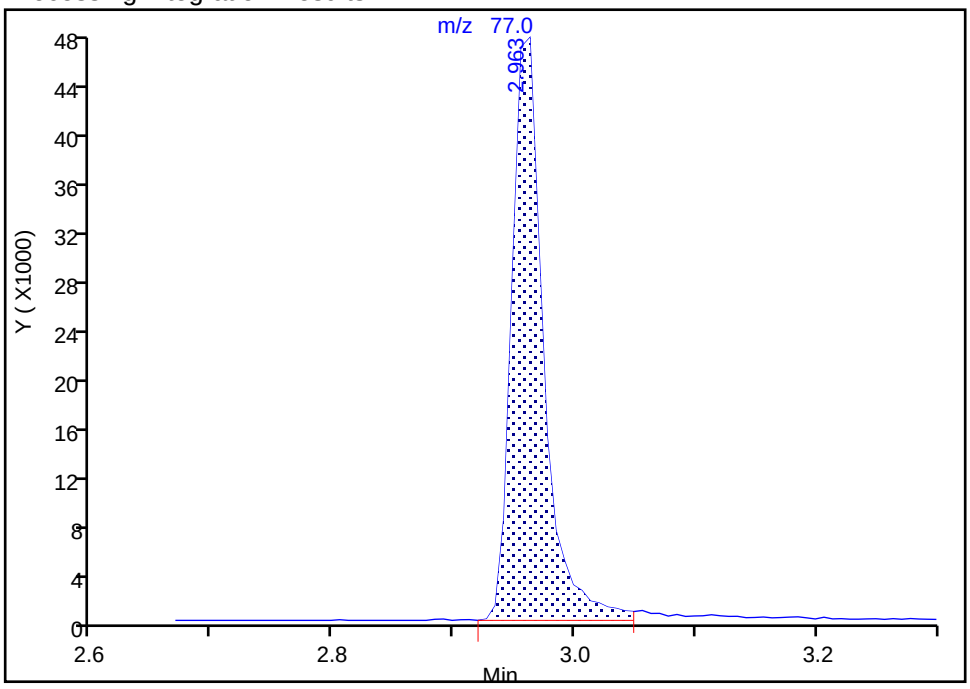
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 53 2-Butanone-d5, CAS: 24313-50-6

Signal: 2

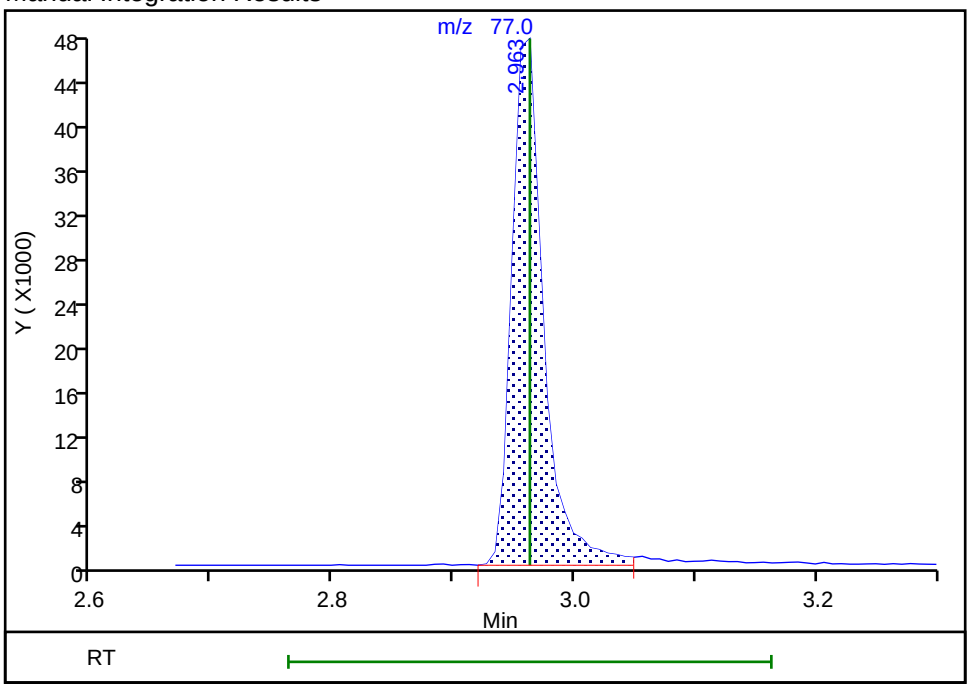
Processing Integration Results

RT: 2.96
Area: 86794
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 2.96
Area: 86794
Amount: 250.0000
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:38:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

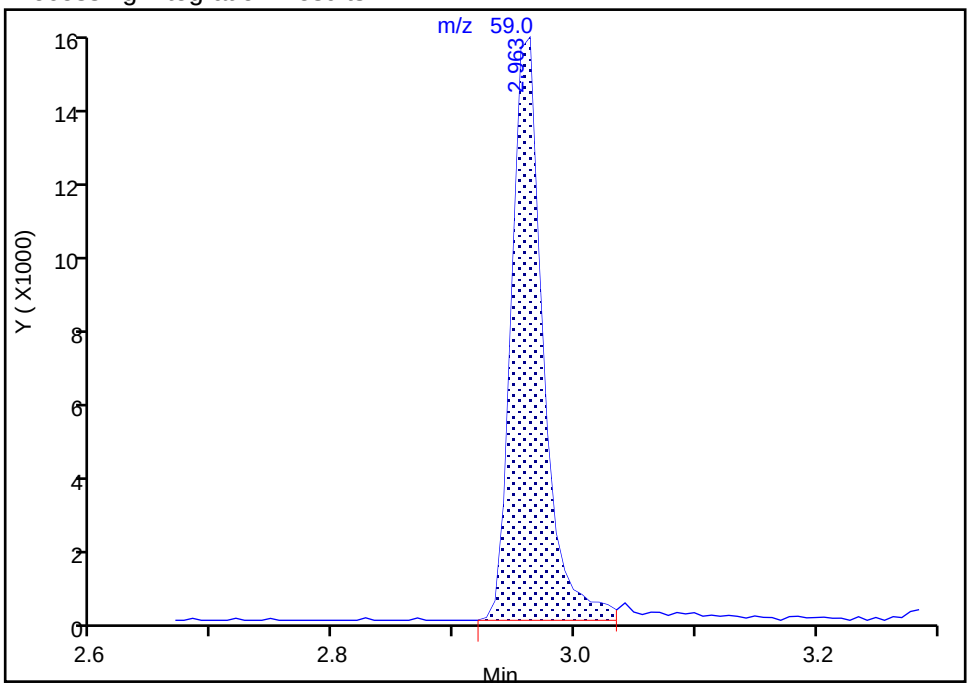
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 53 2-Butanone-d5, CAS: 24313-50-6

Signal: 3

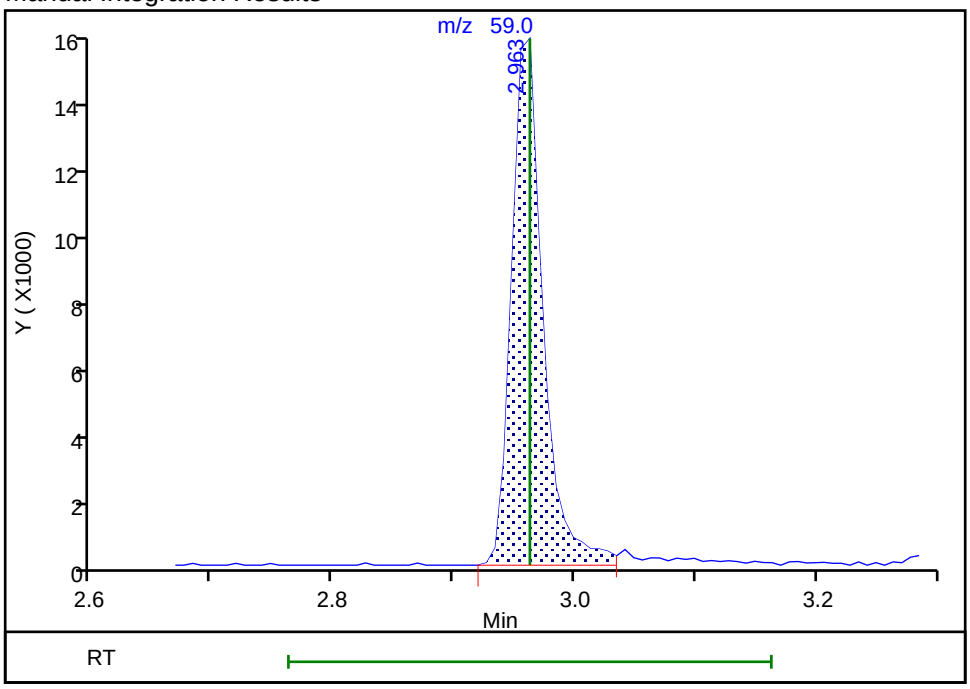
Processing Integration Results

RT: 2.96
Area: 28657
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 2.96
Area: 28657
Amount: 250.0000
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:38:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

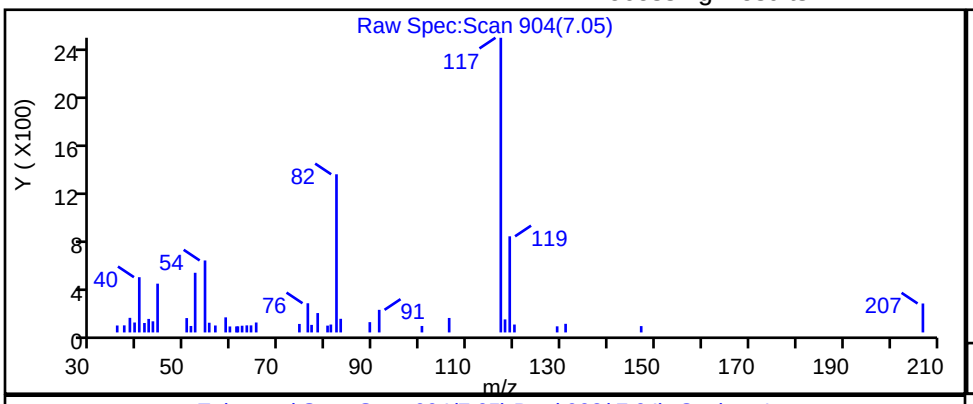
User Disabled Compound Report

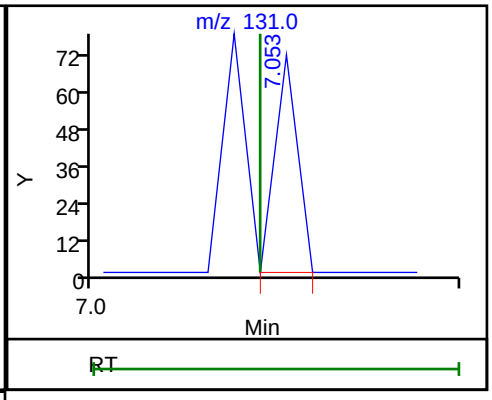
Eurofins TestAmerica, Edison

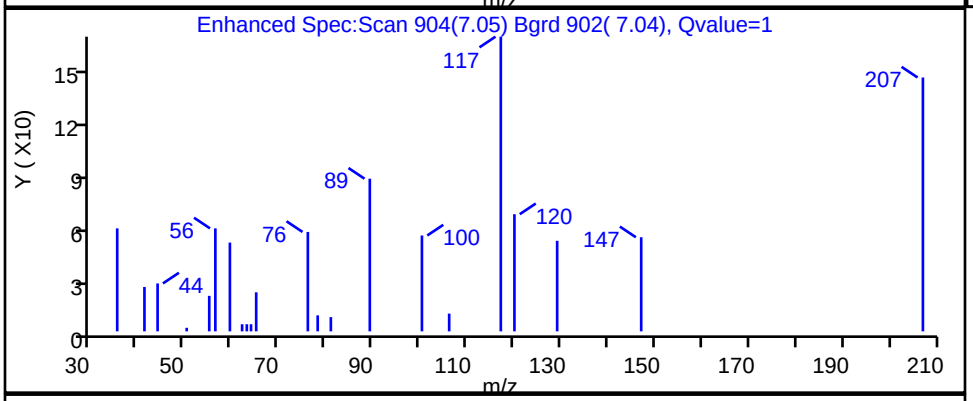
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

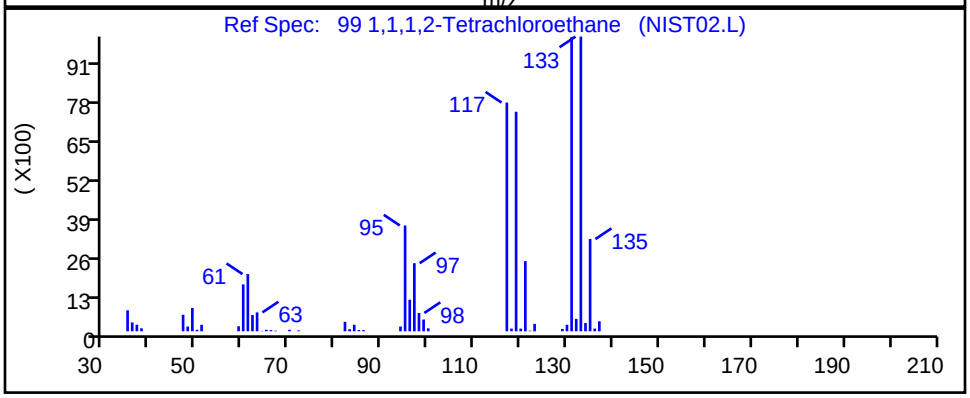
99 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results









RT	Mass	Response	Amount
7.05	131.00	31	0.006922

Reviewer: desais, 23-Aug-2019 09:39:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

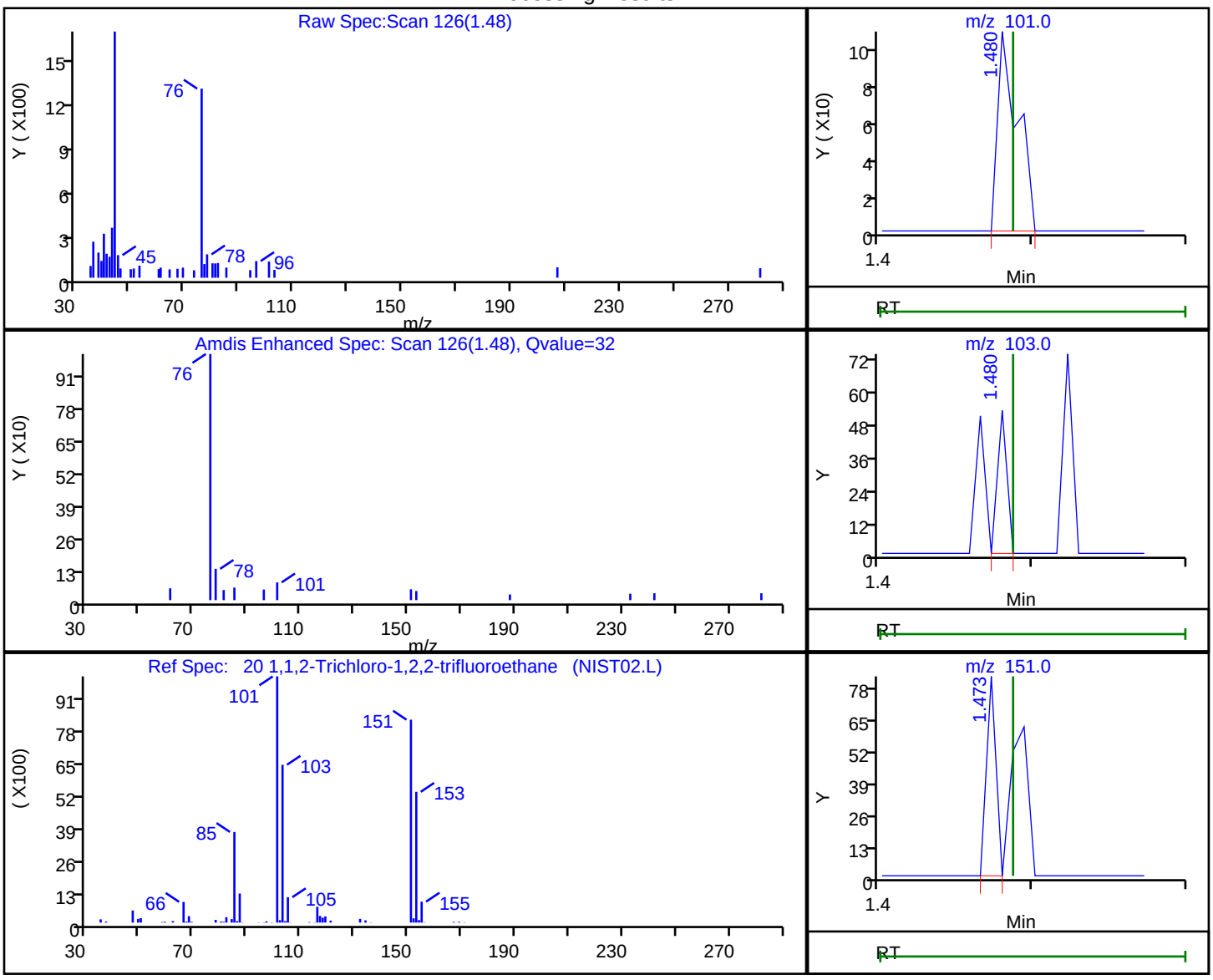
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
1.48	101.00	98	0.020808
1.48	103.00	23	
1.47	151.00	36	
1.47	85.00	159	

Reviewer: desais, 23-Aug-2019 09:37:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

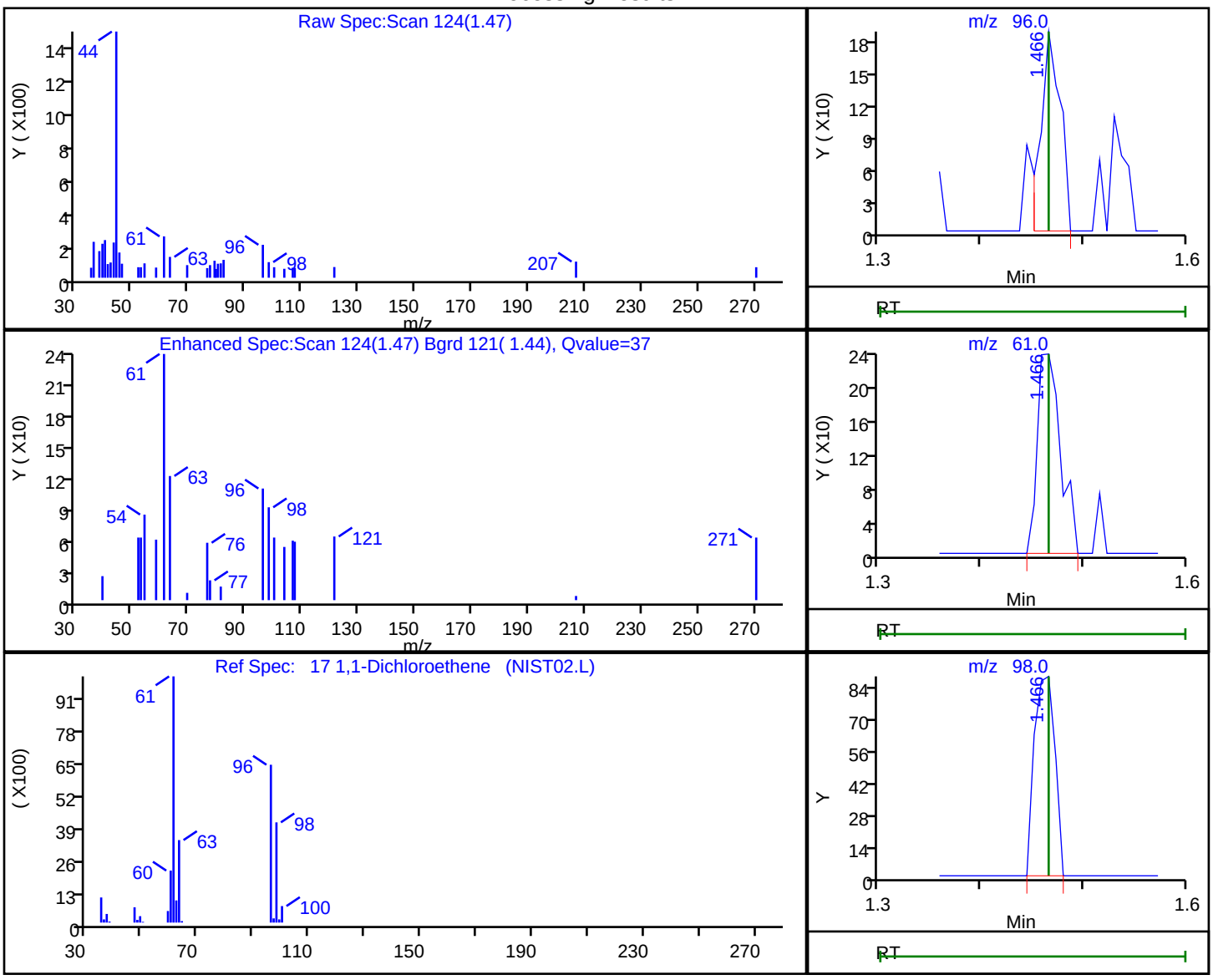
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

17 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
1.47	96.00	251	0.055261
1.47	61.00	374	
1.47	98.00	125	
1.47	63.00	156	

Reviewer: desais, 23-Aug-2019 09:37:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

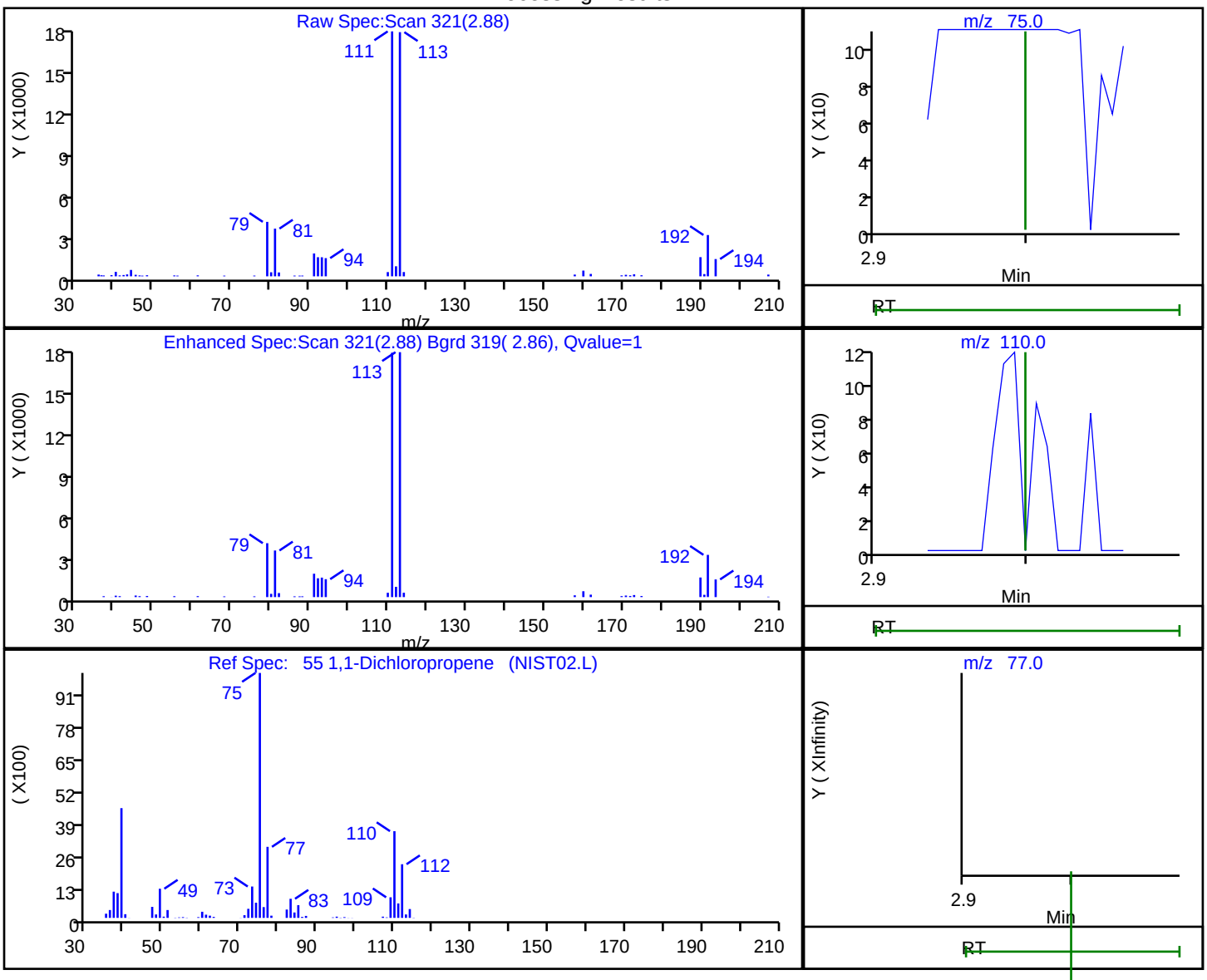
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

55 1,1-Dichloropropene, CAS: 563-58-6

Processing Results



RT	Mass	Response	Amount
2.88	75.00	45	0.007096
2.89	110.00	1516	
2.89	77.00	86	

Reviewer: desais, 23-Aug-2019 09:38:48

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

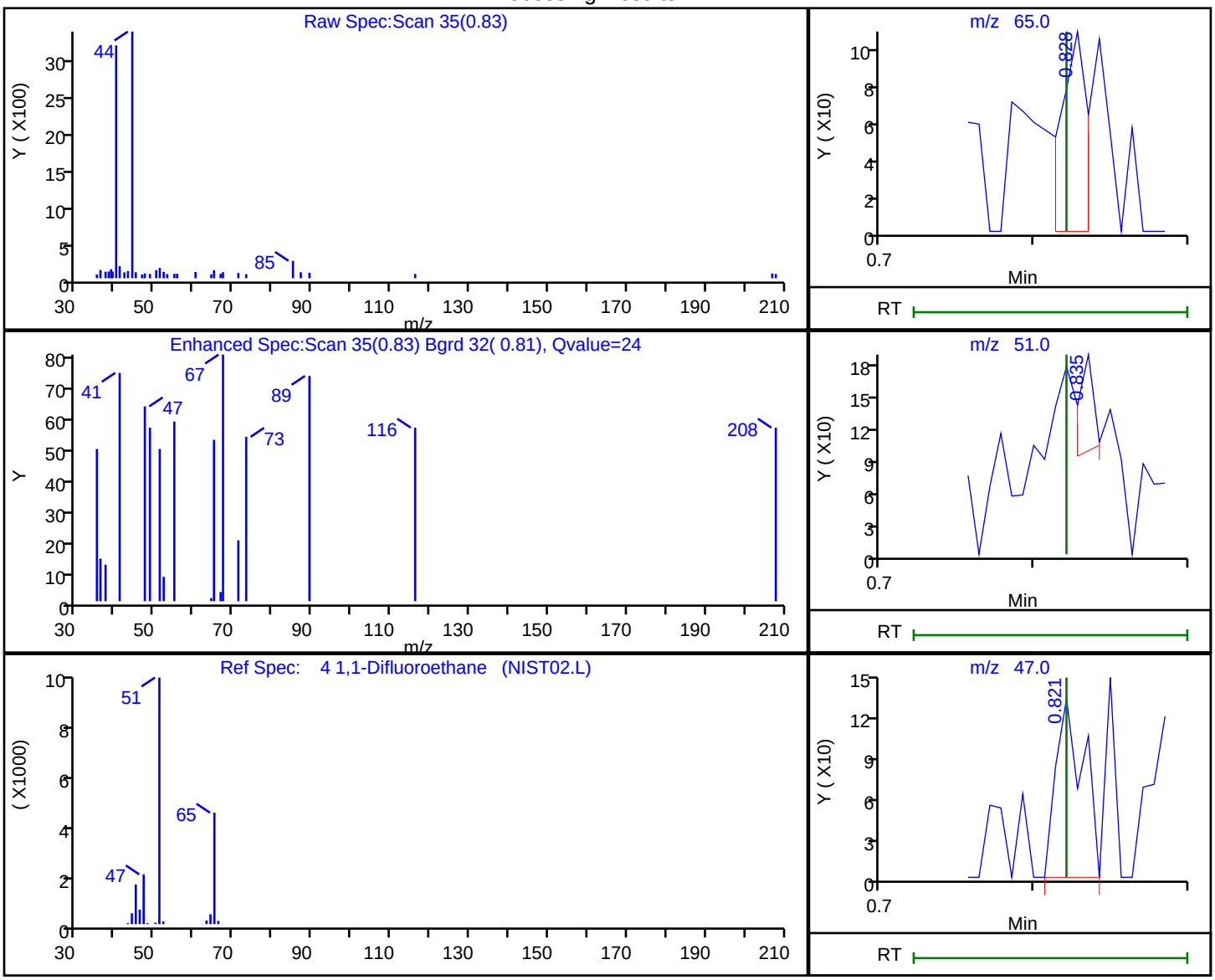
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 1,1-Difluoroethane, CAS: 75-37-6

Processing Results



RT	Mass	Response	Amount
0.83	65.00	128	0.054345
0.84	51.00	60	
0.82	47.00	161	

Reviewer: desais, 23-Aug-2019 09:37:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

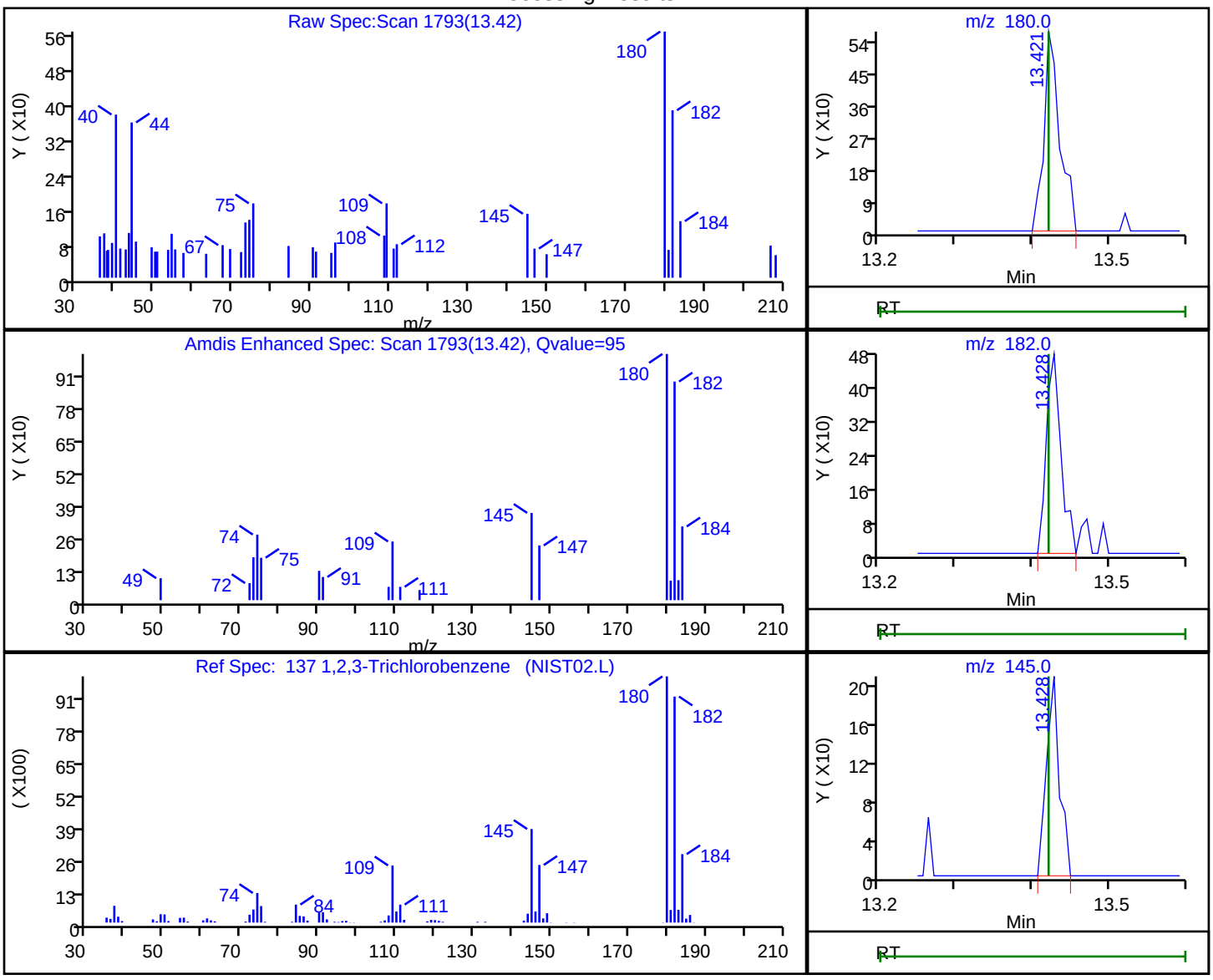
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

137 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results



RT	Mass	Response	Amount
13.42	180.00	818	0.189434
13.43	182.00	636	
13.43	145.00	245	

Reviewer: desais, 23-Aug-2019 09:40:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

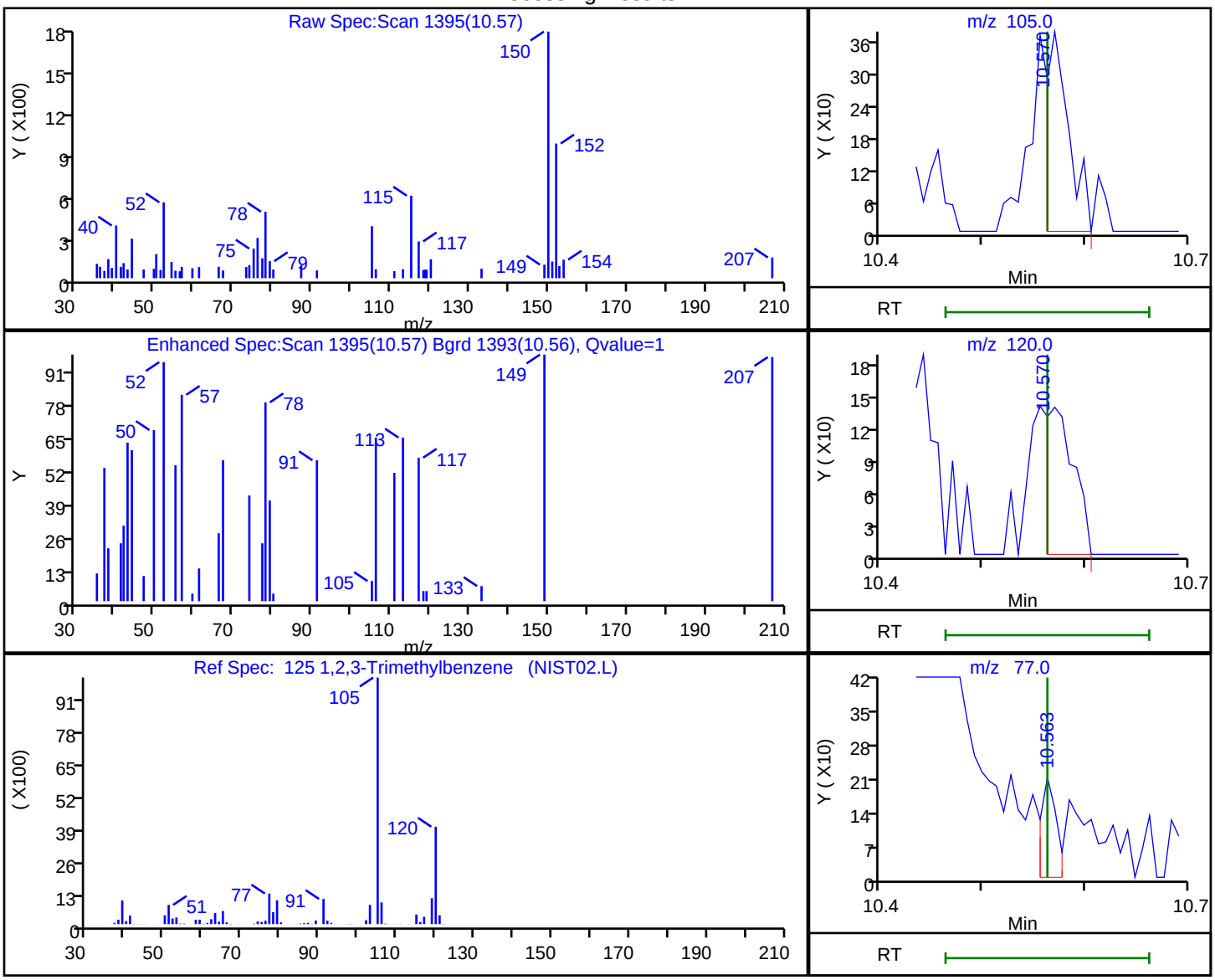
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

125 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
10.57	105.00	570	0.039773
10.57	120.00	263	
10.56	77.00	226	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

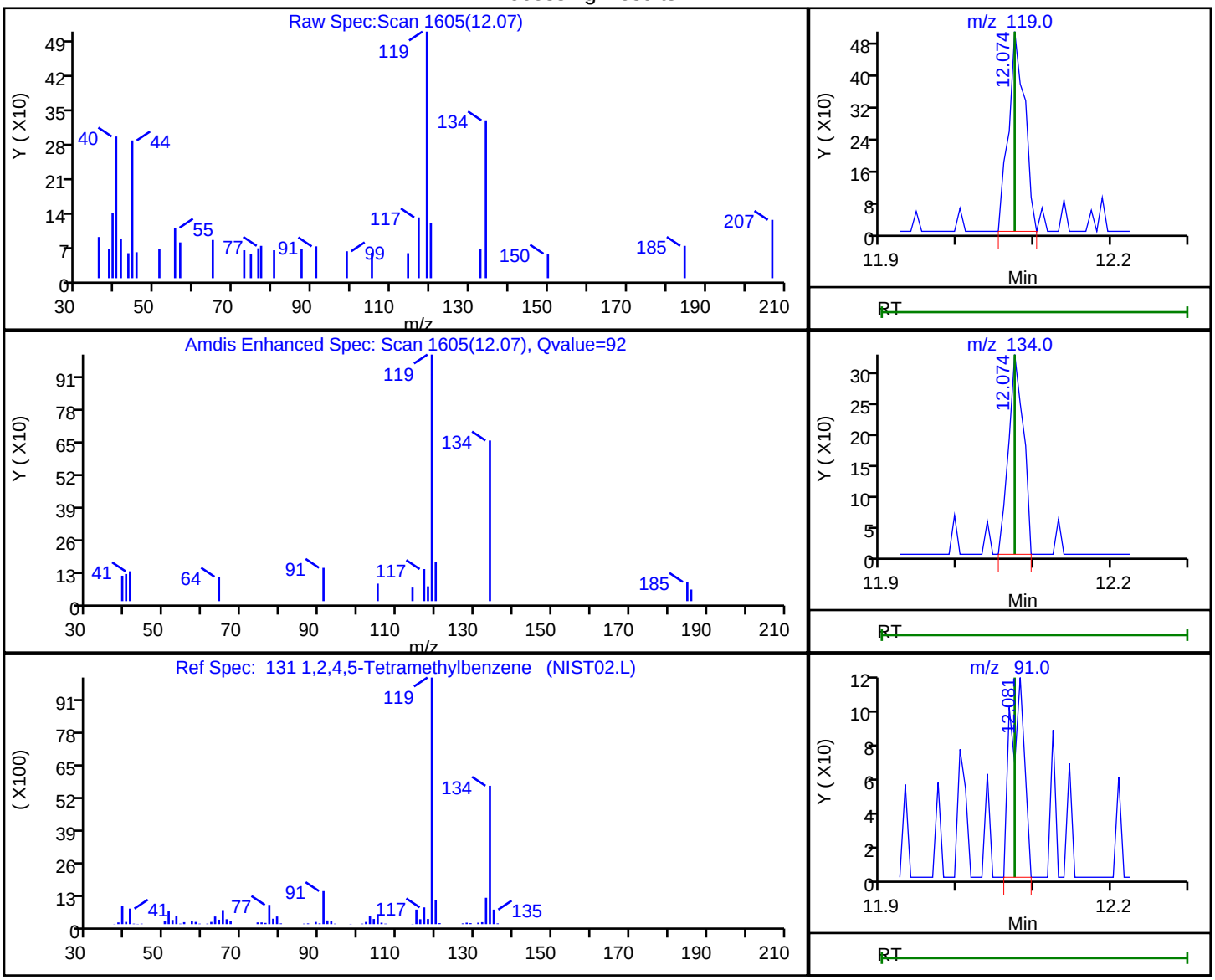
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

131 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
12.07	119.00	737	0.073650
12.07	134.00	432	
12.08	91.00	143	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

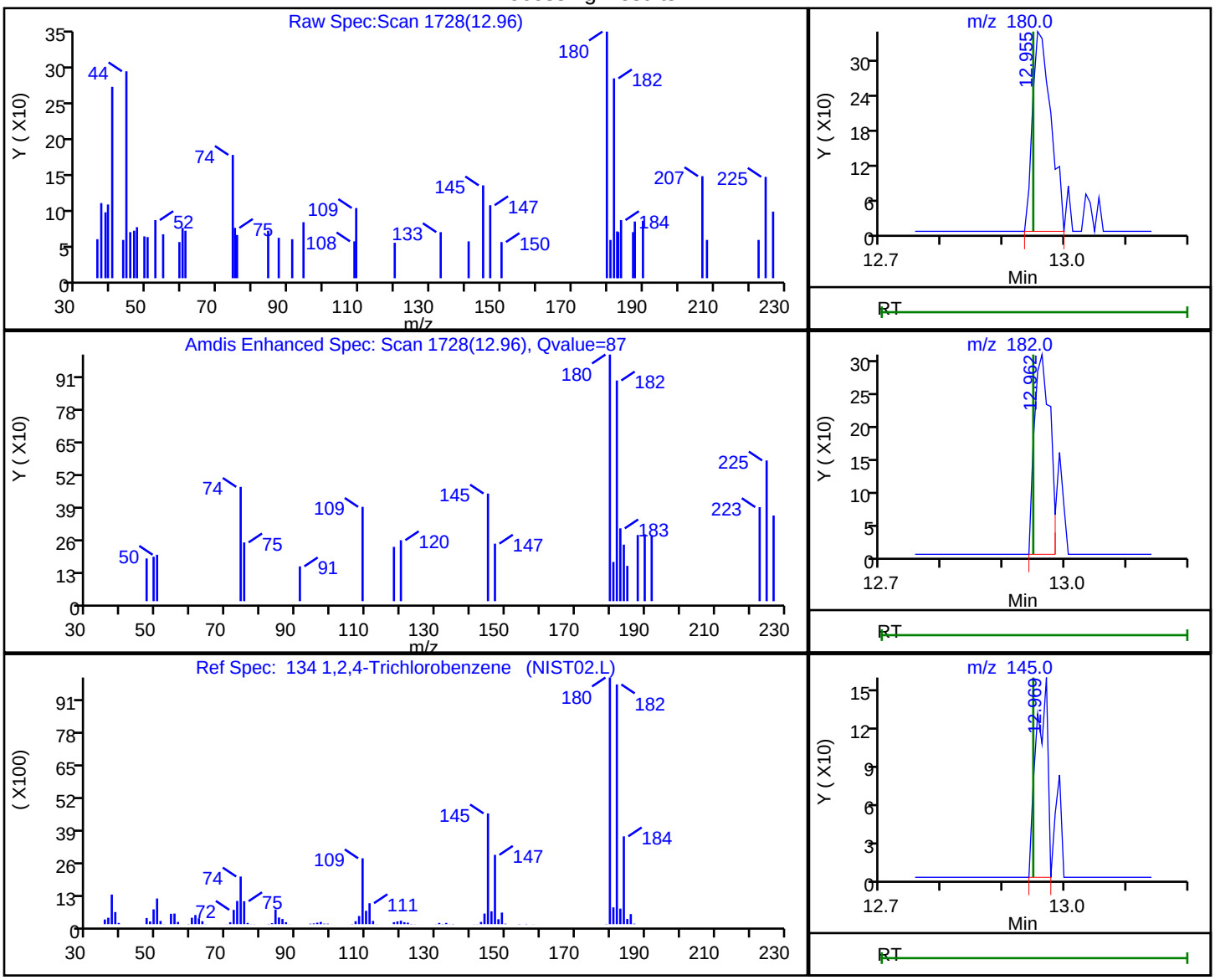
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

134 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
12.96	180.00	726	0.156094
12.96	182.00	552	
12.97	145.00	204	

Reviewer: desais, 23-Aug-2019 09:40:52

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

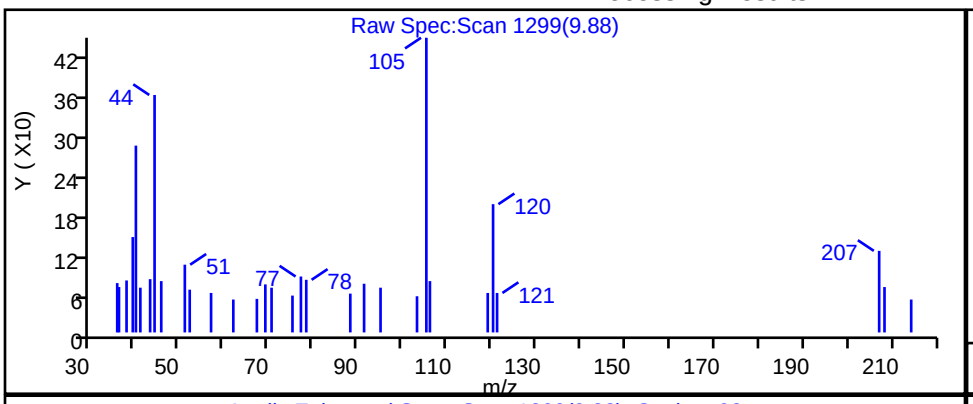
User Disabled Compound Report

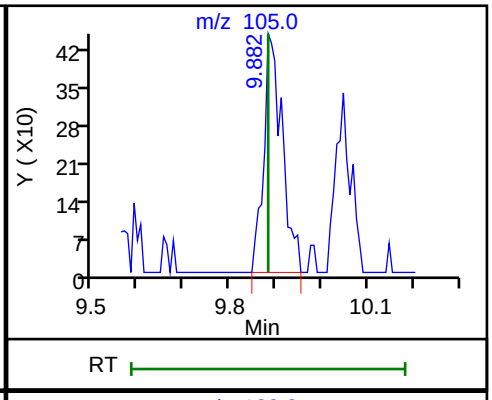
Eurofins TestAmerica, Edison

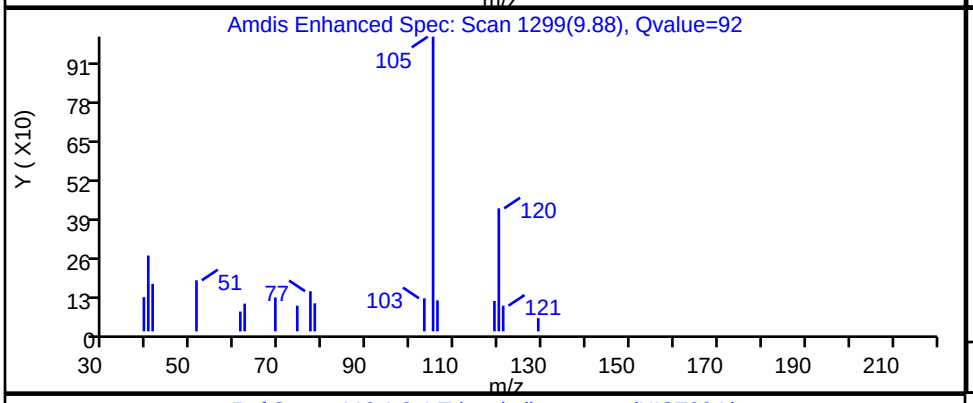
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

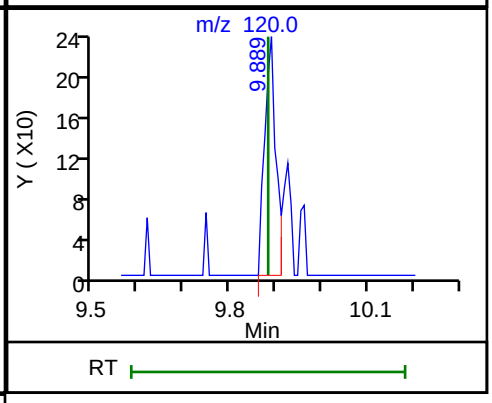
118 1,2,4-Trimethylbenzene, CAS: 95-63-6

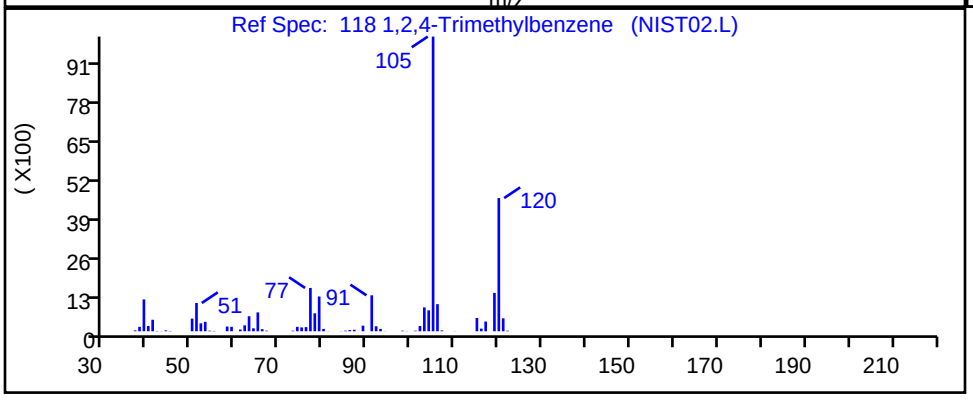
Processing Results











RT	Mass	Response	Amount
9.88	105.00	1256	0.091958
9.89	120.00	398	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

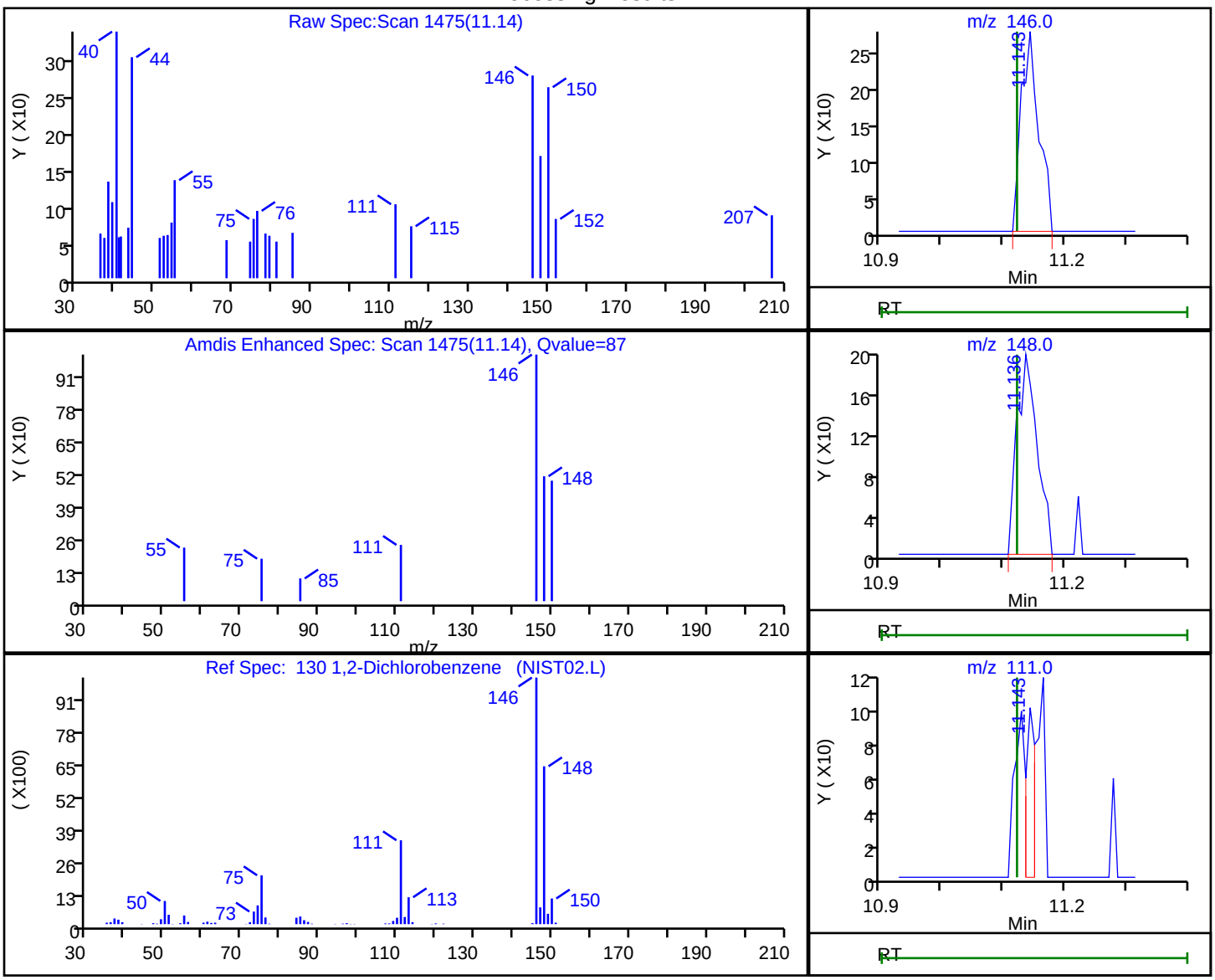
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

130 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
11.14	146.00	552	0.065823
11.14	148.00	450	
11.14	111.00	103	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

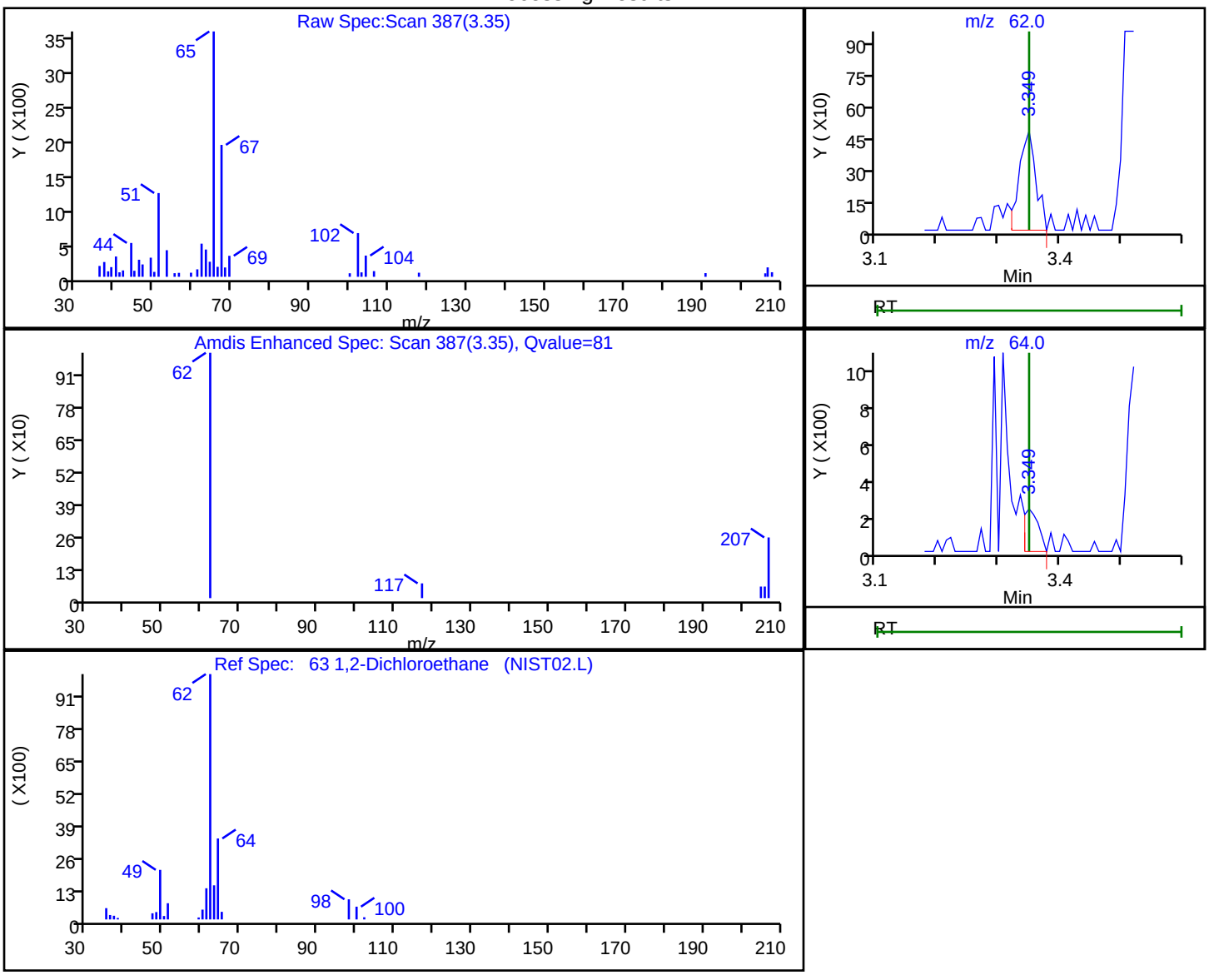
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

63 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
3.35	62.00	912	0.145735
3.35	64.00	352	

Reviewer: desais, 23-Aug-2019 09:38:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

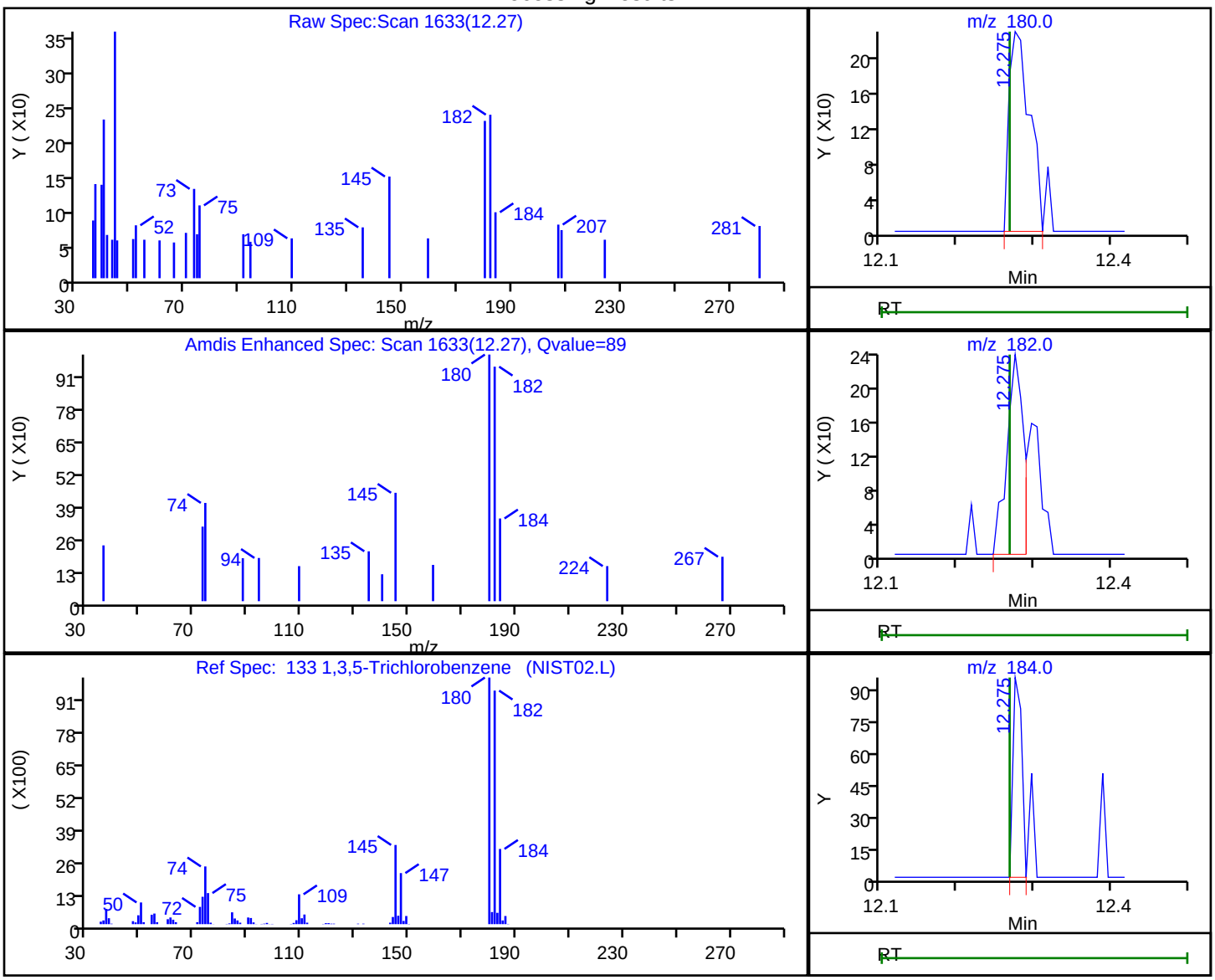
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

133 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results



RT	Mass	Response	Amount
12.27	180.00	428	0.085185
12.27	182.00	359	
12.27	184.00	76	

Reviewer: desais, 23-Aug-2019 09:40:52

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

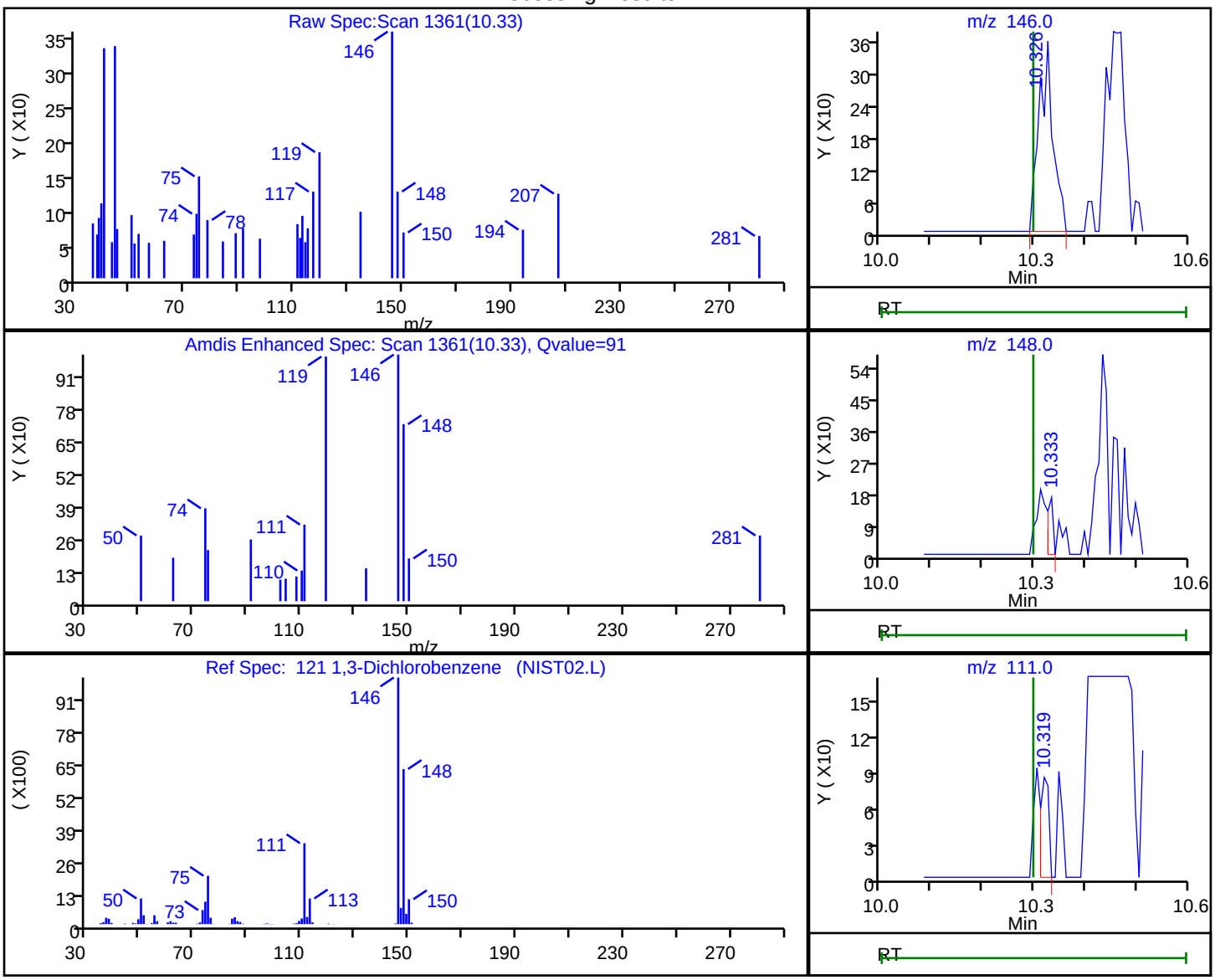
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

121 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
10.33	146.00	681	0.079536
10.33	148.00	125	
10.32	111.00	95	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

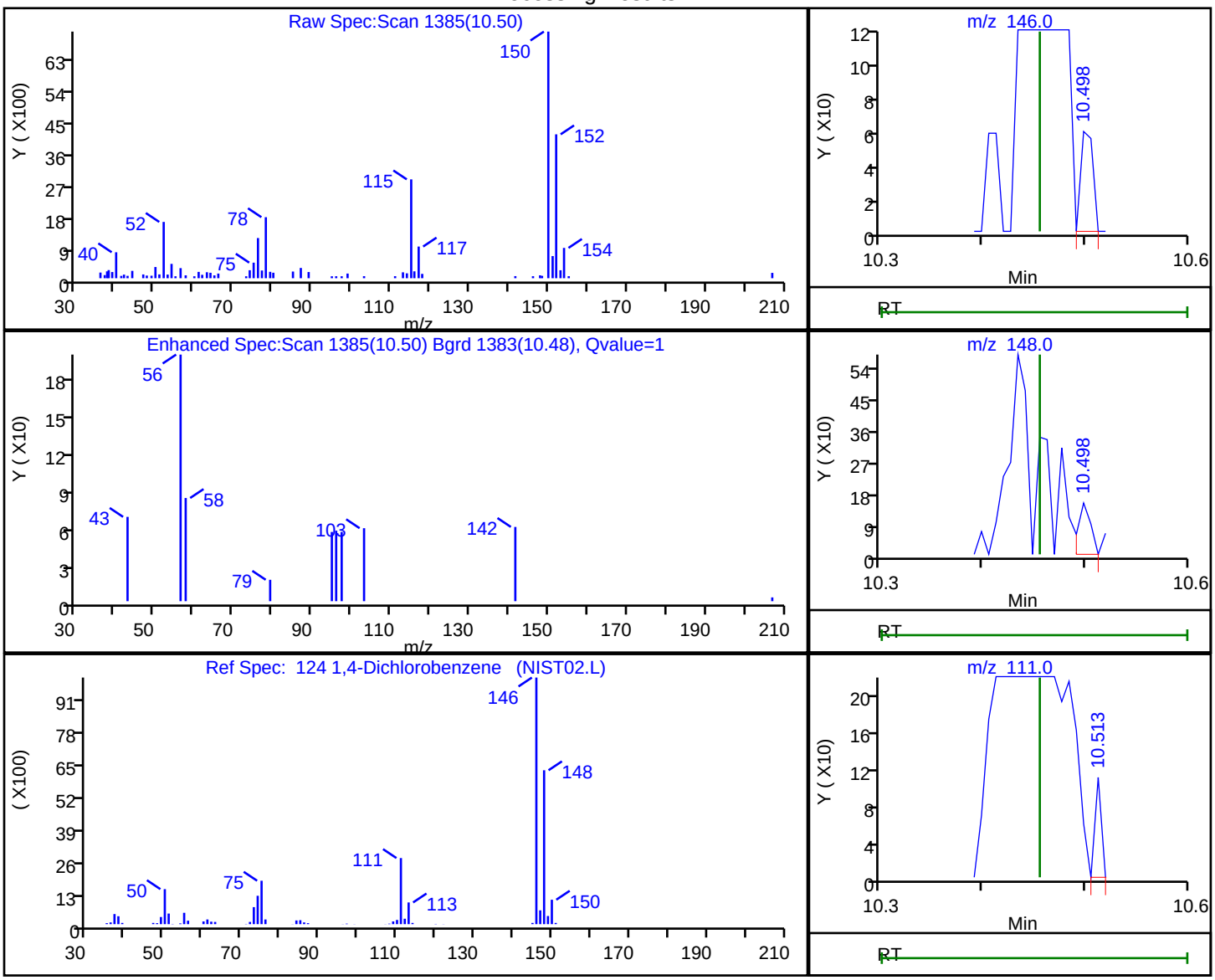
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

124 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.50	146.00	47	0.005110
10.50	148.00	127	
10.51	111.00	46	

Reviewer: desais, 23-Aug-2019 09:40:51

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

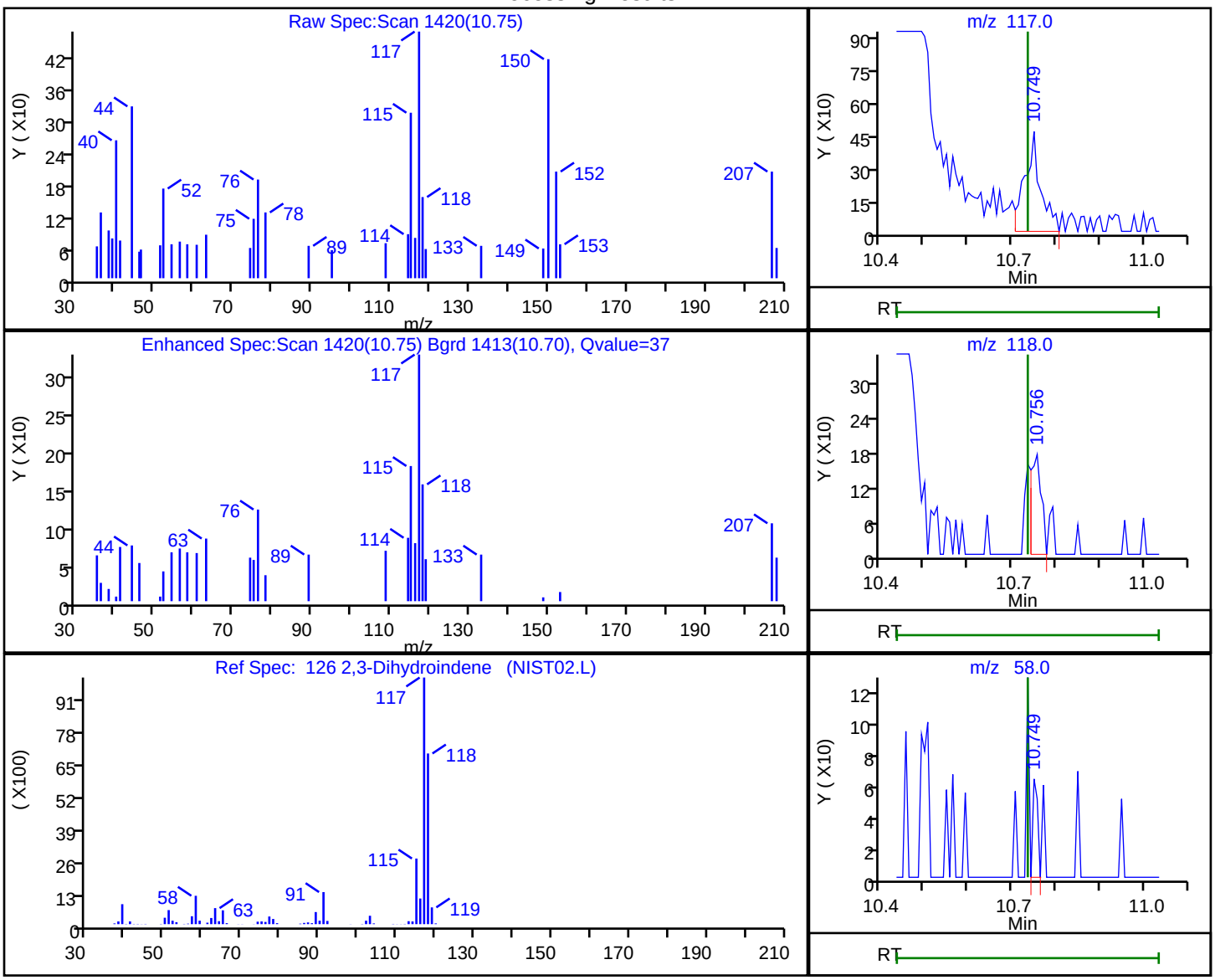
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

126 2,3-Dihydroindene, CAS: 496-11-7

Processing Results



RT	Mass	Response	Amount
10.75	117.00	1162	0.078137
10.76	118.00	286	
10.75	58.00	49	

Reviewer: desais, 23-Aug-2019 09:40:51

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

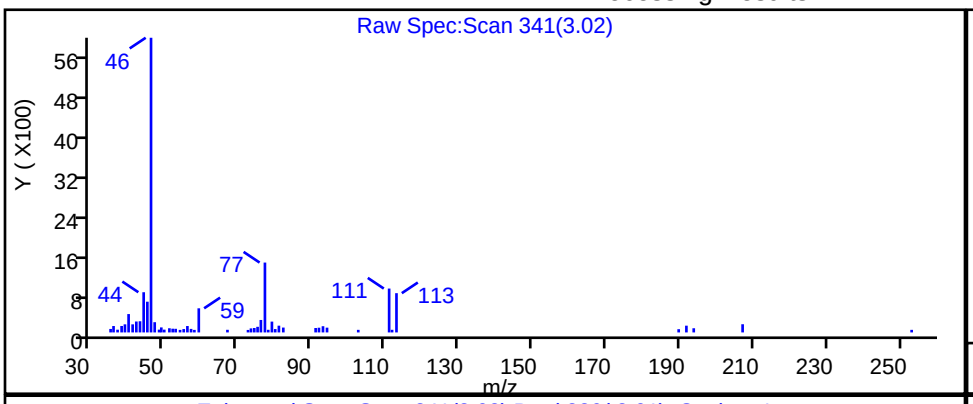
User Disabled Compound Report

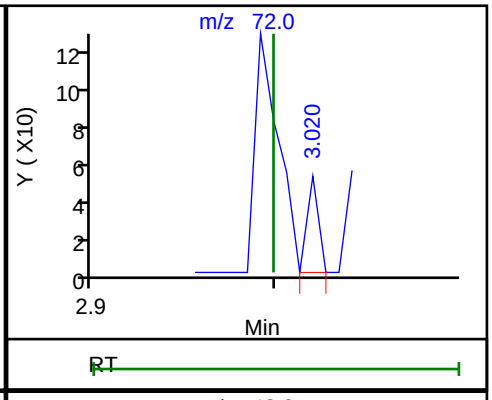
Eurofins TestAmerica, Edison

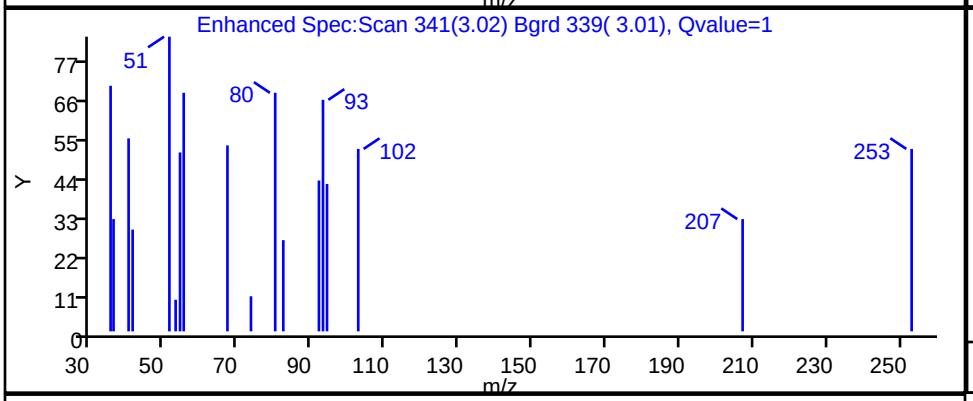
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

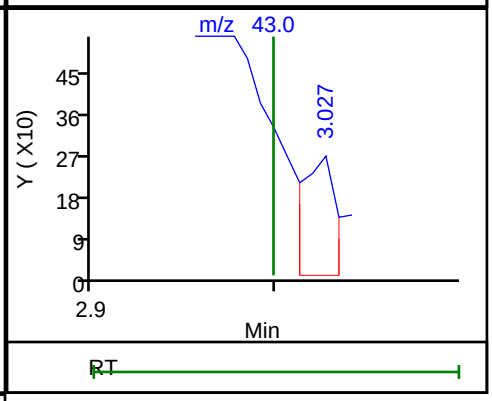
54 2-Butanone (MEK), CAS: 78-93-3

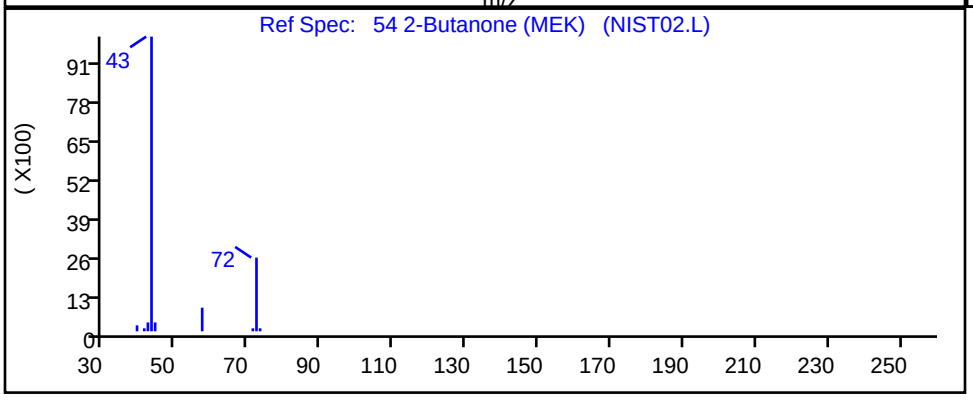
Processing Results











RT	Mass	Response	Amount
3.02	72.00	22	0.043916
3.03	43.00	352	

Reviewer: desais, 23-Aug-2019 09:38:47

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

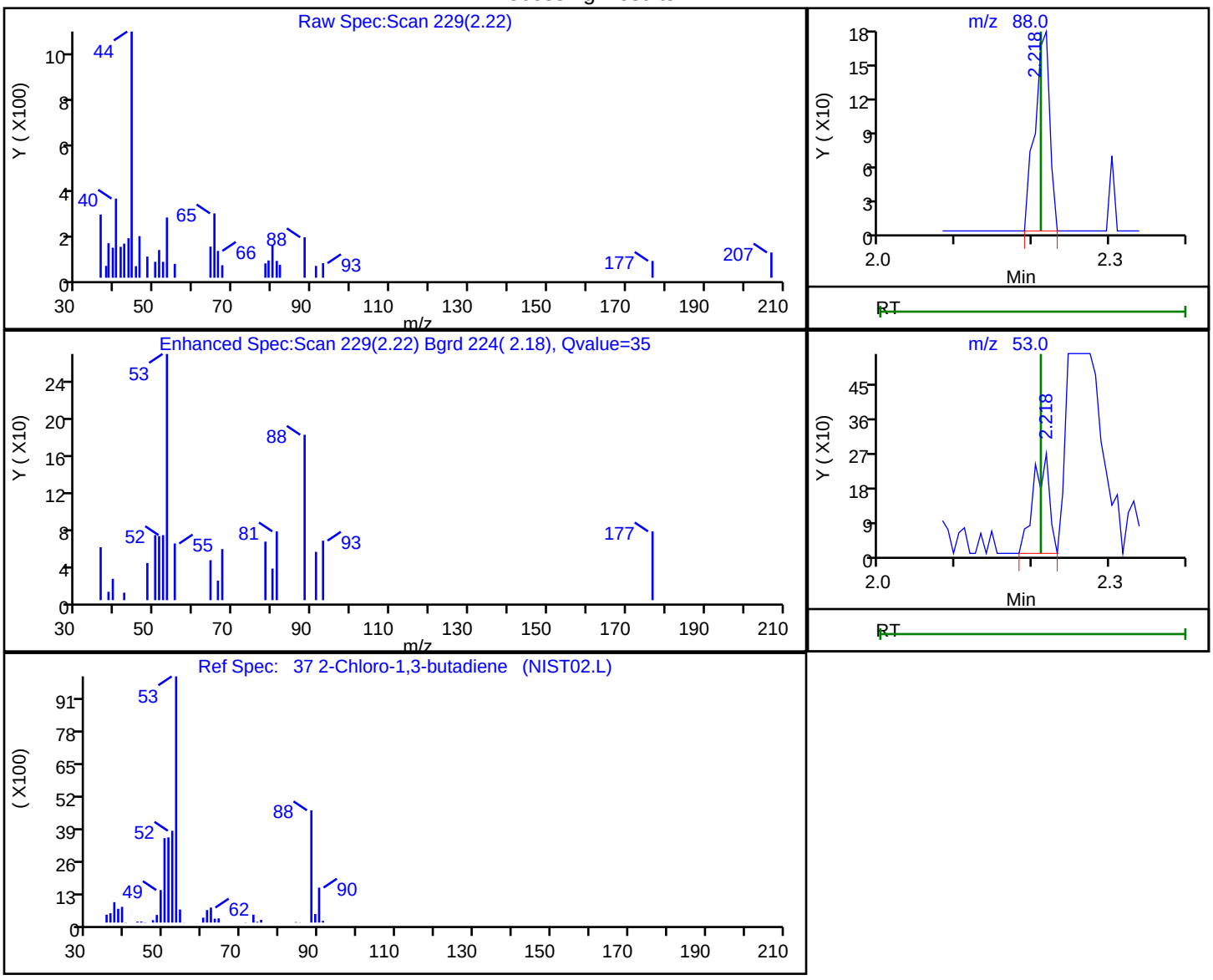
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

37 2-Chloro-1,3-butadiene, CAS: 126-99-8

Processing Results



RT	Mass	Response	Amount
2.22	88.00	240	0.046270
2.22	53.00	381	

Reviewer: desais, 23-Aug-2019 09:38:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

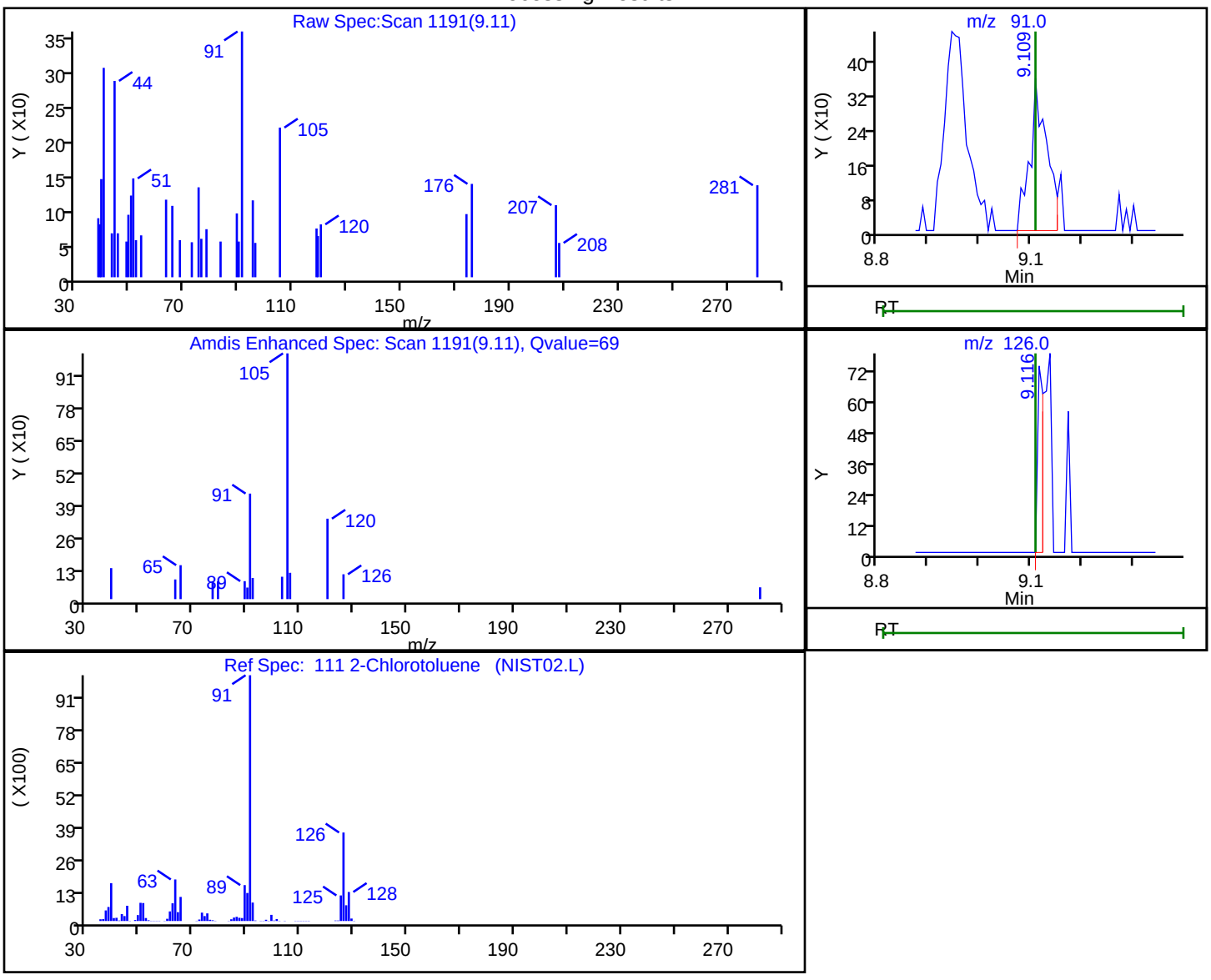
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

111 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
9.11	91.00	832	0.058396
9.12	126.00	59	

Reviewer: desais, 23-Aug-2019 09:40:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

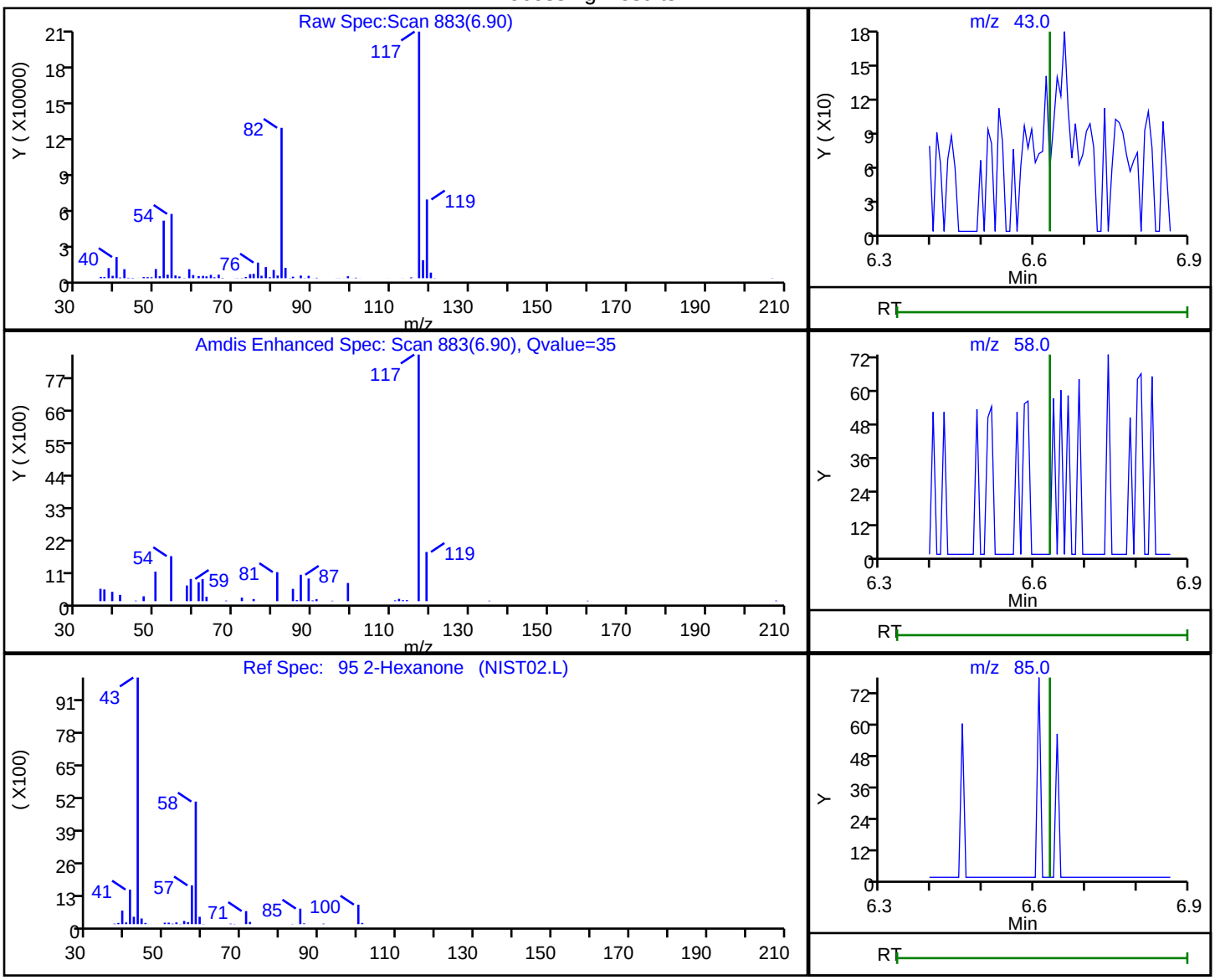
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

95 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
6.90	43.00	970	0.316053
6.91	58.00	20377	
6.92	85.00	3708	
6.91	100.00	255	

Reviewer: desais, 23-Aug-2019 09:39:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

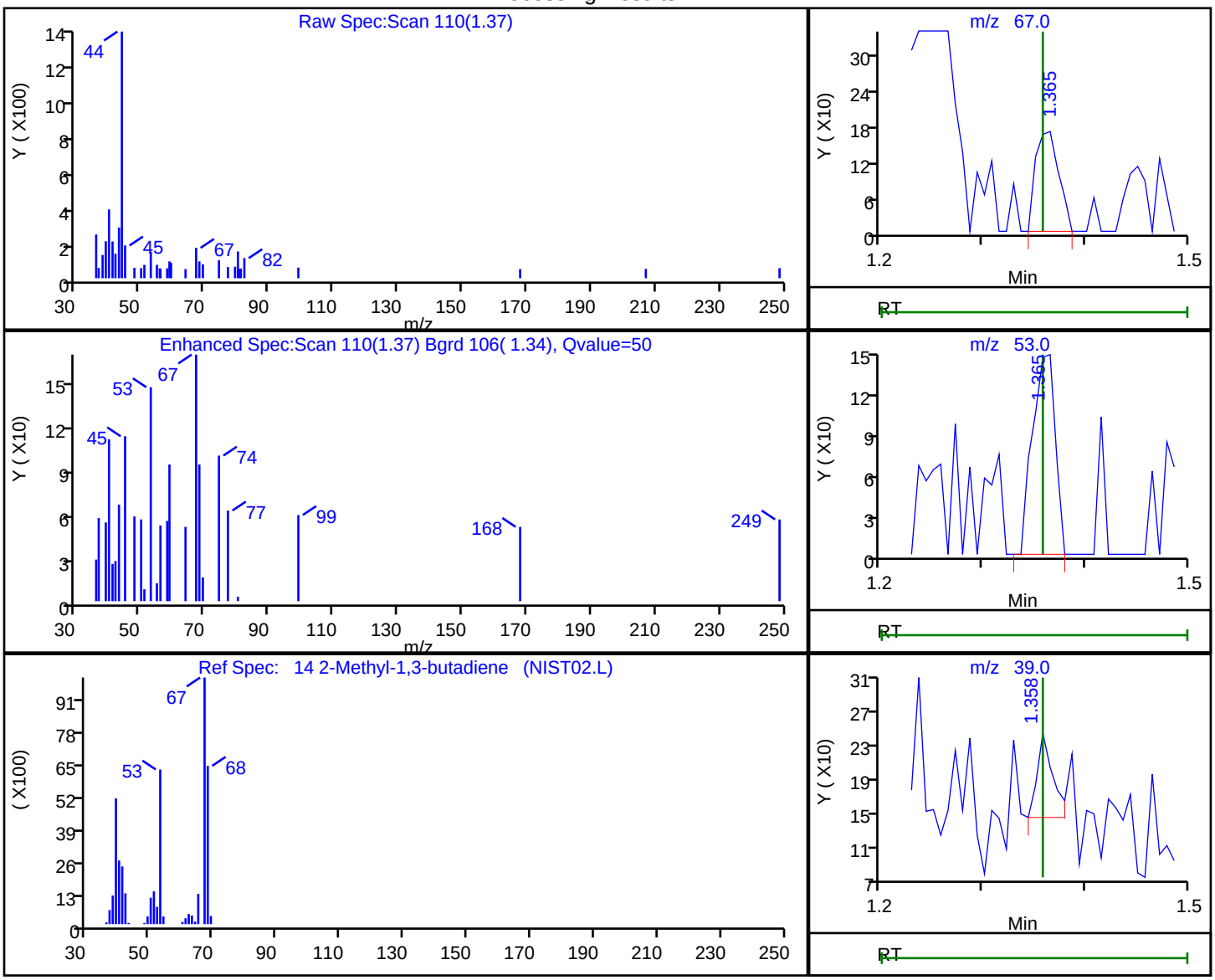
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
1.37	67.00	263	0.035428
1.37	53.00	224	
1.36	39.00	103	

Reviewer: desais, 23-Aug-2019 09:37:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

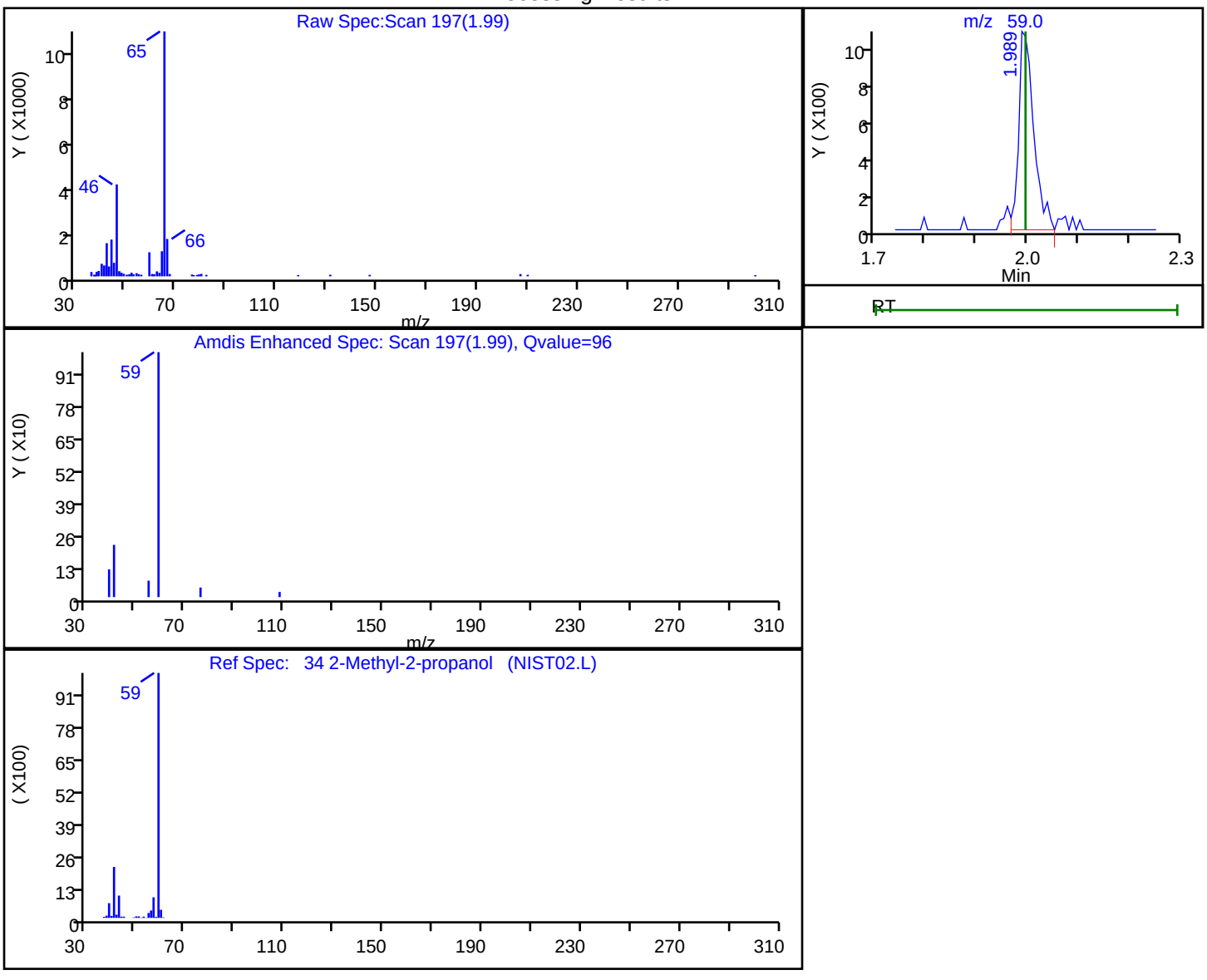
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

34 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
1.99	59.00	2139	6.289336

Reviewer: desais, 23-Aug-2019 09:38:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

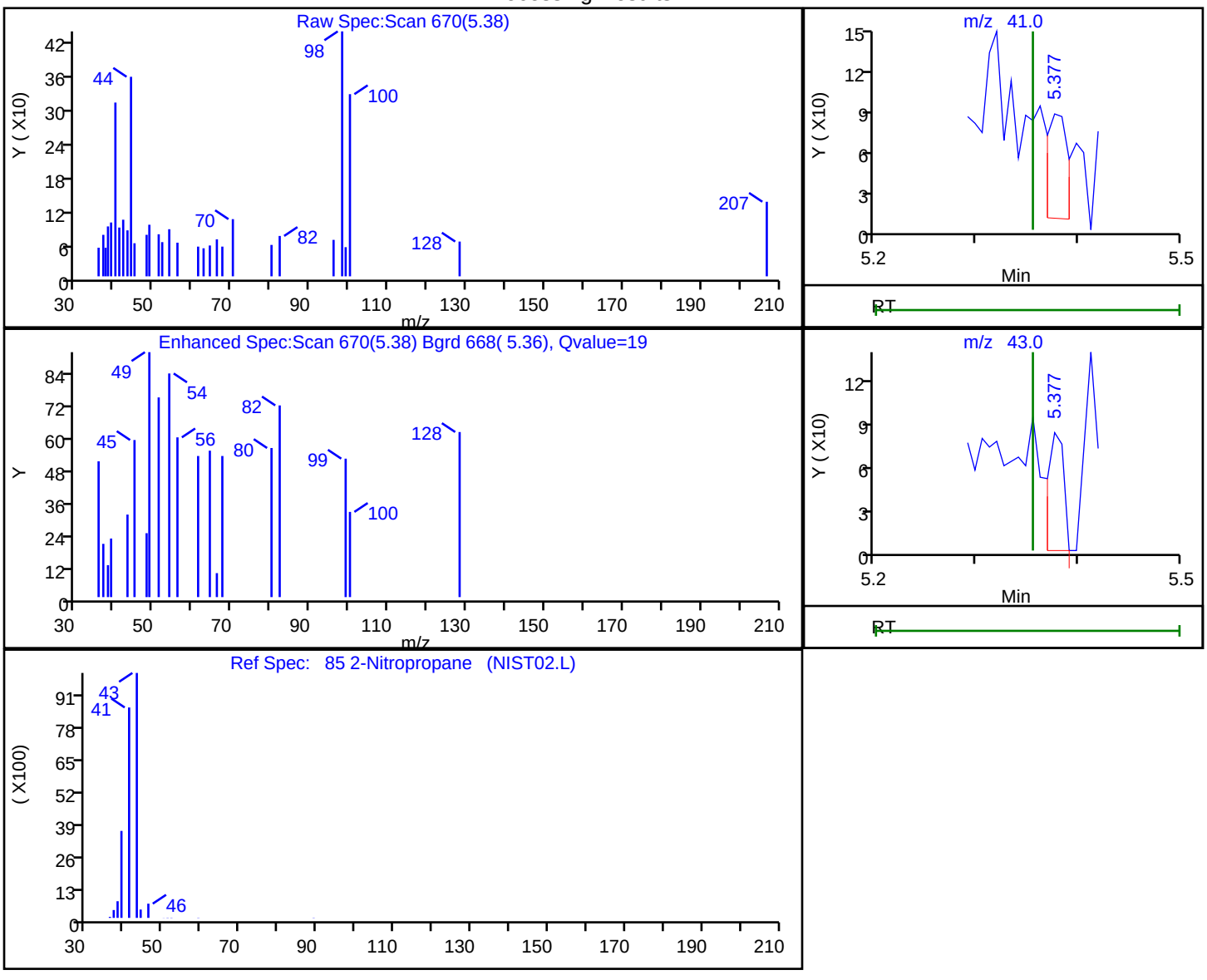
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

85 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
5.38	41.00	113	0.093384
5.38	43.00	89	

Reviewer: desais, 23-Aug-2019 09:39:09

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

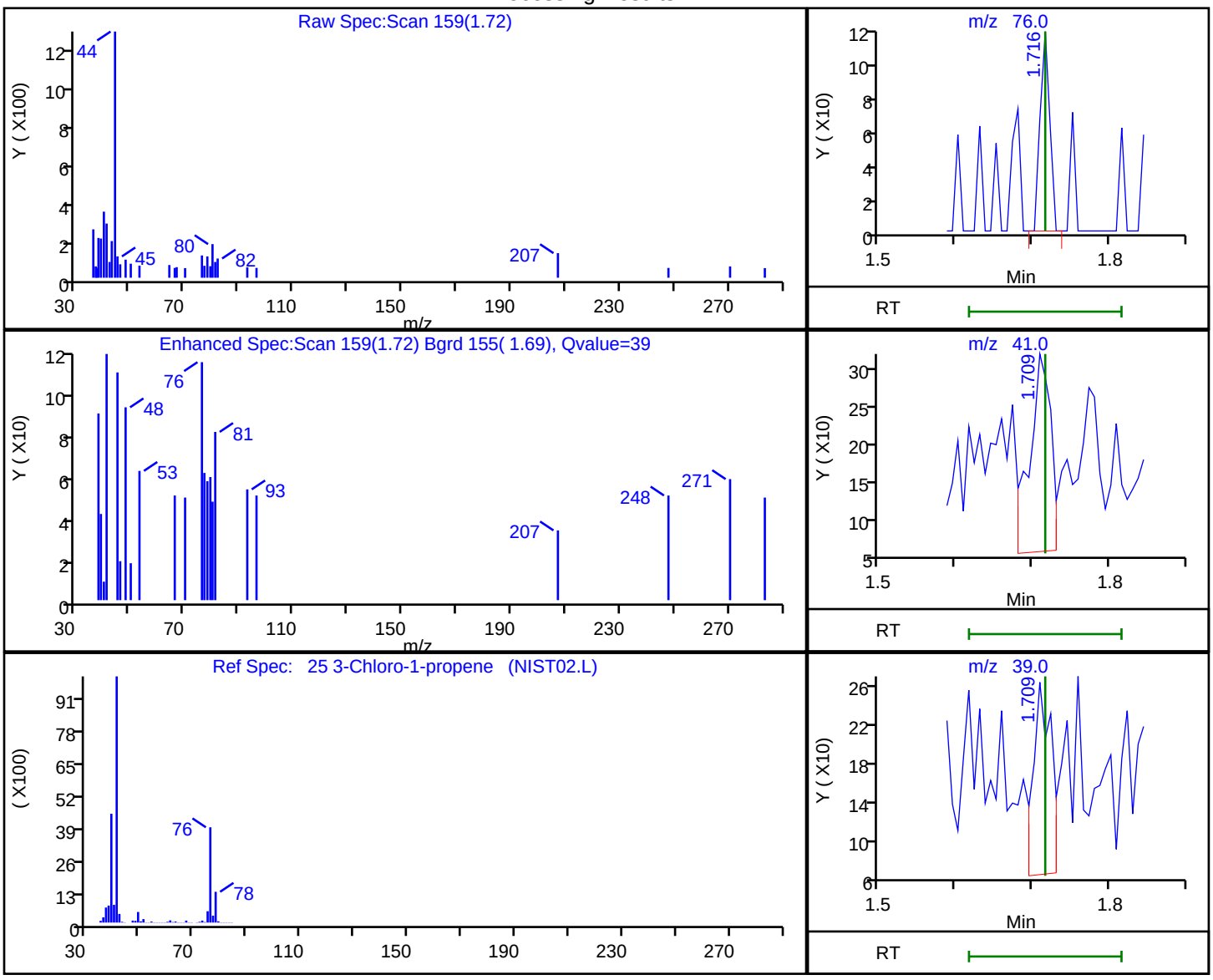
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
1.72	76.00	101	0.047001
1.71	41.00	499	
1.71	39.00	327	

Reviewer: desais, 23-Aug-2019 09:38:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

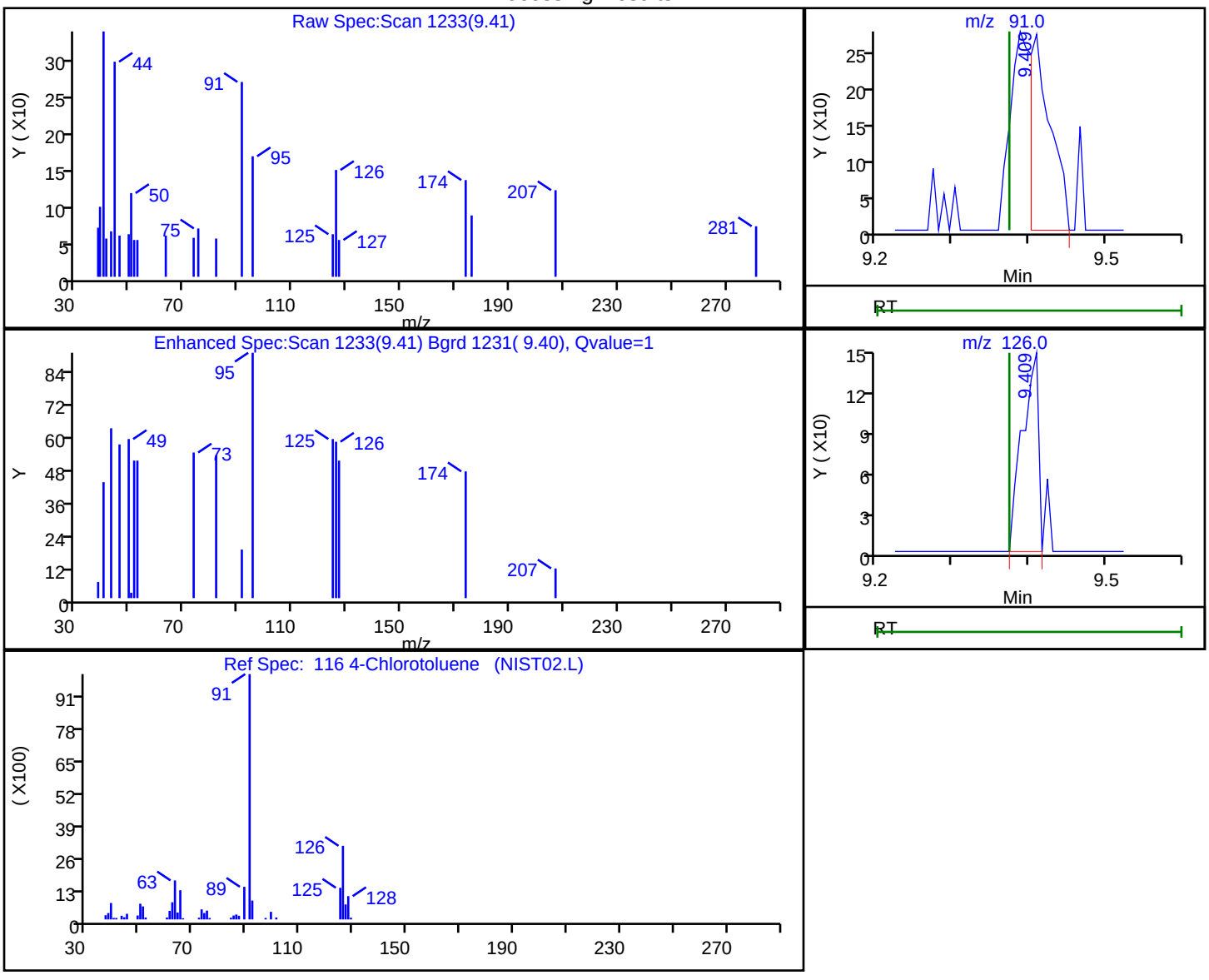
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

116 4-Chlorotoluene, CAS: 106-43-4

Processing Results



RT	Mass	Response	Amount
9.41	91.00	506	0.038970
9.41	126.00	217	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

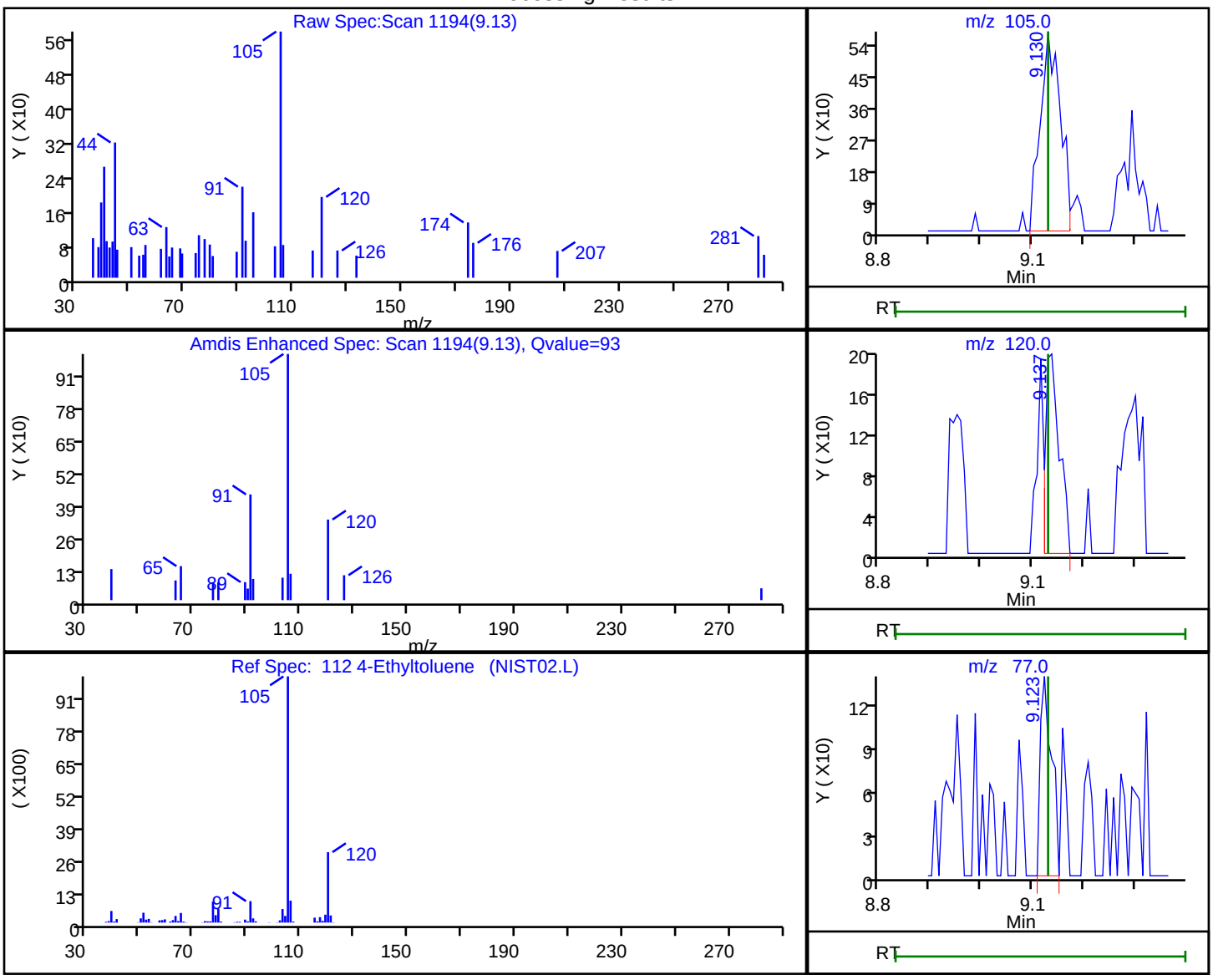
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

112 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
9.13	105.00	1587	0.100117
9.14	120.00	365	
9.12	77.00	208	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

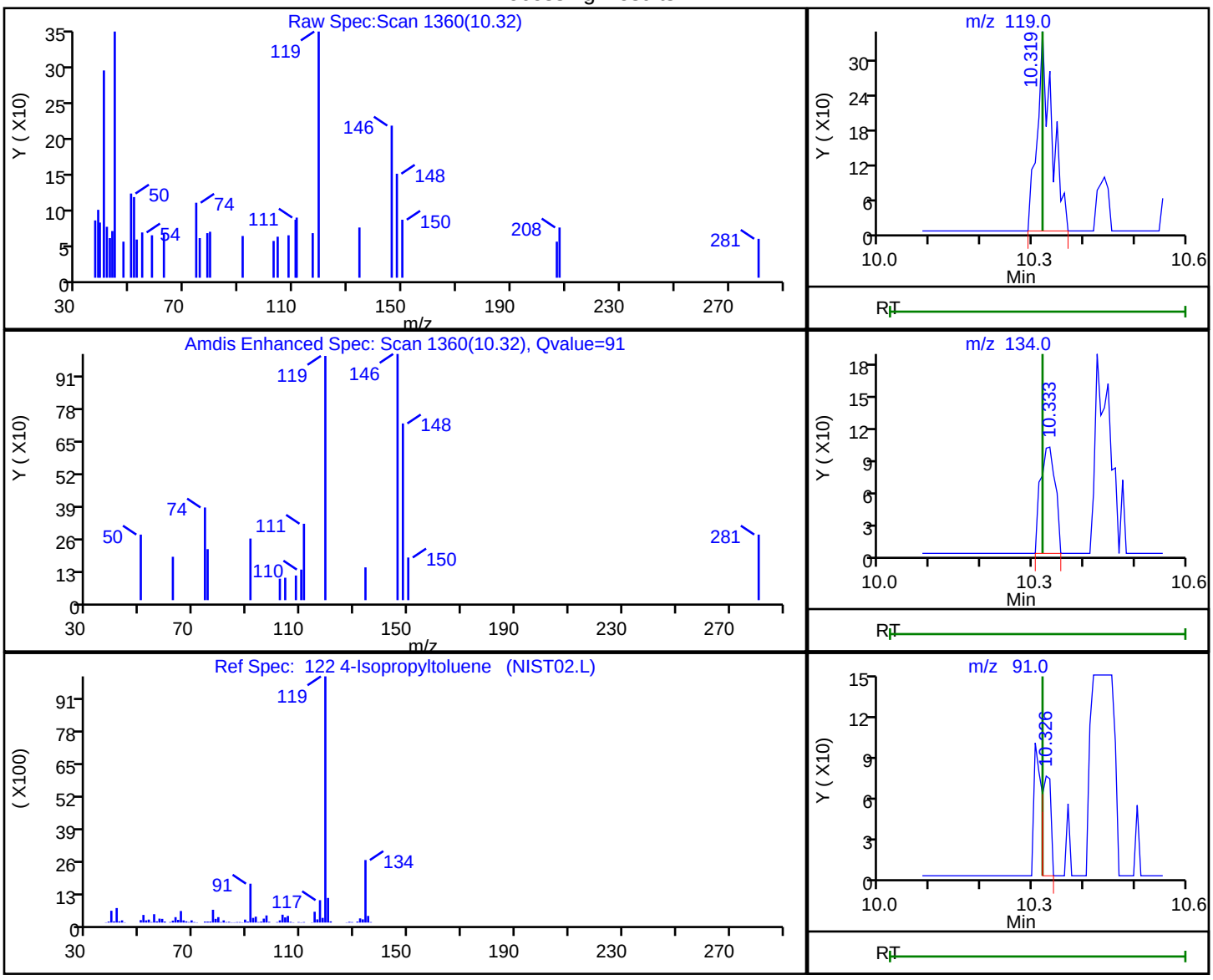
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

122 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.32	119.00	699	0.058350
10.33	134.00	196	
10.33	91.00	86	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

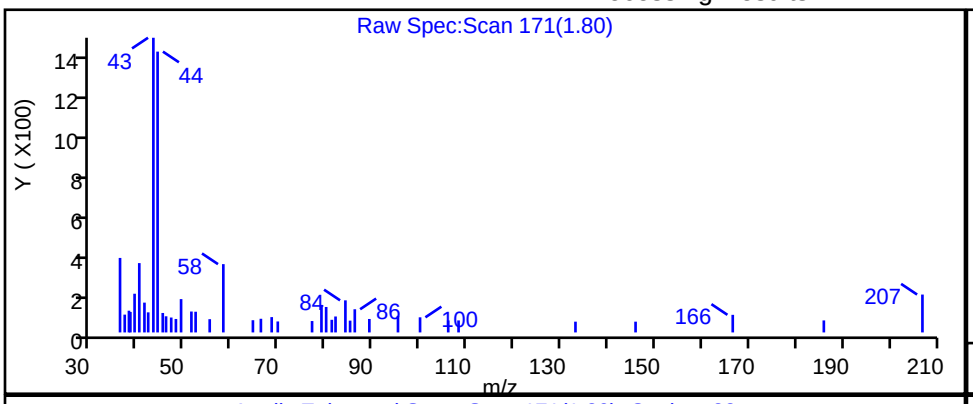
User Disabled Compound Report

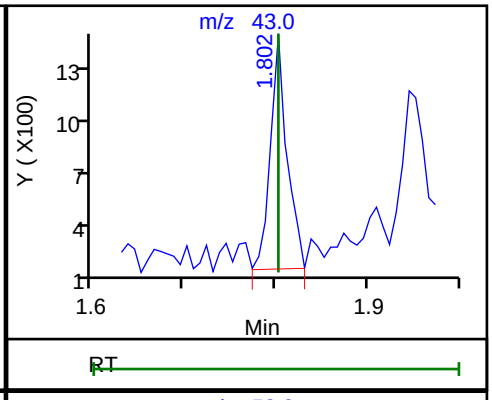
Eurofins TestAmerica, Edison

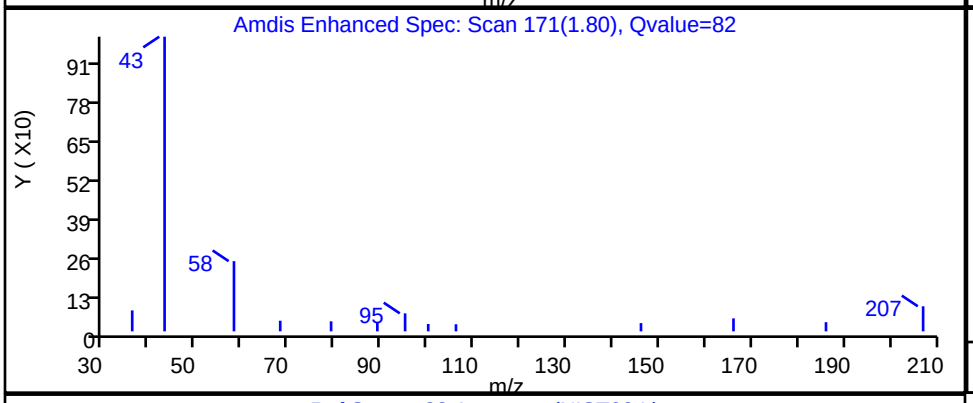
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

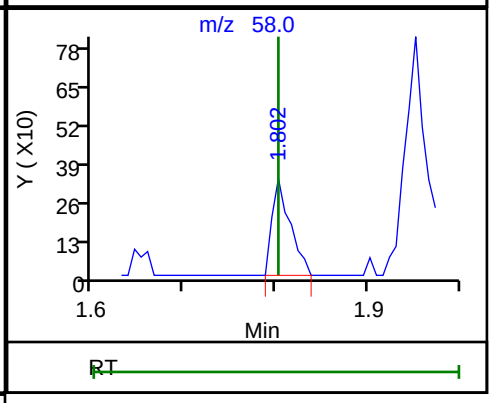
28 Acetone, CAS: 67-64-1

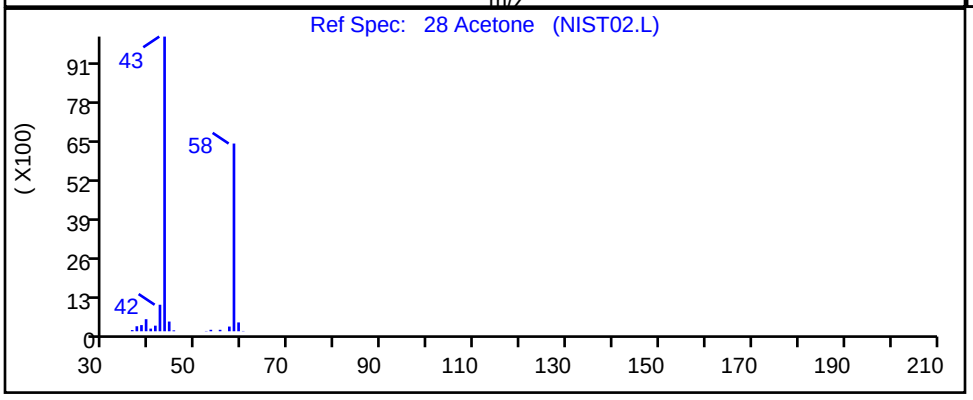
Processing Results











RT	Mass	Response	Amount
1.80	43.00	1589	1.023926
1.80	58.00	453	

Reviewer: desais, 23-Aug-2019 09:38:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

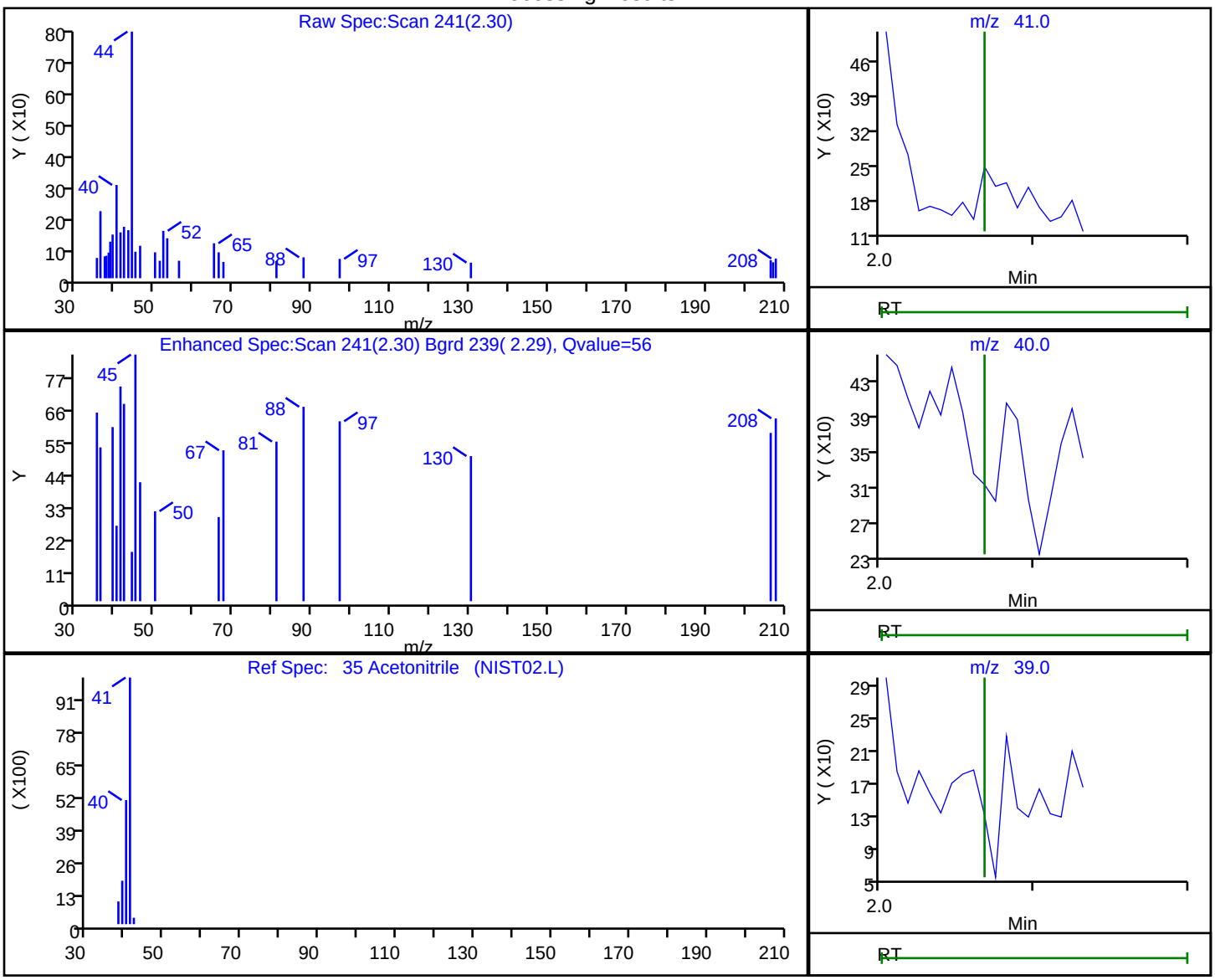
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

35 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.30	41.00	62	-0.630373
2.31	40.00	112	
2.32	39.00	165	
2.30	38.00	78	

Reviewer: desais, 23-Aug-2019 09:38:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

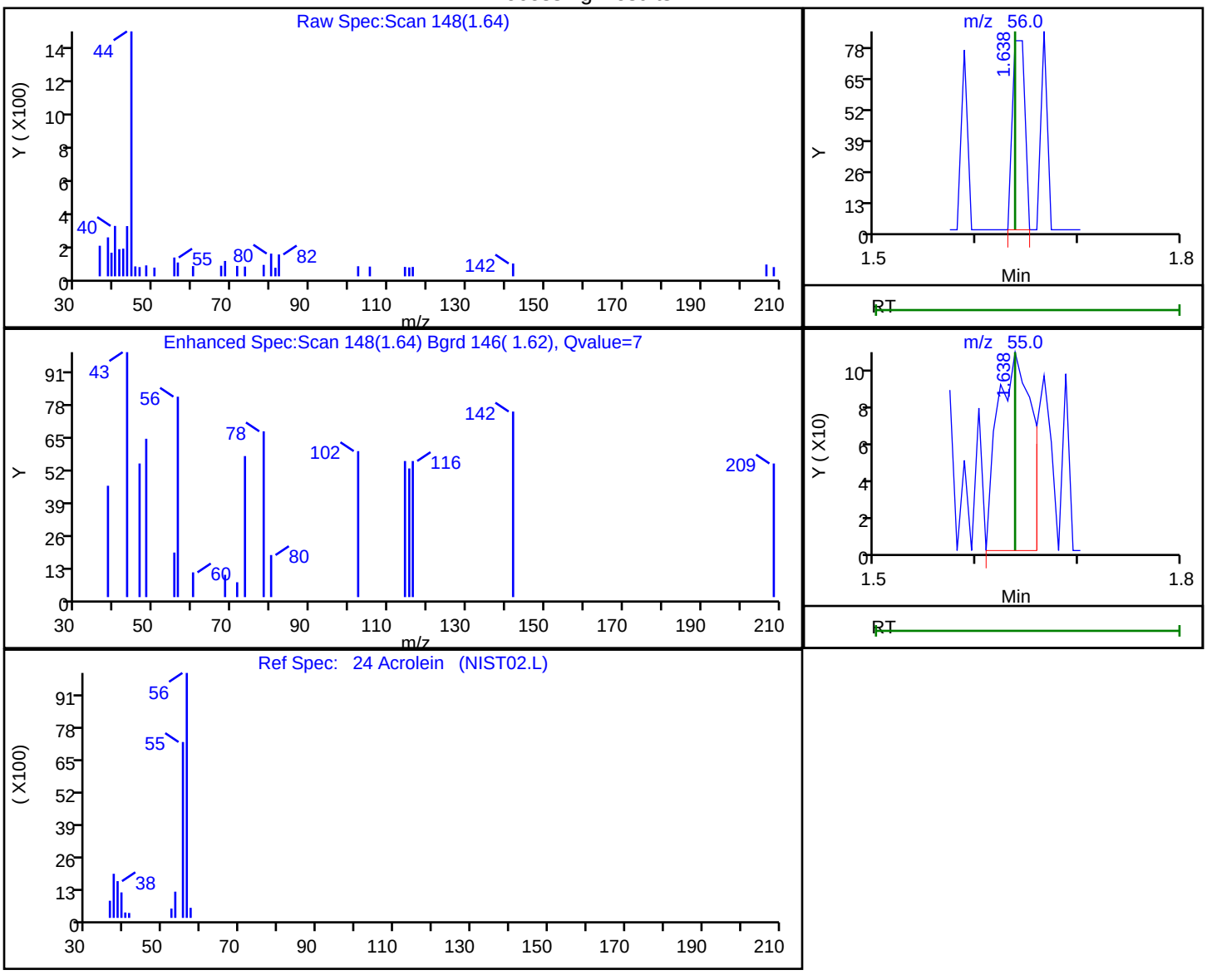
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
1.64	56.00	70	0.212956
1.64	55.00	257	

Reviewer: desais, 23-Aug-2019 09:37:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

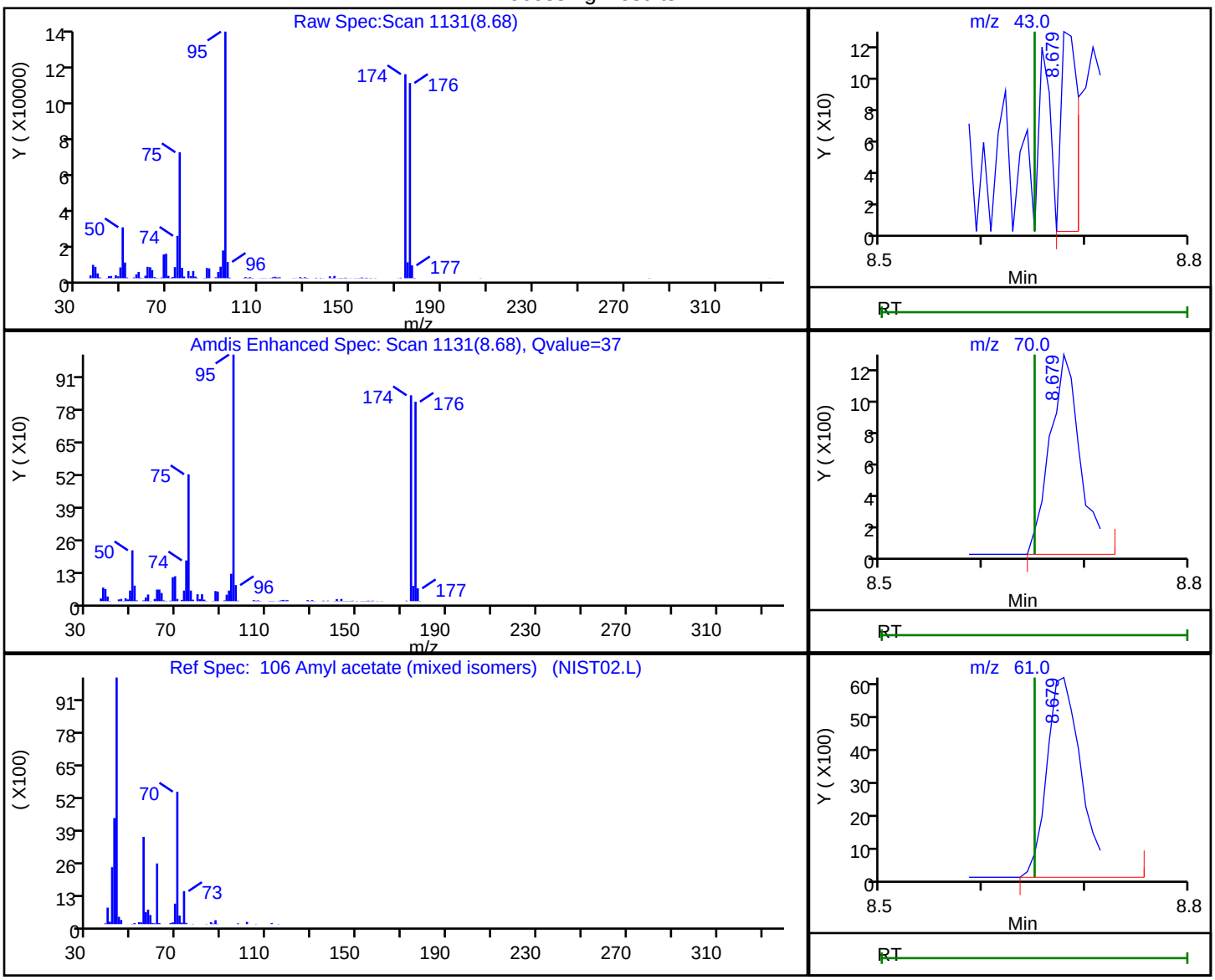
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

106 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results



RT	Mass	Response	Amount
8.68	43.00	146	0.021652
8.68	70.00	2639	
8.68	61.00	14927	

Reviewer: desais, 23-Aug-2019 09:40:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

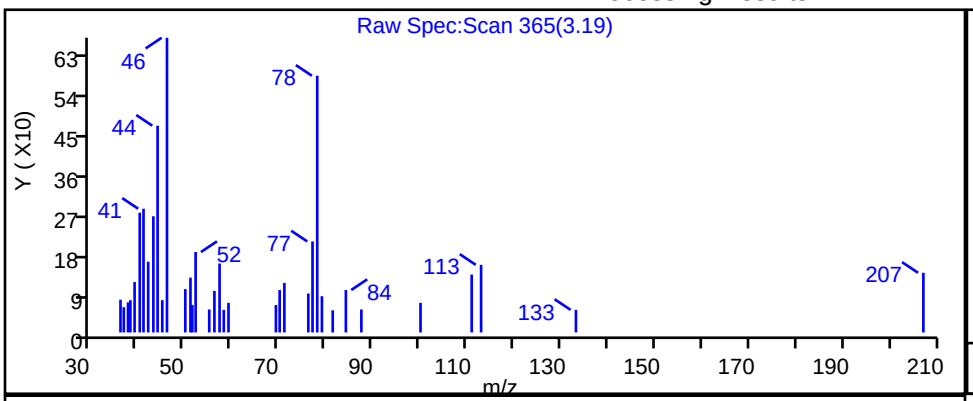
User Disabled Compound Report

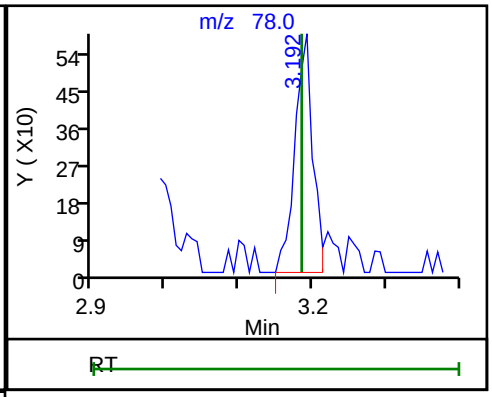
Eurofins TestAmerica, Edison

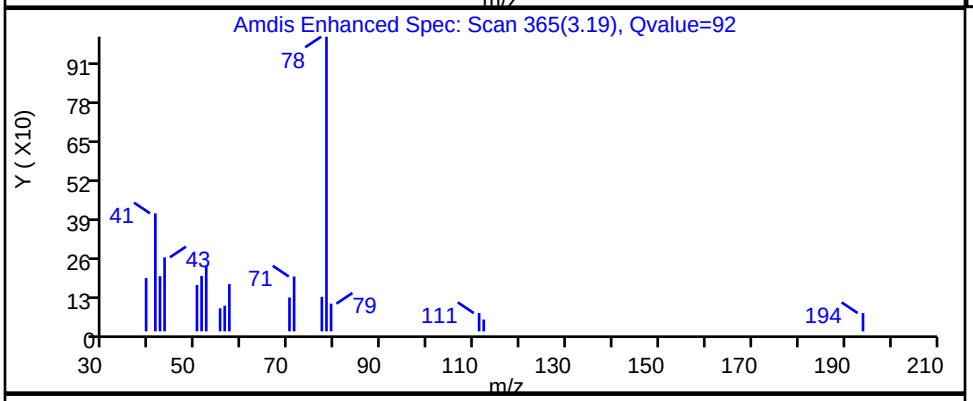
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

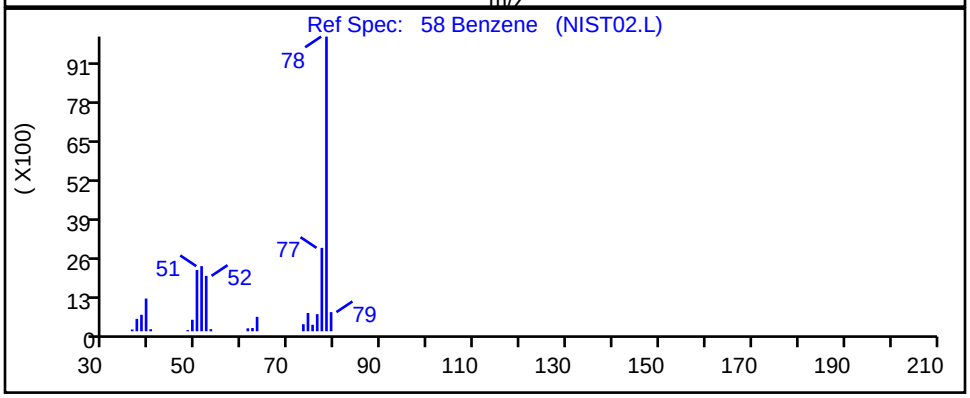
58 Benzene, CAS: 71-43-2

Processing Results









RT	Mass	Response	Amount
3.19	78.00	985	0.056612

Reviewer: desais, 23-Aug-2019 09:38:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

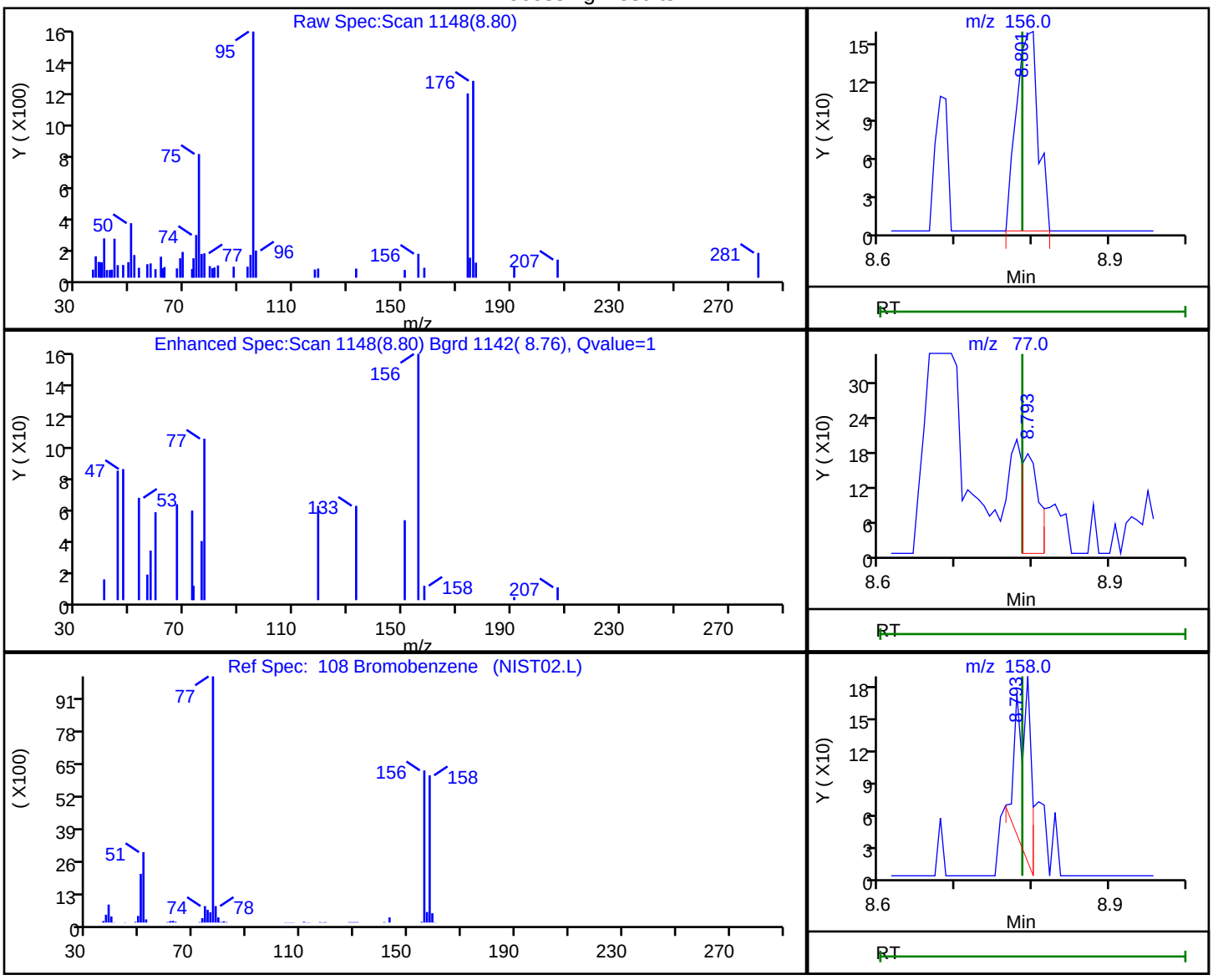
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

108 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
8.80	156.00	306	0.063826
8.79	77.00	281	
8.79	158.00	199	

Reviewer: desais, 23-Aug-2019 09:40:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

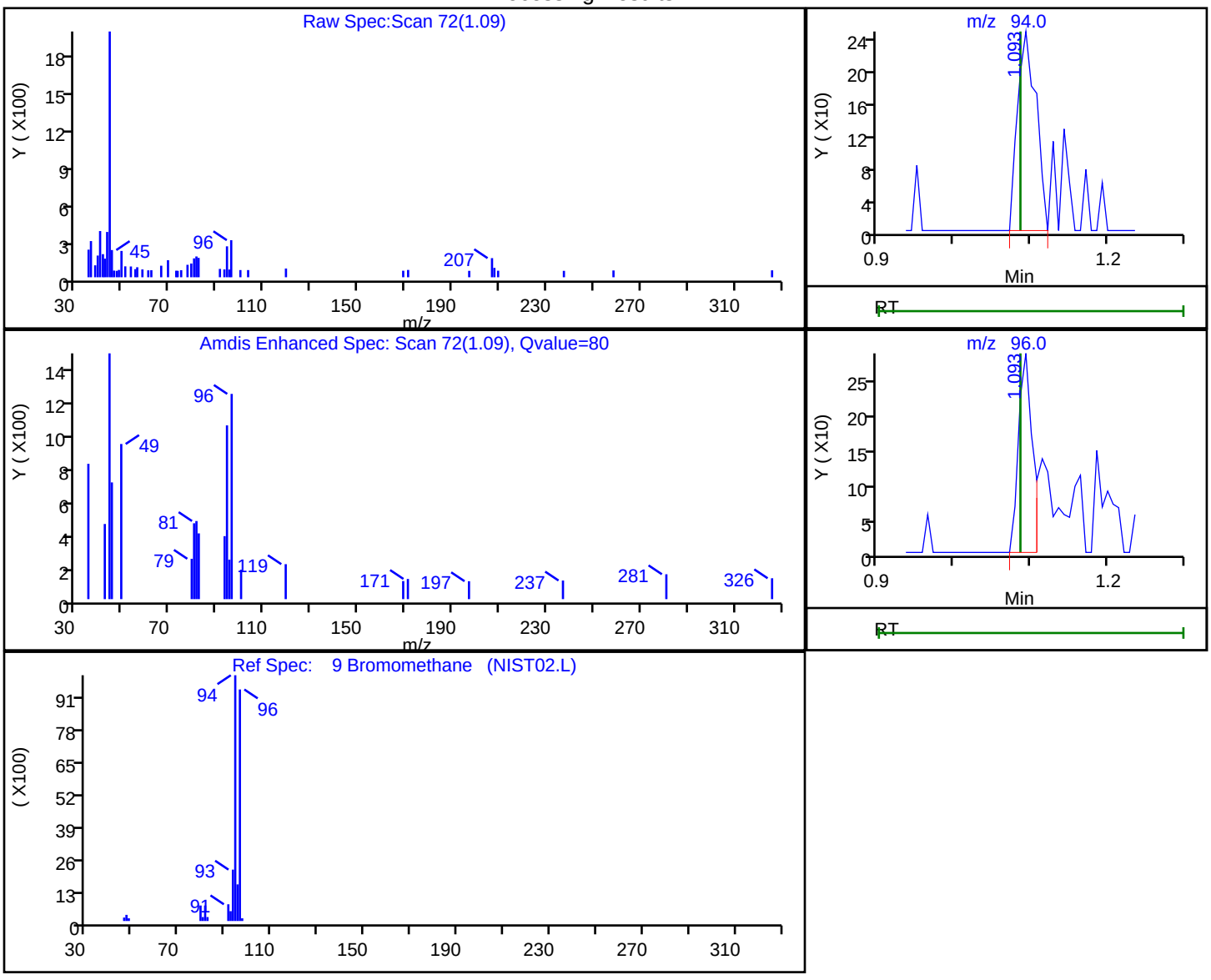
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.09	94.00	408	0.077850
1.09	96.00	370	

Reviewer: desais, 23-Aug-2019 09:37:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

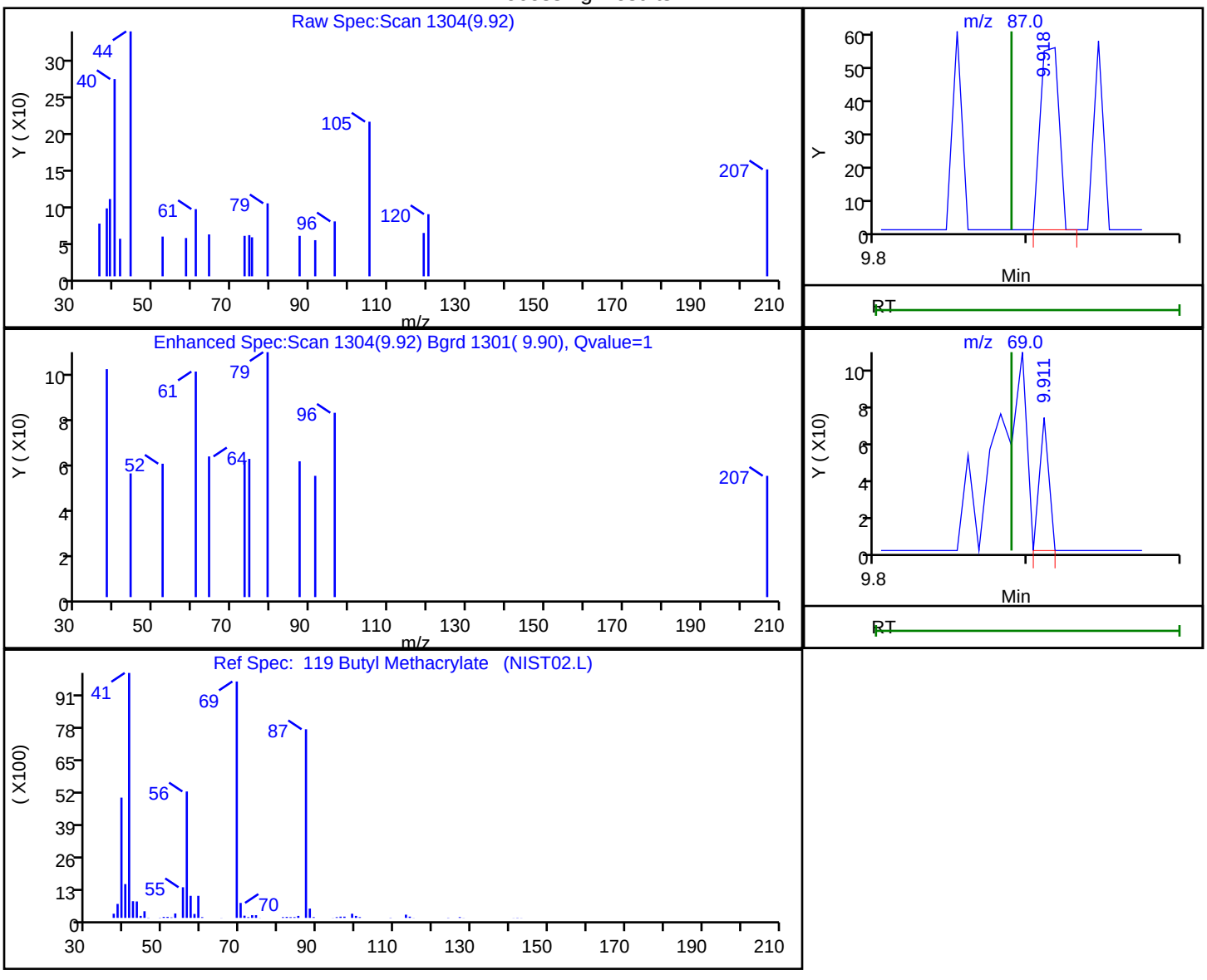
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
9.92	87.00	48	0.008435
9.91	69.00	30	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

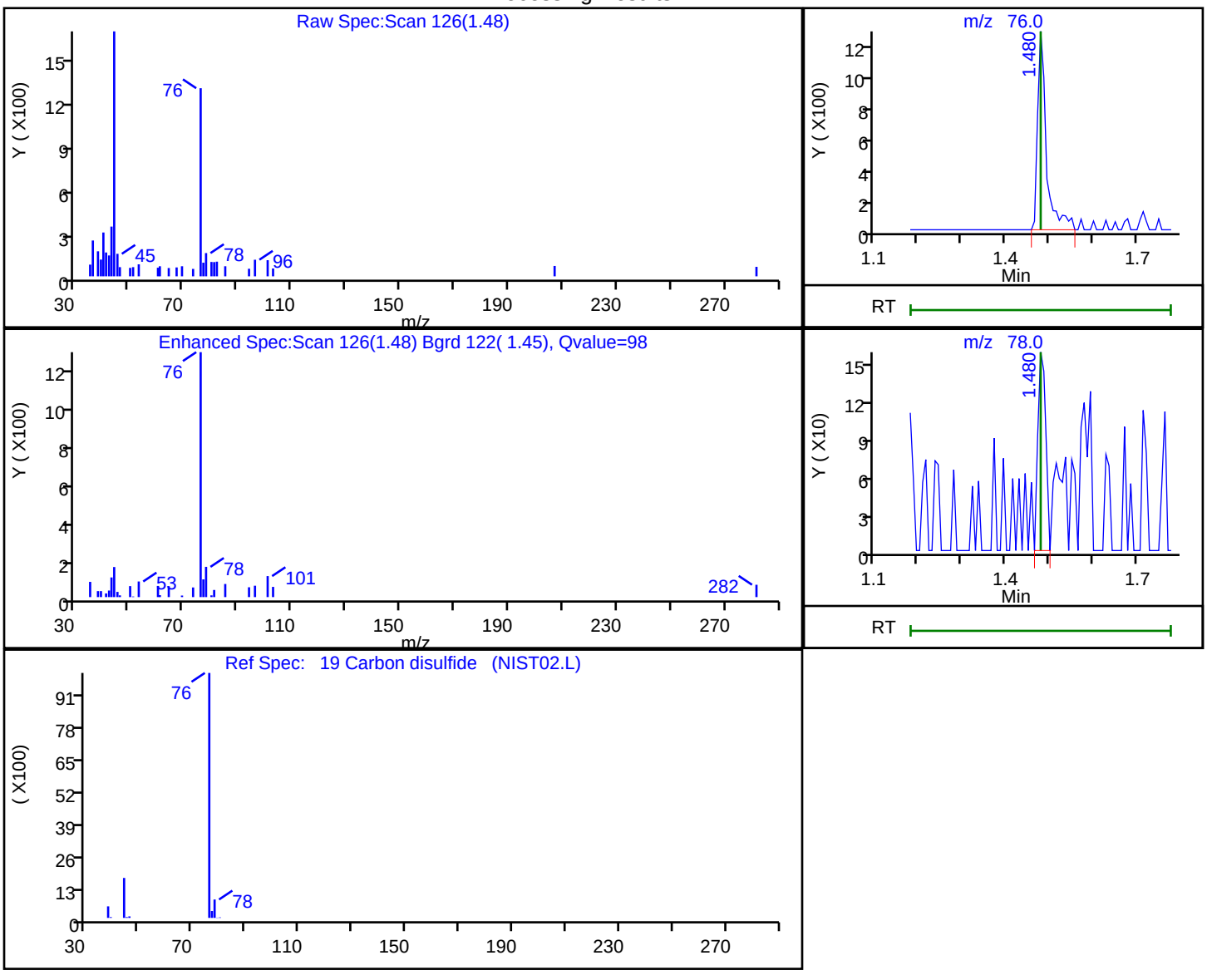
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
1.48	76.00	1801	0.104344
1.48	78.00	197	

Reviewer: desais, 23-Aug-2019 09:37:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

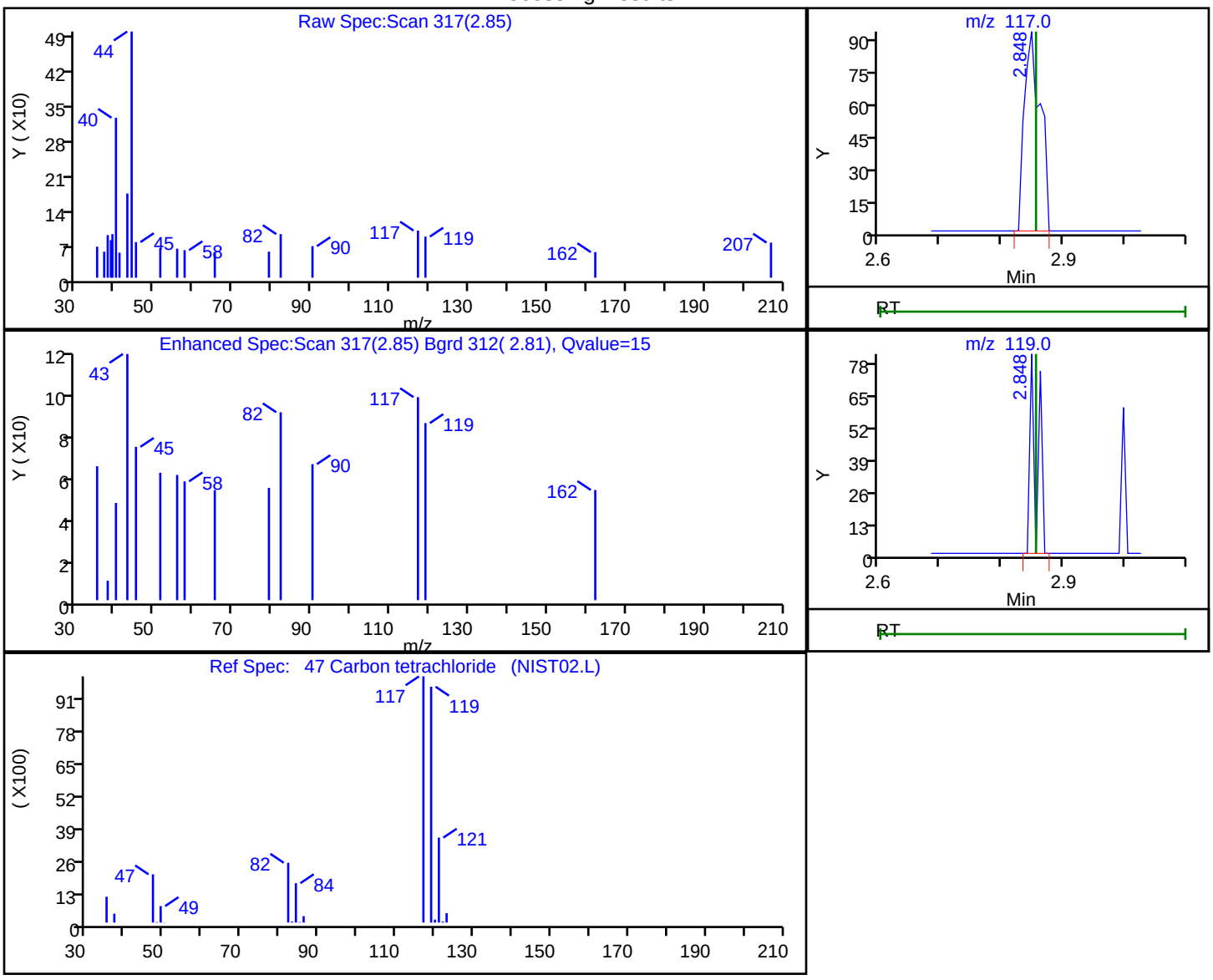
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

47 Carbon tetrachloride, CAS: 56-23-5

Processing Results



RT	Mass	Response	Amount
2.85	117.00	170	0.026566
2.85	119.00	67	

Reviewer: desais, 23-Aug-2019 09:38:39

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

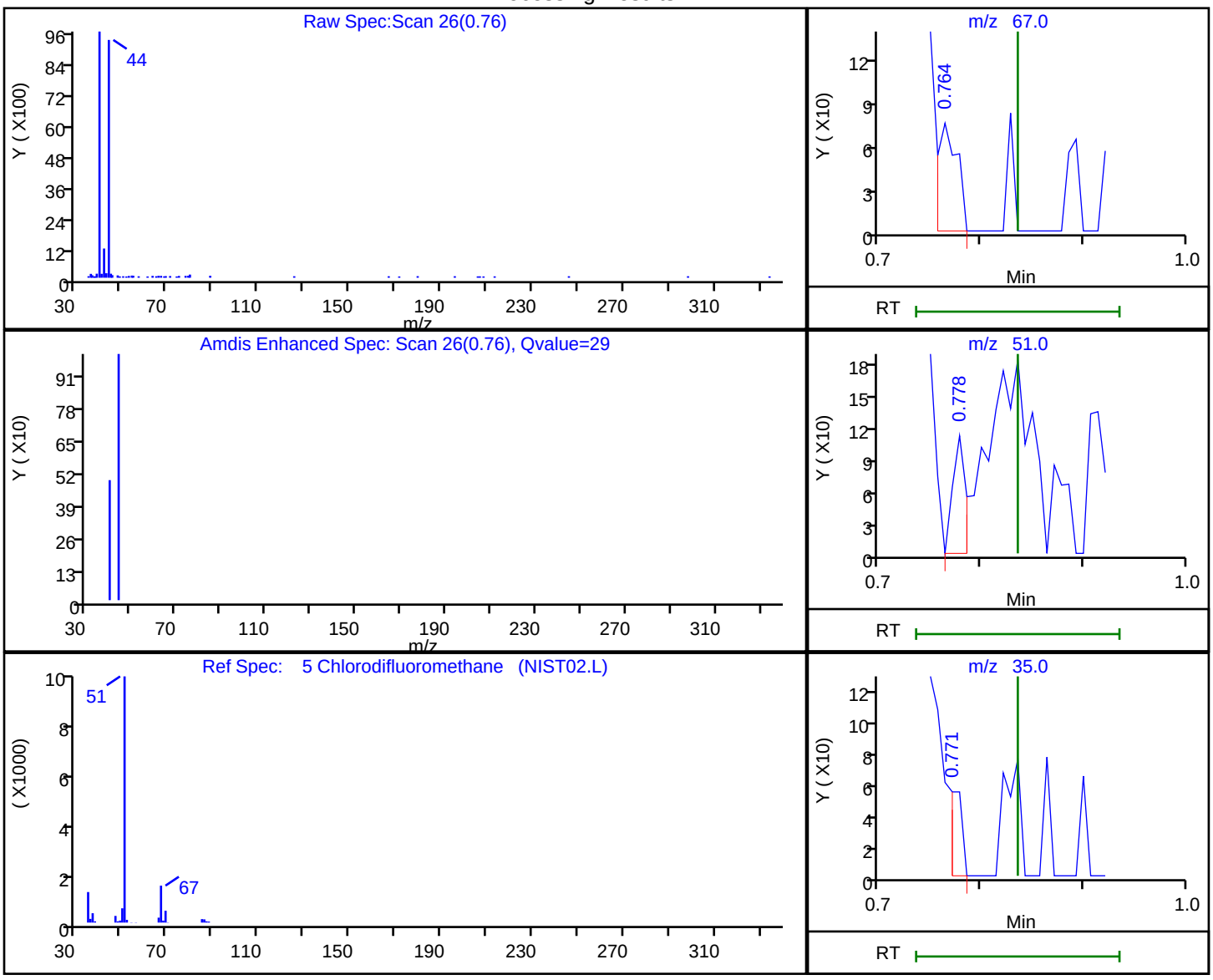
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
0.76	67.00	99	0.100735
0.78	51.00	98	
0.77	35.00	46	

Reviewer: desais, 23-Aug-2019 09:37:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

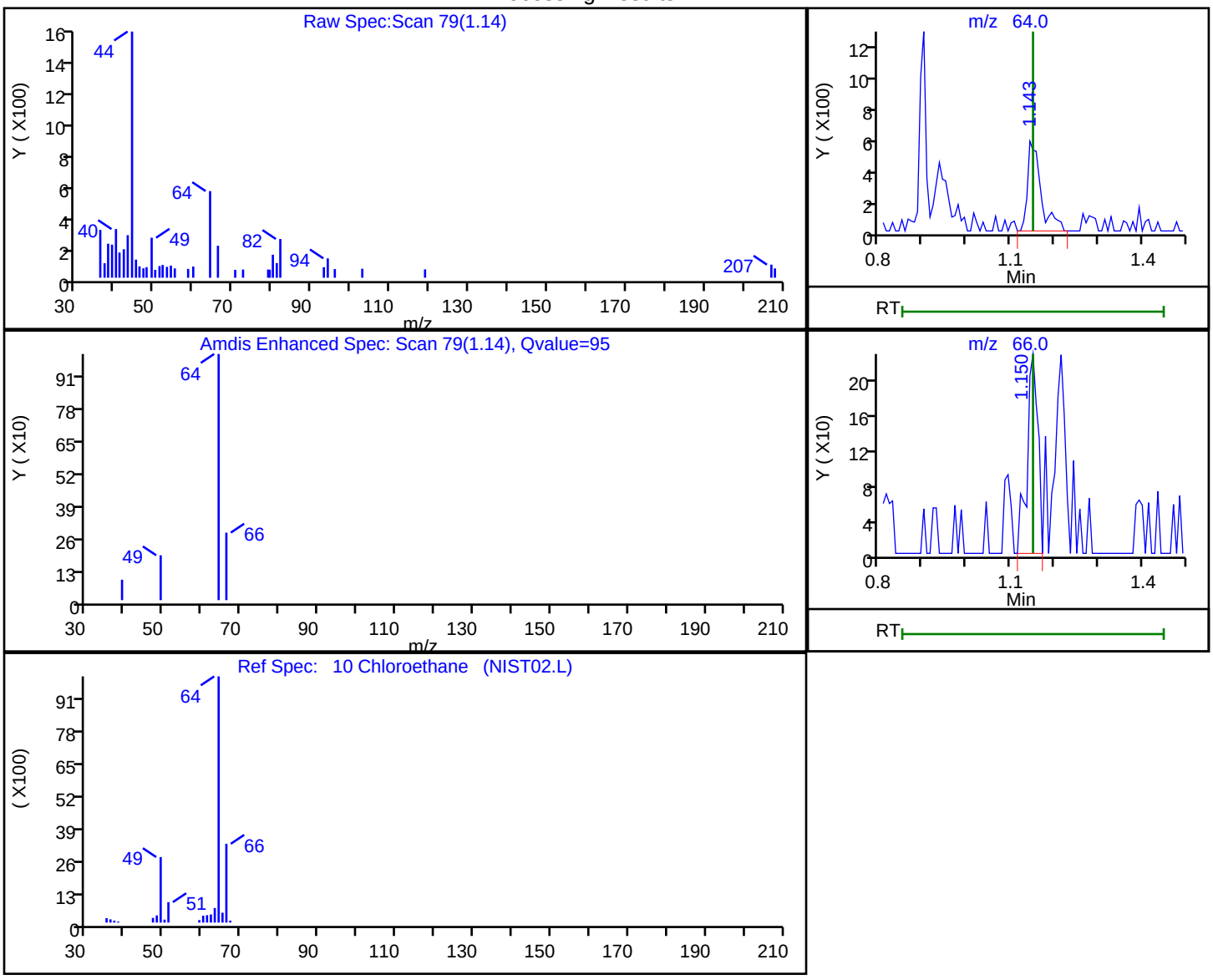
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.14	64.00	1171	0.198452
1.15	66.00	392	

Reviewer: desais, 23-Aug-2019 09:37:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

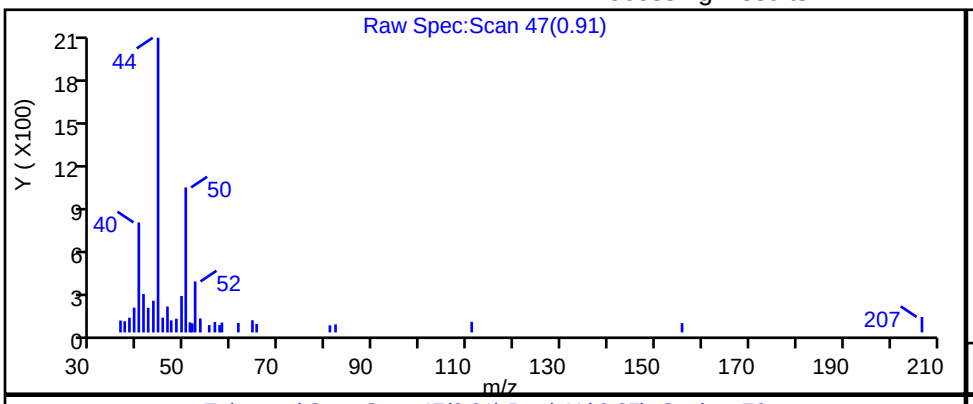
User Disabled Compound Report

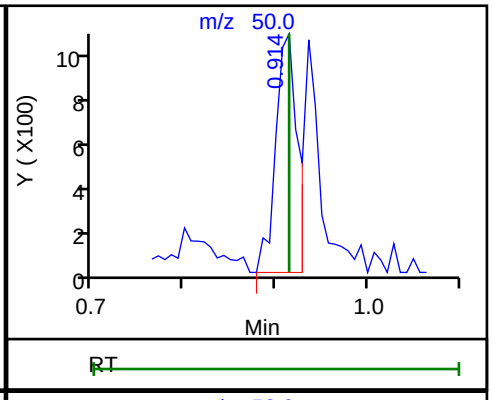
Eurofins TestAmerica, Edison

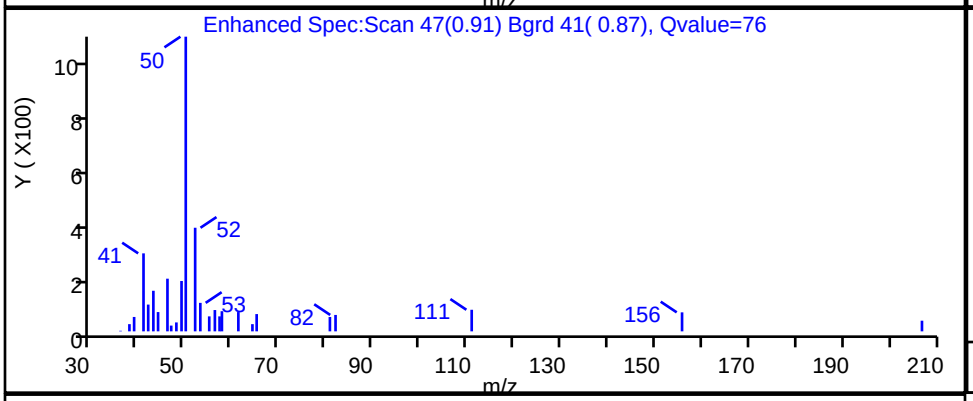
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

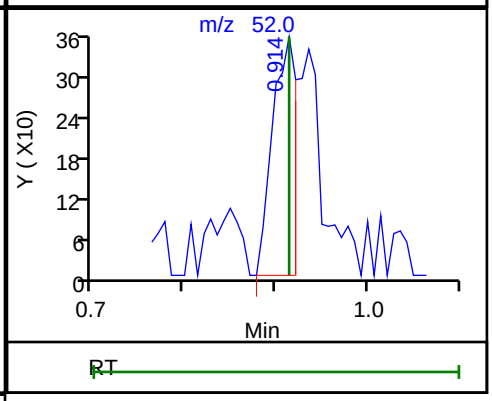
6 Chloromethane, CAS: 74-87-3

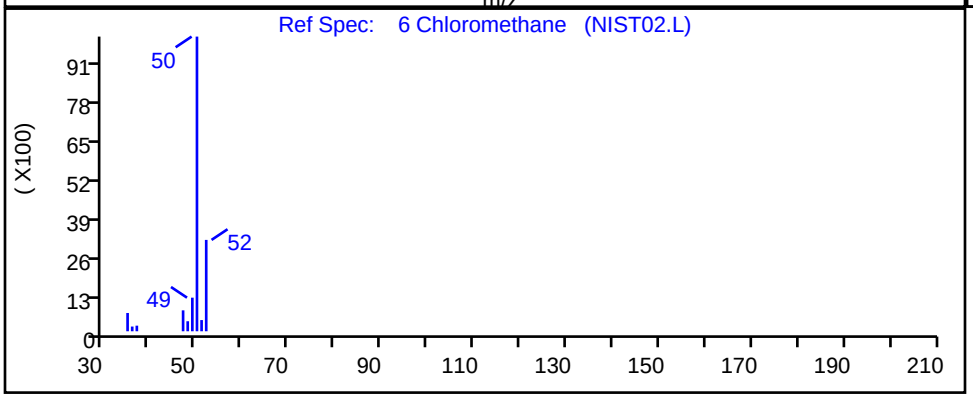
Processing Results











RT	Mass	Response	Amount
0.91	50.00	1694	0.338955
0.91	52.00	645	

Reviewer: desais, 23-Aug-2019 09:37:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

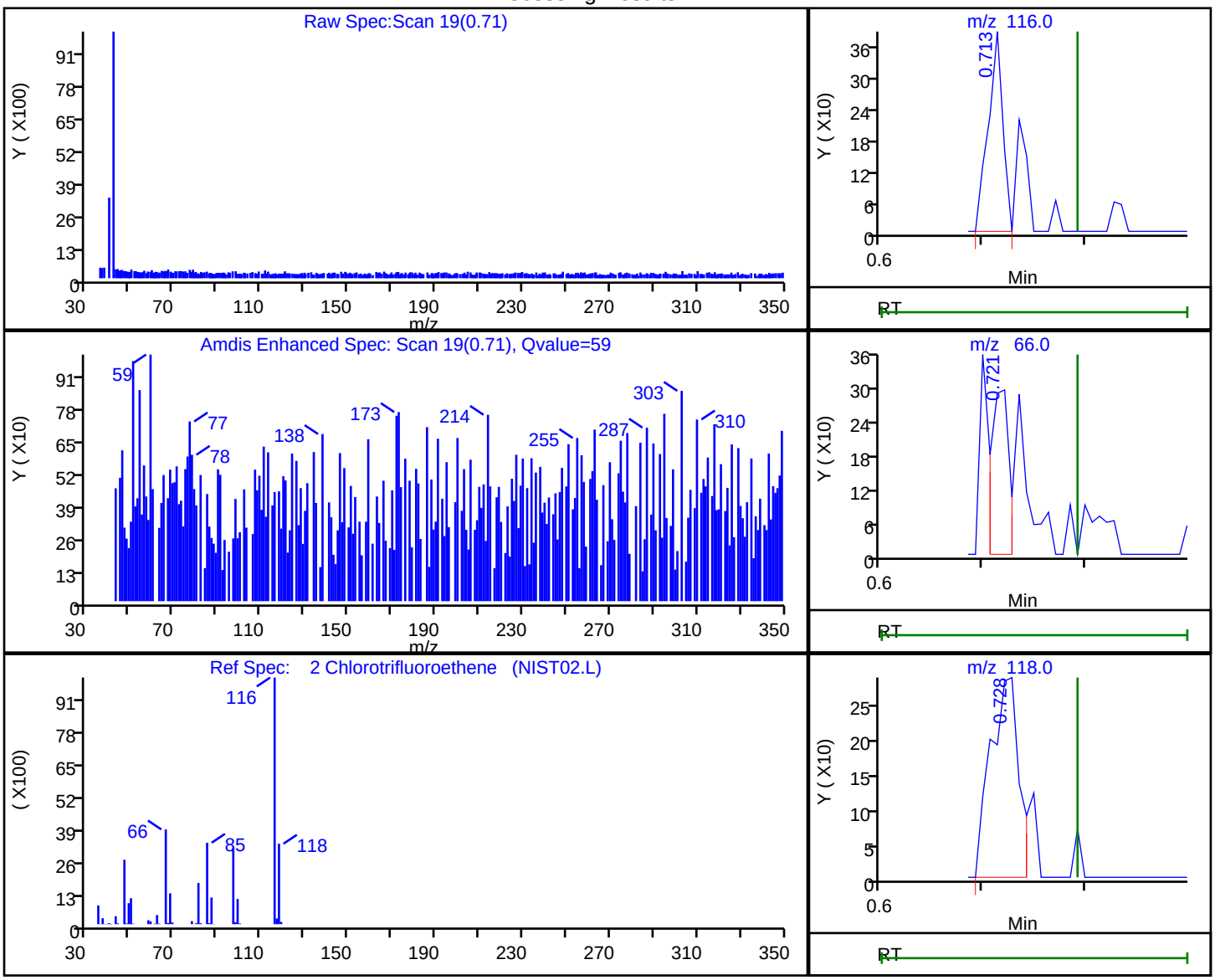
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
0.71	116.00	386	0.170623
0.72	66.00	370	
0.73	118.00	547	

Reviewer: desais, 23-Aug-2019 09:37:32

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

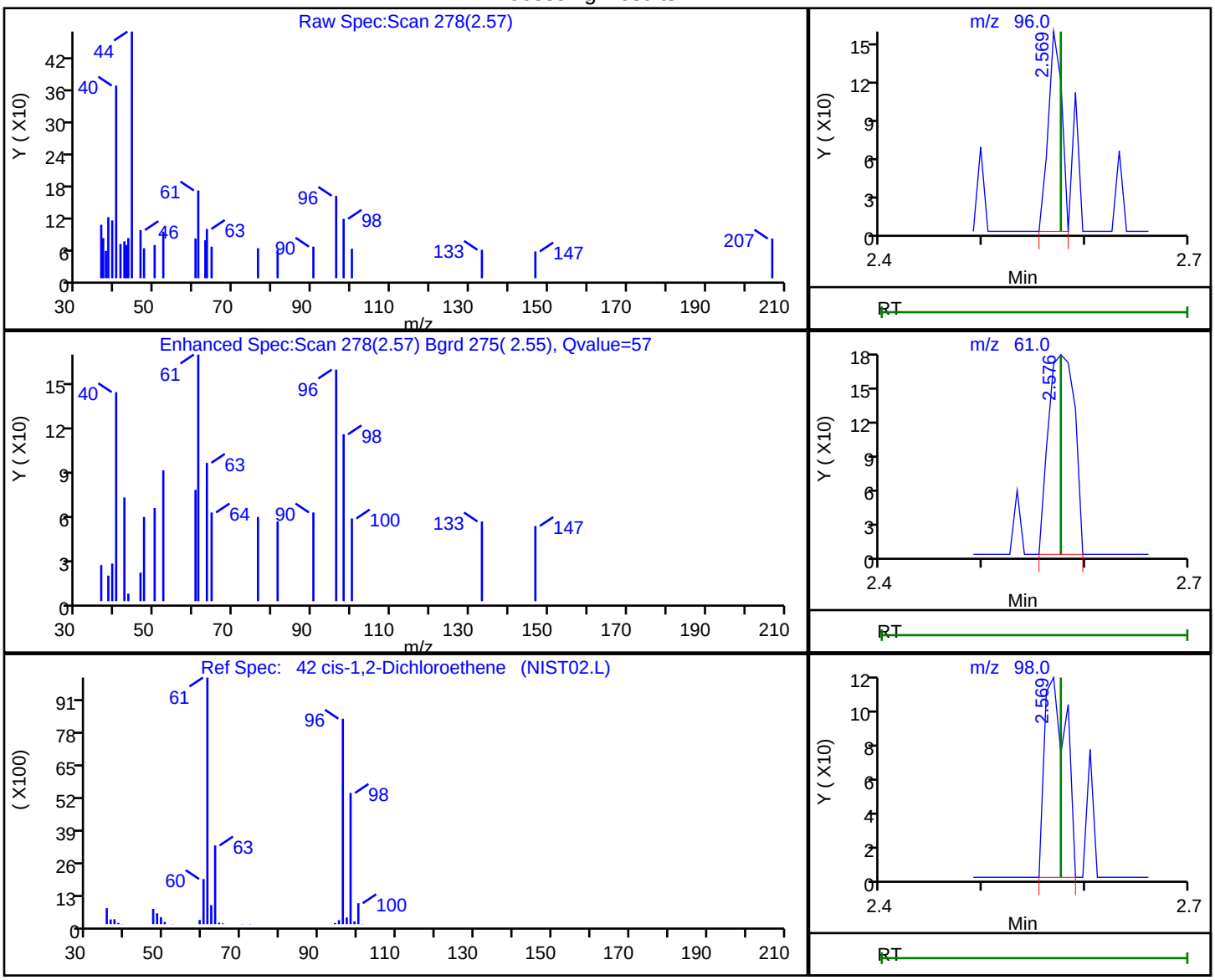
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
2.57	96.00	141	0.031482
2.58	61.00	308	
2.57	98.00	163	

Reviewer: desais, 23-Aug-2019 09:38:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

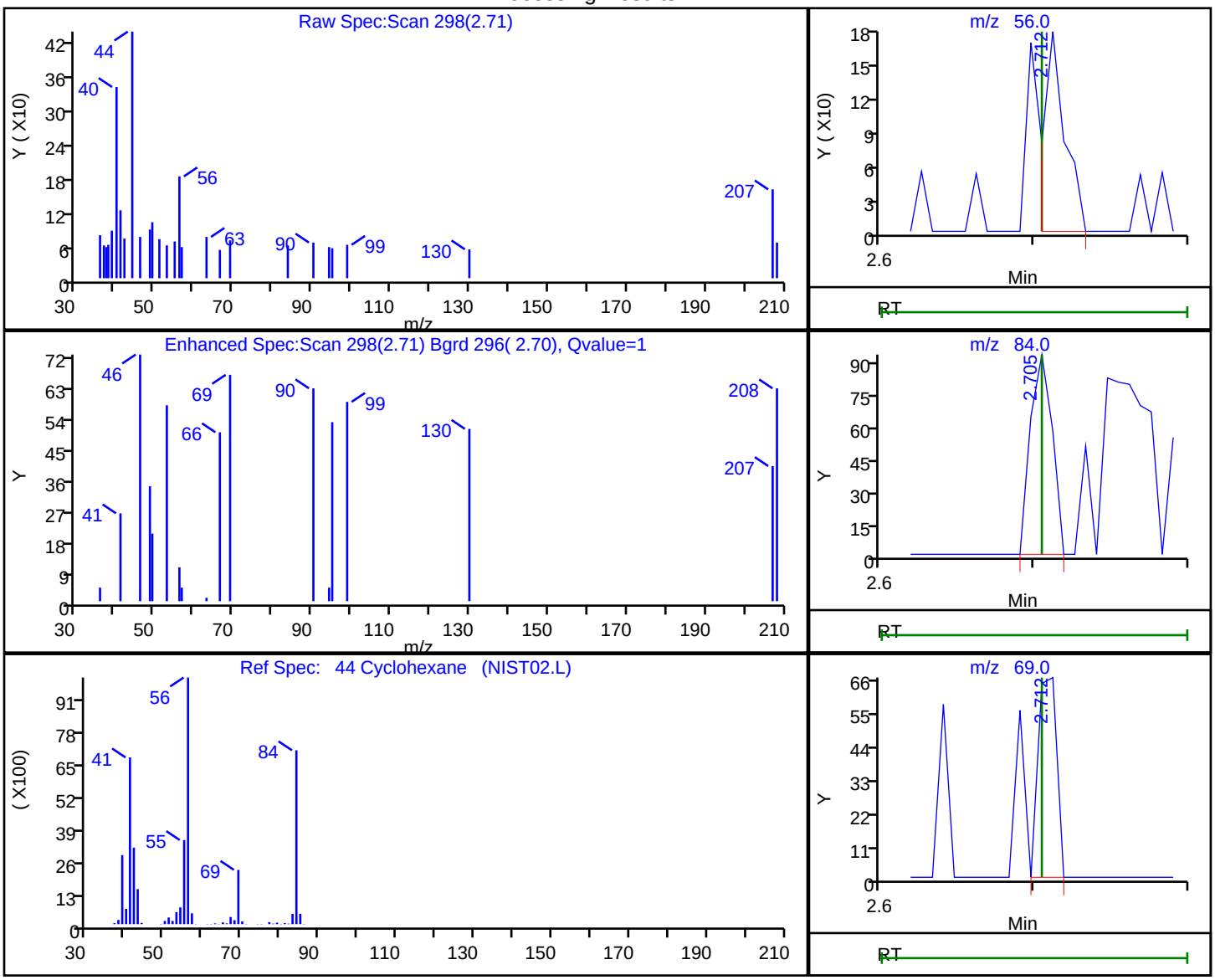
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
2.71	56.00	173	0.028448
2.70	84.00	93	
2.71	69.00	57	

Reviewer: desais, 23-Aug-2019 09:38:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

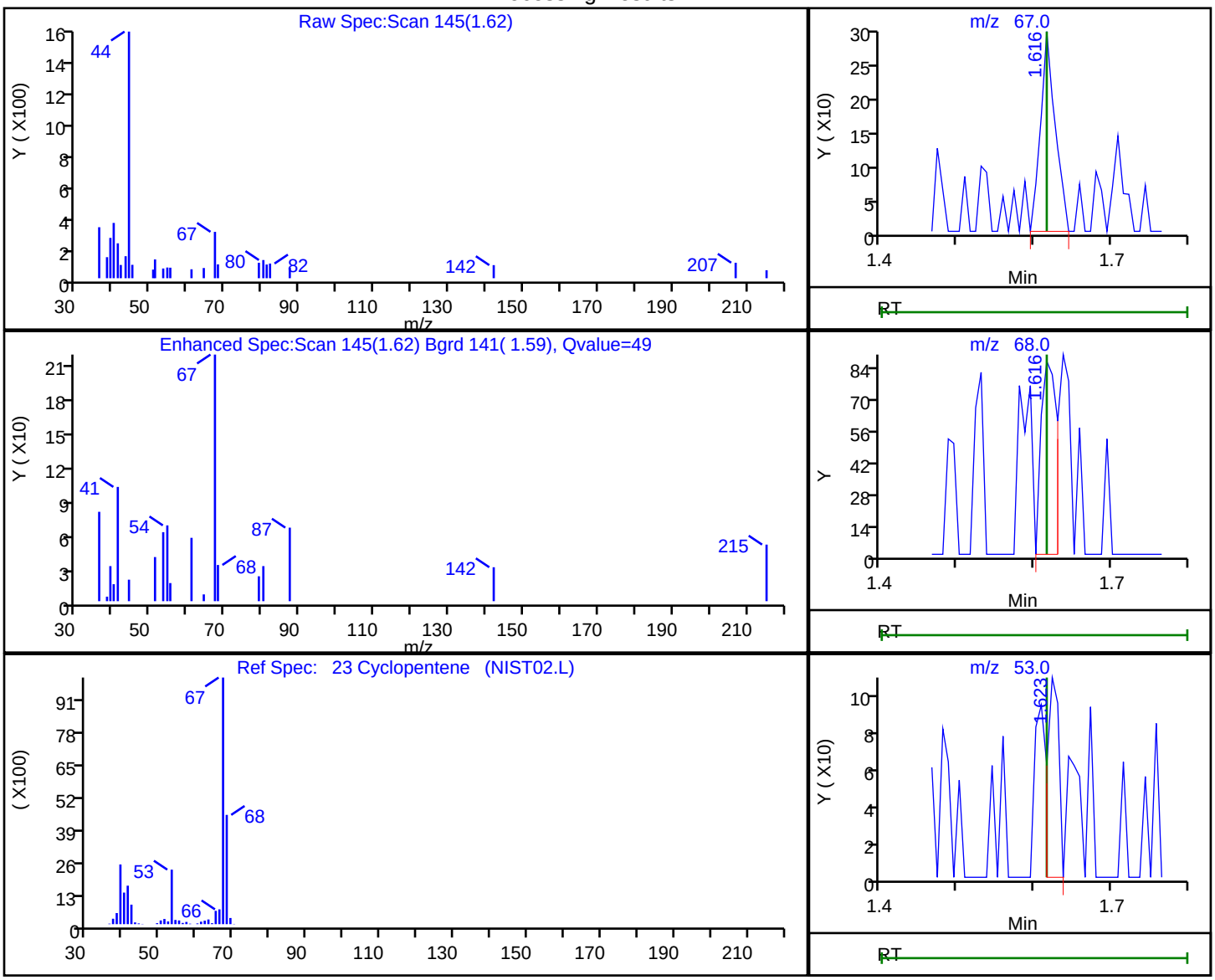
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

23 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
1.62	67.00	389	0.031209
1.62	68.00	125	
1.62	53.00	114	

Reviewer: desais, 23-Aug-2019 09:37:43

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

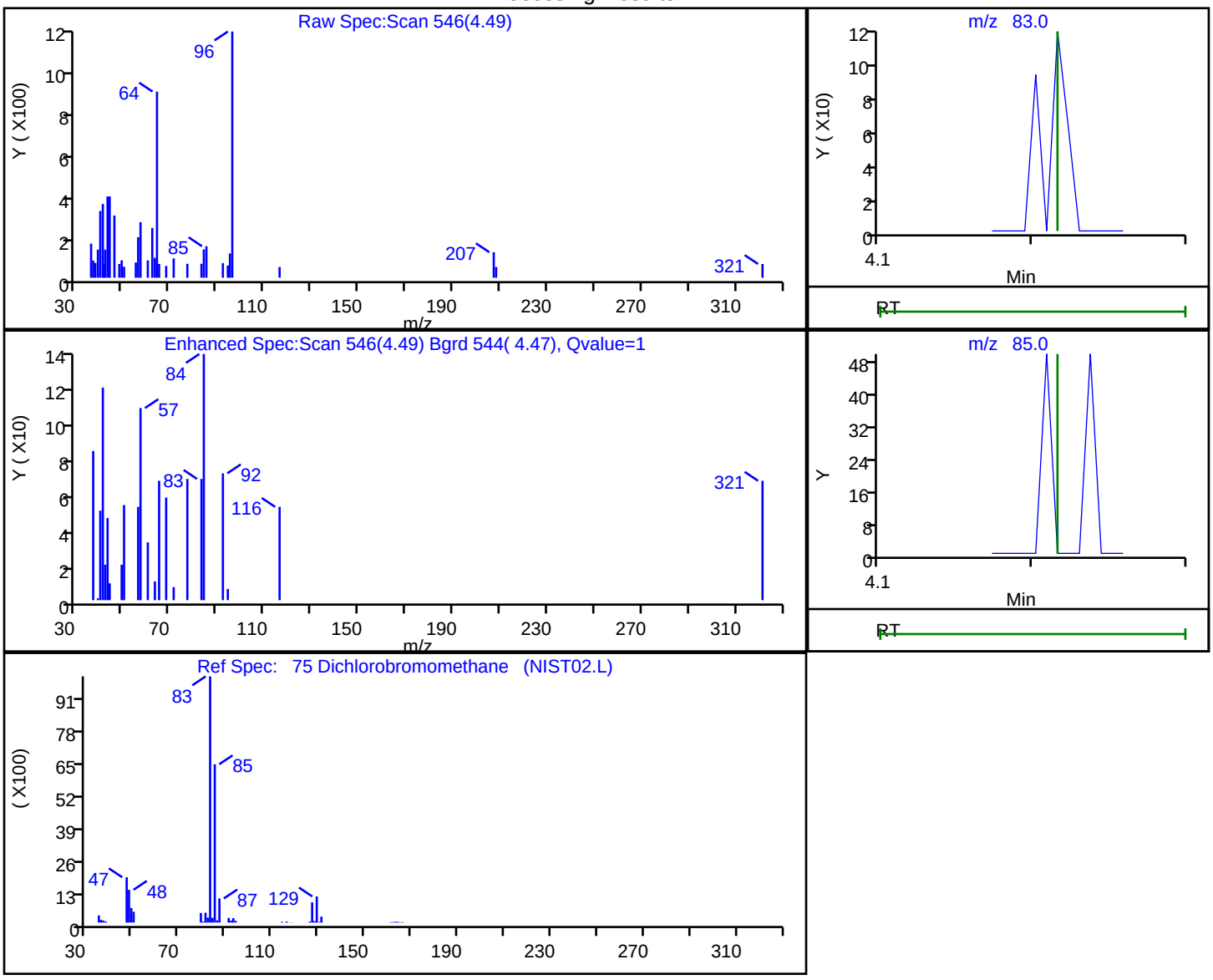
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

75 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
4.49	83.00	28	0.004438
4.50	85.00	335	

Reviewer: desais, 23-Aug-2019 09:39:02

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

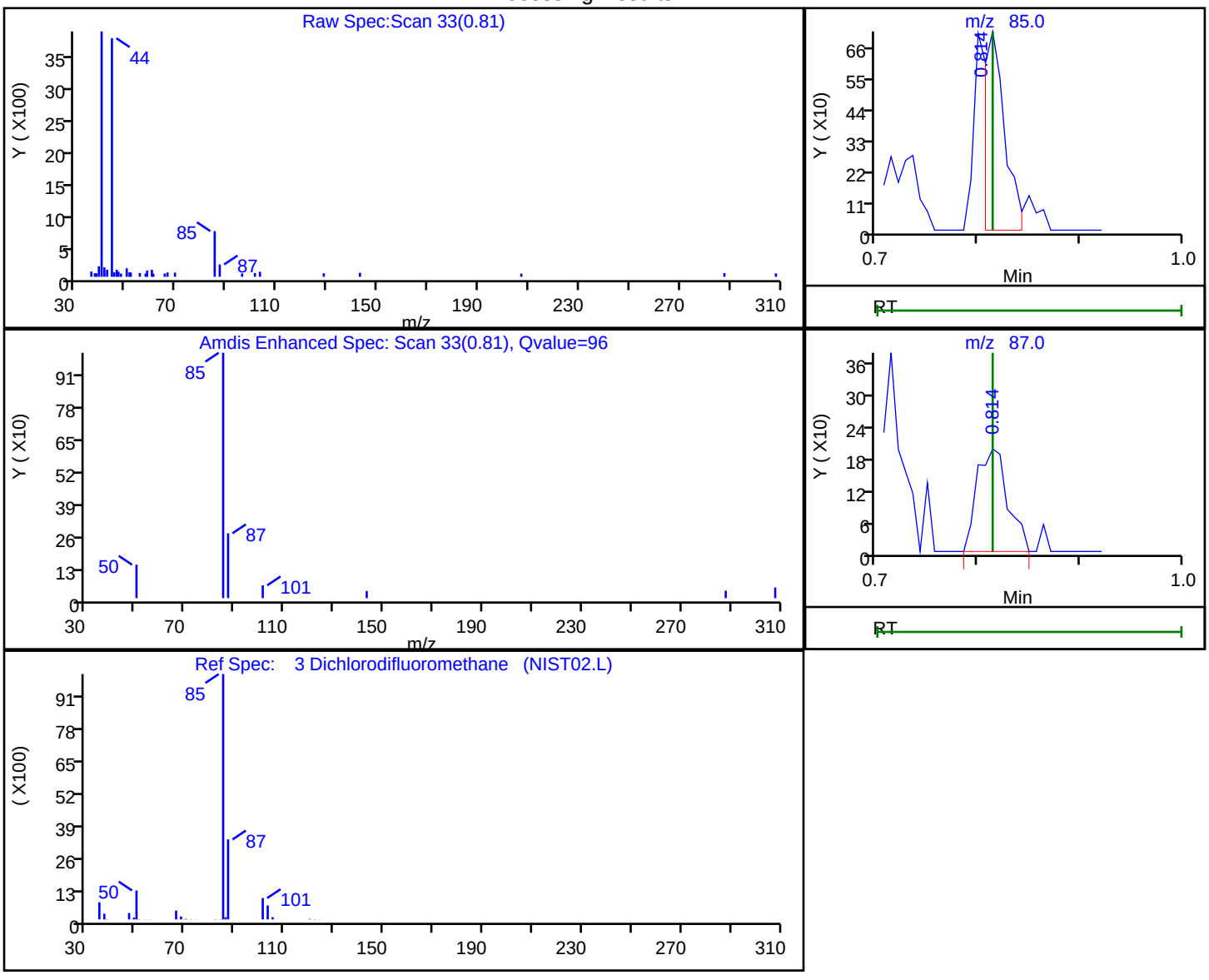
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.81	85.00	1015	0.140572
0.81	87.00	410	

Reviewer: desais, 23-Aug-2019 09:37:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

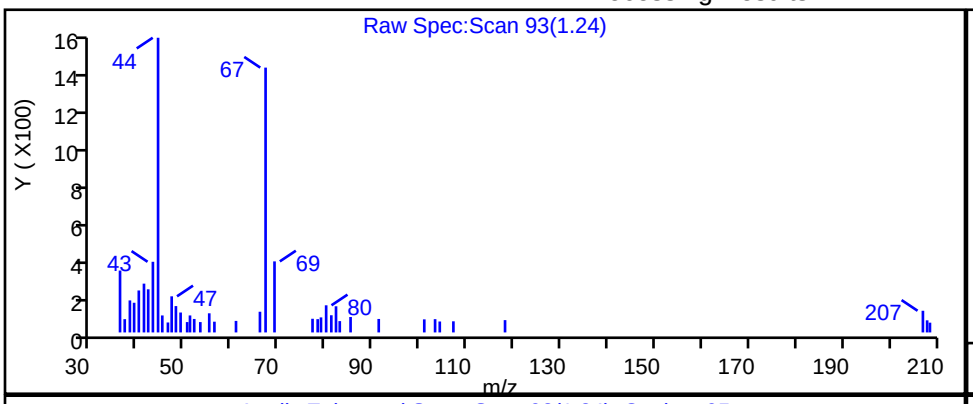
User Disabled Compound Report

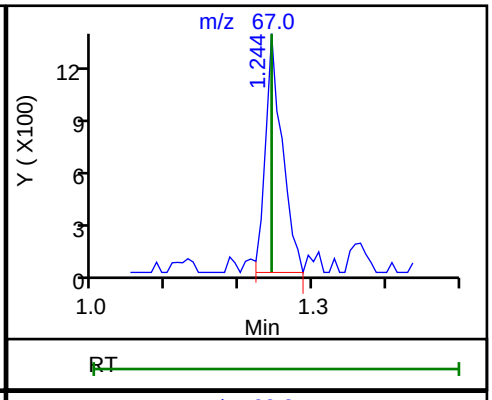
Eurofins TestAmerica, Edison

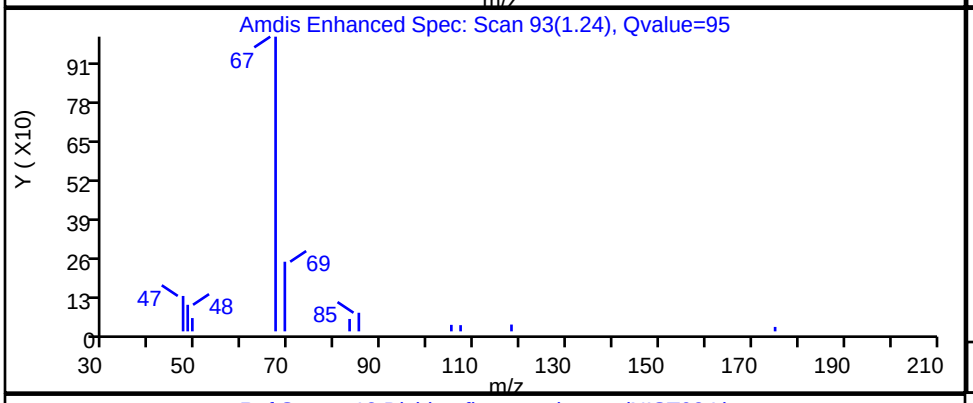
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

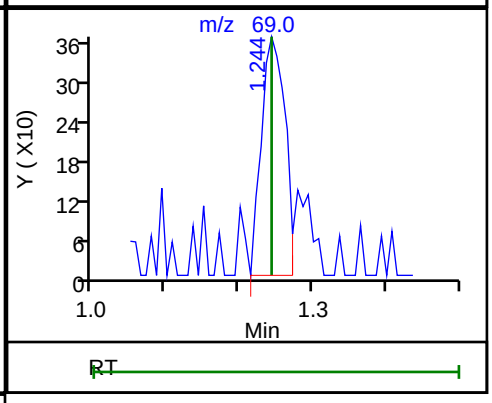
13 Dichlorofluoromethane, CAS: 75-43-4

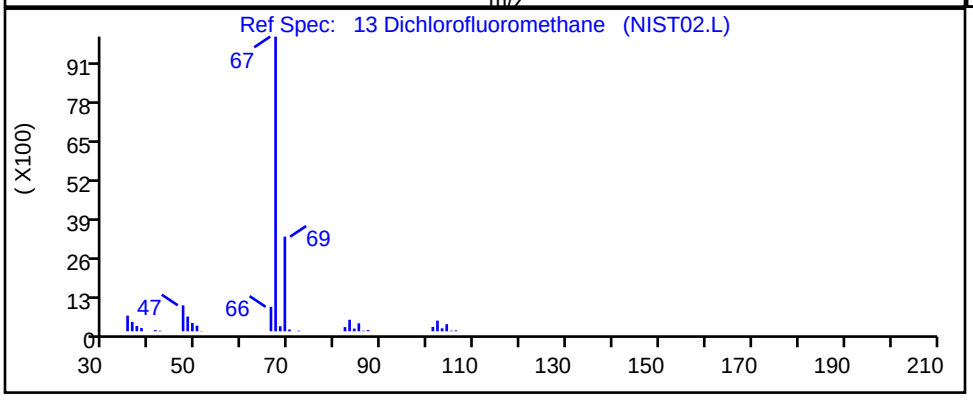
Processing Results











RT	Mass	Response	Amount
1.24	67.00	2157	0.246958
1.24	69.00	820	

Reviewer: desais, 23-Aug-2019 09:37:38

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

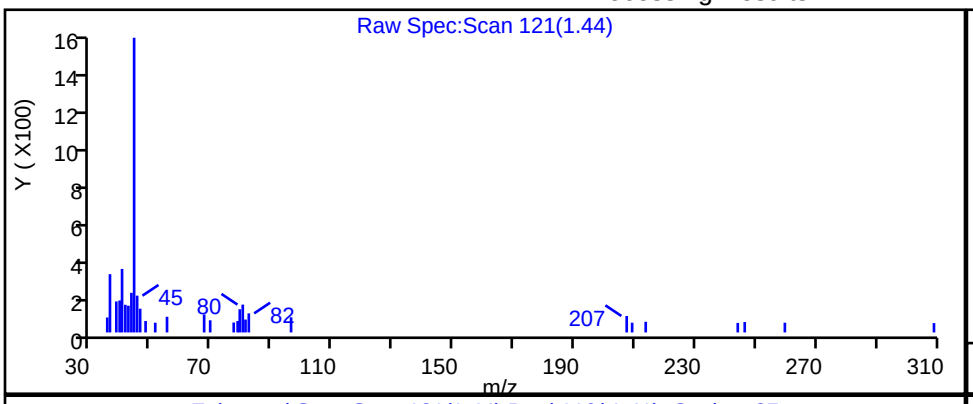
User Disabled Compound Report

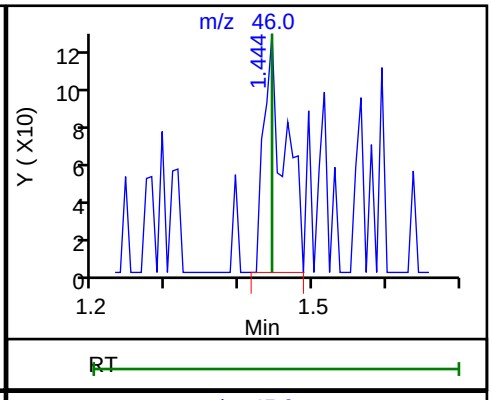
Eurofins TestAmerica, Edison

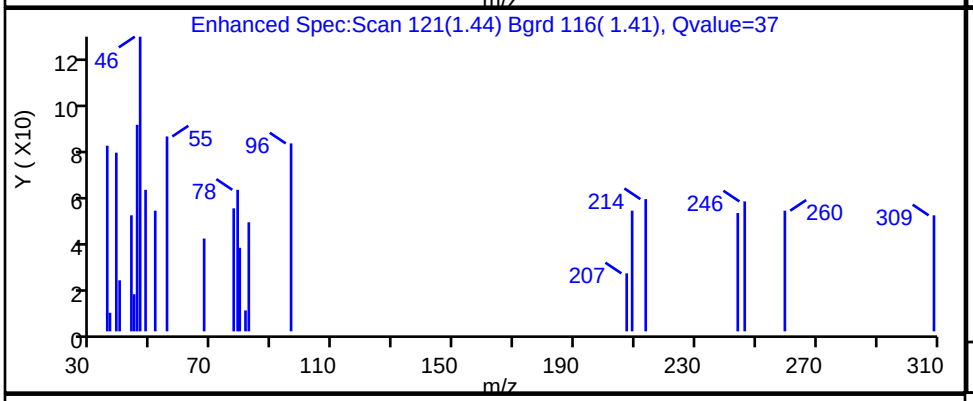
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

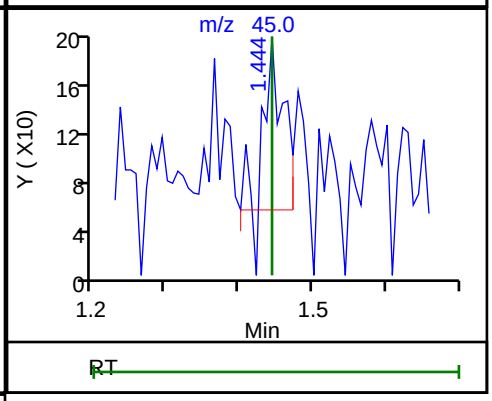
16 Ethanol, CAS: 64-17-5

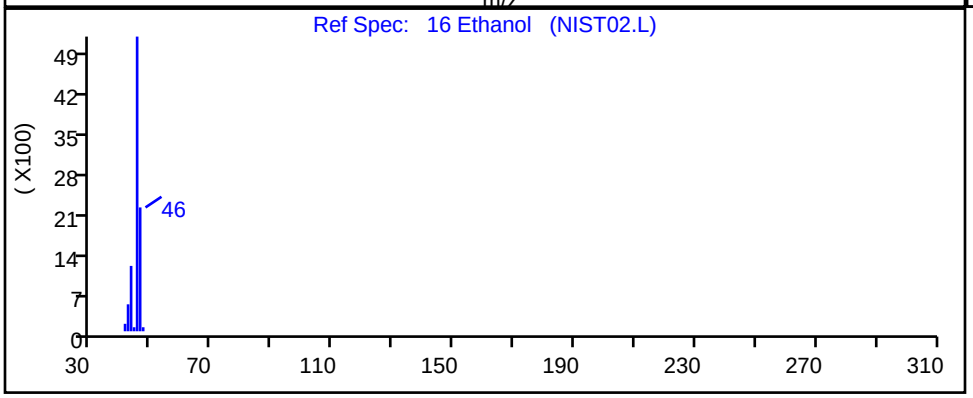
Processing Results











RT	Mass	Response	Amount
1.44	46.00	256	13.169997
1.44	45.00	261	

Reviewer: desais, 23-Aug-2019 09:37:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

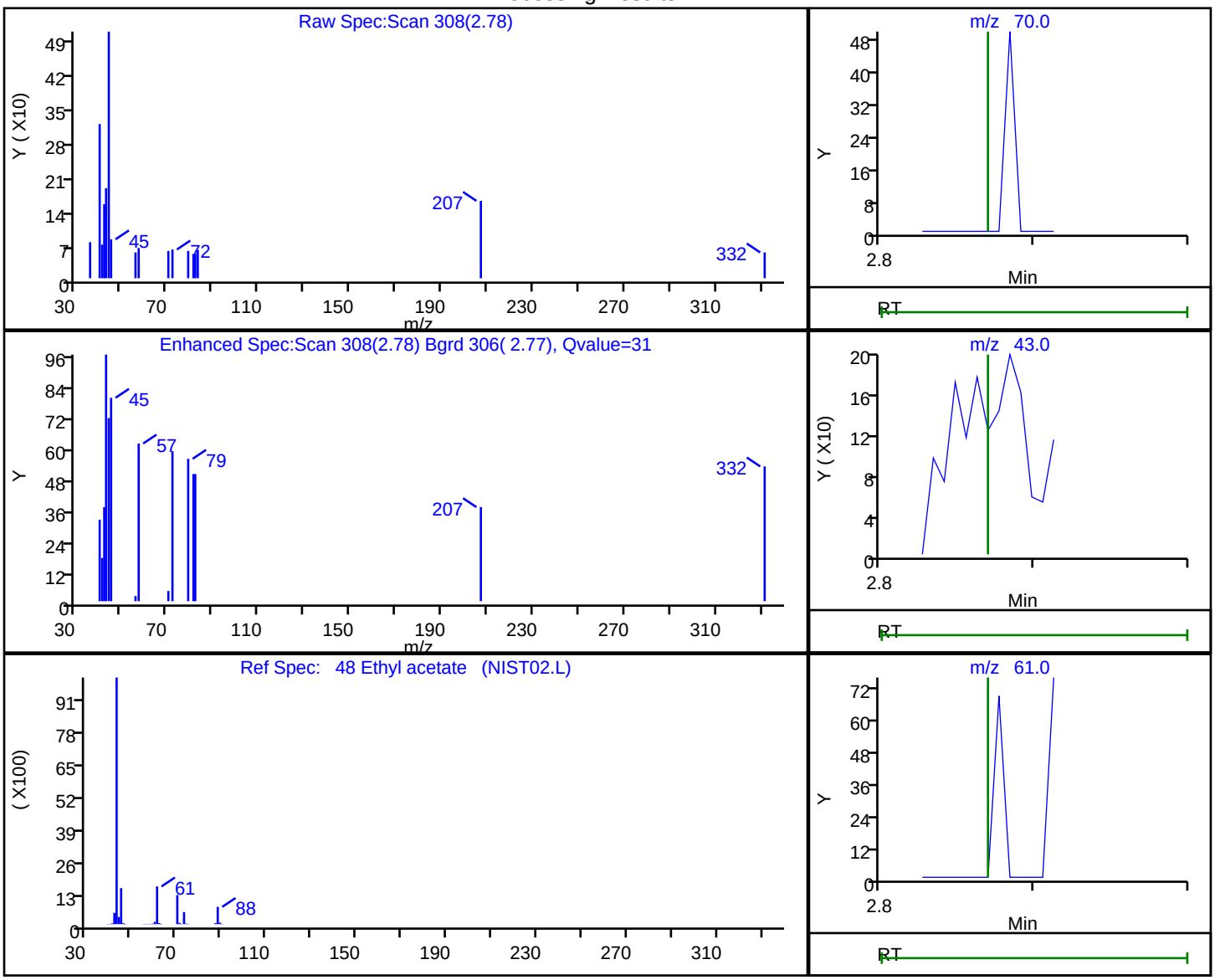
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

48 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
2.78	70.00	46	0.098937
2.78	43.00	319	
2.87	61.00	0	

Reviewer: desais, 23-Aug-2019 09:38:40

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

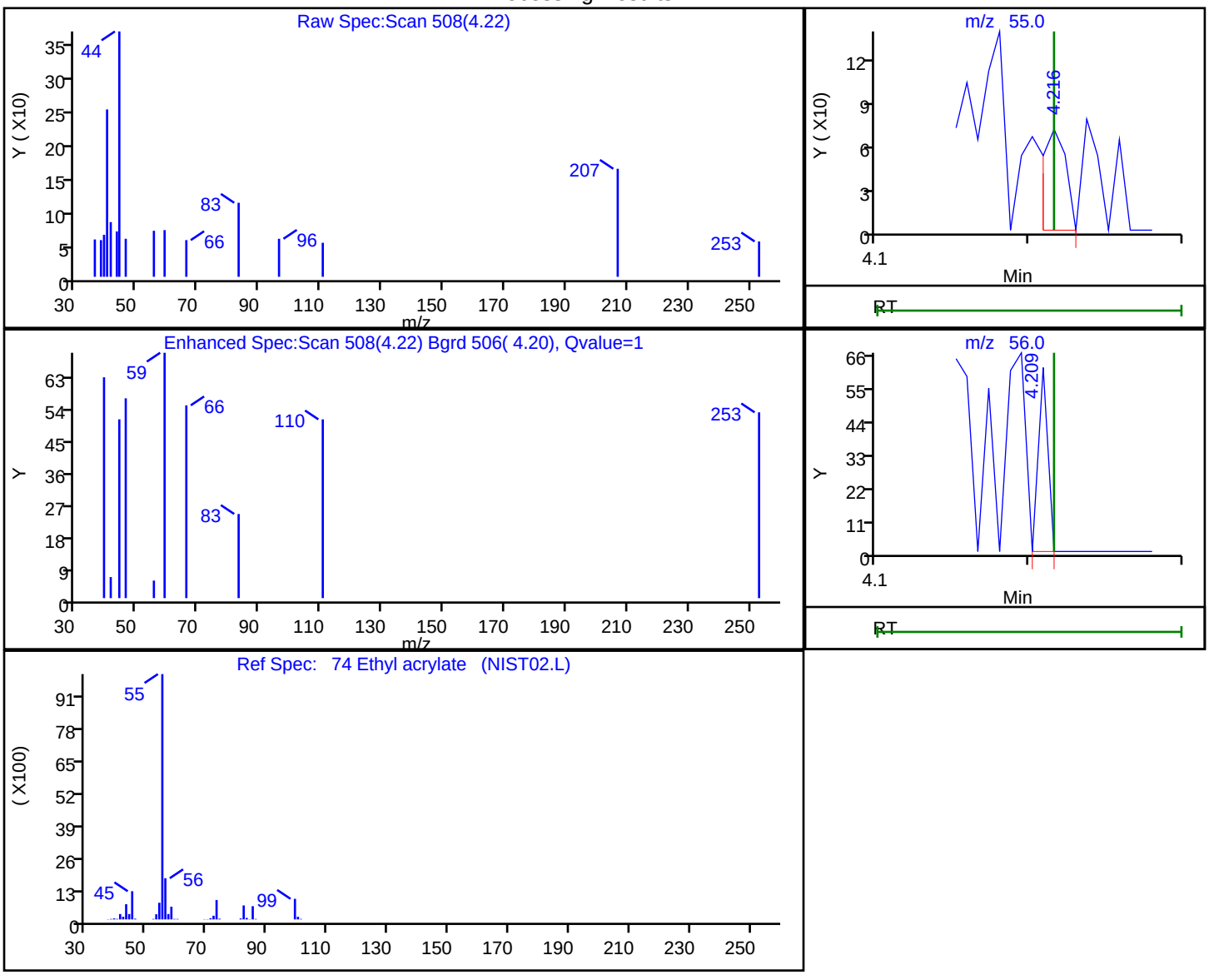
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

74 Ethyl acrylate, CAS: 140-88-5

Processing Results



RT	Mass	Response	Amount
4.22	55.00	74	0.014042
4.21	56.00	27	

Reviewer: desais, 23-Aug-2019 09:39:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

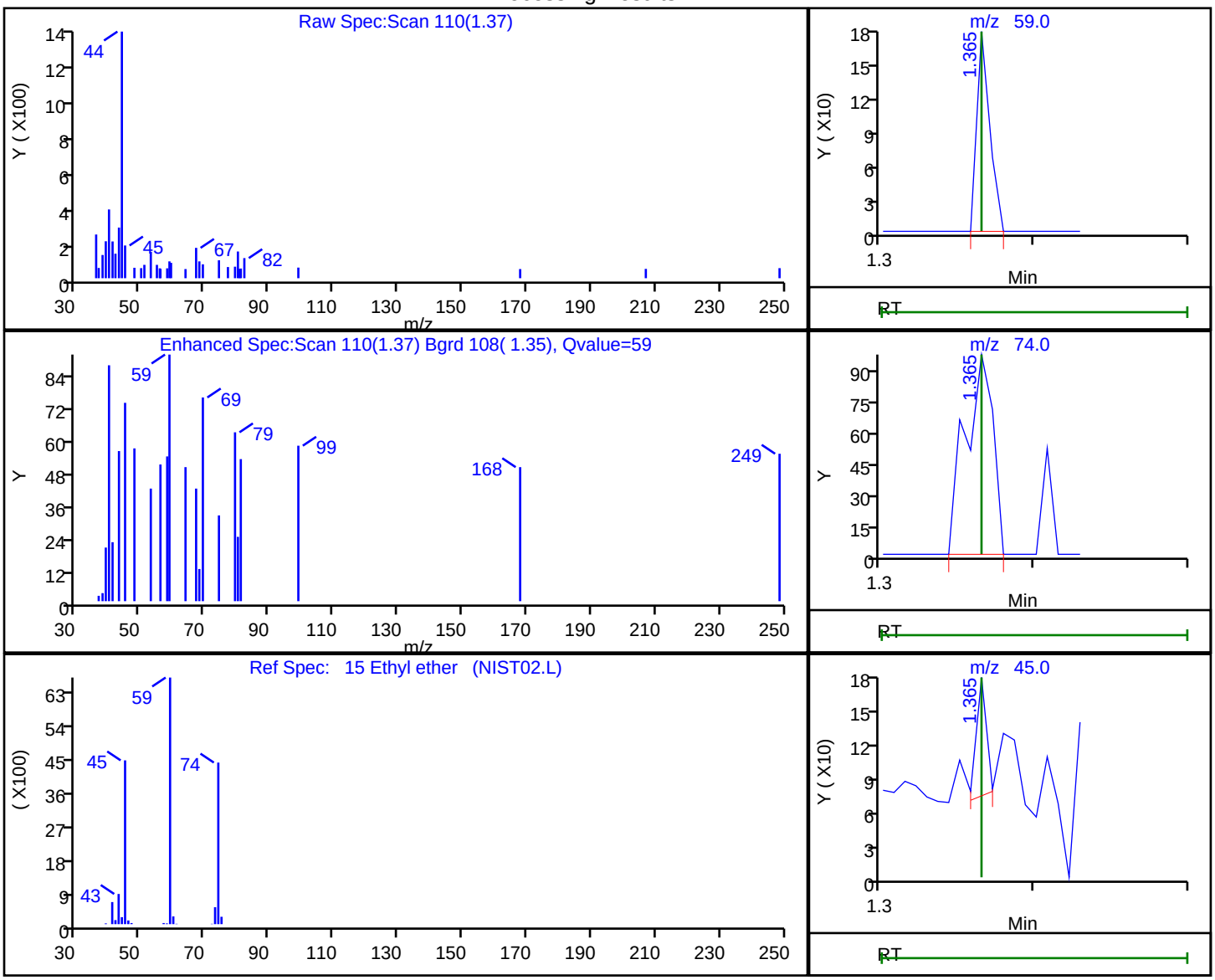
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
1.37	59.00	104	0.023686
1.37	74.00	123	
1.37	45.00	50	

Reviewer: desais, 23-Aug-2019 09:37:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

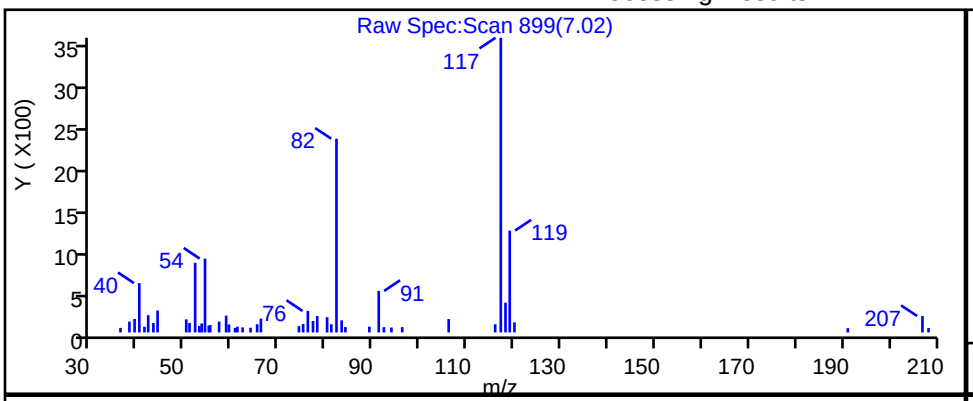
User Disabled Compound Report

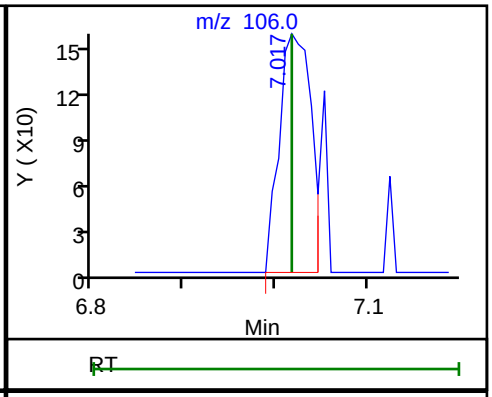
Eurofins TestAmerica, Edison

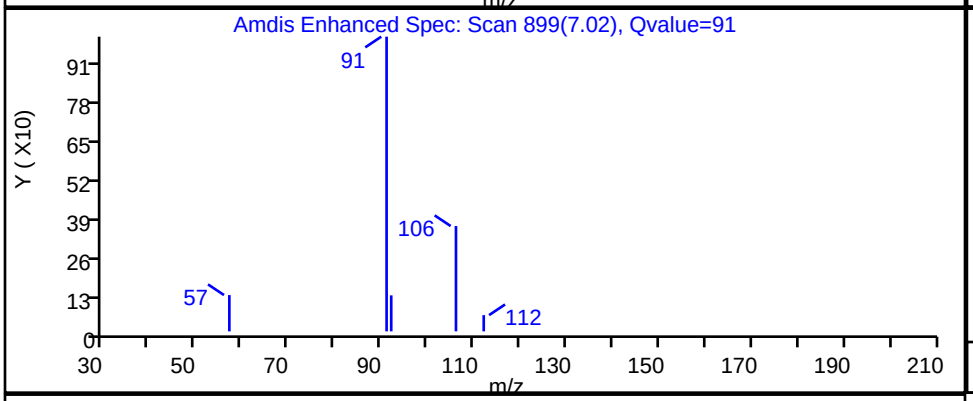
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

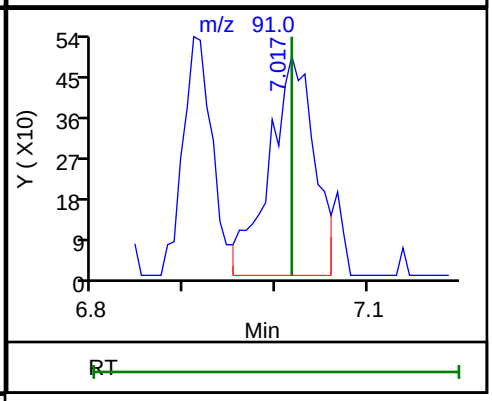
98 Ethylbenzene, CAS: 100-41-4

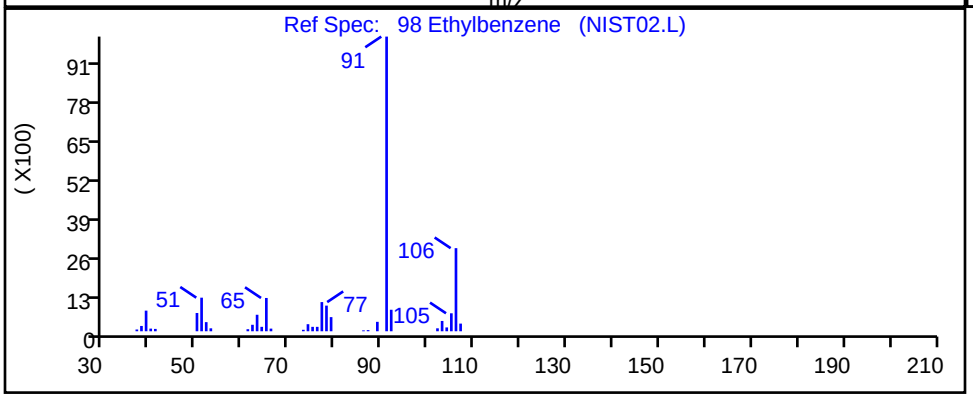
Processing Results











RT	Mass	Response	Amount
7.02	106.00	386	0.062011
7.02	91.00	1714	

Reviewer: desais, 23-Aug-2019 09:39:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

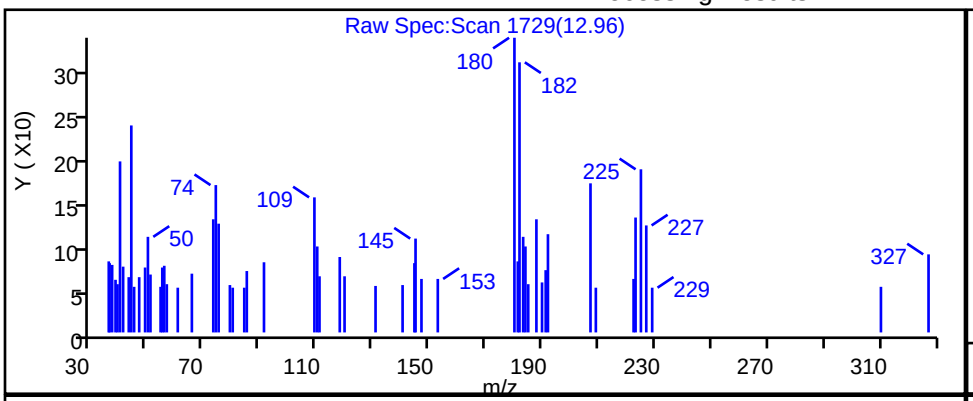
User Disabled Compound Report

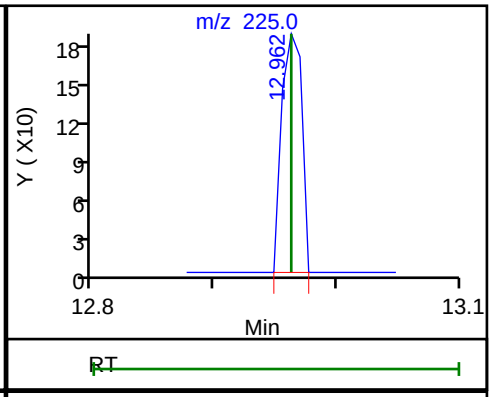
Eurofins TestAmerica, Edison

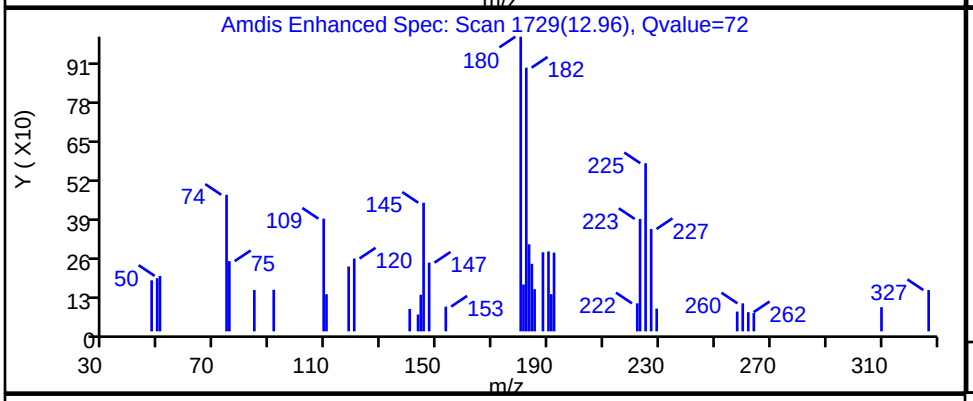
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

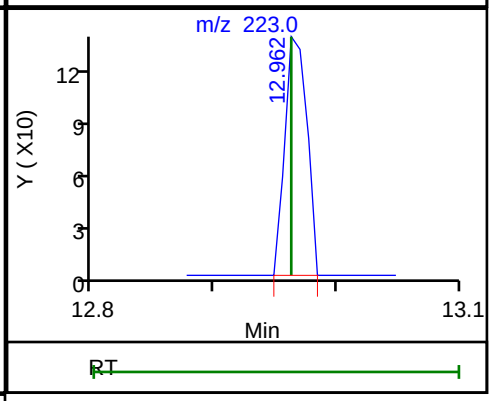
135 Hexachlorobutadiene, CAS: 87-68-3

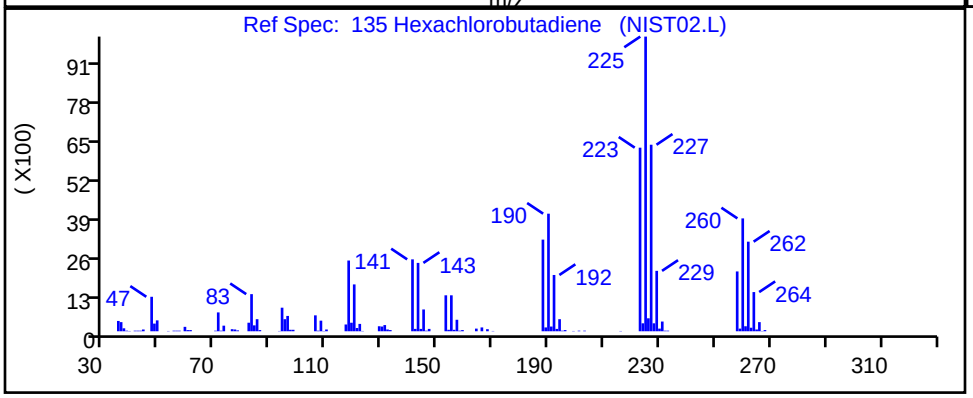
Processing Results











RT	Mass	Response	Amount
12.96	225.00	214	0.111447
12.96	223.00	165	

Reviewer: desais, 23-Aug-2019 09:40:52

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

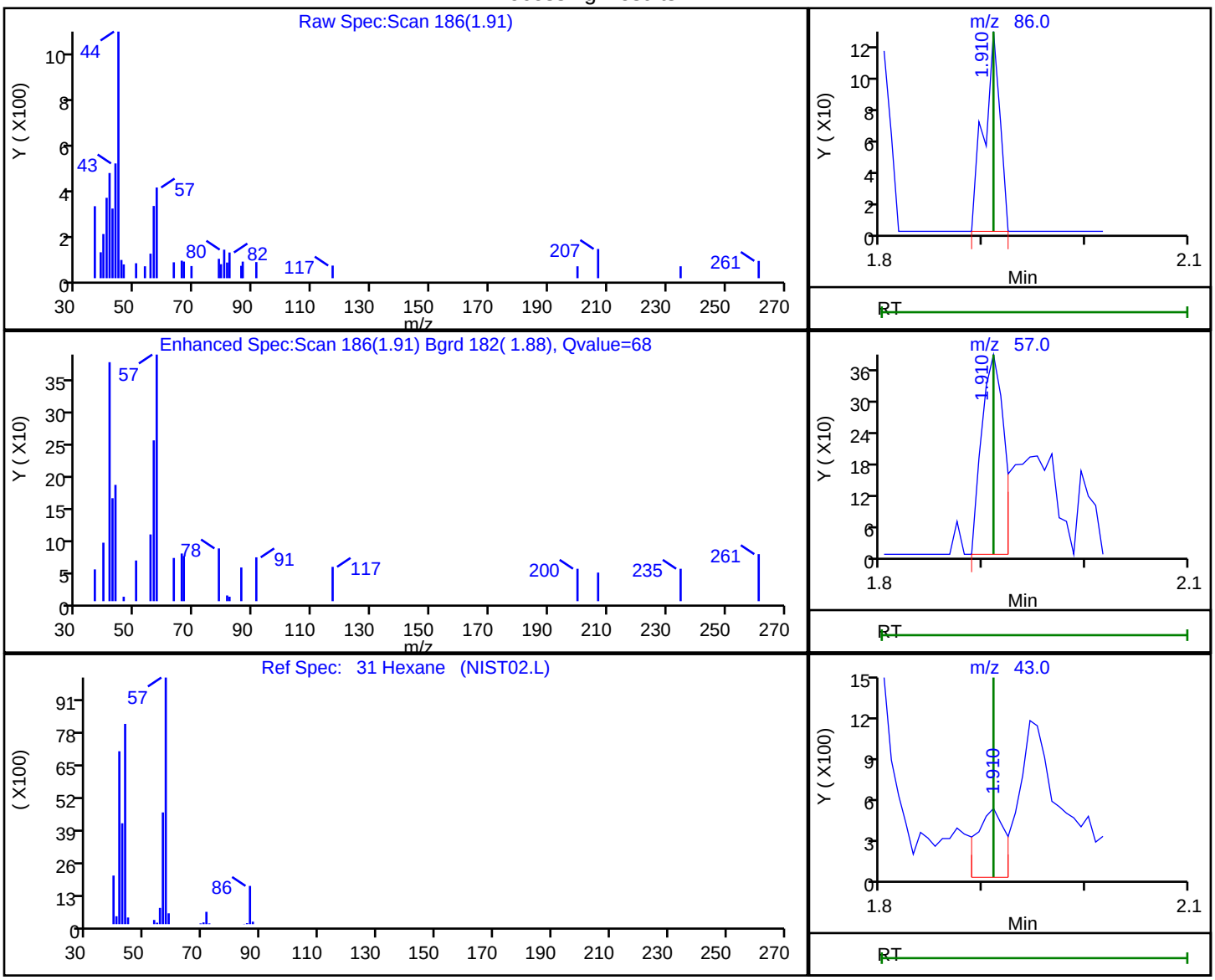
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

31 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
1.91	86.00	134	0.146514
1.91	57.00	587	
1.91	43.00	952	
1.91	56.00	438	

Reviewer: desais, 23-Aug-2019 09:38:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

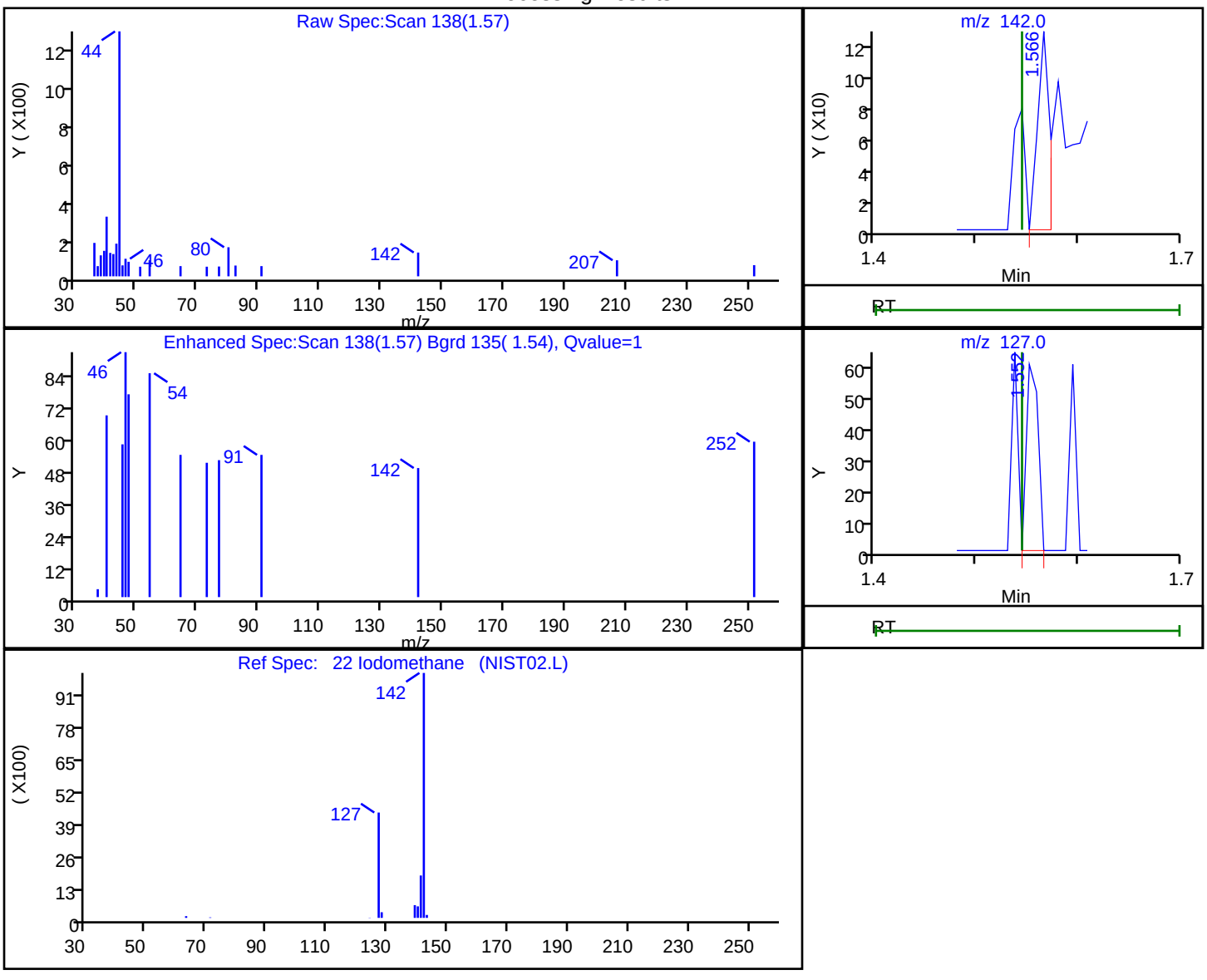
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Iodomethane, CAS: 74-88-4

Processing Results



RT	Mass	Response	Amount
1.57	142.00	104	0.011118
1.55	127.00	49	

Reviewer: desais, 23-Aug-2019 09:37:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

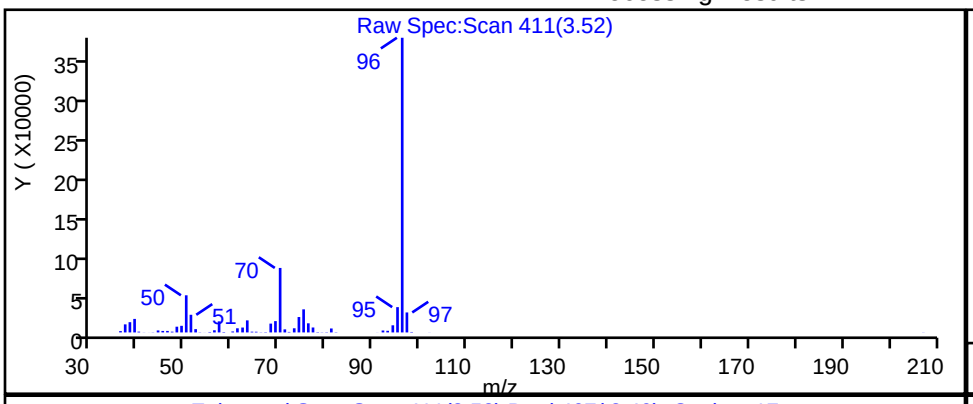
User Disabled Compound Report

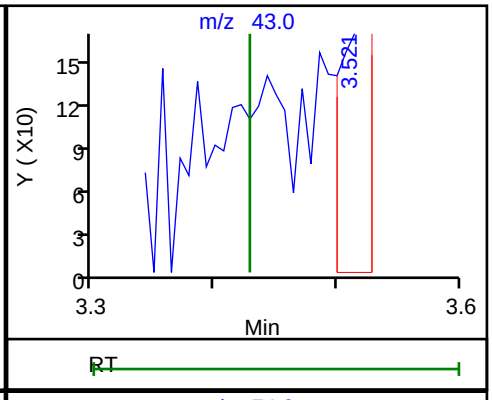
Eurofins TestAmerica, Edison

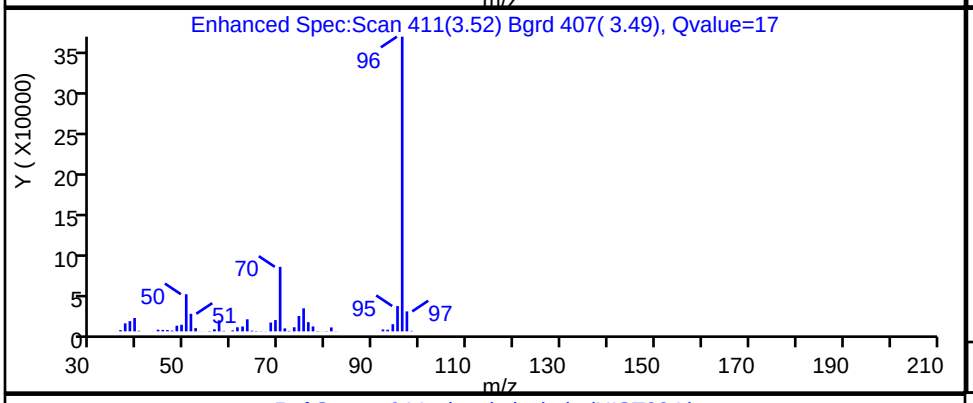
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

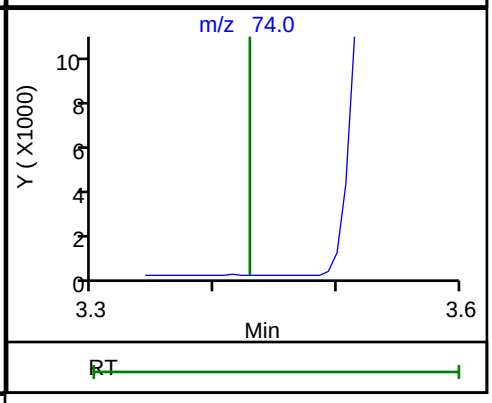
64 Isobutyl alcohol, CAS: 78-83-1

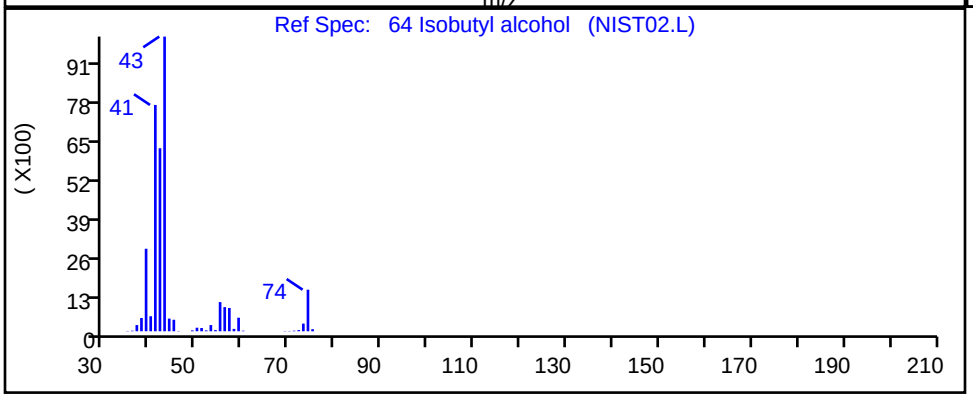
Processing Results











RT	Mass	Response	Amount
3.52	43.00	287	2.469531
3.53	74.00	42639	

Reviewer: desais, 23-Aug-2019 09:38:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

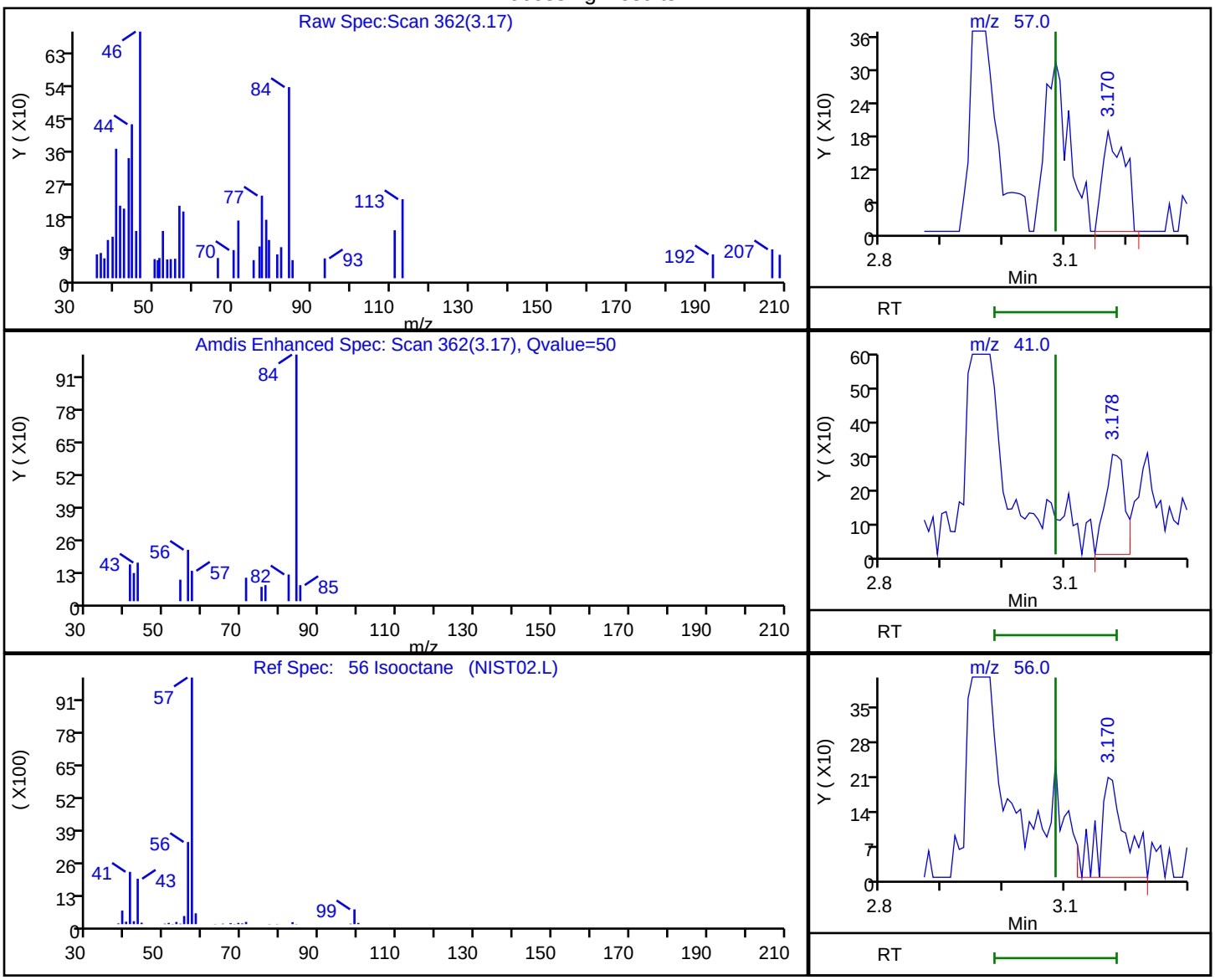
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

56 Isooctane, CAS: 540-84-1

Processing Results



RT	Mass	Response	Amount
3.17	57.00	463	0.068696
3.18	41.00	655	
3.17	56.00	614	

Reviewer: desais, 23-Aug-2019 09:38:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

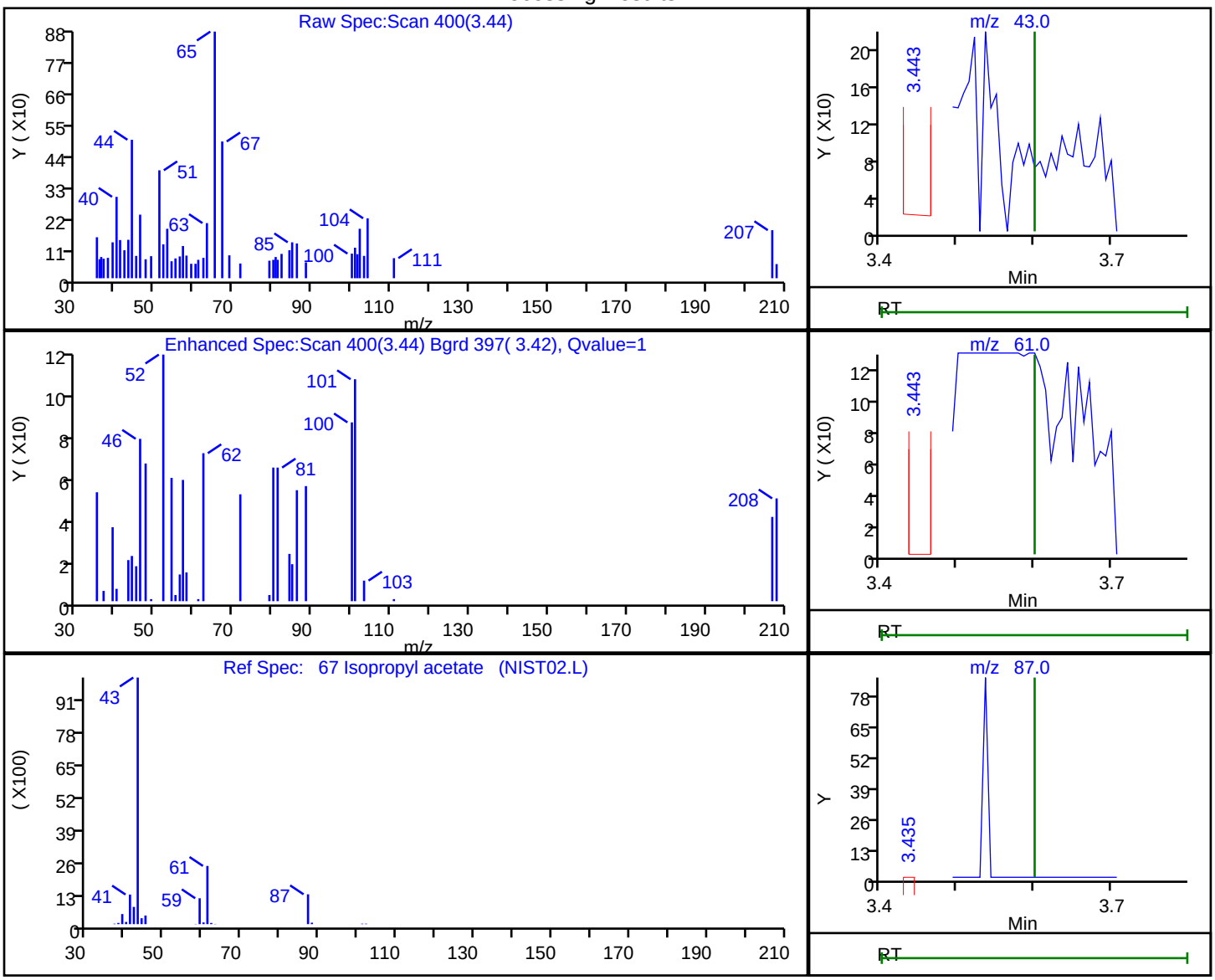
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
3.44	43.00	232	0.031305
3.44	61.00	99	
3.44	87.00	112	

Reviewer: desais, 23-Aug-2019 09:38:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

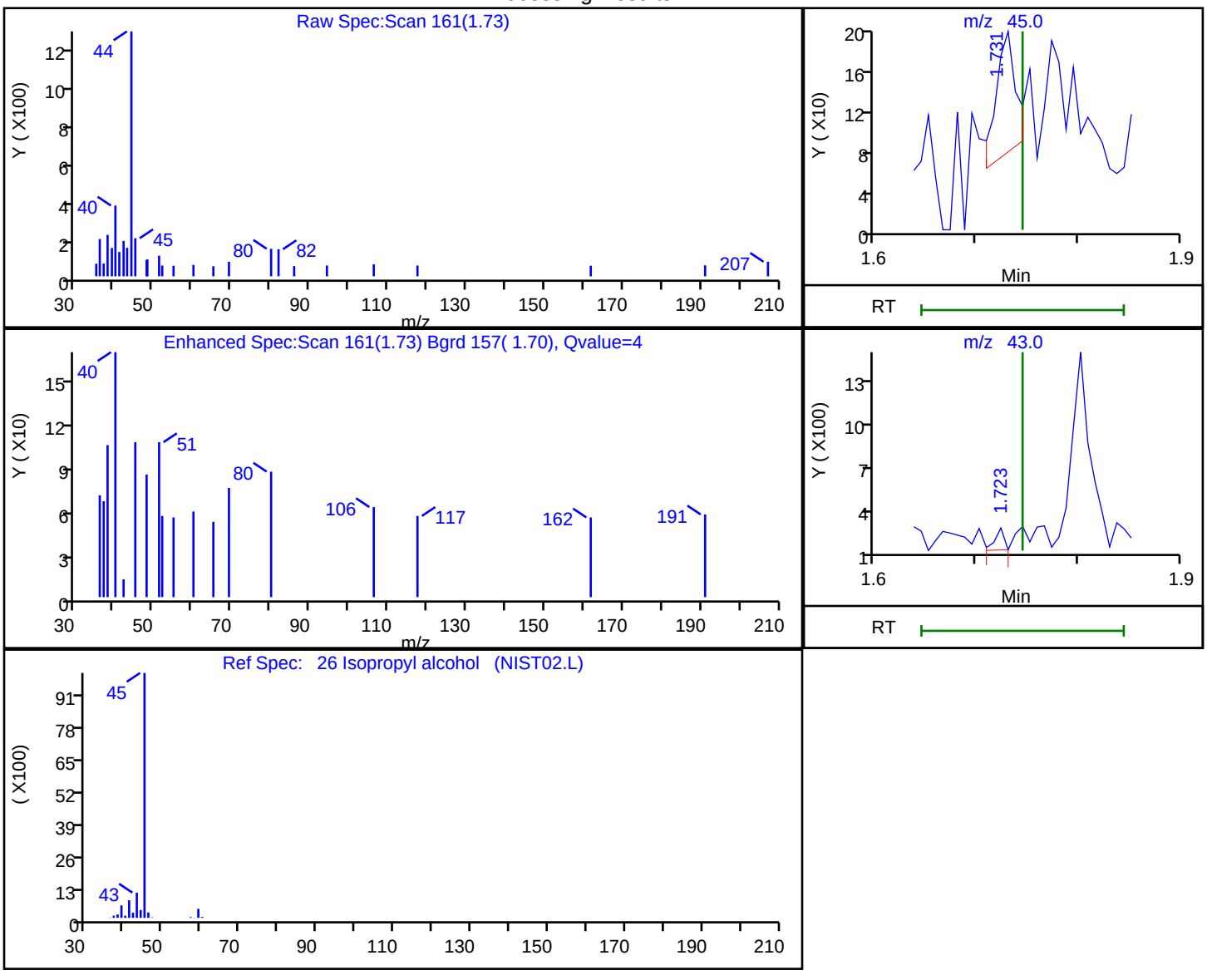
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

26 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
1.73	45.00	162	0.727025
1.72	43.00	90	

Reviewer: desais, 23-Aug-2019 09:38:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

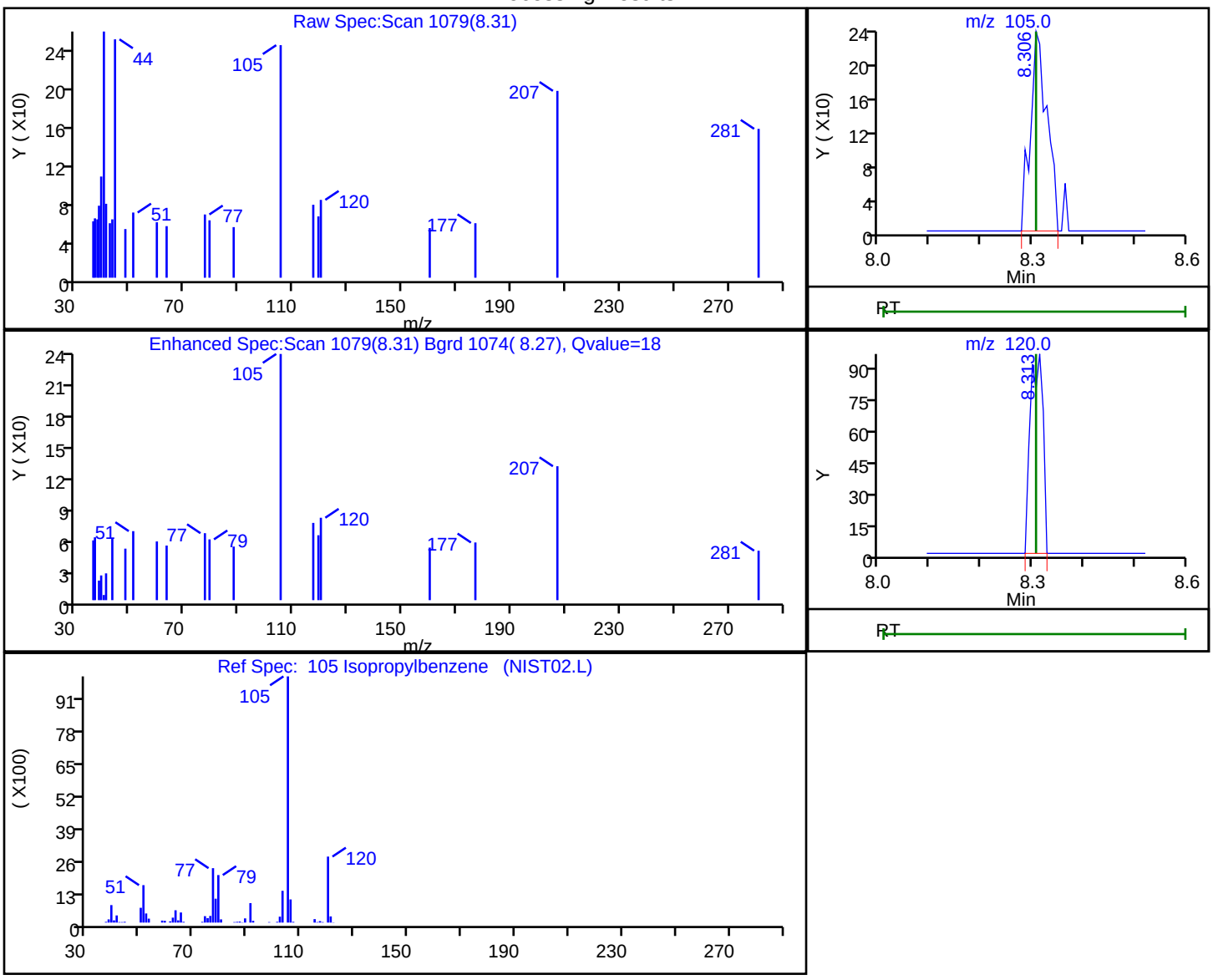
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

105 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
8.31	105.00	542	0.032172
8.31	120.00	168	

Reviewer: desais, 23-Aug-2019 09:40:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

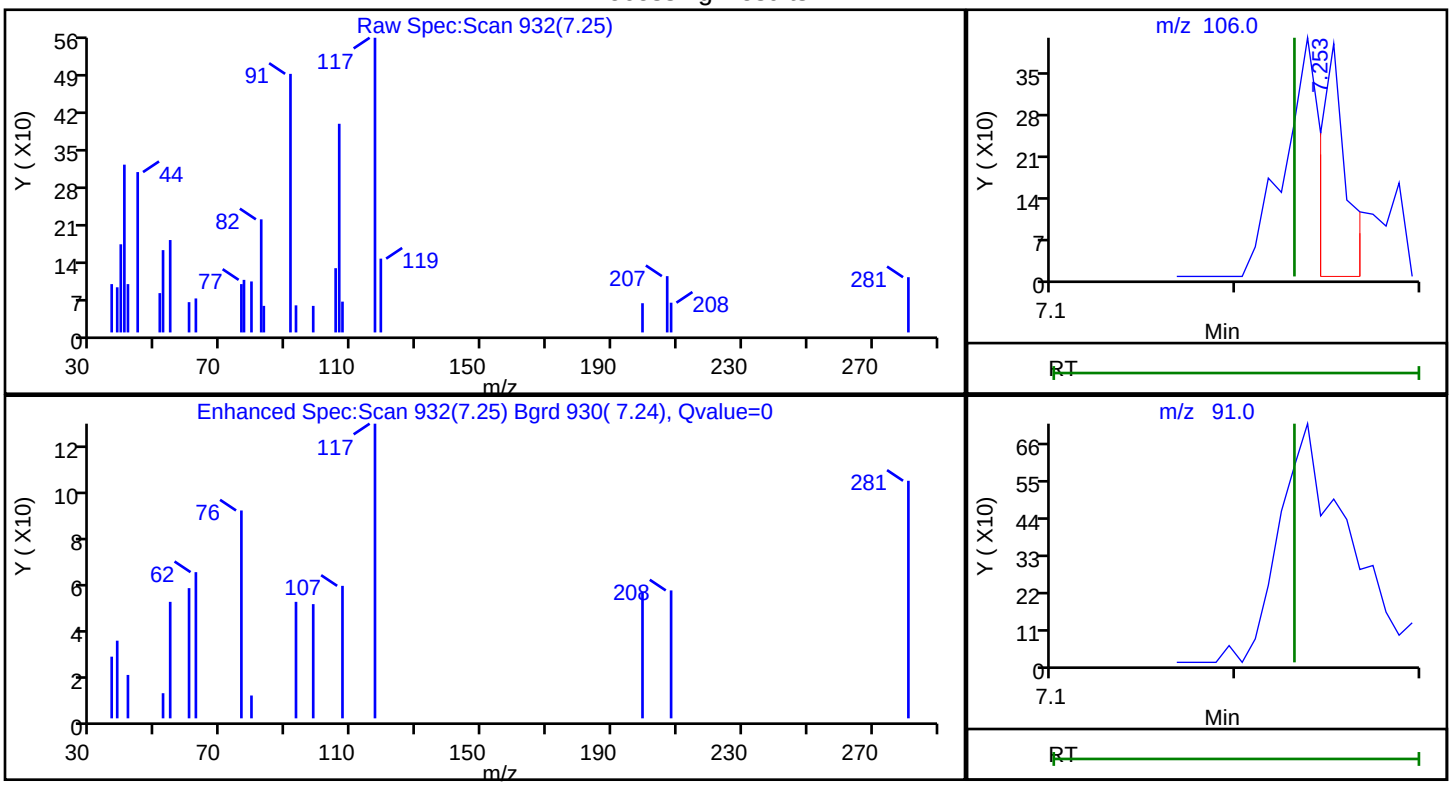
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

100 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results



RT	Mass	Response	Amount
7.25	106.00	375	0.049396
7.25	91.00	1000	

Reviewer: desais, 23-Aug-2019 09:39:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

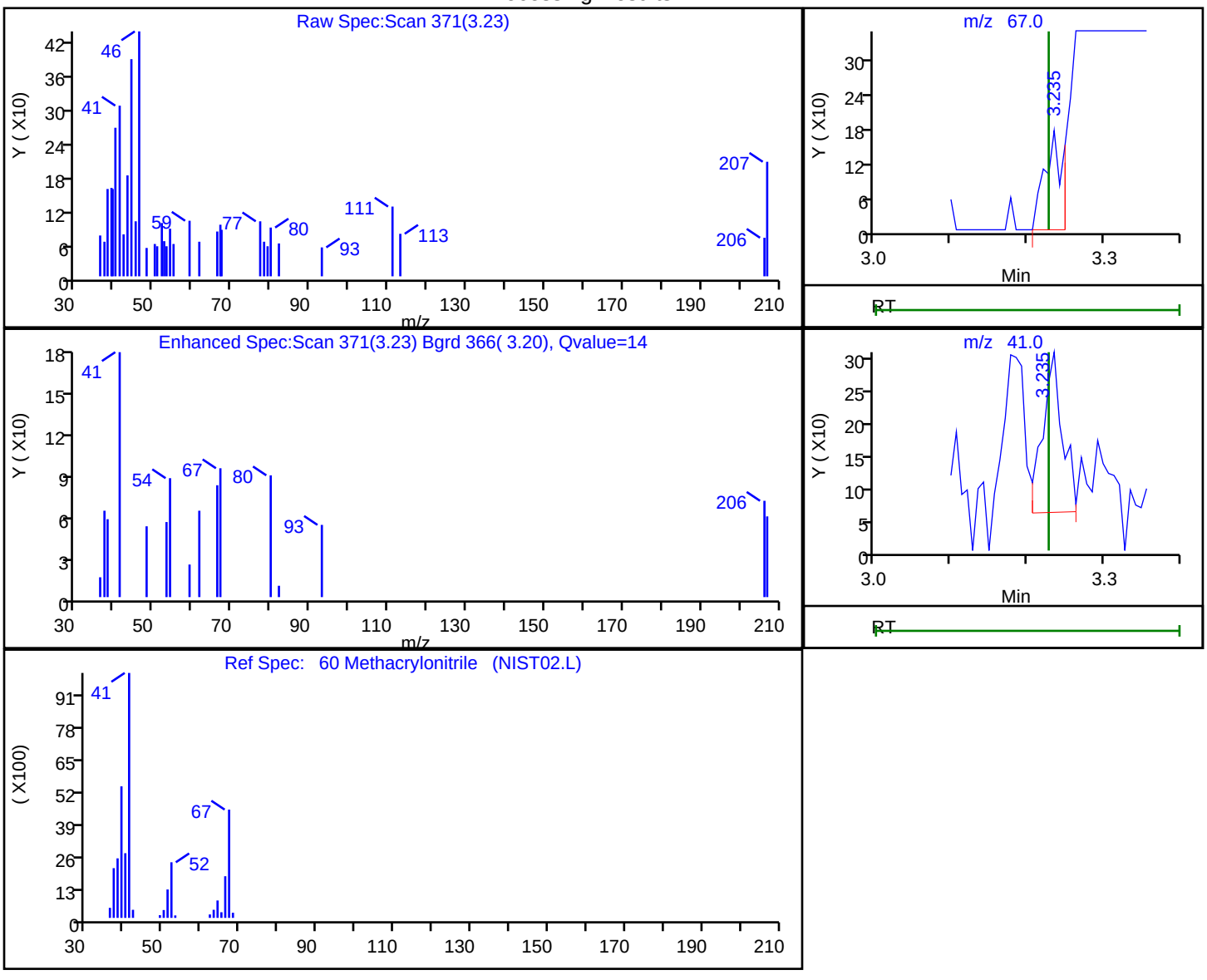
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

60 Methacrylonitrile, CAS: 126-98-7

Processing Results



RT	Mass	Response	Amount
3.23	67.00	286	0.179136
3.23	41.00	441	

Reviewer: desais, 23-Aug-2019 09:38:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

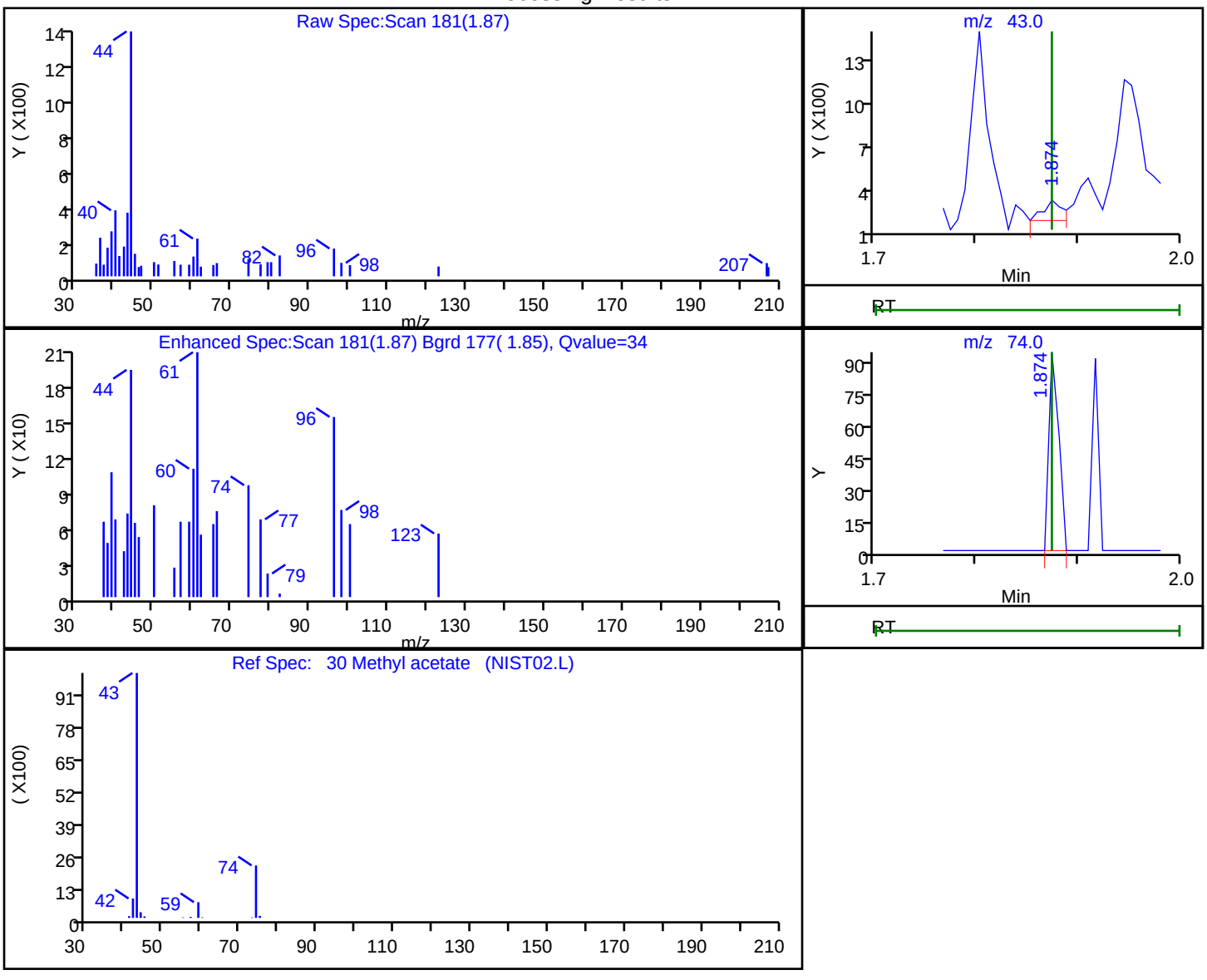
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

30 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
1.87	43.00	169	0.059289
1.87	74.00	64	

Reviewer: desais, 23-Aug-2019 09:38:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

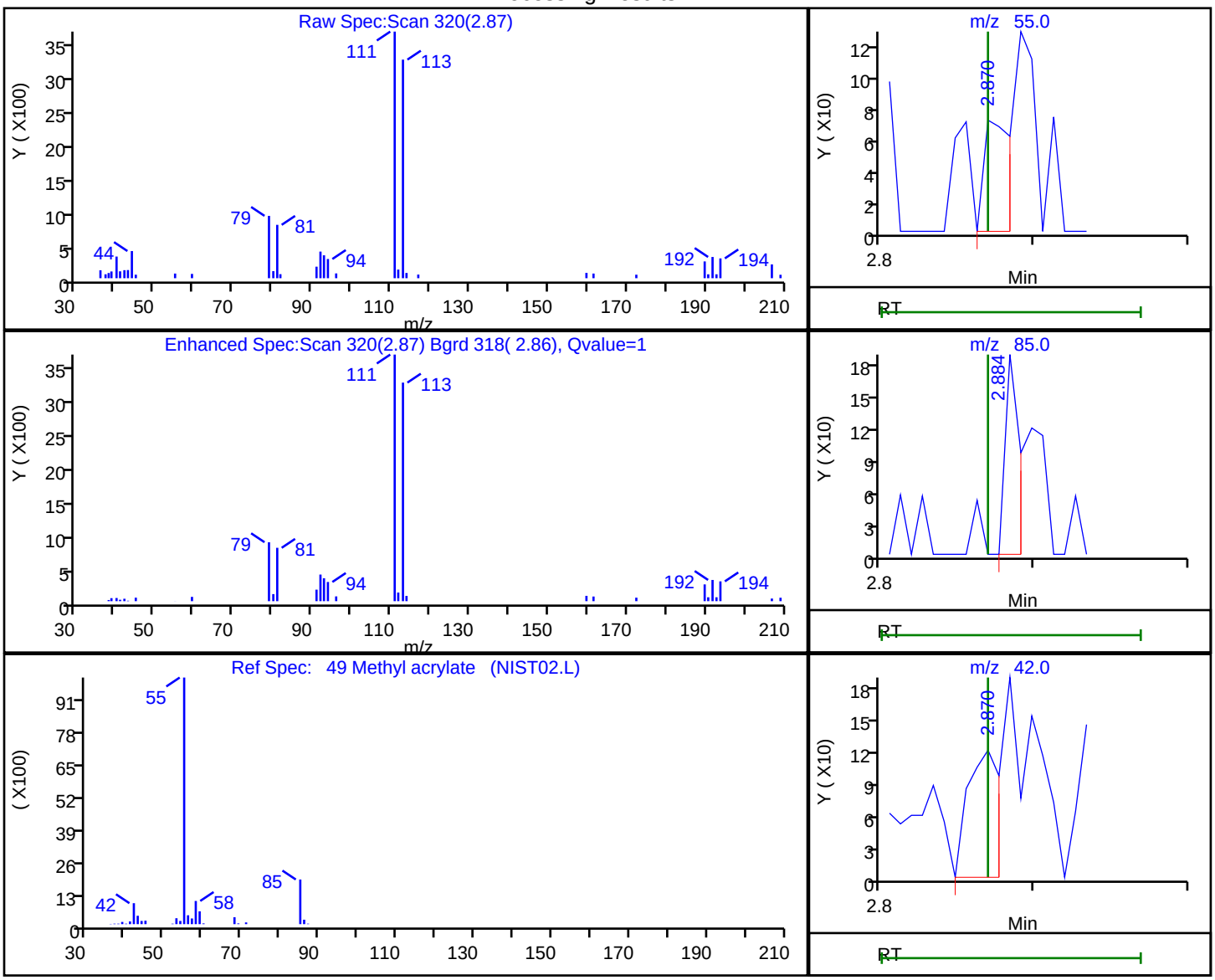
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

49 Methyl acrylate, CAS: 96-33-3

Processing Results



RT	Mass	Response	Amount
2.87	55.00	83	0.025227
2.88	85.00	120	
2.87	42.00	172	

Reviewer: desais, 23-Aug-2019 09:38:42

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

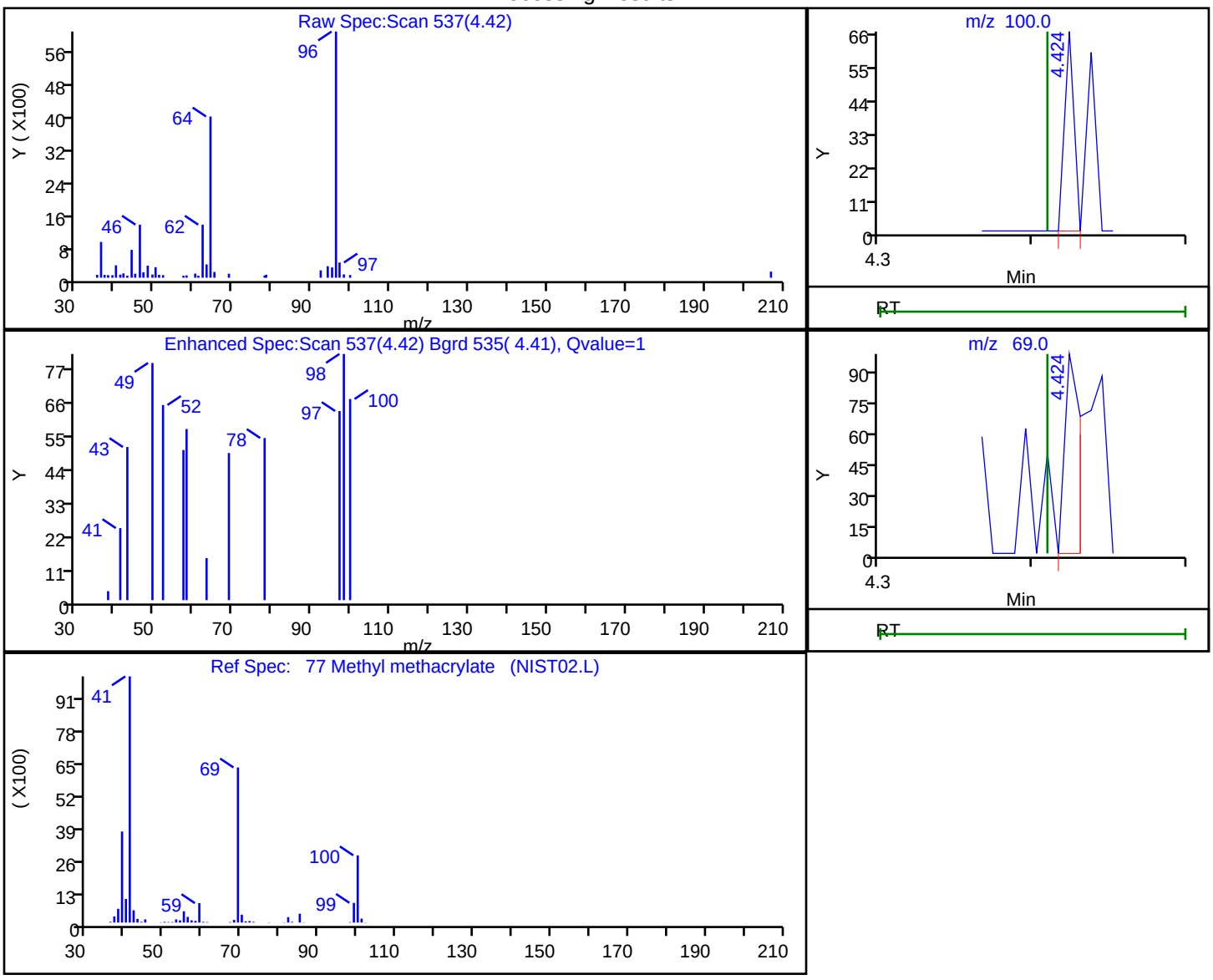
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

77 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
4.42	100.00	29	0.023902
4.42	69.00	72	

Reviewer: desais, 23-Aug-2019 09:39:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

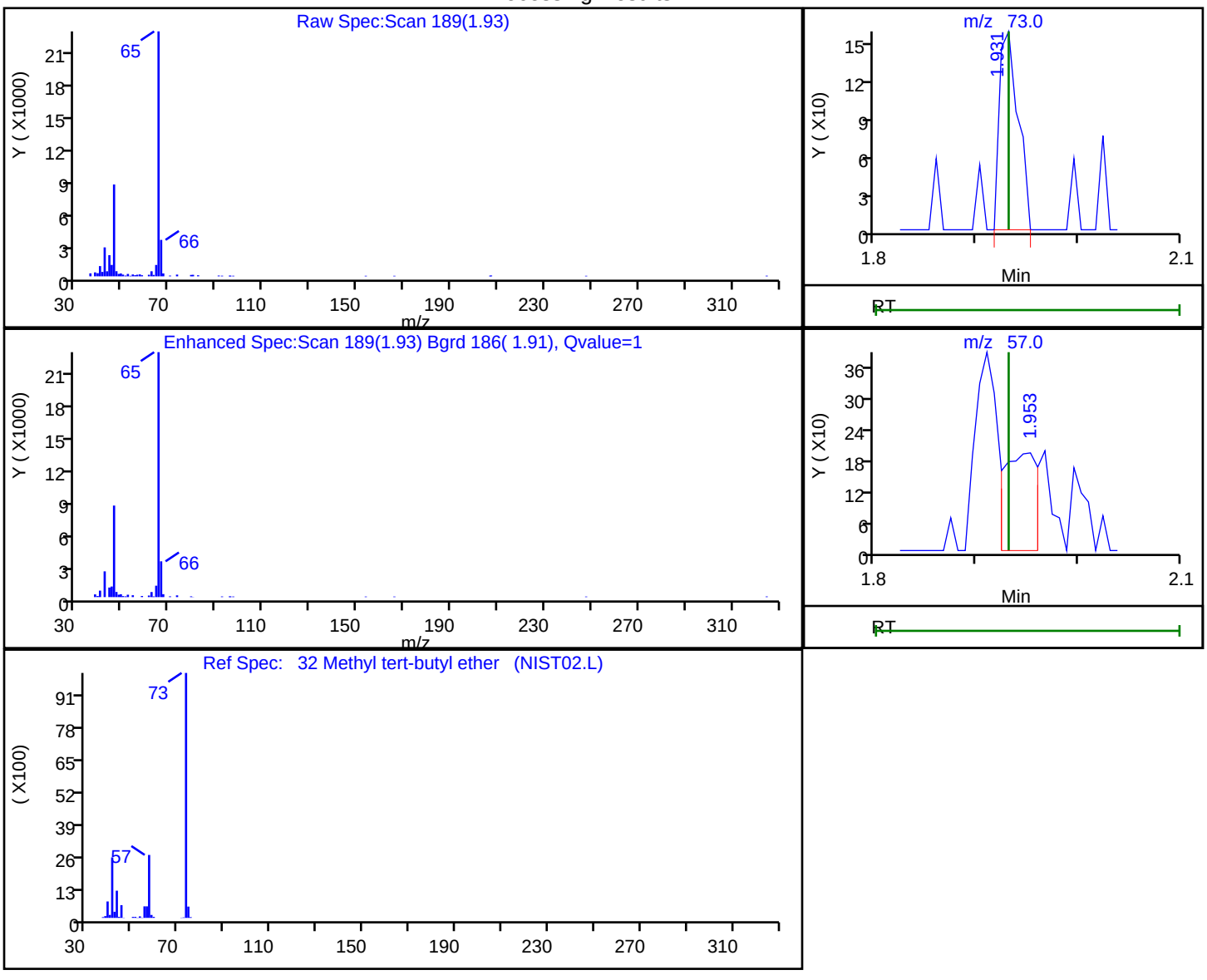
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results



RT	Mass	Response	Amount
1.93	73.00	200	0.012895
1.95	57.00	450	

Reviewer: desais, 23-Aug-2019 09:38:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

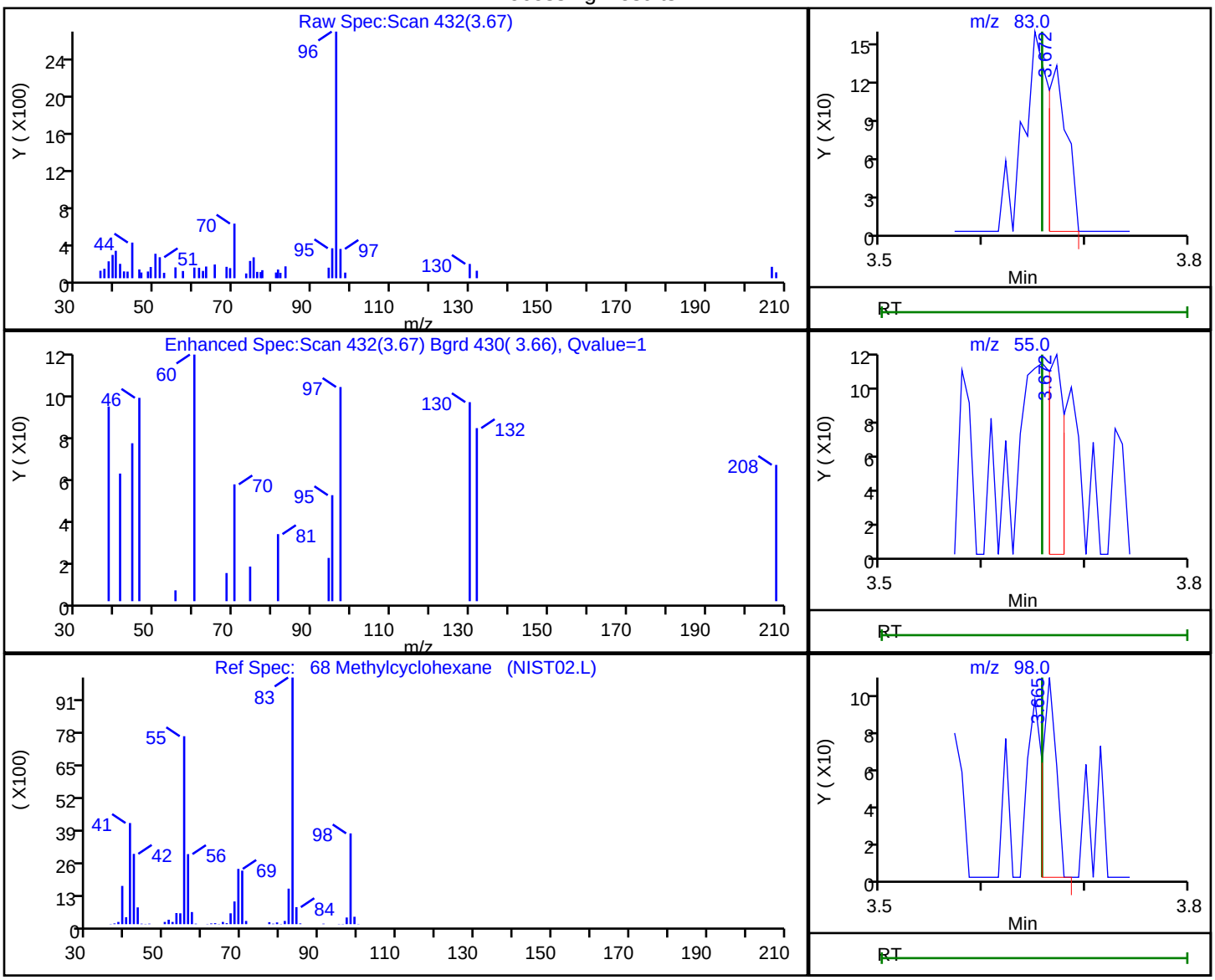
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

68 Methylcyclohexane, CAS: 108-87-2

Processing Results



RT	Mass	Response	Amount
3.67	83.00	163	0.034069
3.67	55.00	130	
3.66	98.00	99	

Reviewer: desais, 23-Aug-2019 09:38:59

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

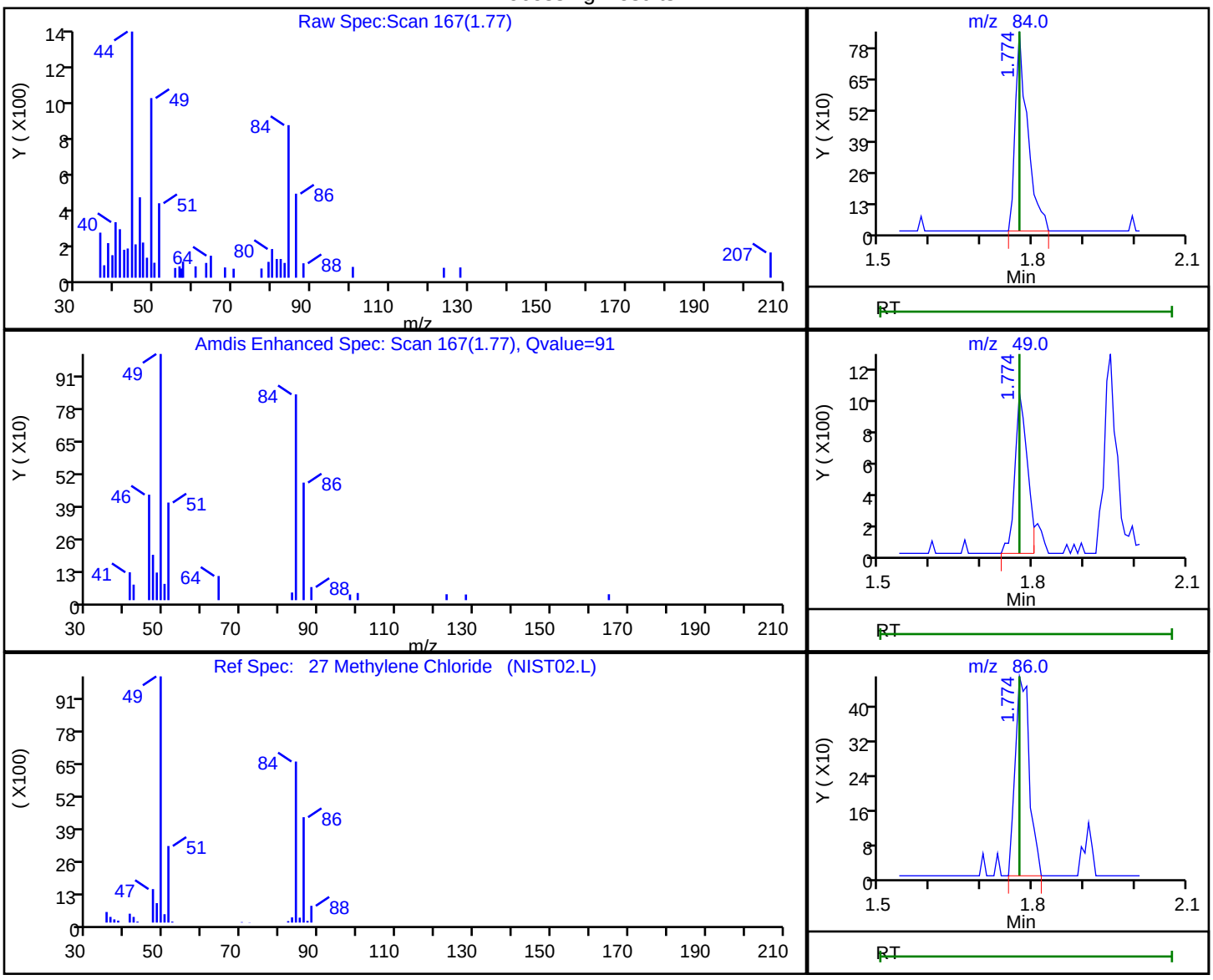
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
1.77	84.00	1430	0.276143
1.77	49.00	1688	
1.77	86.00	901	

Reviewer: desais, 23-Aug-2019 09:38:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

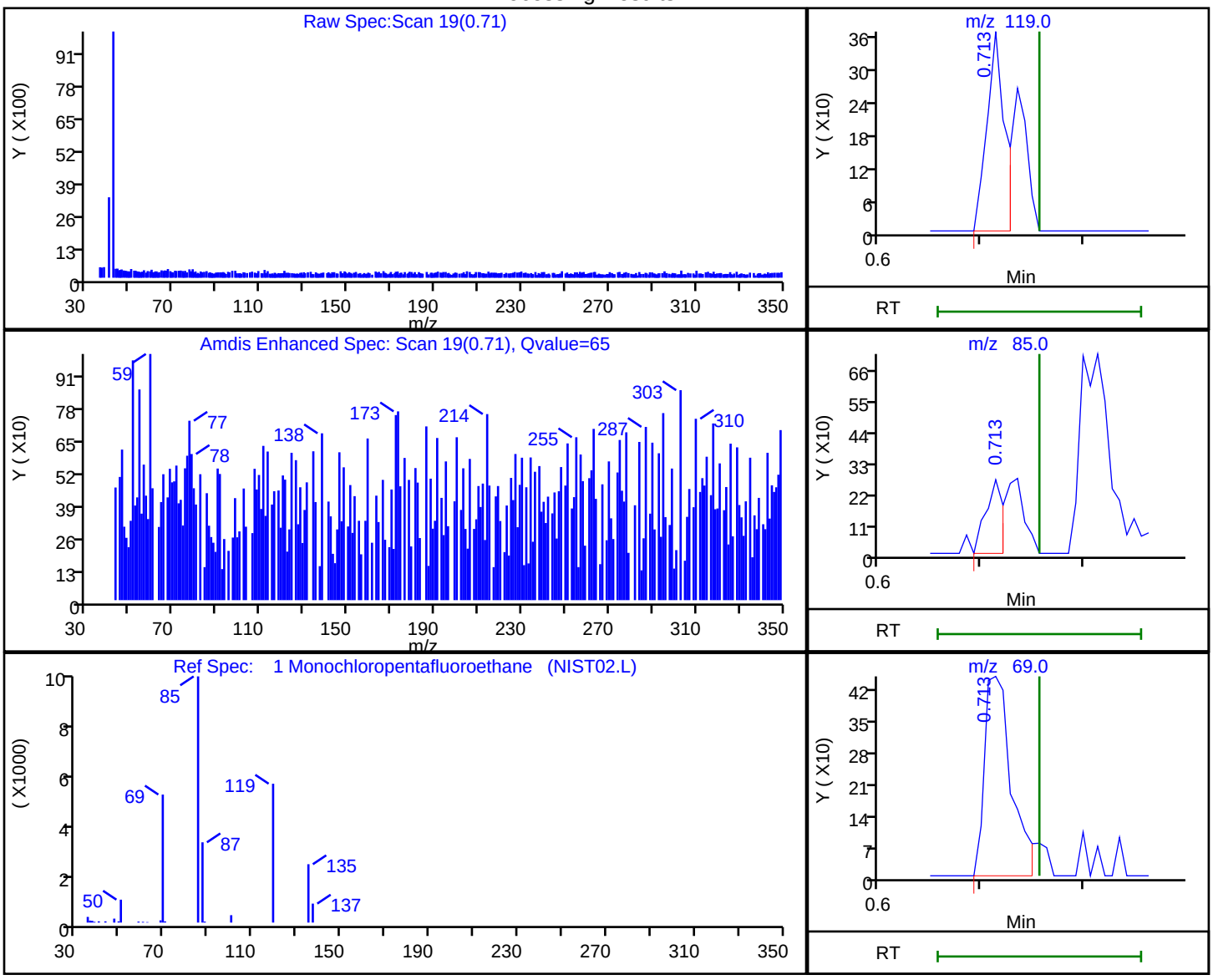
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Processing Results



RT	Mass	Response	Amount
0.71	119.00	442	1.172130
0.71	85.00	309	
0.71	69.00	824	
0.71	135.00	397	

Reviewer: desais, 23-Aug-2019 09:37:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

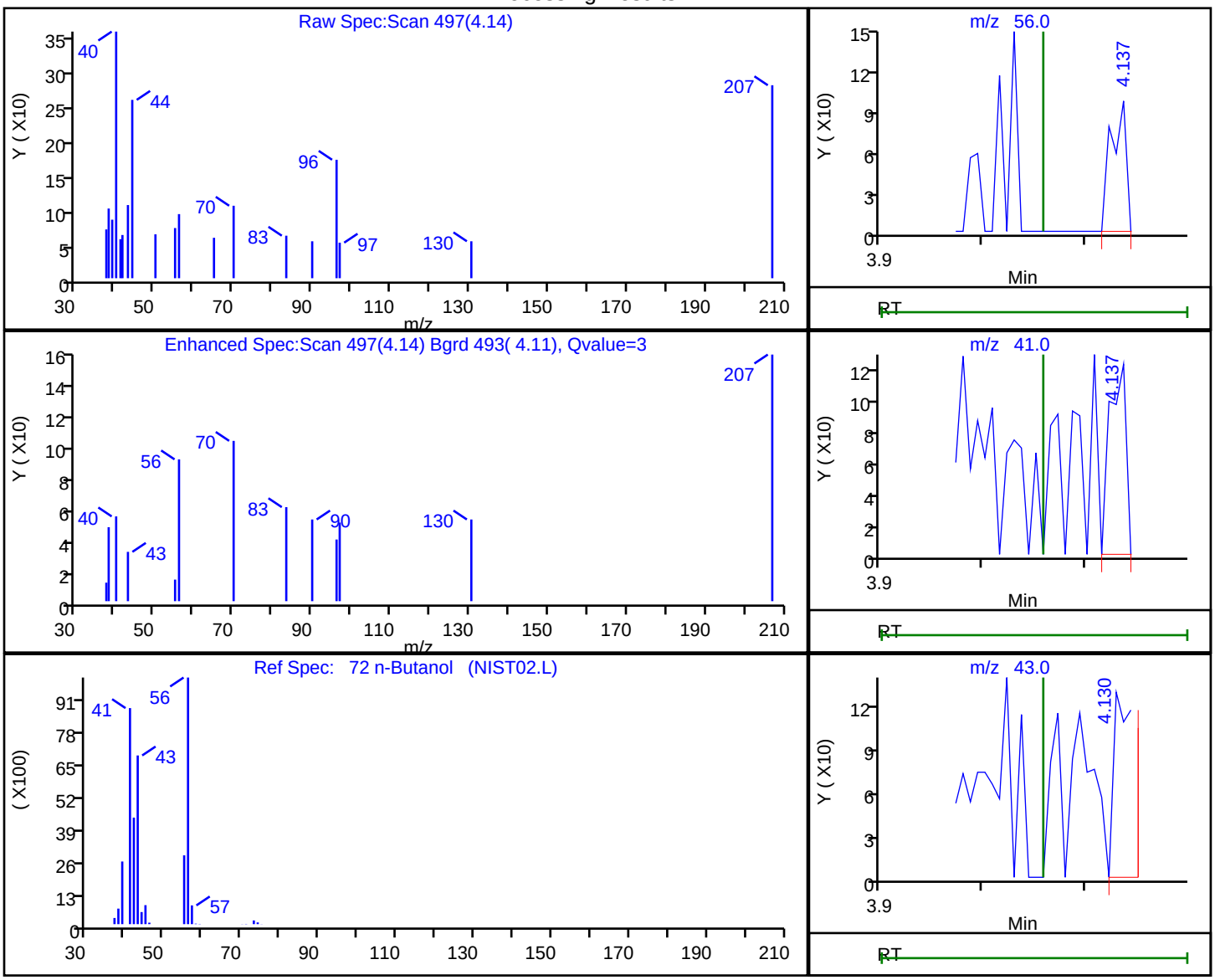
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

72 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.14	56.00	95	1.260468
4.14	41.00	132	
4.13	43.00	182	

Reviewer: desais, 23-Aug-2019 09:39:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

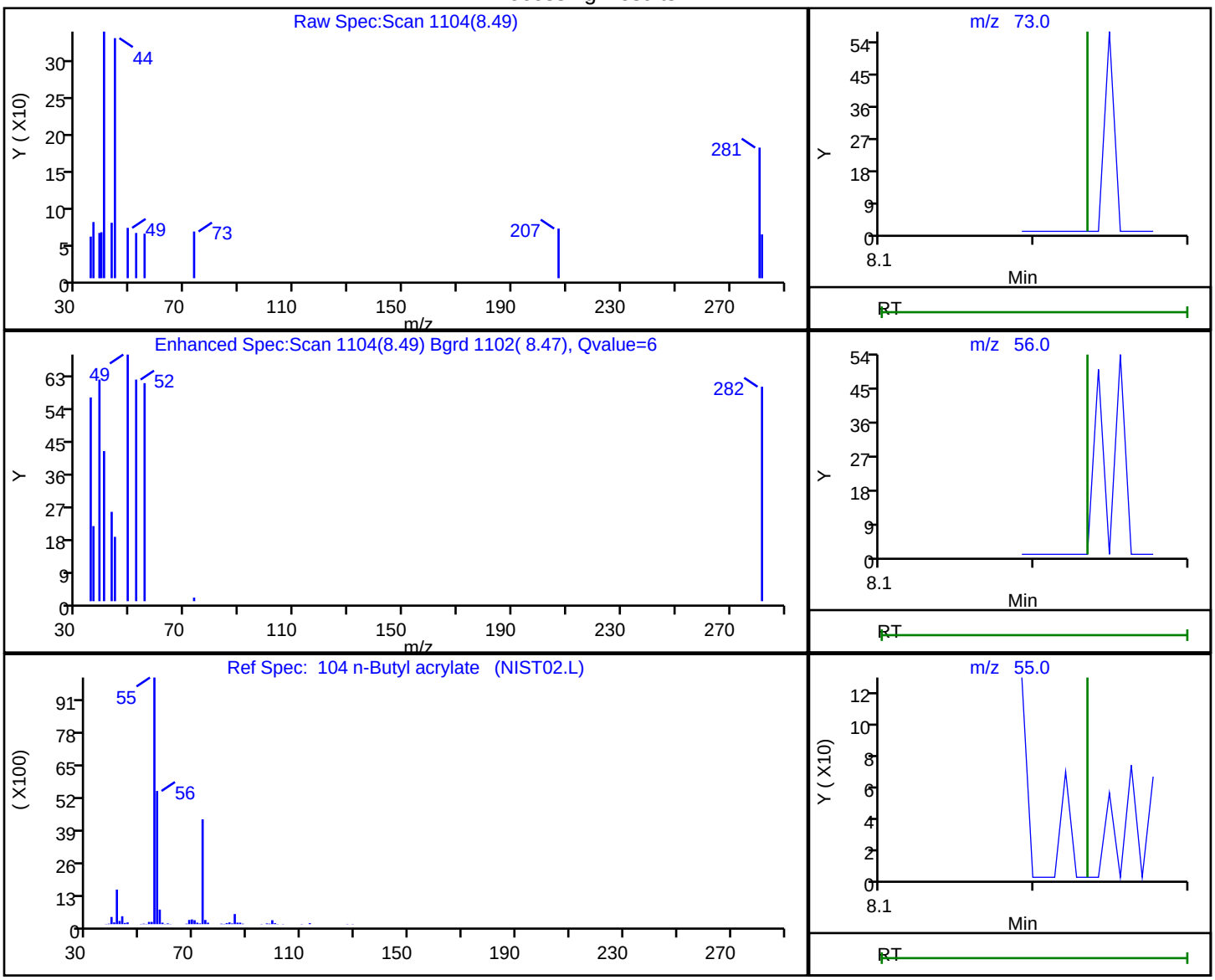
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

104 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
8.49	73.00	28	0.008878
8.49	56.00	49	
8.49	55.00	26	

Reviewer: desais, 23-Aug-2019 09:40:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

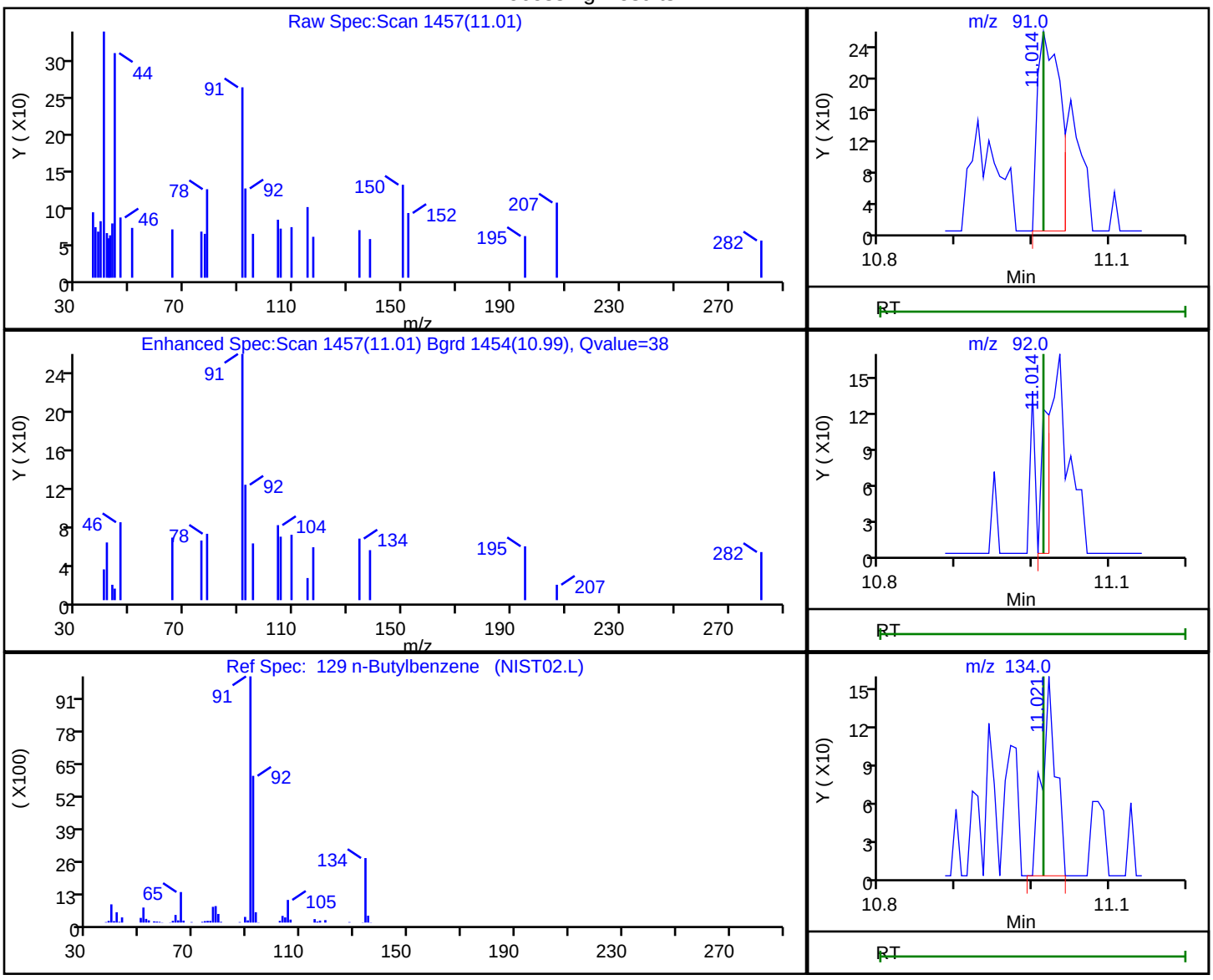
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

129 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.01	91.00	525	0.053409
11.01	92.00	101	
11.02	134.00	192	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

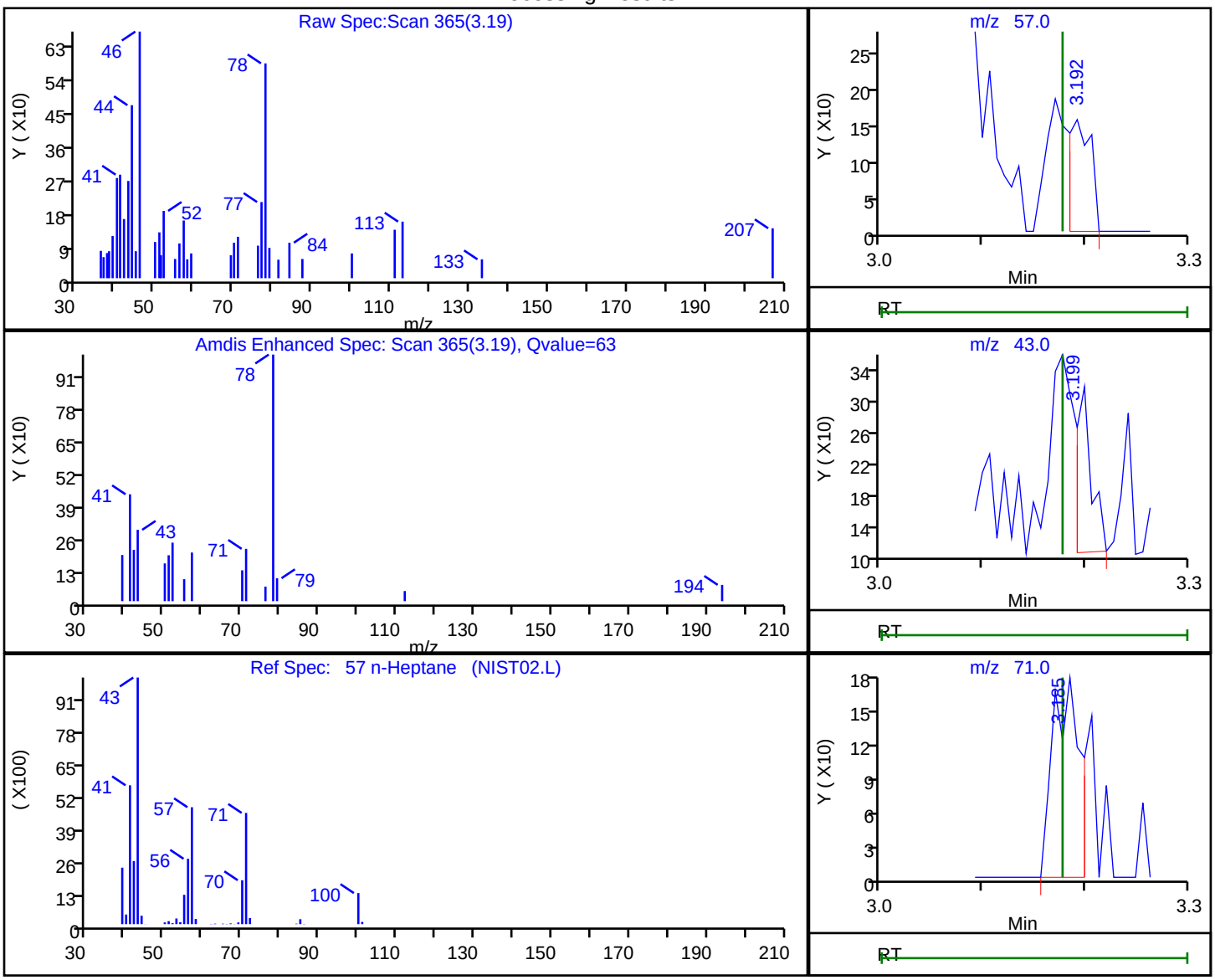
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
3.19	57.00	236	0.119188
3.20	43.00	214	
3.18	71.00	317	

Reviewer: desais, 23-Aug-2019 09:38:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

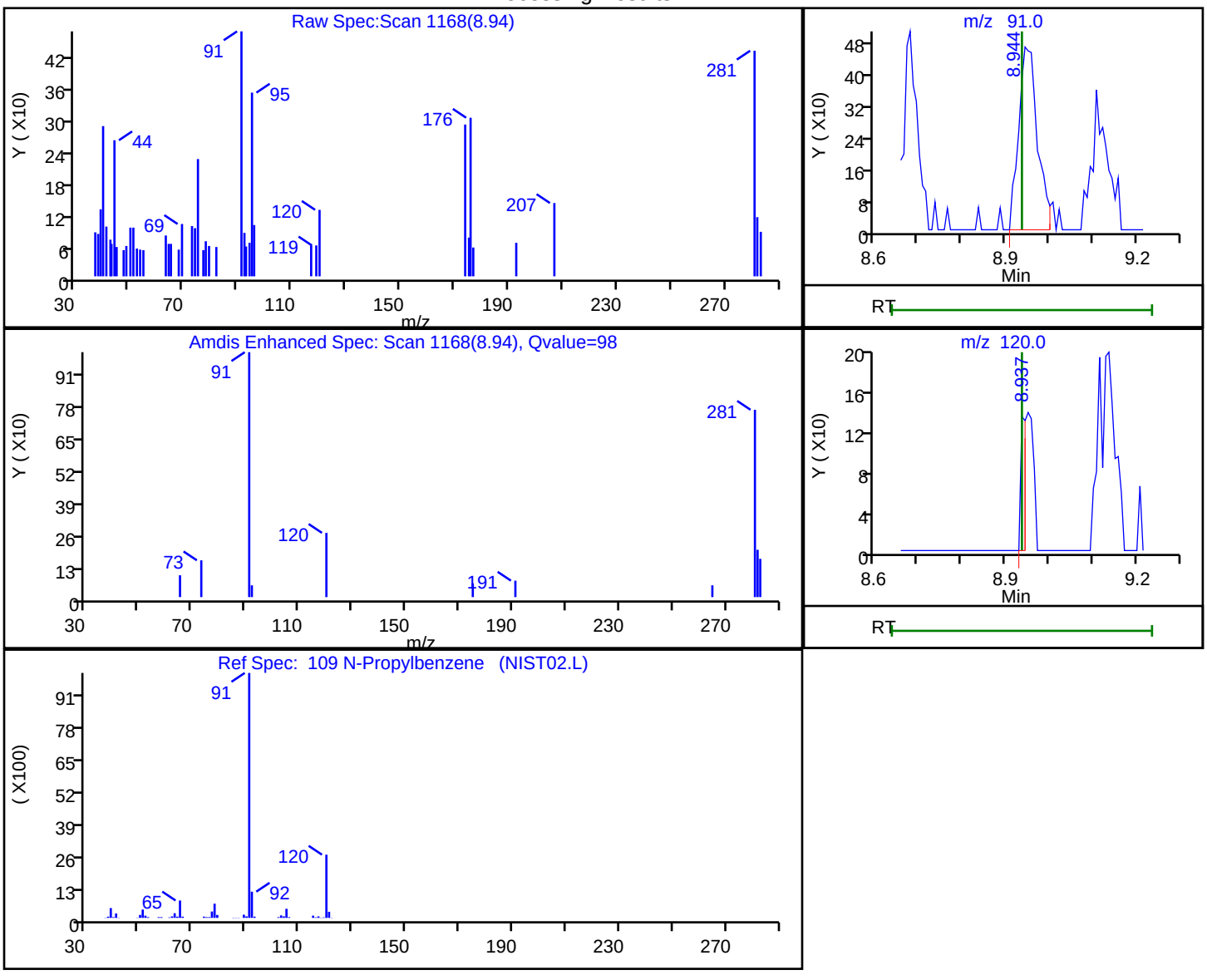
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

109 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
8.94	91.00	1414	0.076721
8.94	120.00	111	

Reviewer: desais, 23-Aug-2019 09:40:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

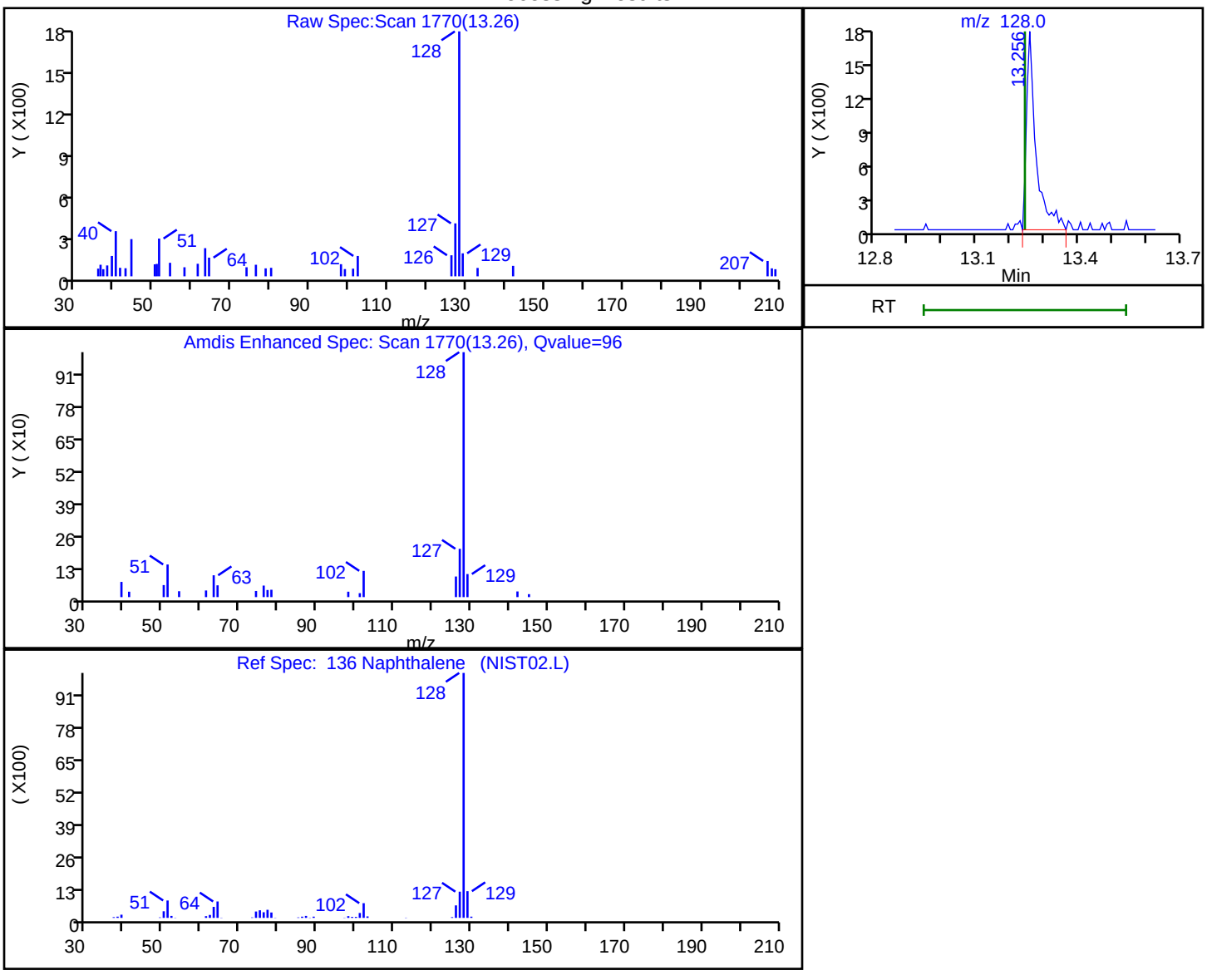
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

136 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
13.26	128.00	3472	0.354401

Reviewer: desais, 23-Aug-2019 09:40:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

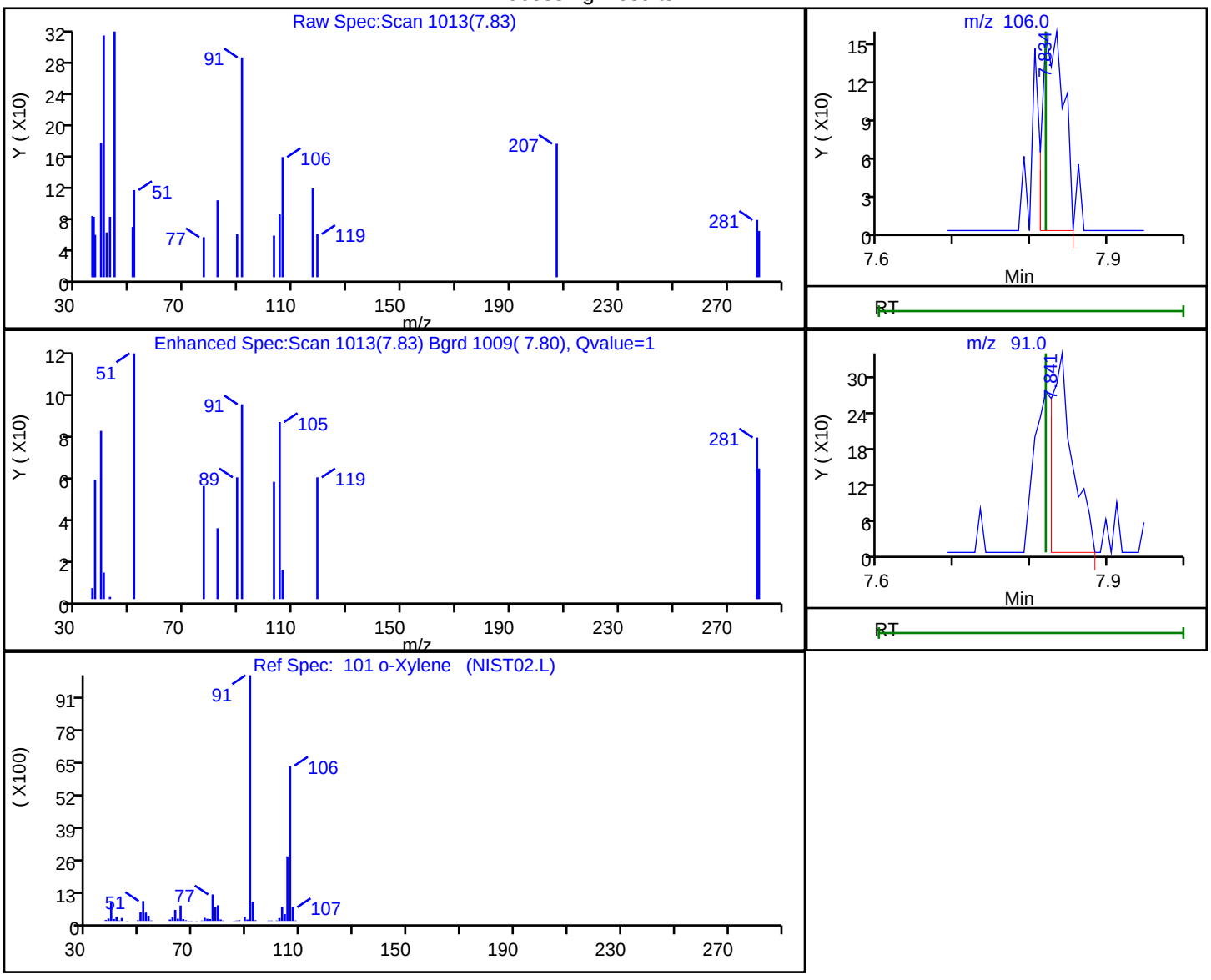
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

101 o-Xylene, CAS: 95-47-6

Processing Results



RT	Mass	Response	Amount
7.83	106.00	296	0.041449
7.84	91.00	628	

Reviewer: desais, 23-Aug-2019 09:39:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

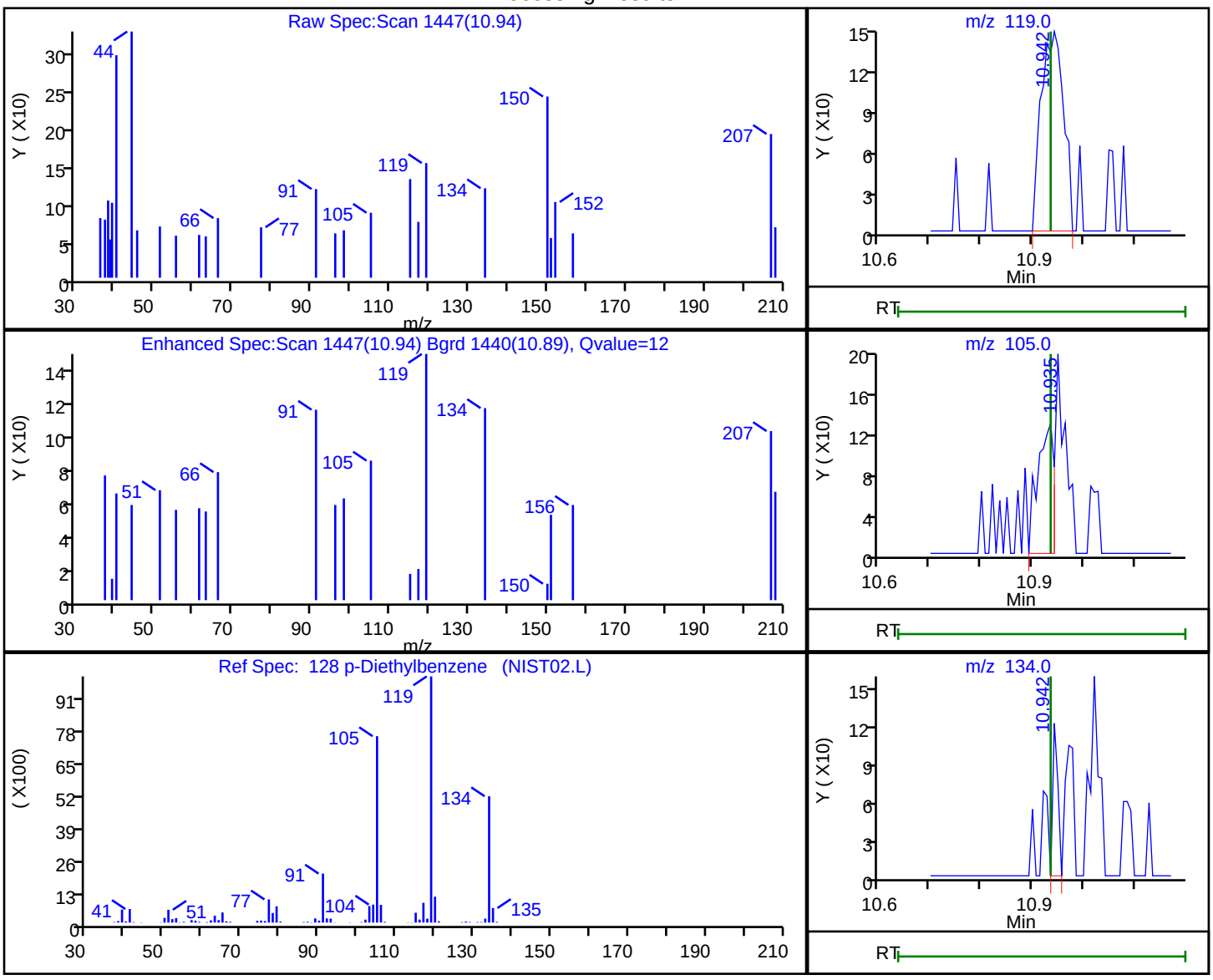
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

128 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
10.94	119.00	459	0.074798
10.94	105.00	284	
10.94	134.00	80	

Reviewer: desais, 23-Aug-2019 09:40:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

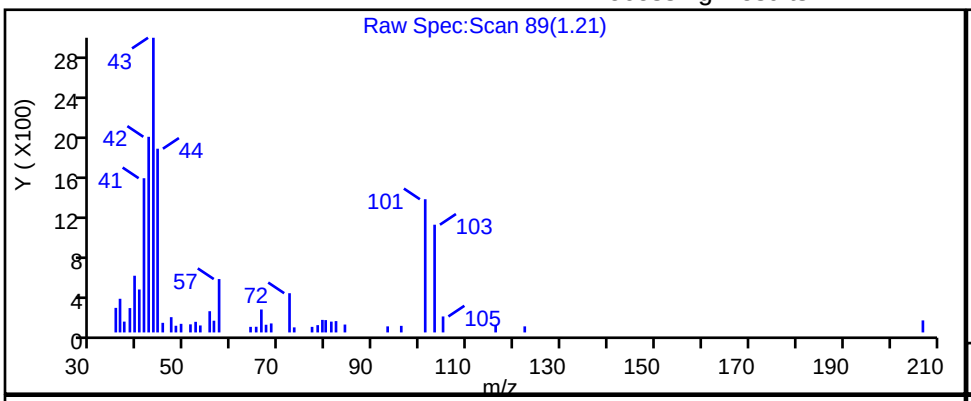
User Disabled Compound Report

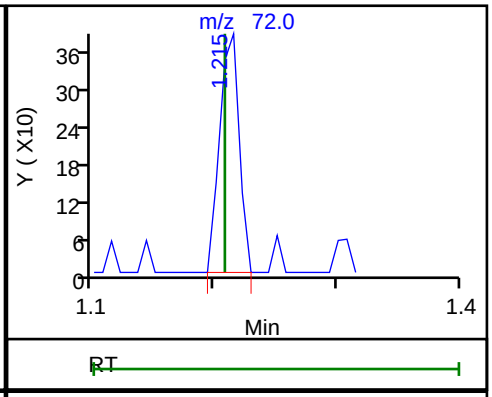
Eurofins TestAmerica, Edison

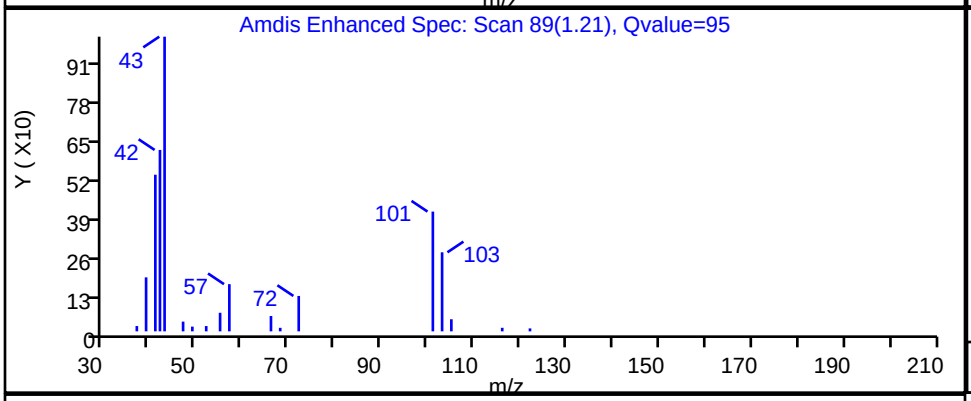
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

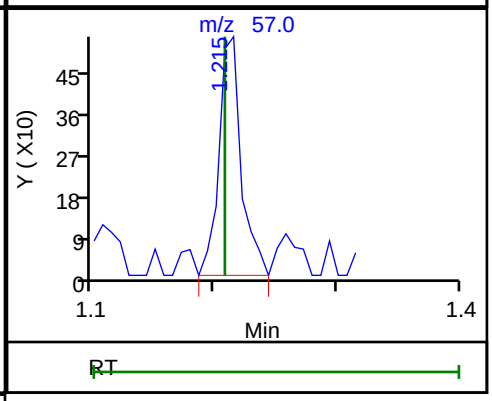
11 Pentane, CAS: 109-66-0

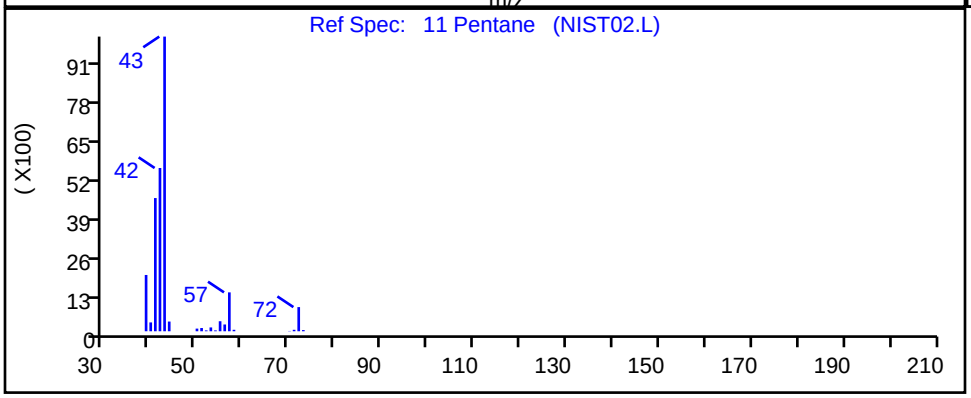
Processing Results











RT	Mass	Response	Amount
1.21	72.00	433	0.623040
1.21	57.00	668	

Reviewer: desais, 23-Aug-2019 09:37:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

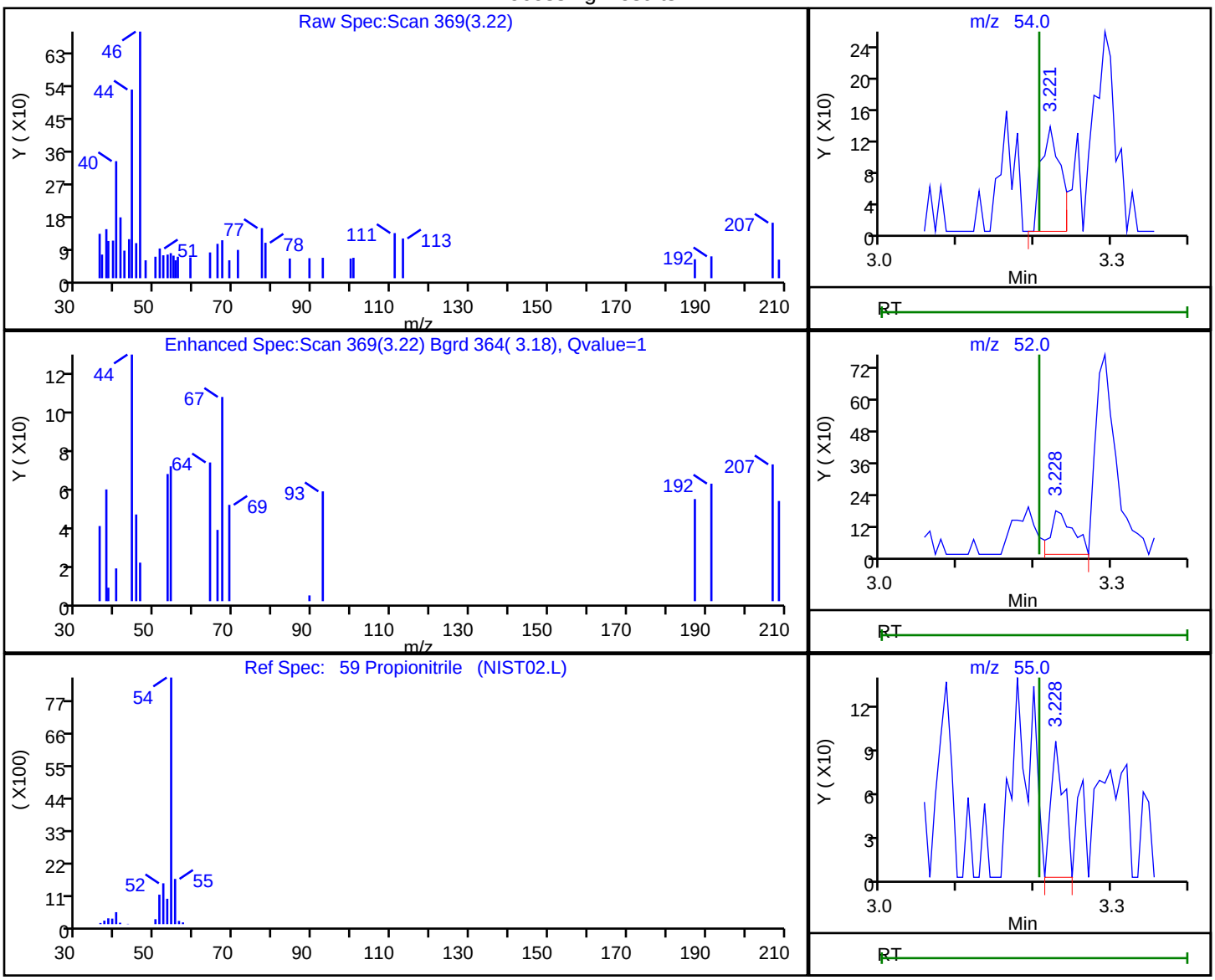
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

59 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
3.22	54.00	235	0.497416
3.23	52.00	338	
3.23	55.00	113	

Reviewer: desais, 23-Aug-2019 09:38:52

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

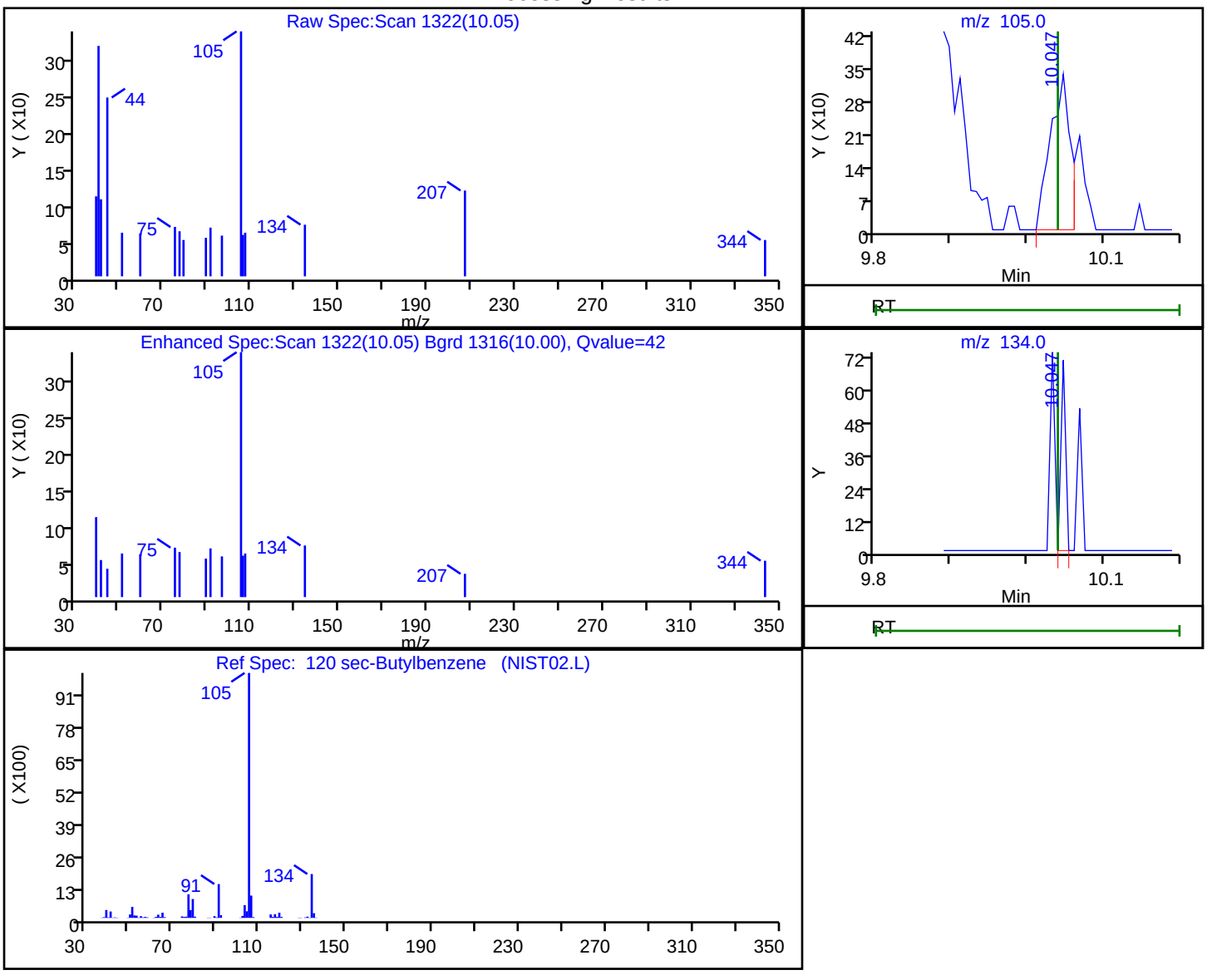
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

120 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
10.05	105.00	613	0.044830
10.05	134.00	30	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

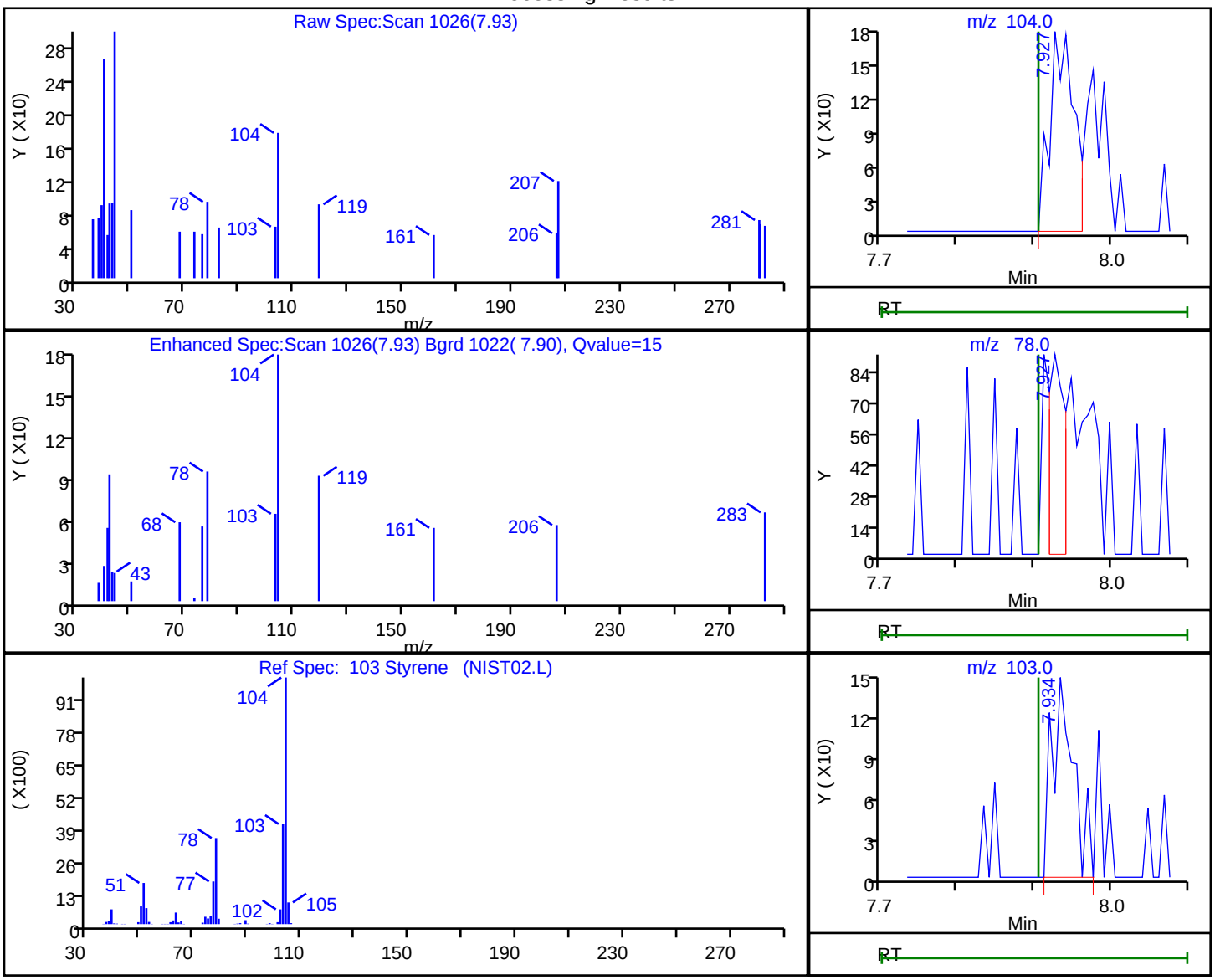
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

103 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.93	104.00	386	0.028478
7.93	78.00	133	
7.93	103.00	290	

Reviewer: desais, 23-Aug-2019 09:39:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

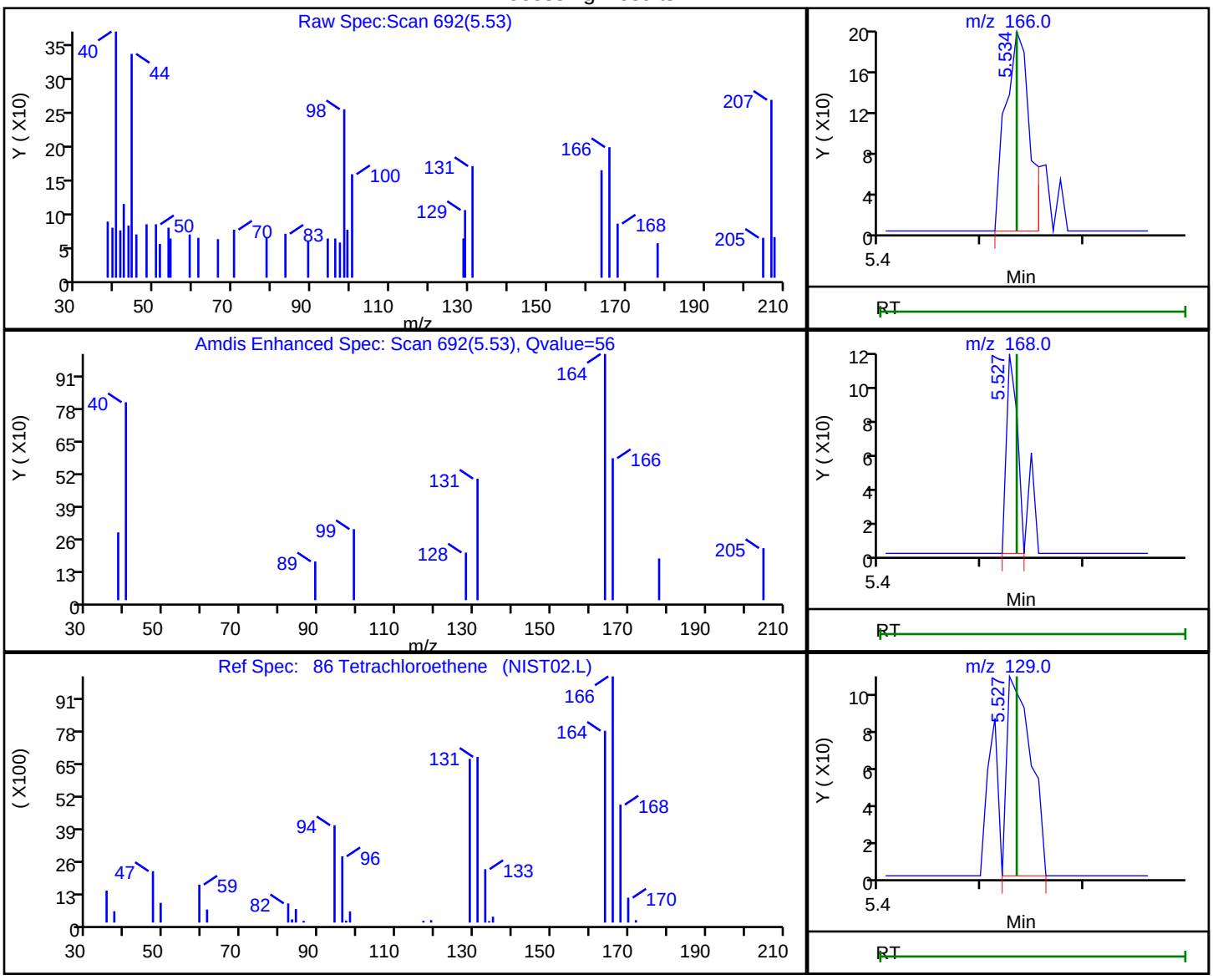
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

86 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
5.53	166.00	319	0.071990
5.53	168.00	83	
5.53	129.00	178	

Reviewer: desais, 23-Aug-2019 09:39:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

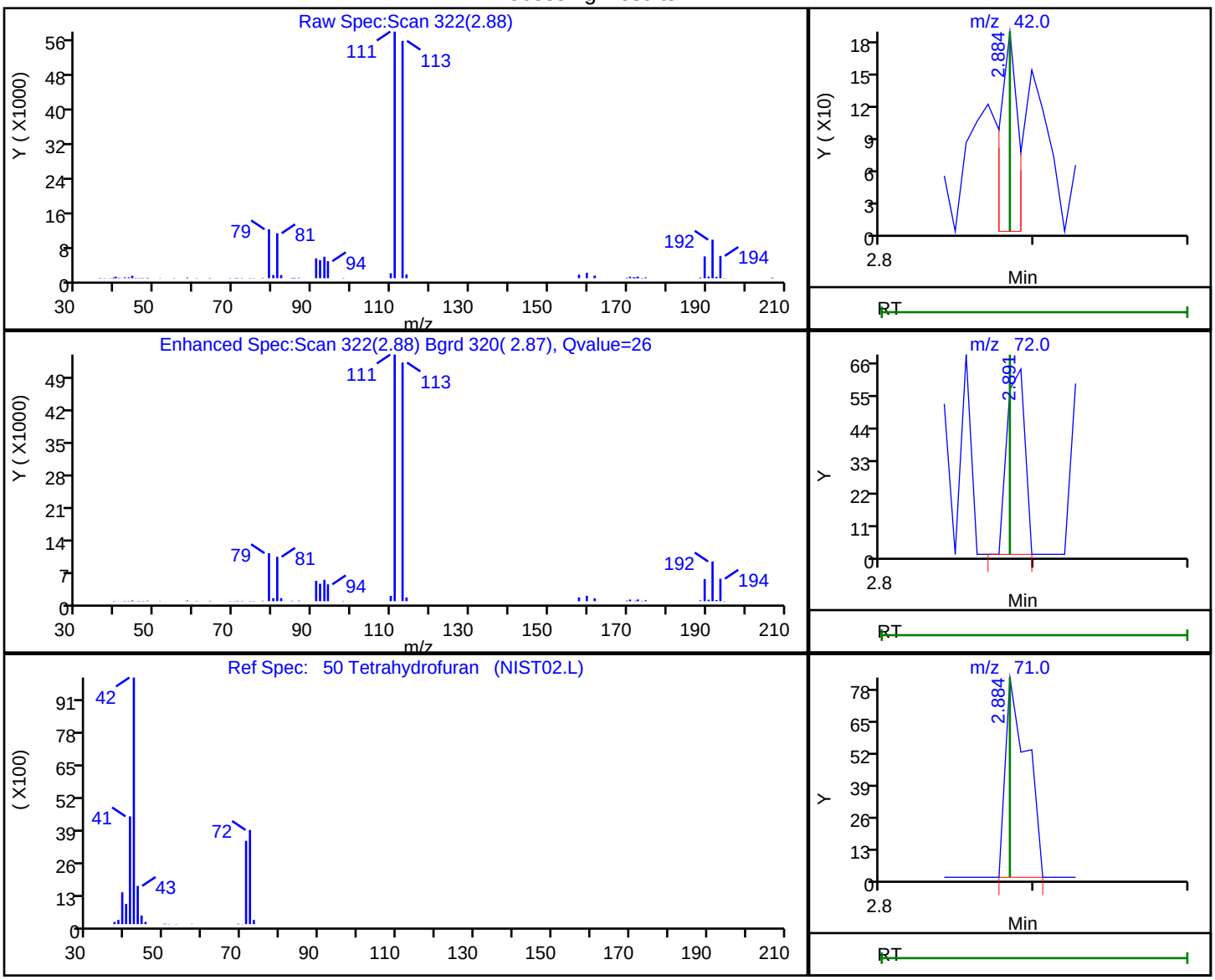
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

50 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
2.88	42.00	153	0.100000
2.89	72.00	52	
2.88	71.00	81	

Reviewer: desais, 23-Aug-2019 09:38:43

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

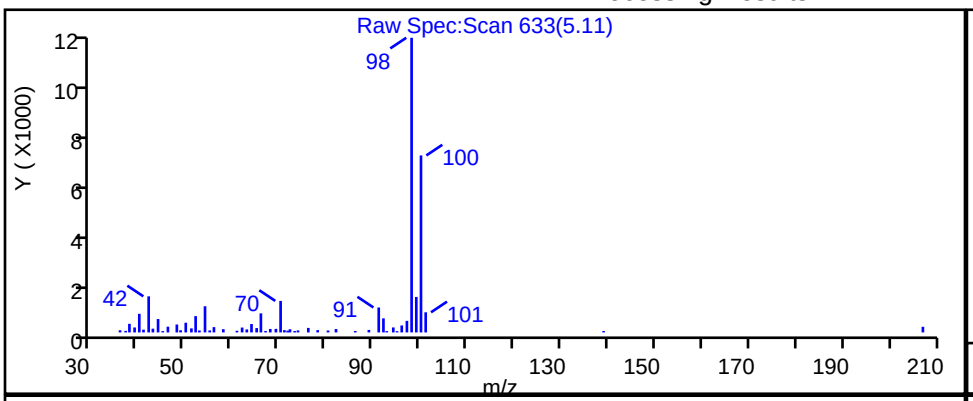
User Disabled Compound Report

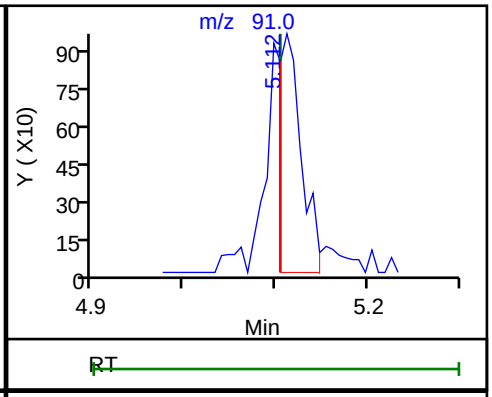
Eurofins TestAmerica, Edison

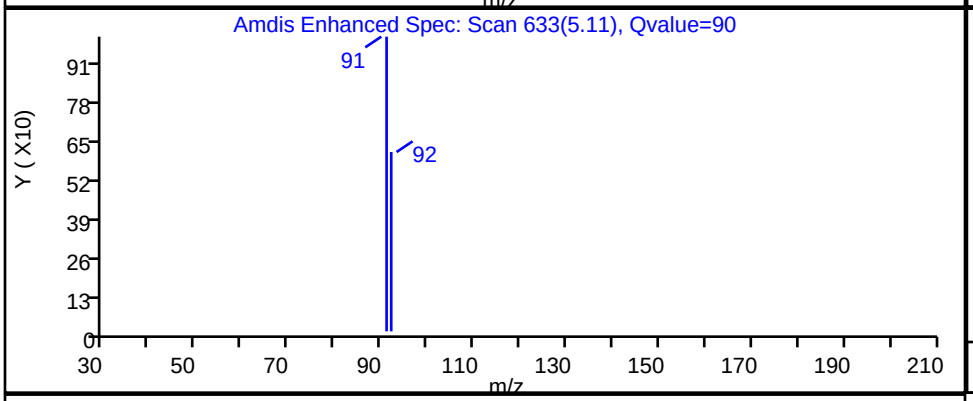
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

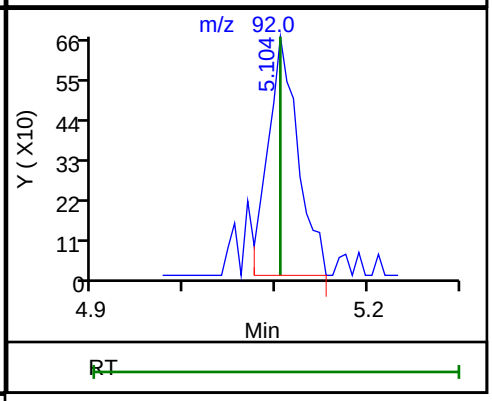
83 Toluene, CAS: 108-88-3

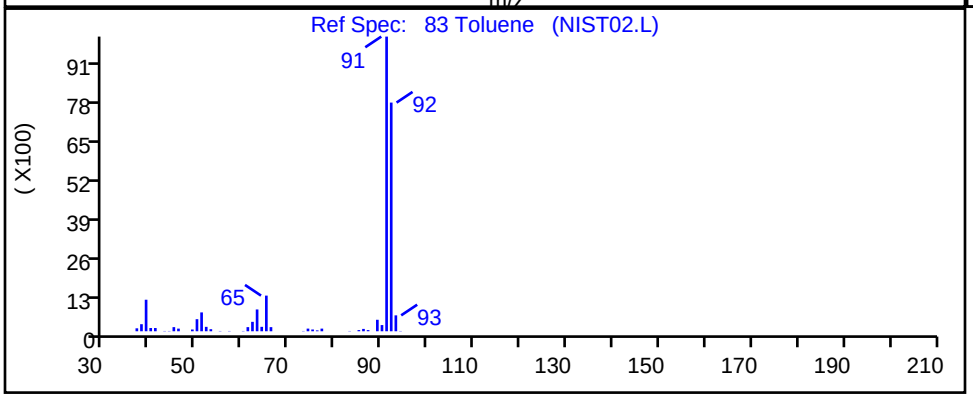
Processing Results











RT	Mass	Response	Amount
5.11	91.00	1637	0.085522
5.10	92.00	1517	

Reviewer: desais, 23-Aug-2019 09:39:07

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

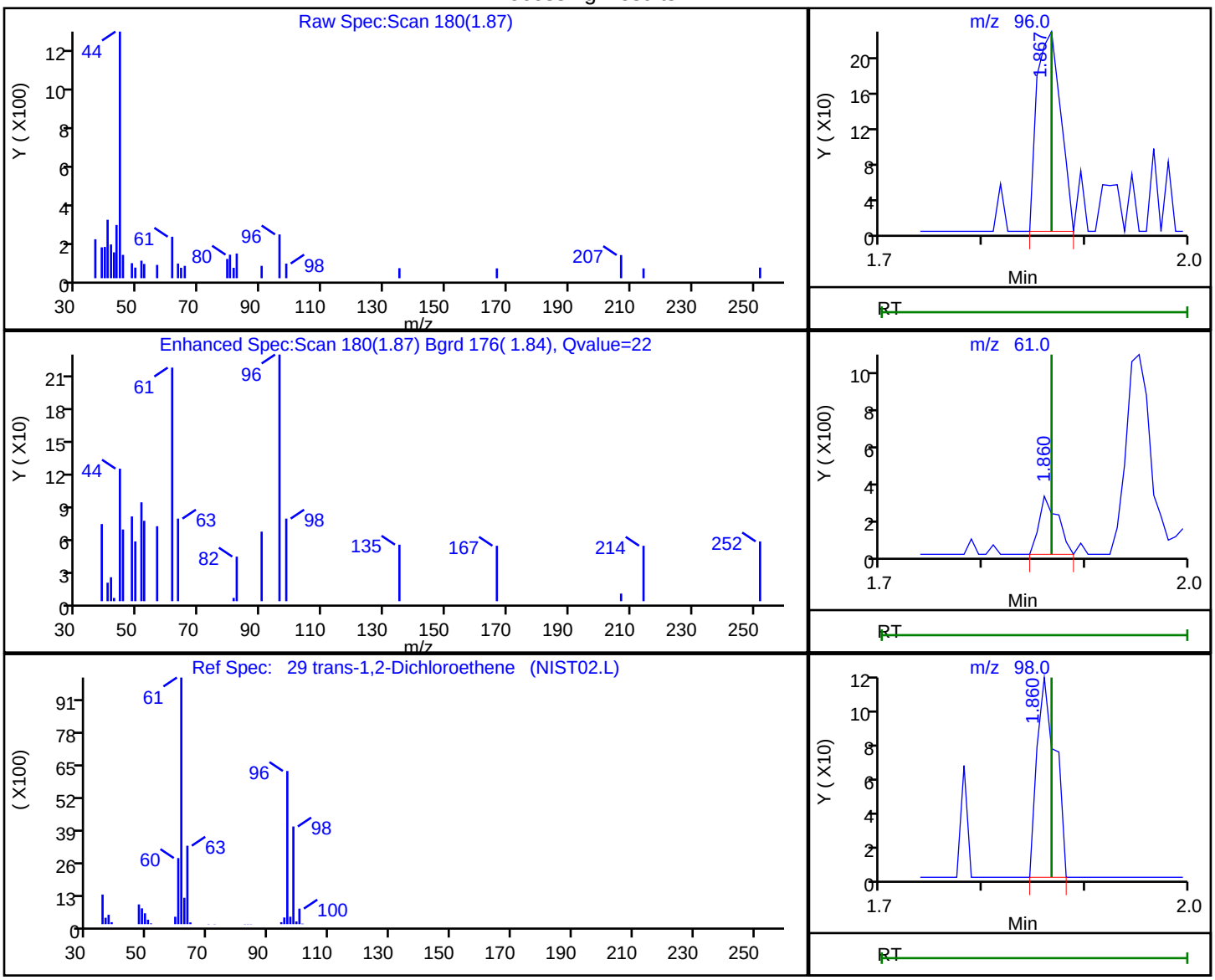
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
1.87	96.00	364	0.068587
1.86	61.00	391	
1.86	98.00	148	

Reviewer: desais, 23-Aug-2019 09:38:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

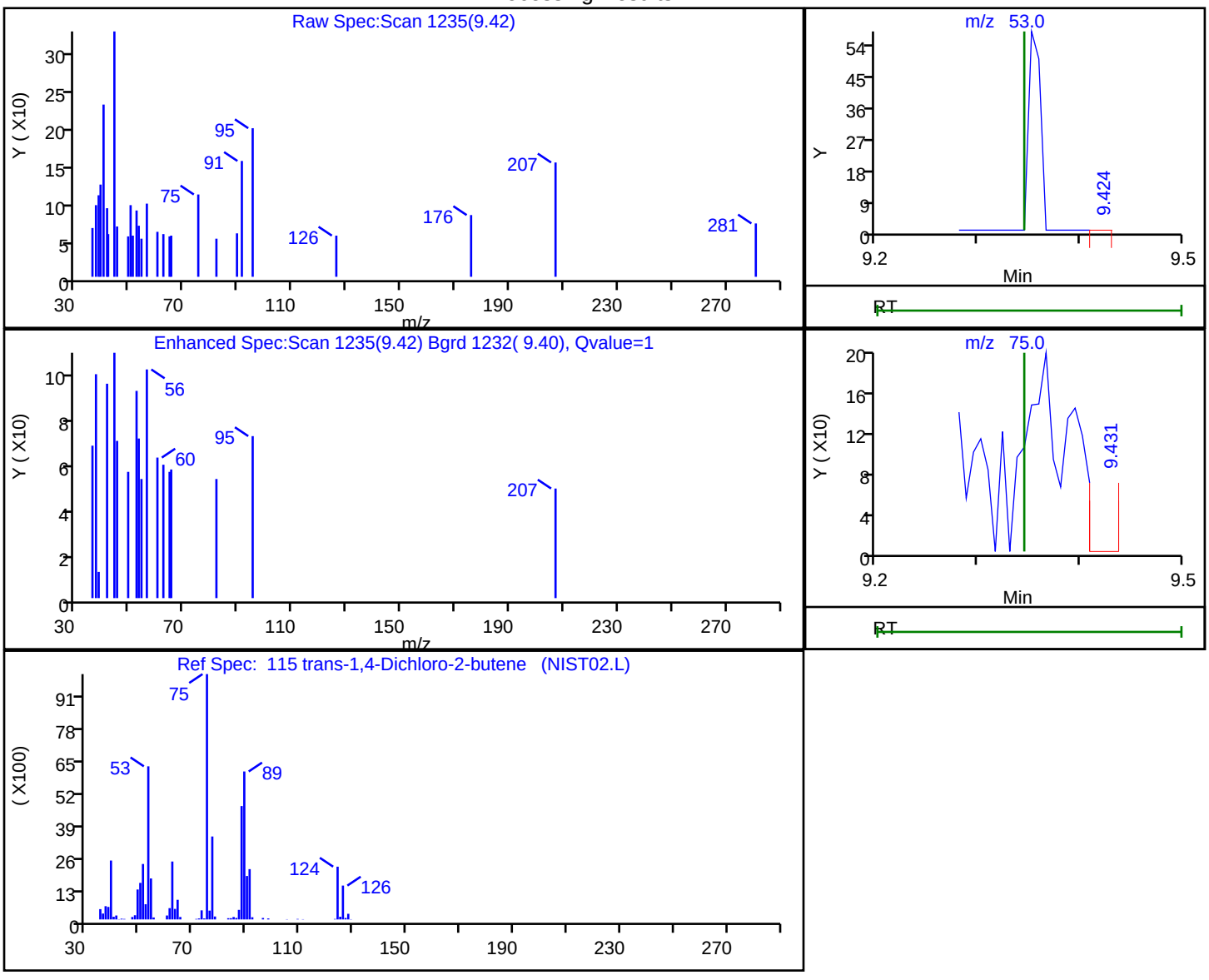
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

115 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Processing Results



RT	Mass	Response	Amount
9.42	53.00	53	0.383100
9.43	75.00	180	

Reviewer: desais, 23-Aug-2019 09:40:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

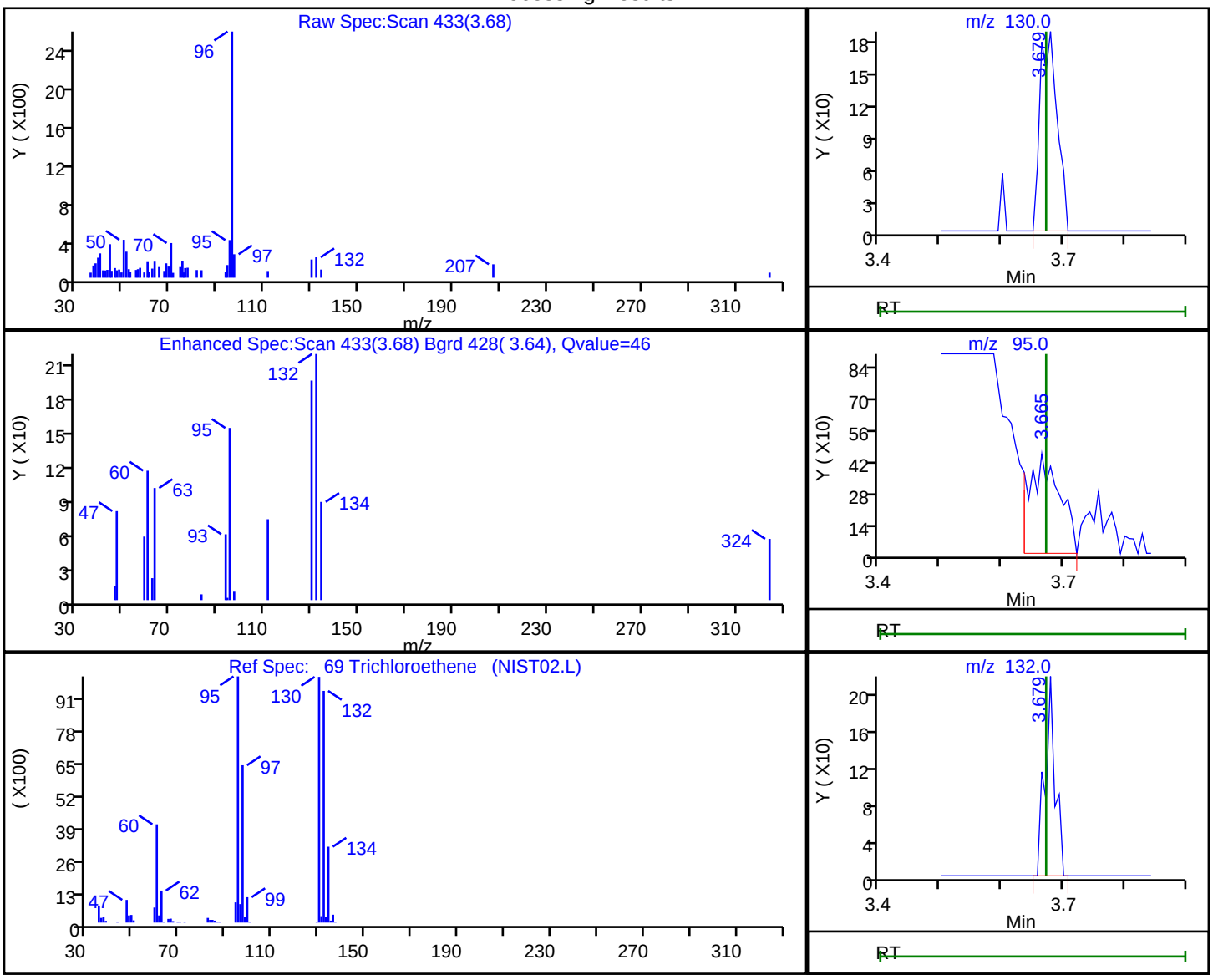
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D		
Injection Date:	23-Aug-2019 08:16:30	Instrument ID:	CVOAMS13
Lims ID:	STD8		
Client ID:			
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

69 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
3.68	130.00	369	0.081398
3.66	95.00	1551	
3.68	132.00	243	

Reviewer: desais, 23-Aug-2019 09:38:59

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

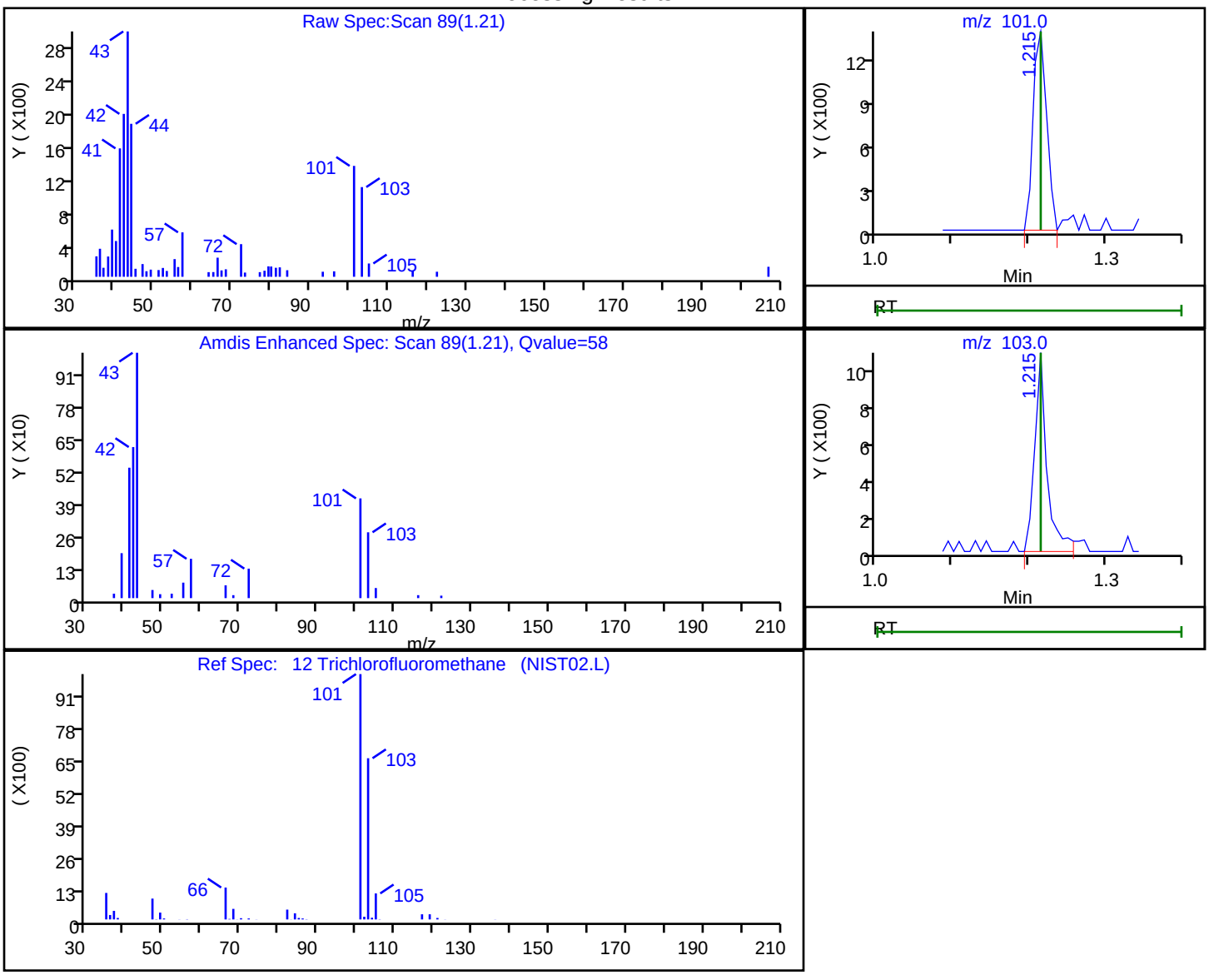
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
1.21	101.00	1626	0.174051
1.21	103.00	1199	

Reviewer: desais, 23-Aug-2019 09:37:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

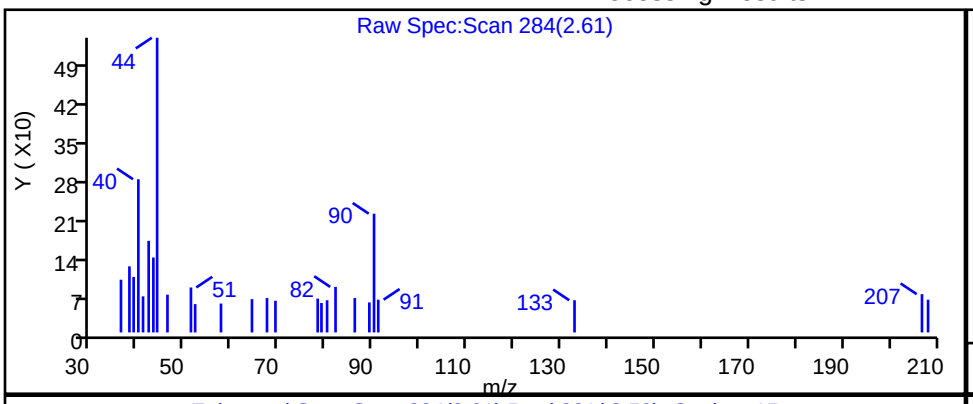
User Disabled Compound Report

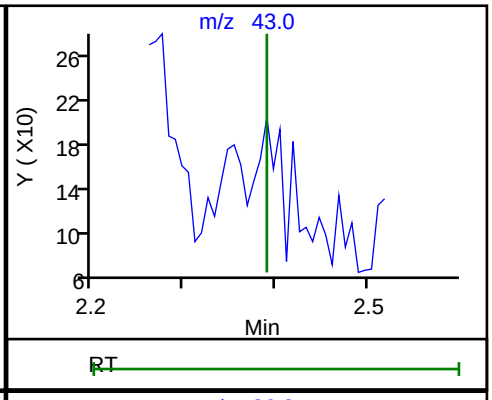
Eurofins TestAmerica, Edison

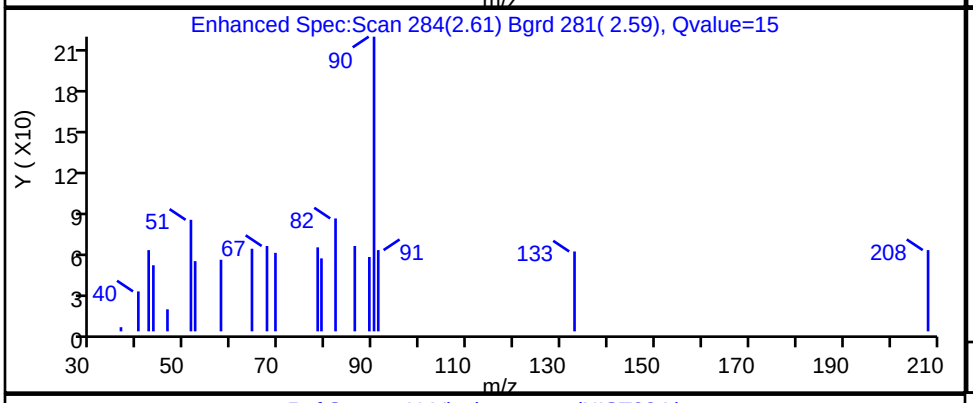
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

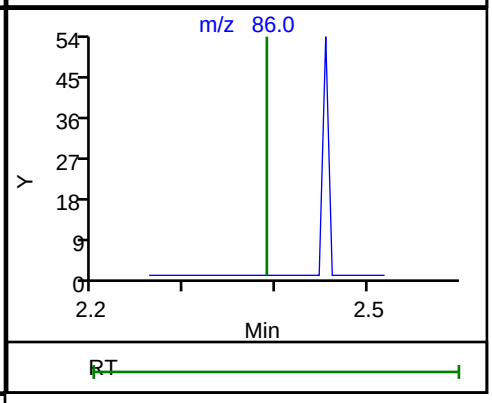
41 Vinyl acetate, CAS: 108-05-4

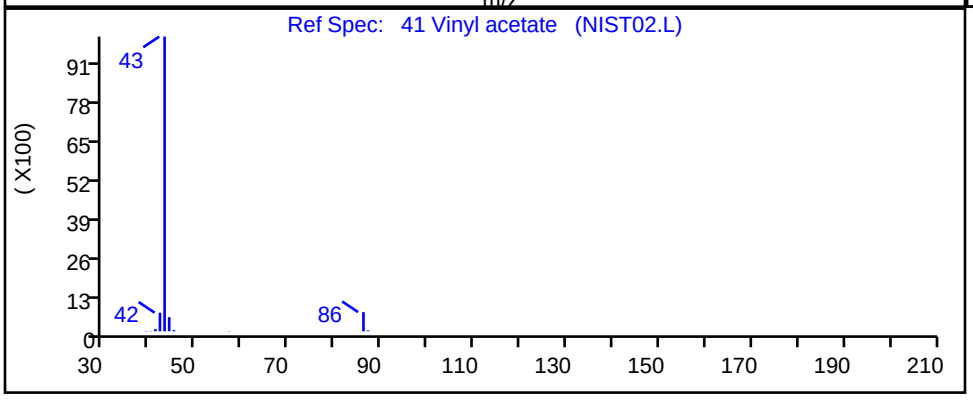
Processing Results











RT	Mass	Response	Amount
2.61	43.00	207	0.023503
2.62	86.00	63	

Reviewer: desais, 23-Aug-2019 09:38:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

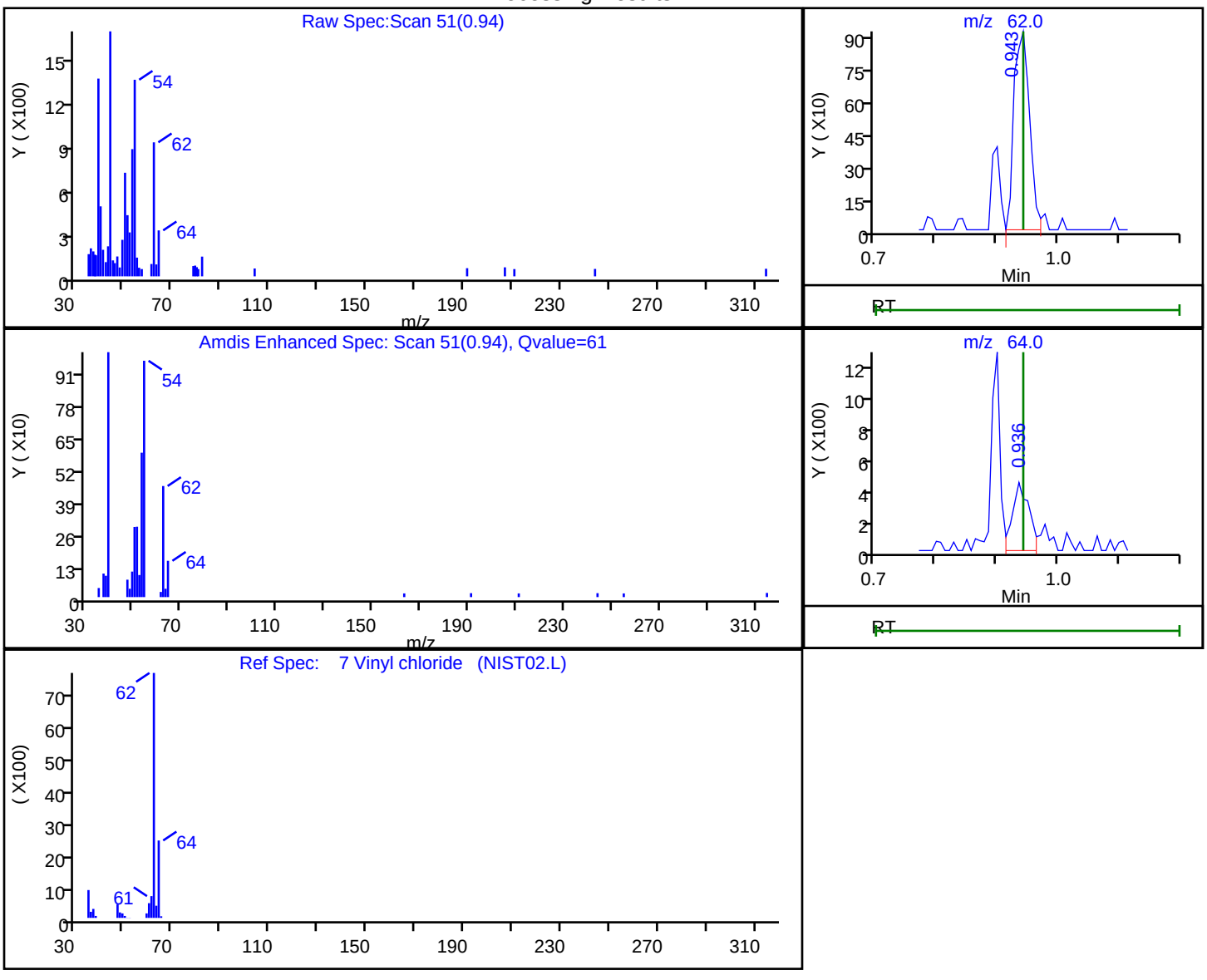
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65040.D
Injection Date: 23-Aug-2019 08:16:30 Instrument ID: CVOAMS13
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
0.94	62.00	1653	0.279339
0.94	64.00	800	

Reviewer: desais, 23-Aug-2019 09:37:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Aug-2019 09:06:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0096522-004
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:35:35 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 09:30:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.735	0.756	-0.021	1	275	1.00	2.91	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	86	697	1.00	0.8722	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	98	5779	1.00	1.21	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	93	2192	1.00	1.00	
5 Chlorodifluoromethane	67	0.843	0.835	0.008	96	1026	1.00	1.12	a
6 Chloromethane	50	0.914	0.914	0.000	99	5212	1.00	1.09	
8 Butadiene	54	0.936	0.936	0.000	97	5142	1.00	0.9880	
7 Vinyl chloride	62	0.943	0.943	0.000	73	5754	1.00	1.07	
9 Bromomethane	94	1.086	1.086	0.000	97	1812	1.00	1.20	
10 Chloroethane	64	1.151	1.150	0.001	98	3650	1.00	1.30	
11 Pentane	72	1.215	1.208	0.007	97	1588	2.00	1.96	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	59	6364	1.00	1.18	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	8653	1.00	1.15	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	93	5144	1.00	0.99	
15 Ethyl ether	59	1.365	1.365	0.000	95	3386	1.00	1.00	
16 Ethanol	46	1.437	1.444	-0.007	99	1024	40.0	47.3	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	97	3196	1.00	1.04	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	79	6148	1.00	1.08	
19 Carbon disulfide	76	1.480	1.480	0.000	100	12122	1.00	1.03	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	90	3269	1.00	1.07	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	93	5355	1.00	1.00	
22 Iodomethane	142	1.552	1.544	0.008	72	474	1.00	0.1075	
23 Cyclopentene	67	1.616	1.616	0.000	97	9663	1.00	1.02	
24 Acrolein	56	1.638	1.637	0.001	95	1313	4.00	4.28	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	88	2181	1.00	0.99	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	3196	10.0	13.4	
27 Methylene Chloride	84	1.774	1.774	0.000	95	5564	1.00	1.29	
28 Acetone	43	1.802	1.802	0.000	83	5663	5.00	5.46	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	3502	1.00	0.9700	
30 Methyl acetate	43	1.874	1.874	0.000	100	6218	2.00	2.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	74	695	1.00	1.08	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	95	10492	1.00	0.9468	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	297430	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	97	4059	10.0	12.2	
35 Acetonitrile	41	2.067	2.067	0.000	96	4543	10.0	9.59	
36 Isopropyl ether	45	2.161	2.160	0.001	96	14865	1.00	0.9479	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	94	3313	1.00	1.00	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	8117	1.00	1.05	
39 Acrylonitrile	53	2.261	2.254	0.007	93	14321	10.0	9.31	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	89	13062	1.00	0.9237	
41 Vinyl acetate	43	2.397	2.390	0.007	99	14516	2.00	1.74	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	95	4712	1.00	1.07	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	91	5697	1.00	0.9836	
44 Cyclohexane	56	2.698	2.705	-0.007	96	5865	1.00	0.9418	
45 Chlorobromomethane	128	2.712	2.705	0.007	92	2168	1.00	1.03	
46 Chloroform	83	2.769	2.769	0.000	97	6940	1.00	0.9341	
47 Carbon tetrachloride	117	2.855	2.855	0.000	96	5226	1.00	1.06	
48 Ethyl acetate	70	2.870	2.870	0.000	97	884	2.00	2.04	
49 Methyl acrylate	55	2.877	2.870	0.007	48	3215	1.00	0.9059	
50 Tetrahydrofuran	42	2.884	2.884	0.000	34	2468	2.00	1.69	a
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	197253	50.0	50.5	
52 1,1,1-Trichloroethane	97	2.906	2.905	0.001	91	5899	1.00	0.9751	
* 53 2-Butanone-d5	46	2.956	2.963	-0.007	0	406104	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.998	0.001	94	2618	5.00	5.61	
55 1,1-Dichloropropene	75	2.999	2.998	0.001	87	6685	1.00	1.09	a
56 Isooctane	57	3.085	3.084	0.001	98	6509	1.00	0.9138	
57 n-Heptane	57	3.185	3.178	0.007	43	1647	1.00	0.8845	a
58 Benzene	78	3.192	3.185	0.007	97	16871	1.00	0.9437	
59 Propionitrile	54	3.214	3.206	0.008	60	5346	10.0	9.93	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	13920	10.0	8.88	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	251805	50.0	49.7	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	94	11137	1.00	0.9452	
63 1,2-Dichloroethane	62	3.342	3.349	-0.007	94	6784	1.00	1.11	
64 Isobutyl alcohol	43	3.428	3.428	0.000	96	3024	25.0	21.9	
65 t-Amyl alcohol	59	3.500	3.493	0.007	86	1837	10.0	8.60	a
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	862740	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	97	7121	1.00	0.8717	
68 Methylcyclohexane	83	3.658	3.657	0.001	91	4589	1.00	1.01	
69 Trichloroethene	130	3.679	3.672	0.007	95	4023	1.00	0.9640	
70 2-ethoxy-2-methyl butane	59	3.923	3.922	0.001	93	9441	1.00	0.8732	
71 Dibromomethane	93	4.044	4.037	0.007	94	2230	1.00	0.9034	
72 n-Butanol	56	4.066	4.059	0.007	73	1307	25.0	25.6	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	86	4270	1.00	0.9228	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	5181	1.00	0.9510	
74 Ethyl acrylate	55	4.231	4.216	0.015	73	2697	1.00	1.00	
* 76 1,4-Dioxane-d8	96	4.395	4.402	-0.007	0	34139	1000.0	1000.0	
77 Methyl methacrylate	100	4.417	4.410	0.007	66	1693	2.00	1.71	
78 1,4-Dioxane	88	4.438	4.431	0.007	44	1943	50.0	47.1	
79 n-Propyl acetate	43	4.574	4.567	0.007	98	4462	1.00	0.8024	
80 2-Chloroethyl vinyl ether	63	4.840	4.825	0.015	91	1838	1.00	0.7370	
81 cis-1,3-Dichloropropene	75	4.868	4.854	0.014	97	4645	1.00	0.7138	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	98	830859	50.0	49.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.105	5.104	0.001	93	19378	1.00	1.01	
84 Epichlorohydrin	57	5.140	5.133	0.007	96	5294	20.0	16.5	
85 2-Nitropropane	41	5.355	5.355	0.000	97	1536	2.00	1.72	
86 Tetrachloroethene	166	5.534	5.534	0.000	96	4363	1.00	1.06	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	15551	5.00	4.30	
88 trans-1,3-Dichloropropene	75	5.620	5.606	0.014	90	4454	1.00	0.7490	
89 1,1,2-Trichloroethane	83	5.785	5.778	0.007	94	3090	1.00	0.9787	Ma
90 Ethyl methacrylate	69	5.878	5.864	0.014	88	3652	1.00	0.7209	
91 Chlorodibromomethane	129	5.978	5.978	0.000	96	3206	1.00	0.8567	
92 1,3-Dichloropropane	76	6.100	6.093	0.007	96	5640	1.00	0.8702	
93 Ethylene Dibromide	107	6.229	6.222	0.007	97	2882	1.00	0.8186	
94 n-Butyl acetate	43	6.580	6.573	0.007	98	3533	1.00	1.02	
95 2-Hexanone	43	6.645	6.630	0.015	96	8773	5.00	3.55	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	634847	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	89	12217	1.00	1.05	
98 Ethylbenzene	106	7.024	7.017	0.007	99	5879	1.00	0.9741	
99 1,1,1,2-Tetrachloroethane	131	7.039	7.046	-0.007	80	3265	1.00	0.8875	
100 m-Xylene & p-Xylene	106	7.239	7.232	0.007	0	7454	1.00	0.9884	
101 o-Xylene	106	7.827	7.819	0.008	93	6629	1.00	0.9315	
102 Bromoform	173	7.891	7.884	0.007	92	1613	1.00	0.7467	
103 Styrene	104	7.920	7.905	0.015	94	7766	1.00	1.01	
104 n-Butyl acrylate	73	8.256	8.235	0.021	94	1540	1.00	1.01	
105 Isopropylbenzene	105	8.306	8.306	0.000	97	14486	1.00	0.8568	
106 Amyl acetate (mixed isomer	43	8.665	8.650	0.015	37	3939	1.00	1.02	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	254879	50.0	49.0	
108 Bromobenzene	156	8.786	8.786	0.000	97	4690	1.00	0.9652	
109 N-Propylbenzene	91	8.944	8.937	0.007	99	18157	1.00	0.9057	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	97	4447	1.00	0.9806	
111 2-Chlorotoluene	91	9.116	9.109	0.007	97	14116	1.00	0.9243	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	15025	1.00	0.9001	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	94	1367	1.00	1.02	
114 1,3,5-Trimethylbenzene	105	9.281	9.288	-0.007	93	13177	1.00	0.9287	
115 trans-1,4-Dichloro-2-buten	53	9.374	9.345	0.029	64	966	1.00	1.02	M
116 4-Chlorotoluene	91	9.388	9.374	0.014	98	12719	1.00	0.8802	
117 tert-Butylbenzene	119	9.753	9.746	0.007	91	9479	1.00	0.8997	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	97	12514	1.00	0.8763	
119 Butyl Methacrylate	87	9.897	9.889	0.008	45	2263	1.00	0.3650	
120 sec-Butylbenzene	105	10.047	10.040	0.007	98	12931	1.00	0.8795	
121 1,3-Dichlorobenzene	146	10.305	10.298	0.007	93	8212	1.00	0.9639	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	10400	1.00	0.8514	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	346827	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.463	10.455	0.008	95	9792	1.00	1.06	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	98	13613	1.00	0.8831	
126 2,3-Dihydroindene	117	10.742	10.735	0.007	94	14117	1.00	0.9177	
127 Benzyl chloride	126	10.928	10.906	0.022	78	479	1.00	0.3508	
128 p-Diethylbenzene	119	10.935	10.935	0.000	89	5542	1.00	0.8727	
129 n-Butylbenzene	91	11.021	11.014	0.007	99	8894	1.00	0.8236	
130 1,2-Dichlorobenzene	146	11.136	11.121	0.015	95	8013	1.00	0.9387	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	98	8710	1.00	0.7942	
132 1,2-Dibromo-3-Chloropropan	157	12.225	12.217	0.008	83	451	1.00	1.01	
133 1,3,5-Trichlorobenzene	180	12.275	12.267	0.008	94	5173	1.00	1.03	
134 1,2,4-Trichlorobenzene	180	12.955	12.948	0.007	93	4123	1.00	0.8993	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	93	1787	1.00	0.9787	
136 Naphthalene	128	13.256	13.242	0.014	99	8808	1.00	0.8470	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	93	3932	1.00	0.9121	
S 138 1,2-Dichloroethene, Total	100				0		2.00	2.04	
S 139 1,3-Dichloropropene, Total	100				0		2.00	1.46	
S 140 Xylenes, Total	100				0		2.00	1.92	
S 142 Total BTEX	1				0		5.00	4.85	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00329	Amount Added: 10.00	Units: uL		
8260MIX1COMB_00103	Amount Added: 10.00	Units: uL		
ACROLEIN W_00094	Amount Added: 4.00	Units: uL		
524freon_00009	Amount Added: 10.00	Units: uL		
14DIOXINTER_00103	Amount Added: 30.00	Units: uL		
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00199	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 25-Aug-2019 10:35:37 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D

Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13 Operator ID:

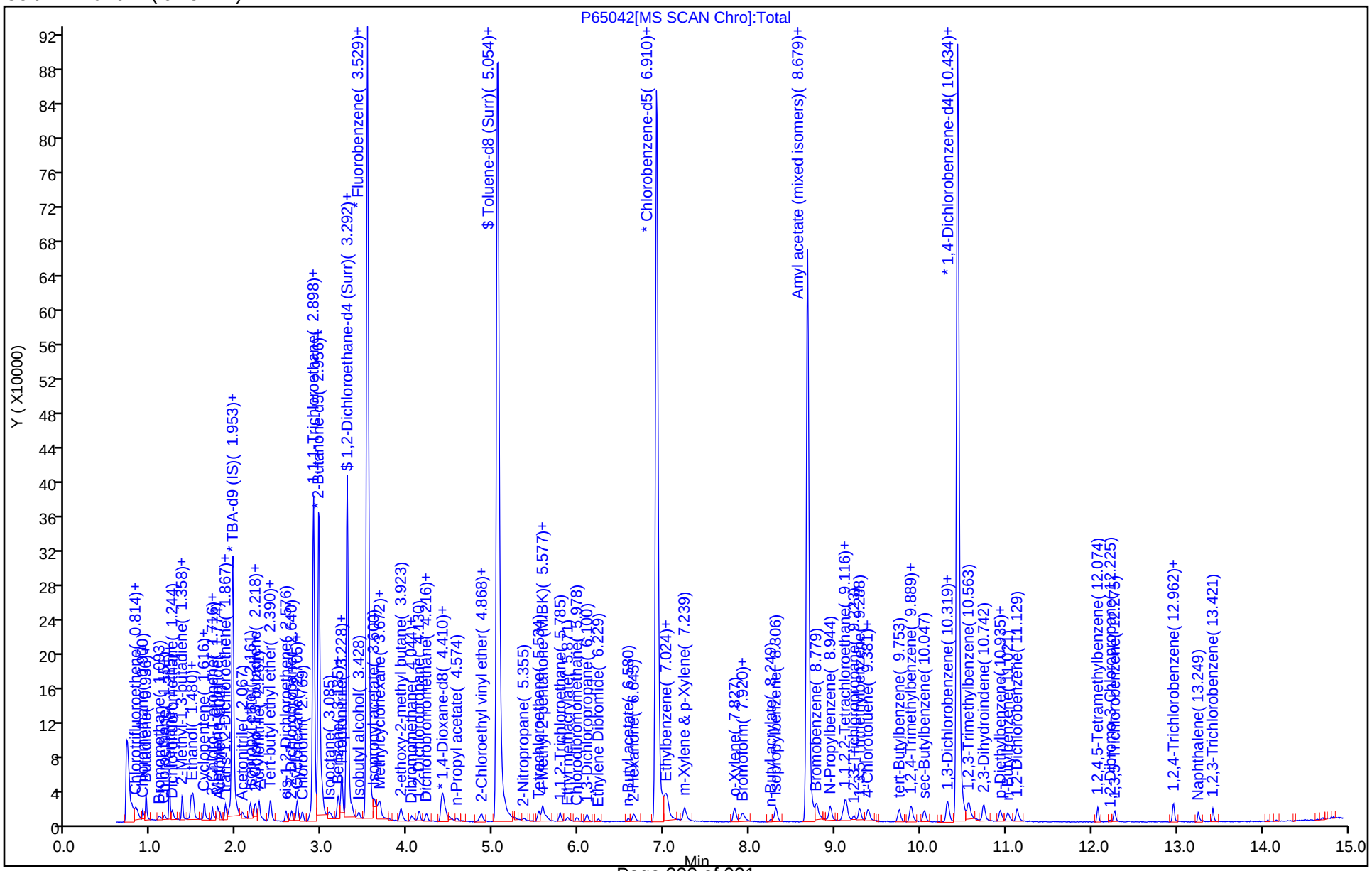
Lims ID: STD1 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

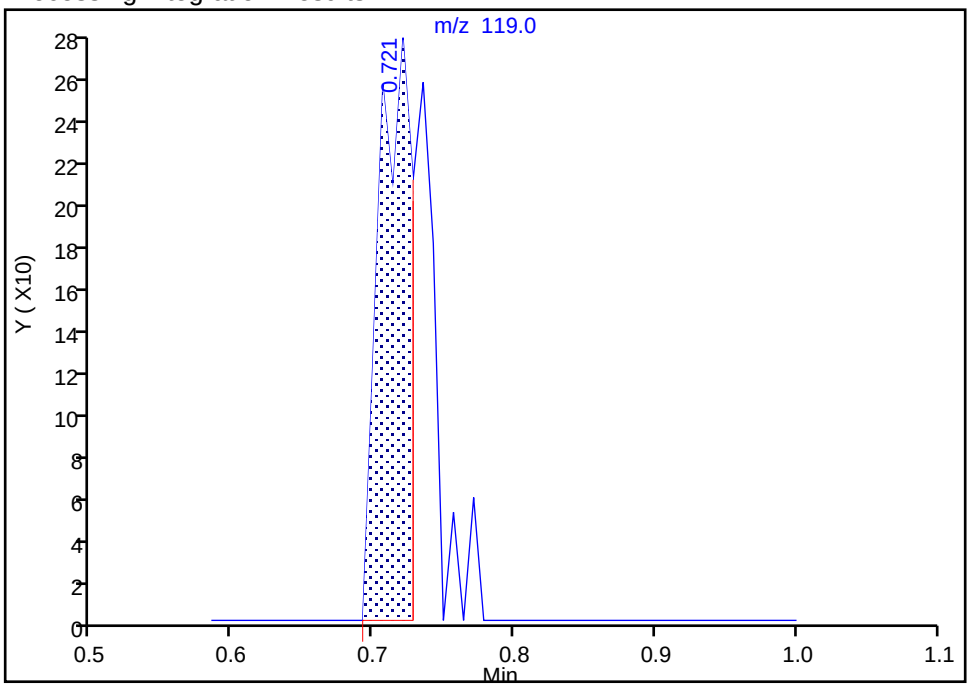
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

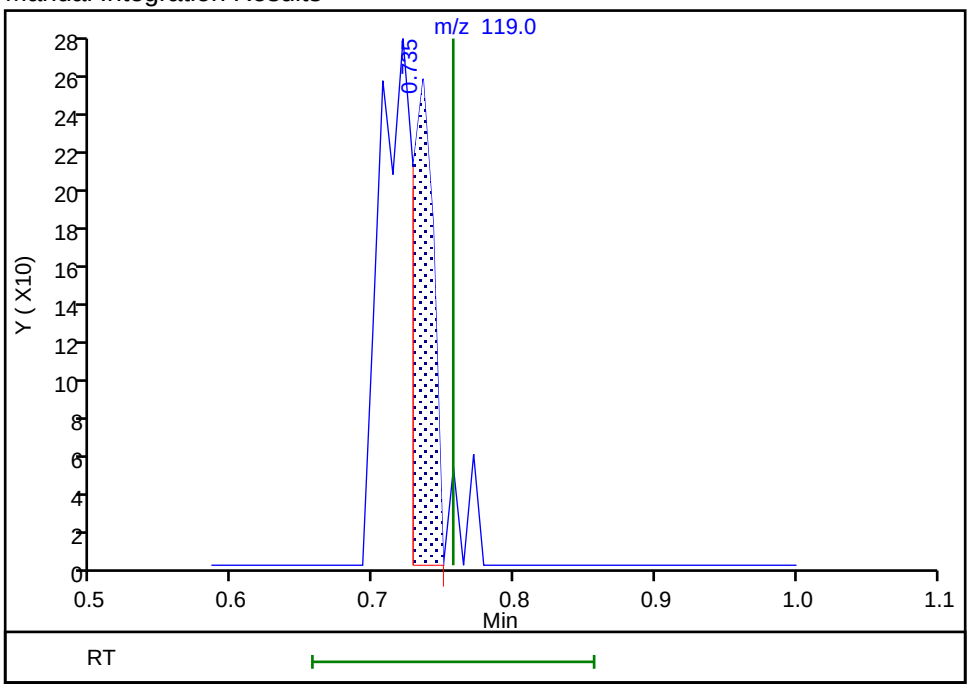
Processing Integration Results

RT: 0.72
Area: 456
Amount: 7.155945
Amount Units: ug/l



Manual Integration Results

RT: 0.74
Area: 275
Amount: 2.910371
Amount Units: ug/l



Reviewer: pakanatir, 23-Aug-2019 17:01:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

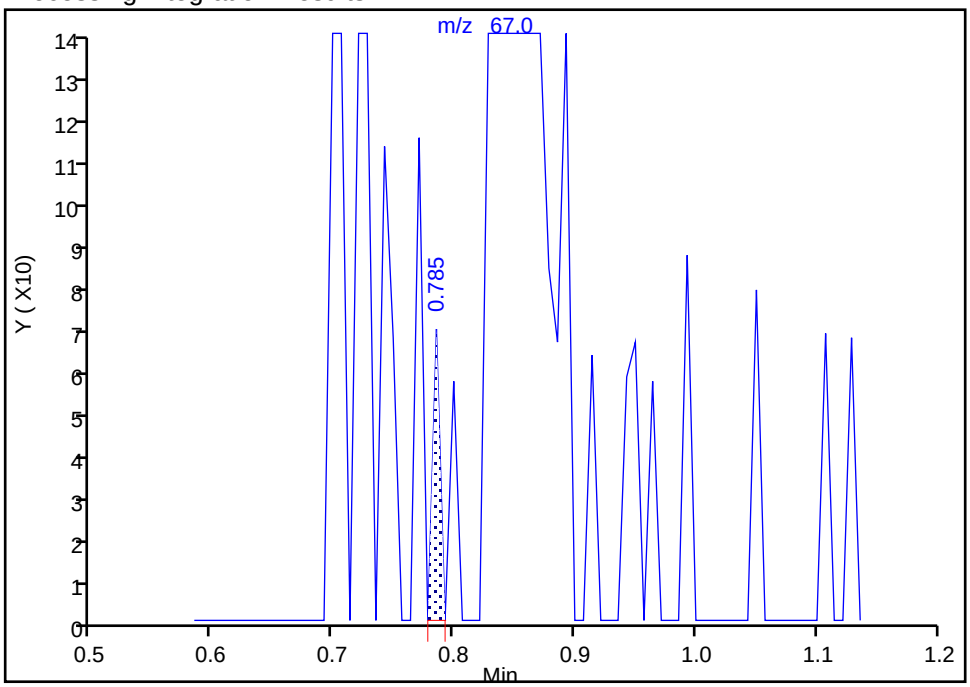
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

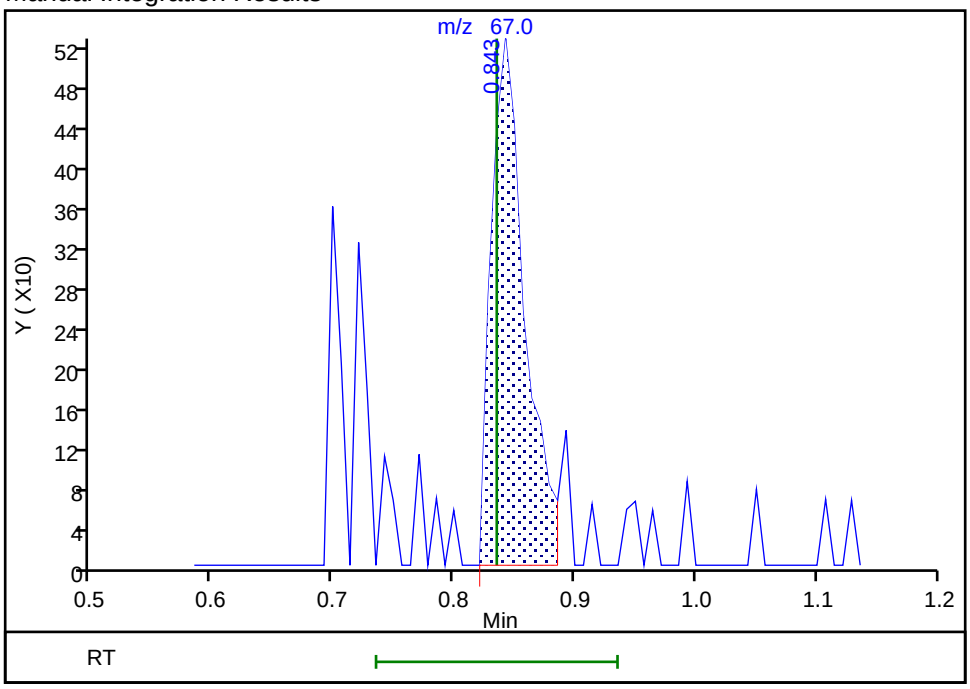
Processing Integration Results

RT: 0.79
Area: 29
Amount: 0.027157
Amount Units: ug/l



Manual Integration Results

RT: 0.84
Area: 1026
Amount: 1.123502
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:28:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

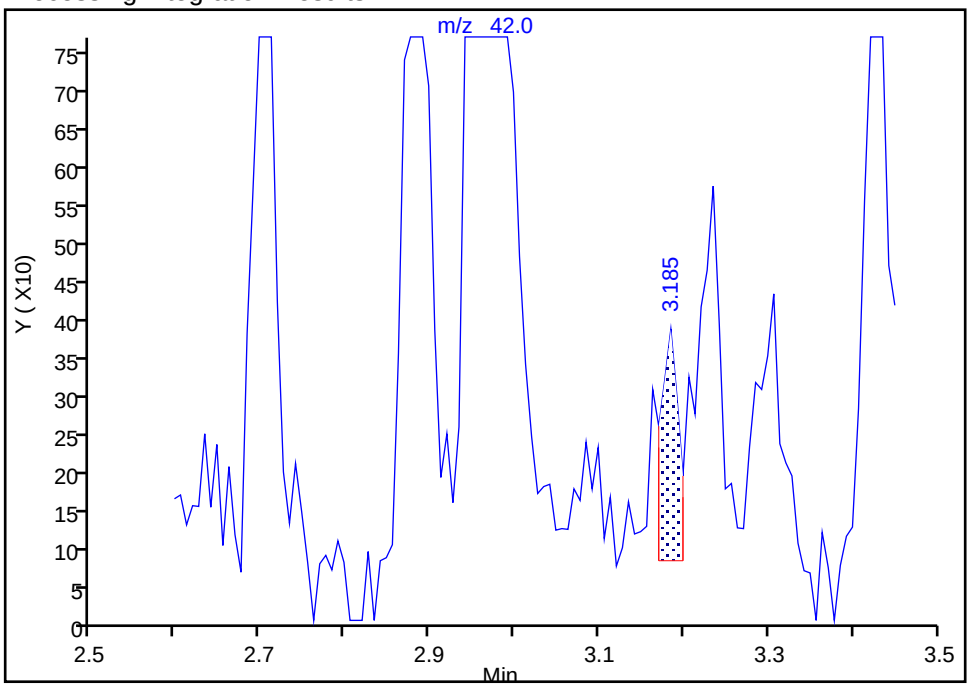
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

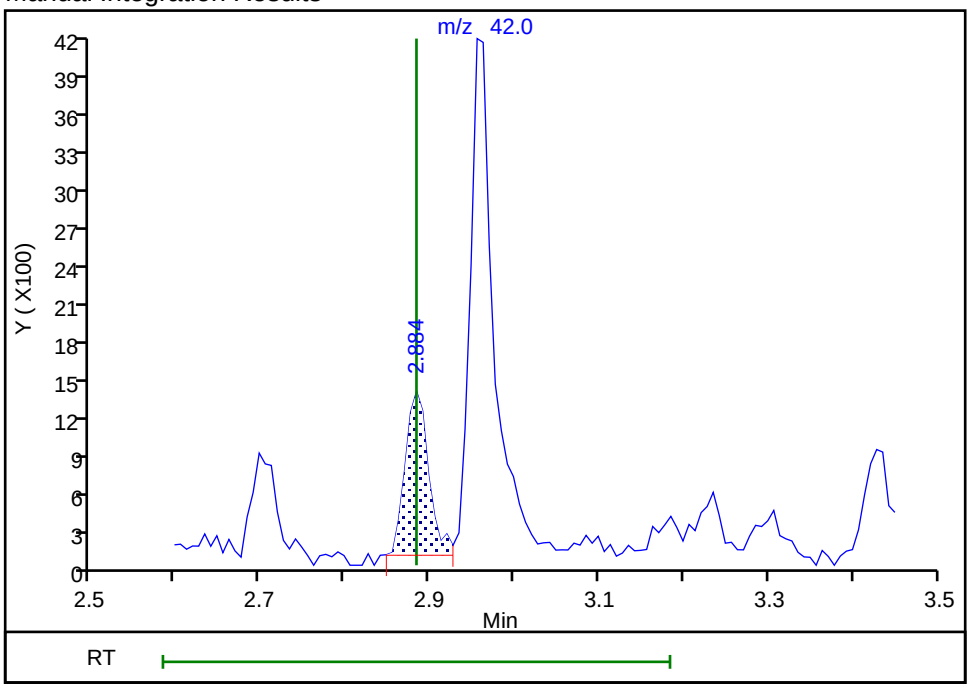
Processing Integration Results

RT: 3.18
Area: 448
Amount: 0.272693
Amount Units: ug/l



Manual Integration Results

RT: 2.88
Area: 2468
Amount: 1.685571
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:28:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

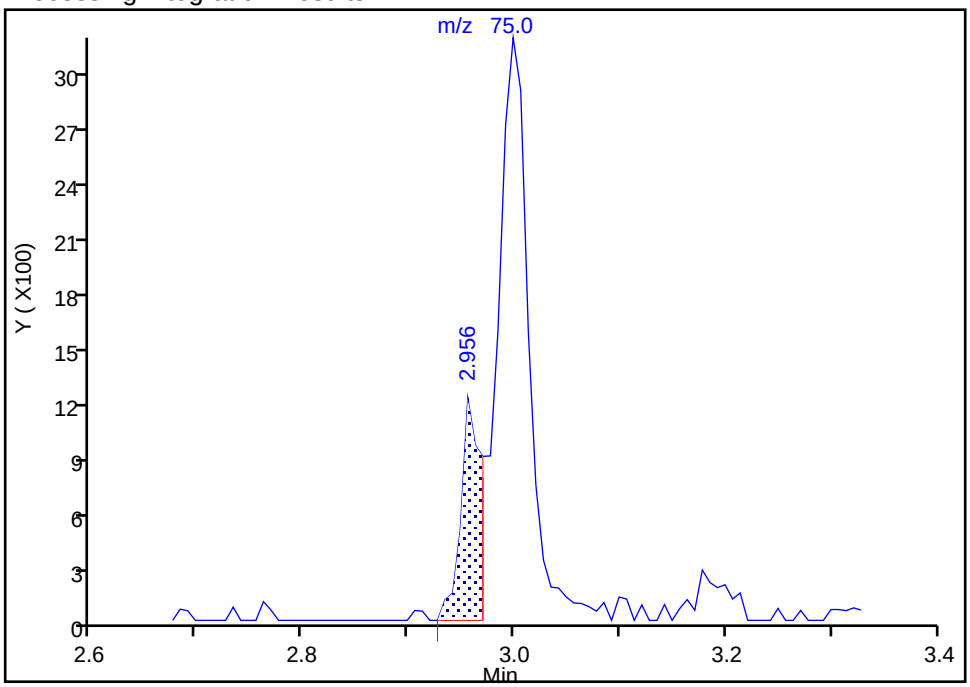
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

55 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

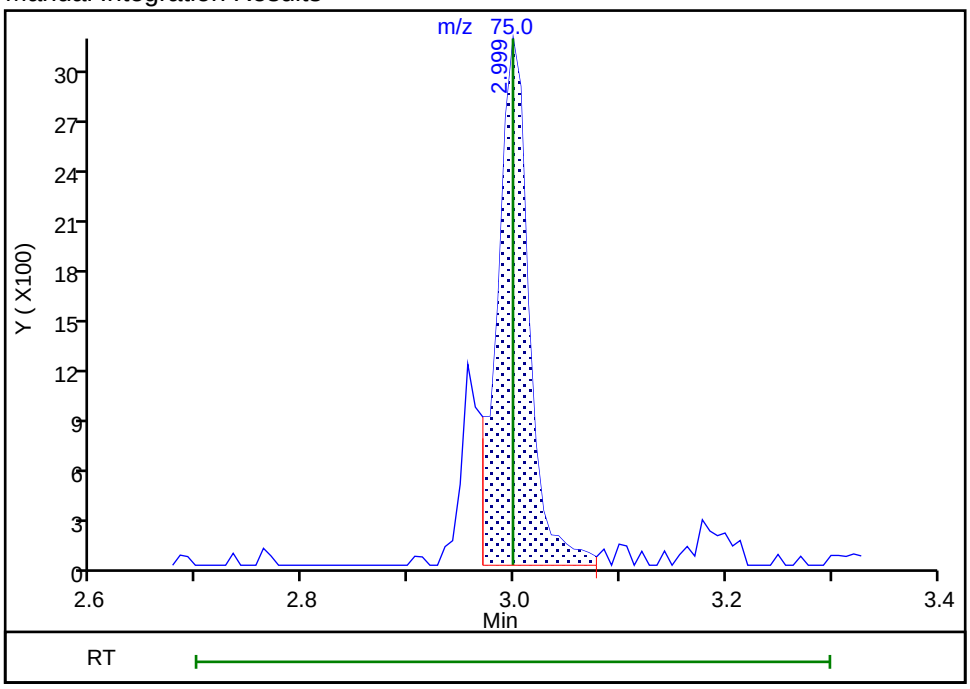
Processing Integration Results

RT: 2.96
Area: 1634
Amount: 0.252529
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 6685
Amount: 1.086855
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:28:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

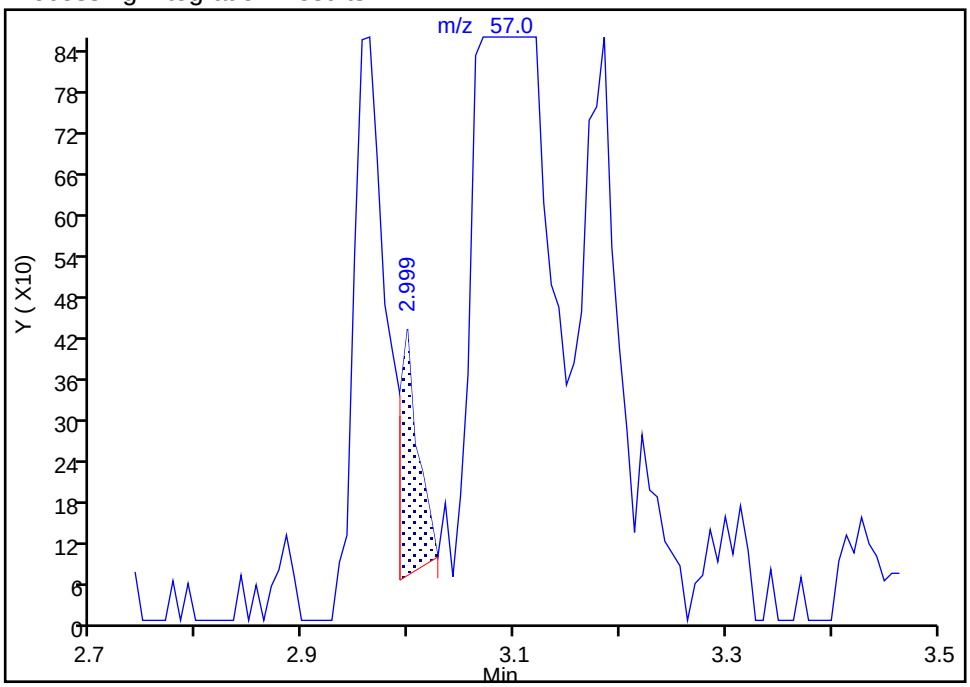
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 n-Heptane, CAS: 142-82-5

Signal: 1

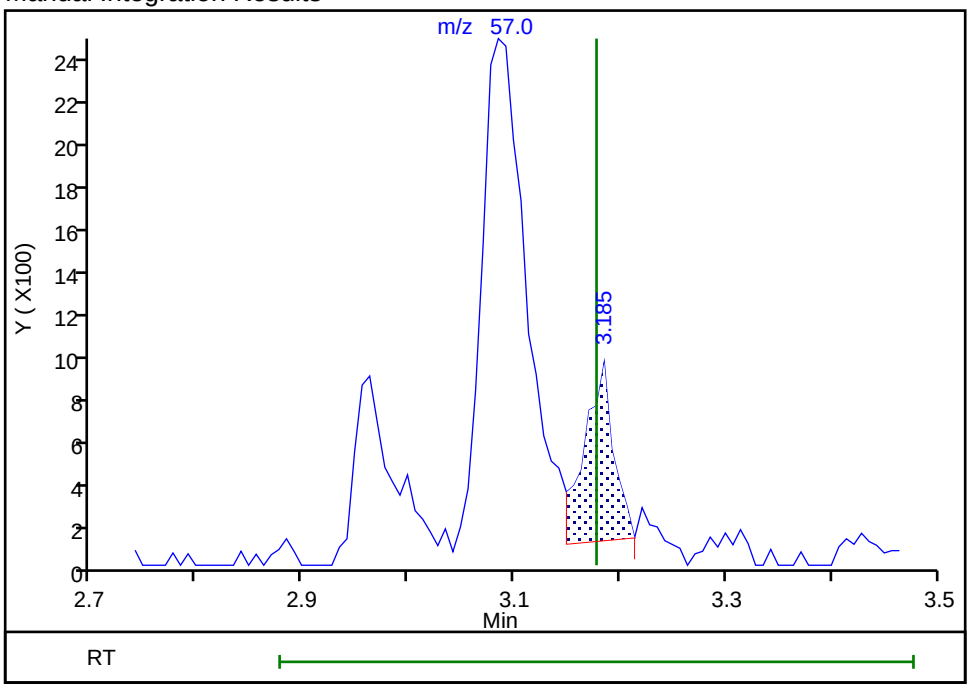
Processing Integration Results

RT: 3.00
Area: 442
Amount: 0.218793
Amount Units: ug/l



Manual Integration Results

RT: 3.18
Area: 1647
Amount: 0.884548
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:28:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

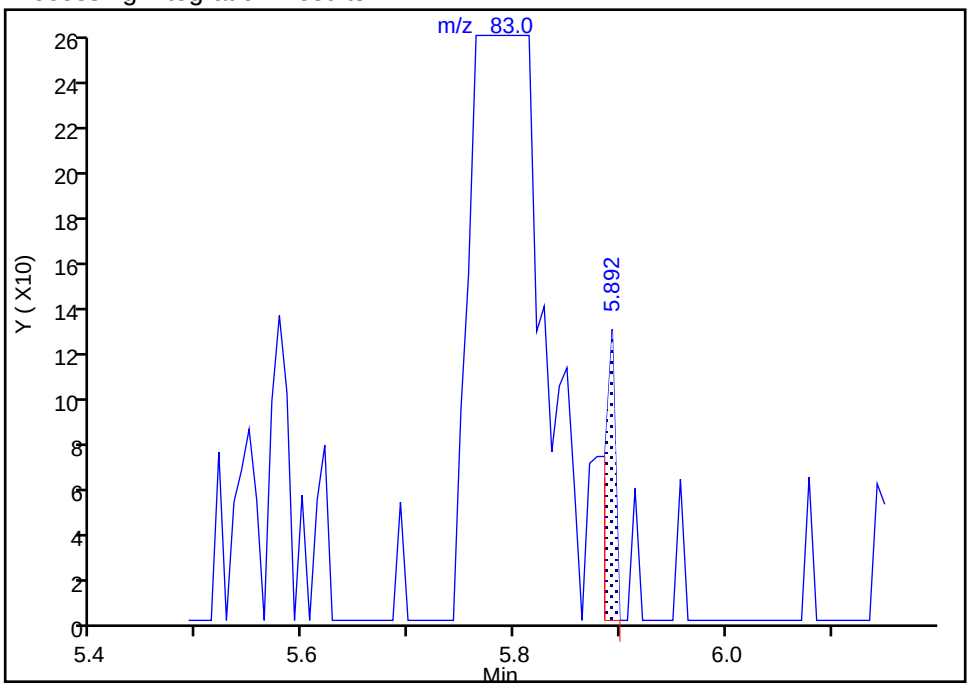
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

89 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

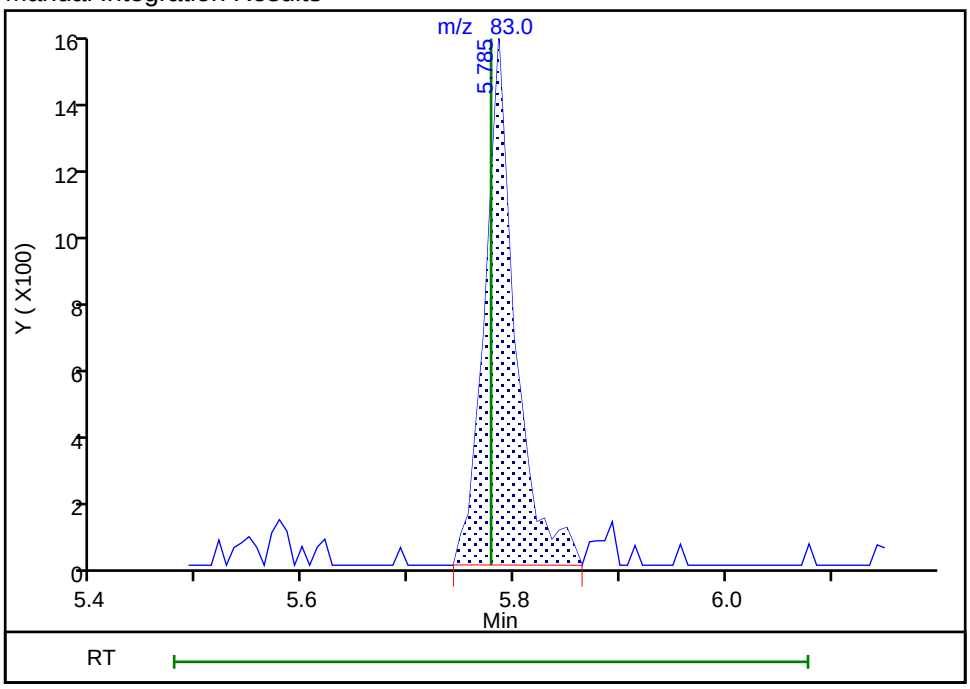
Processing Integration Results

RT: 5.89
Area: 86
Amount: 0.028099
Amount Units: ug/l



Manual Integration Results

RT: 5.79
Area: 3090
Amount: 0.978735
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:29:23
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

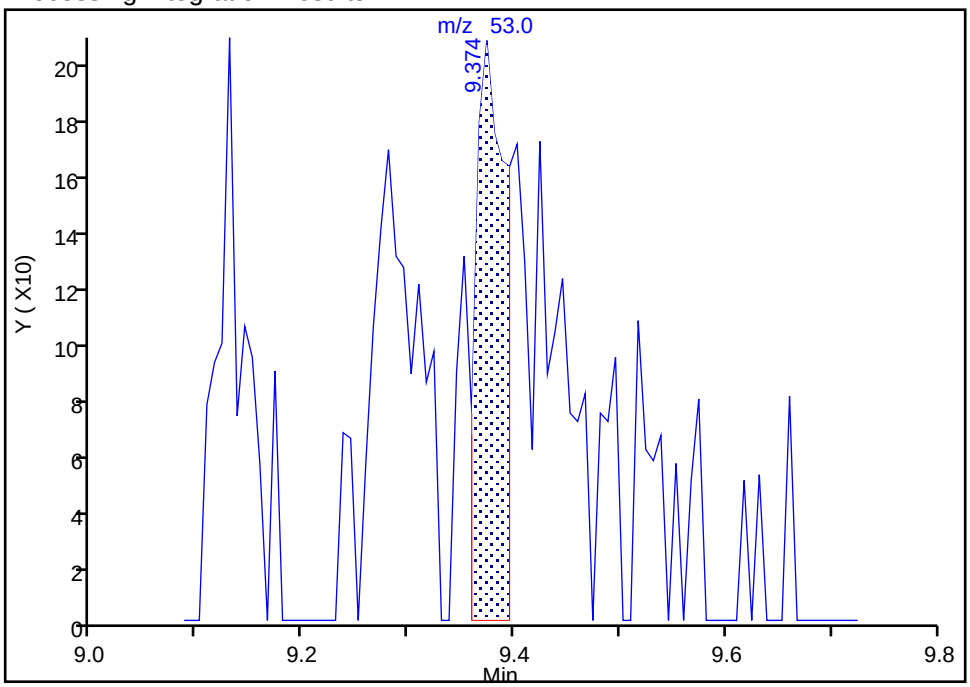
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65042.D
Injection Date: 23-Aug-2019 09:06:30 Instrument ID: CVOAMS13
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

115 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

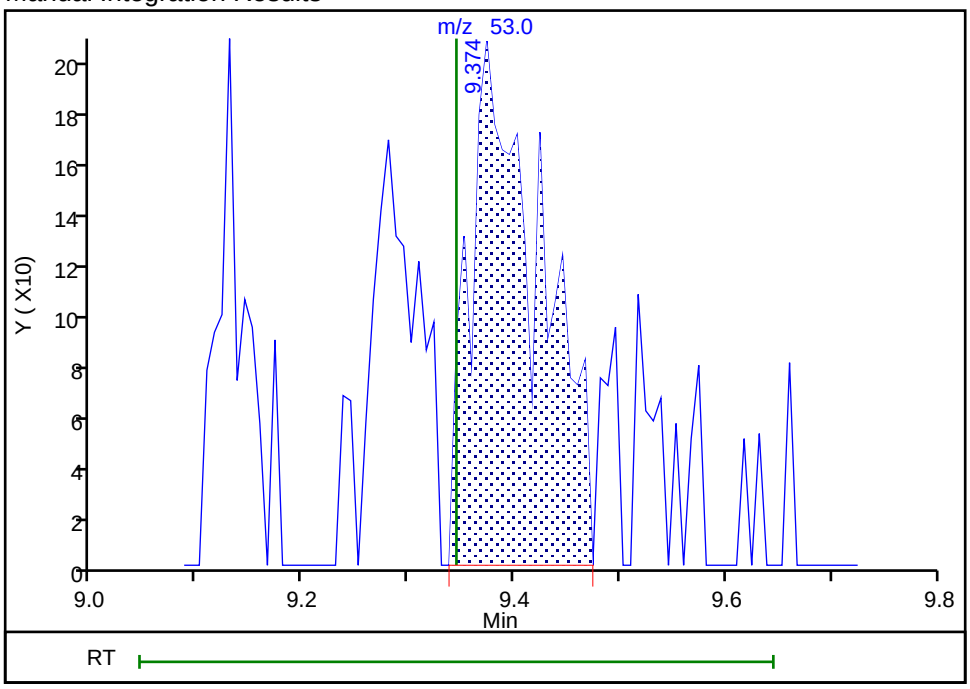
Processing Integration Results

RT: 9.37
Area: 412
Amount: 0.806473
Amount Units: ug/l



Manual Integration Results

RT: 9.37
Area: 966
Amount: 1.022981
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:29:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 23-Aug-2019 09:55:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0096522-006
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:33:57 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 09:25:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.756	0.756	0.000	27	557	20.0	5.82	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	87	15345	20.0	19.0	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	99004	20.0	20.4	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	97	41947	20.0	18.9	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	96	17764	20.0	19.2	a
6 Chloromethane	50	0.914	0.914	0.000	99	96934	20.0	20.1	
8 Butadiene	54	0.936	0.936	0.000	97	97358	20.0	18.5	
7 Vinyl chloride	62	0.943	0.943	0.000	98	110301	20.0	20.2	
9 Bromomethane	94	1.086	1.086	0.000	98	31551	20.0	20.2	
10 Chloroethane	64	1.150	1.150	0.000	99	60469	20.0	21.8	
11 Pentane	72	1.208	1.208	0.000	96	23277	40.0	39.5	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	96	119738	20.0	21.9	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	157340	20.0	20.7	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	105487	20.0	20.1	
15 Ethyl ether	59	1.365	1.365	0.000	95	67273	20.0	19.6	
16 Ethanol	46	1.444	1.444	0.000	99	15986	800.0	731.0	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	84	117642	20.0	20.4	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	95	62909	20.0	20.2	
19 Carbon disulfide	76	1.480	1.480	0.000	100	222576	20.0	18.8	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	96	62321	20.0	20.1	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	94	112516	20.0	20.8	
22 Iodomethane	142	1.544	1.544	0.000	99	42218	20.0	9.48	
23 Cyclopentene	67	1.616	1.616	0.000	97	186727	20.0	19.4	
24 Acrolein	56	1.637	1.637	0.000	94	12784	40.0	41.2	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	42864	20.0	19.3	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	42993	200.0	178.3	
27 Methylene Chloride	84	1.774	1.774	0.000	98	81586	20.0	18.7	
28 Acetone	43	1.802	1.802	0.000	85	102007	100.0	94.8	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	99	73749	20.0	20.2	
30 Methyl acetate	43	1.874	1.874	0.000	100	123664	40.0	41.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	87	12292	20.0	18.9	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	217559	20.0	19.4	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	300362	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	98	60768	200.0	181.4	
35 Acetonitrile	41	2.067	2.067	0.000	99	95891	200.0	200.5	
36 Isopropyl ether	45	2.160	2.160	0.000	96	298475	20.0	18.8	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	93	65298	20.0	19.5	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	153798	20.0	19.7	
39 Acrylonitrile	53	2.254	2.254	0.000	93	291391	200.0	187.0	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	270029	20.0	18.9	
41 Vinyl acetate	43	2.390	2.390	0.000	100	315905	40.0	37.4	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	95	86891	20.0	19.5	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	95	109844	20.0	18.7	
44 Cyclohexane	56	2.705	2.705	0.000	93	116934	20.0	18.5	
45 Chlorobromomethane	128	2.705	2.705	0.000	95	43694	20.0	20.5	
46 Chloroform	83	2.769	2.769	0.000	98	152114	20.0	20.2	
47 Carbon tetrachloride	117	2.855	2.855	0.000	97	92926	20.0	18.6	
48 Ethyl acetate	70	2.870	2.870	0.000	98	17576	40.0	39.2	
49 Methyl acrylate	55	2.870	2.870	0.000	54	64910	20.0	18.1	
50 Tetrahydrofuran	42	2.884	2.884	0.000	93	60492	40.0	39.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	199035	50.0	50.4	
52 1,1,1-Trichloroethane	97	2.905	2.905	0.000	99	119243	20.0	19.5	
* 53 2-Butanone-d5	46	2.963	2.963	0.000	0	421336	250.0	250.0	
54 2-Butanone (MEK)	72	2.998	2.998	0.000	97	47268	100.0	97.7	
55 1,1-Dichloropropene	75	2.998	2.998	0.000	82	117200	20.0	18.8	
56 Isooctane	57	3.084	3.084	0.000	98	136211	20.0	18.9	
57 n-Heptane	57	3.178	3.178	0.000	93	34215	20.0	18.2	a
58 Benzene	78	3.185	3.185	0.000	97	356554	20.0	19.5	
59 Propionitrile	54	3.206	3.206	0.000	98	107546	200.0	197.9	
60 Methacrylonitrile	67	3.228	3.228	0.000	95	322091	200.0	203.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	252373	50.0	49.2	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	228151	20.0	19.1	
63 1,2-Dichloroethane	62	3.349	3.349	0.000	97	118262	20.0	19.1	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	63053	500.0	451.9	
65 t-Amyl alcohol	59	3.493	3.493	0.000	91	40065	200.0	185.8	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	873344	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	99	154583	20.0	18.7	
68 Methylcyclohexane	83	3.657	3.657	0.000	94	87674	20.0	19.1	
69 Trichloroethene	130	3.672	3.672	0.000	97	84767	20.0	20.1	
70 2-ethoxy-2-methyl butane	59	3.922	3.922	0.000	92	202877	20.0	18.5	
71 Dibromomethane	93	4.037	4.037	0.000	97	49966	20.0	20.0	
72 n-Butanol	56	4.059	4.059	0.000	94	37547	500.0	492.2	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	88	89029	20.0	19.0	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	103059	20.0	18.7	
74 Ethyl acrylate	55	4.216	4.216	0.000	79	91456	20.0	18.9	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	33915	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	92	37772	40.0	37.8	
78 1,4-Dioxane	88	4.431	4.431	0.000	95	16472	400.0	402.2	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	104378	20.0	18.5	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	47007	20.0	18.6	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	97	124170	20.0	18.7	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	843033	50.0	48.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.104	5.104	0.000	93	382906	20.0	19.6	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	132016	400.0	397.1	
85 2-Nitropropane	41	5.355	5.355	0.000	99	31621	40.0	35.1	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	81386	20.0	19.3	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	377805	100.0	100.7	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	94	113190	20.0	18.6	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	61150	20.0	19.0	
90 Ethyl methacrylate	69	5.864	5.864	0.000	90	97568	20.0	19.0	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	70863	20.0	18.5	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	127489	20.0	19.3	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	68939	20.0	19.2	
94 n-Butyl acetate	43	6.573	6.573	0.000	99	99715	20.0	18.5	
95 2-Hexanone	43	6.630	6.630	0.000	97	263786	100.0	103.0	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	89	648603	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	231061	20.0	19.4	
98 Ethylbenzene	106	7.017	7.017	0.000	99	124223	20.0	20.1	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	71935	20.0	19.1	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	151320	20.0	19.6	
101 o-Xylene	106	7.819	7.819	0.000	93	142252	20.0	19.6	
102 Bromoform	173	7.884	7.884	0.000	95	39852	20.0	18.1	
103 Styrene	104	7.905	7.905	0.000	93	239253	20.0	19.5	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	47935	20.0	18.5	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	353938	20.0	20.5	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	91	124686	20.0	18.7	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	87	268577	50.0	50.5	
108 Bromobenzene	156	8.786	8.786	0.000	97	96100	20.0	19.3	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	411790	20.0	20.0	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	88265	20.0	19.0	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	314286	20.0	20.0	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	346012	20.0	20.2	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	97	25907	20.0	18.9	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	92	288961	20.0	19.8	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	80	20836	20.0	18.7	
116 4-Chlorotoluene	91	9.374	9.374	0.000	99	293915	20.0	19.8	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	214416	20.0	19.8	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	298704	20.0	20.4	
119 Butyl Methacrylate	87	9.889	9.889	0.000	99	88336	20.0	13.9	
120 sec-Butylbenzene	105	10.040	10.040	0.000	98	306180	20.0	20.3	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	175528	20.0	20.1	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	253737	20.0	20.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	356146	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	93	183661	20.0	19.4	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	316667	20.0	20.0	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	316239	20.0	20.0	
127 Benzyl chloride	126	10.906	10.906	0.000	96	16085	20.0	11.4	
128 p-Diethylbenzene	119	10.935	10.935	0.000	92	129400	20.0	19.8	
129 n-Butylbenzene	91	11.014	11.014	0.000	98	224331	20.0	20.2	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	95	174876	20.0	20.0	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	226588	20.0	20.1	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	92	13321	20.0	19.2	
133 1,3,5-Trichlorobenzene	180	12.267	12.267	0.000	97	99257	20.0	19.2	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	92073	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	95	36014	20.0	19.2	
136 Naphthalene	128	13.242	13.242	0.000	99	192539	20.0	18.0	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	95	86268	20.0	19.5	
S 138 1,2-Dichloroethene, Total	100				0		40.0	39.7	
S 139 1,3-Dichloropropene, Total	100				0		40.0	37.3	
S 140 Xylenes, Total	100				0		40.0	39.2	
S 142 Total BTEX	1				0		100.0	98.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00329	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00103	Amount Added:	20.00	Units: uL	
ACROLEIN W_00094	Amount Added:	4.00	Units: uL	
524freon_00009	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2019 10:34:03 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D

Injection Date: 23-Aug-2019 09:55:30 Instrument ID: CVOAMS13 Operator ID:

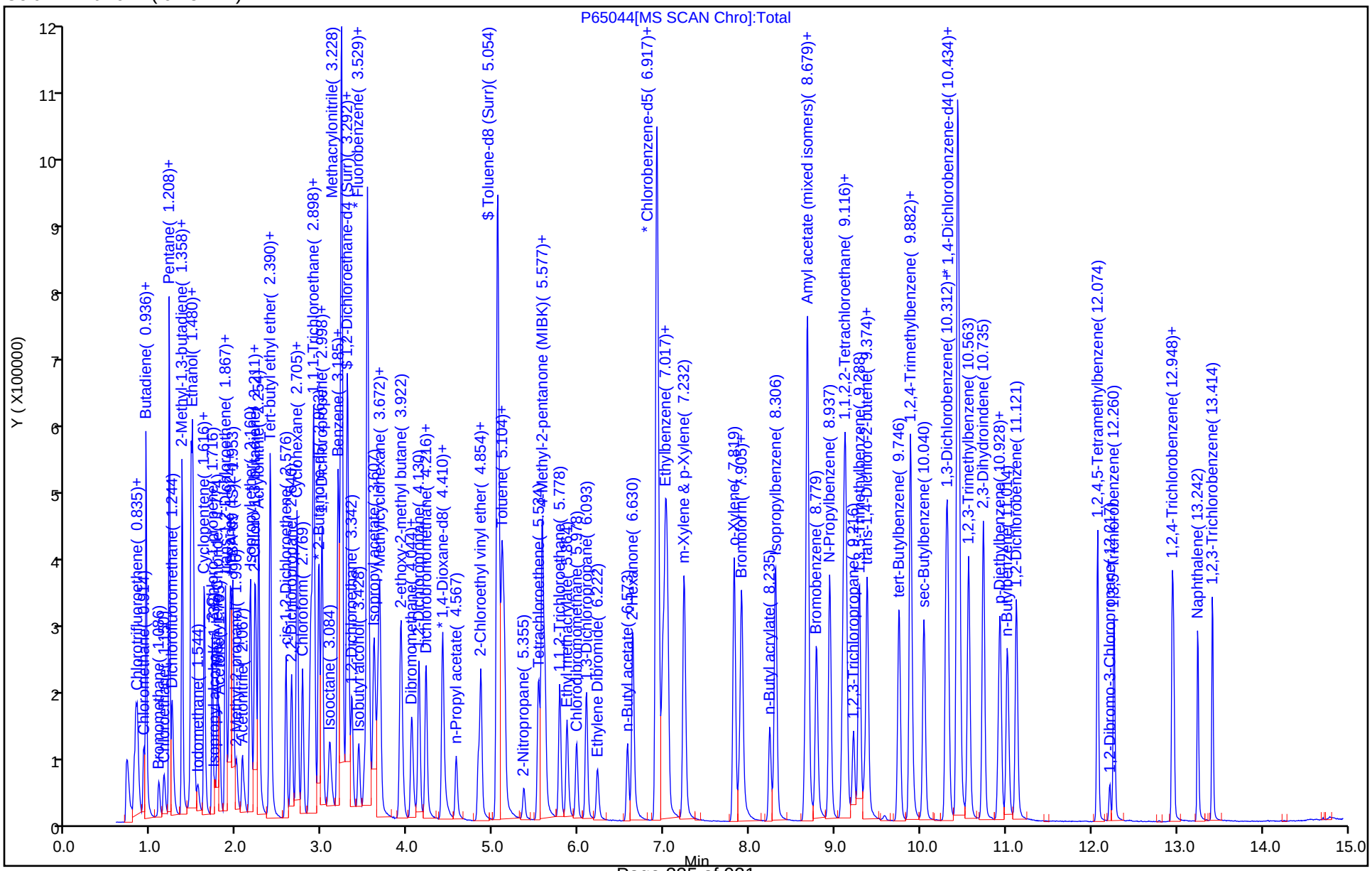
Lims ID: STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

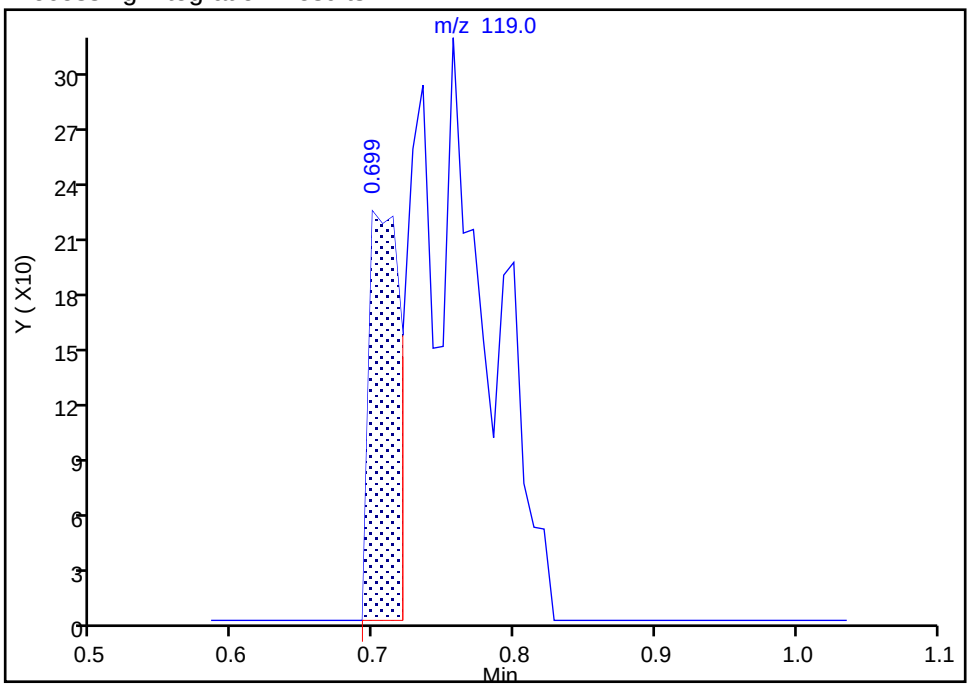
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D
Injection Date: 23-Aug-2019 09:55:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

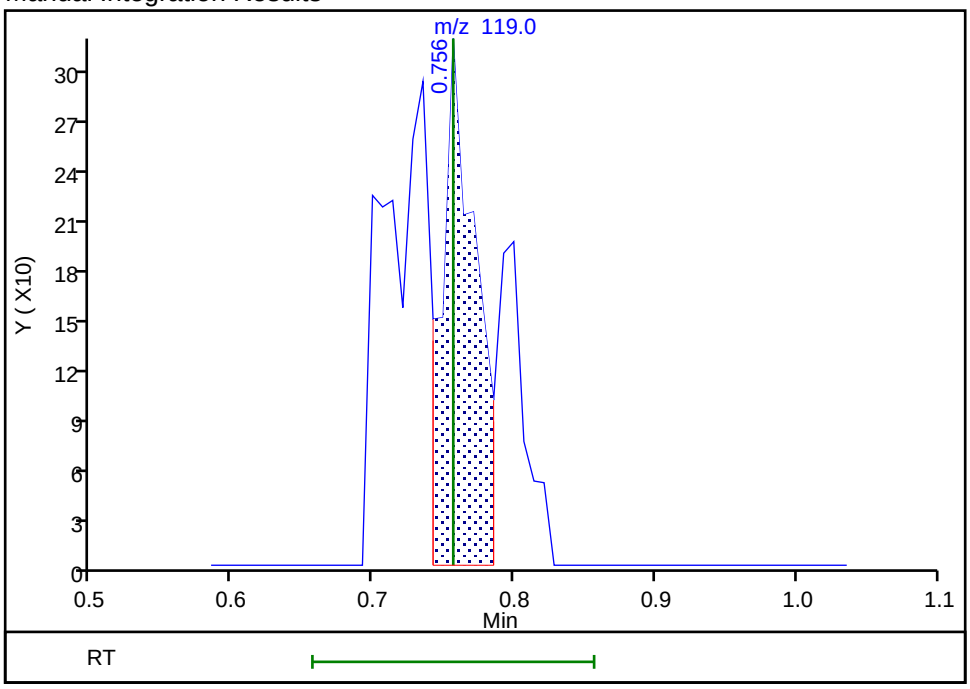
Processing Integration Results

RT: 0.70
Area: 352
Amount: 5.482191
Amount Units: ug/l



Manual Integration Results

RT: 0.76
Area: 557
Amount: 5.823250
Amount Units: ug/l



Reviewer: pakanatir, 23-Aug-2019 16:55:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

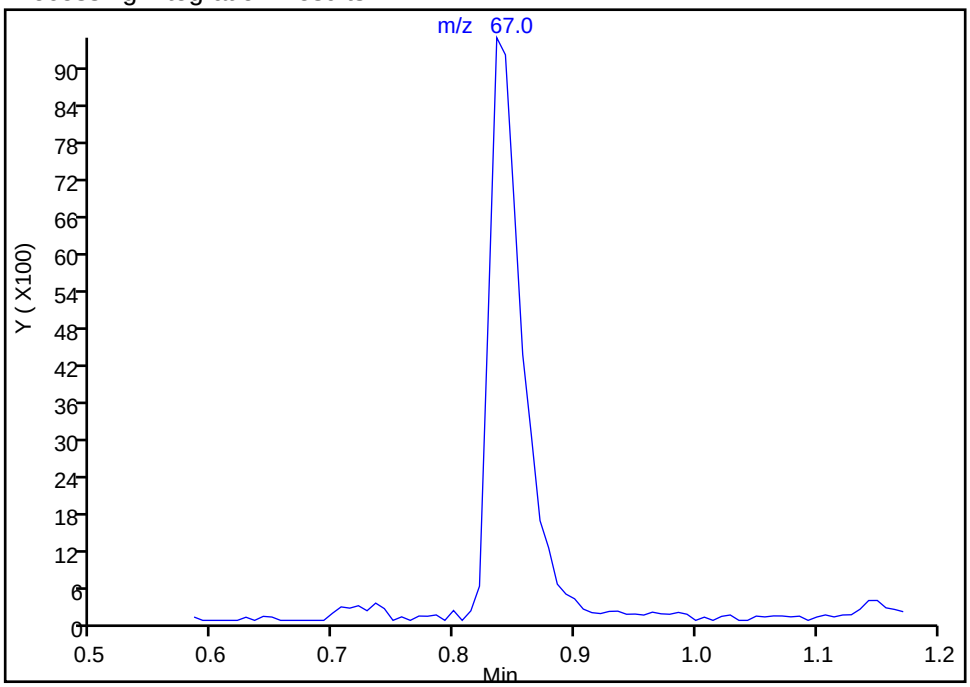
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D
Injection Date: 23-Aug-2019 09:55:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

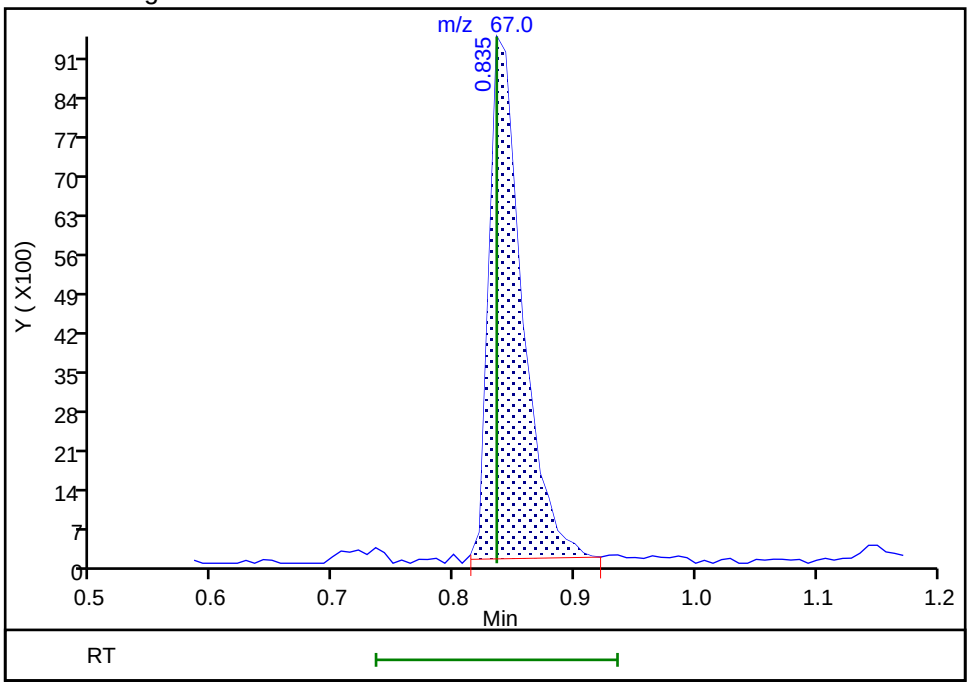
Not Detected
Expected RT: 0.84

Processing Integration Results



Manual Integration Results

RT: 0.84
Area: 17764
Amount: 19.215953
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:20:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

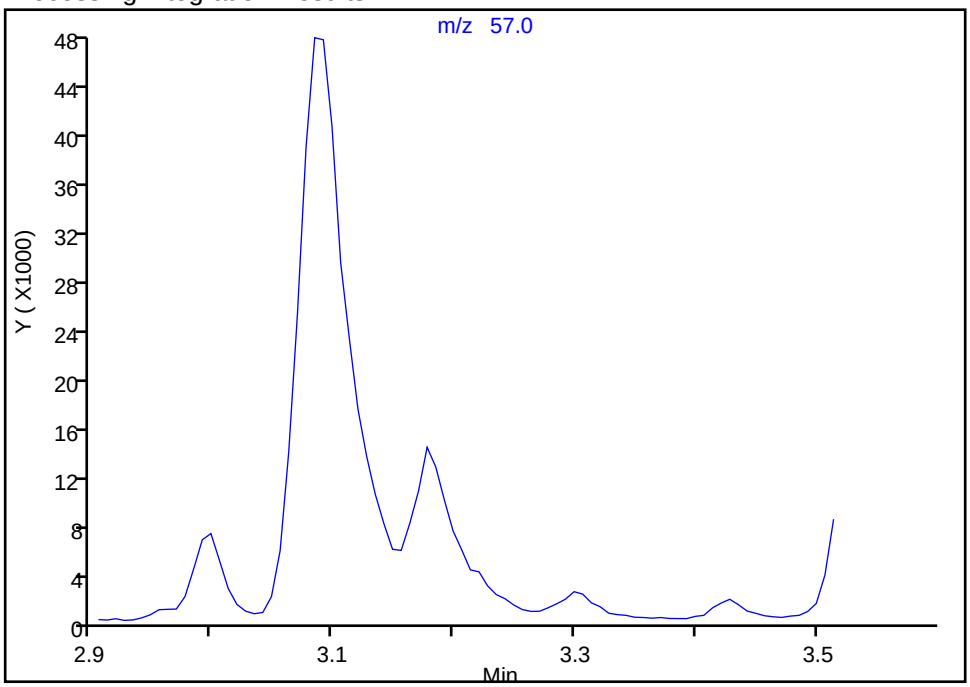
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65044.D
Injection Date: 23-Aug-2019 09:55:30 Instrument ID: CVOAMS13
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 n-Heptane, CAS: 142-82-5

Signal: 1

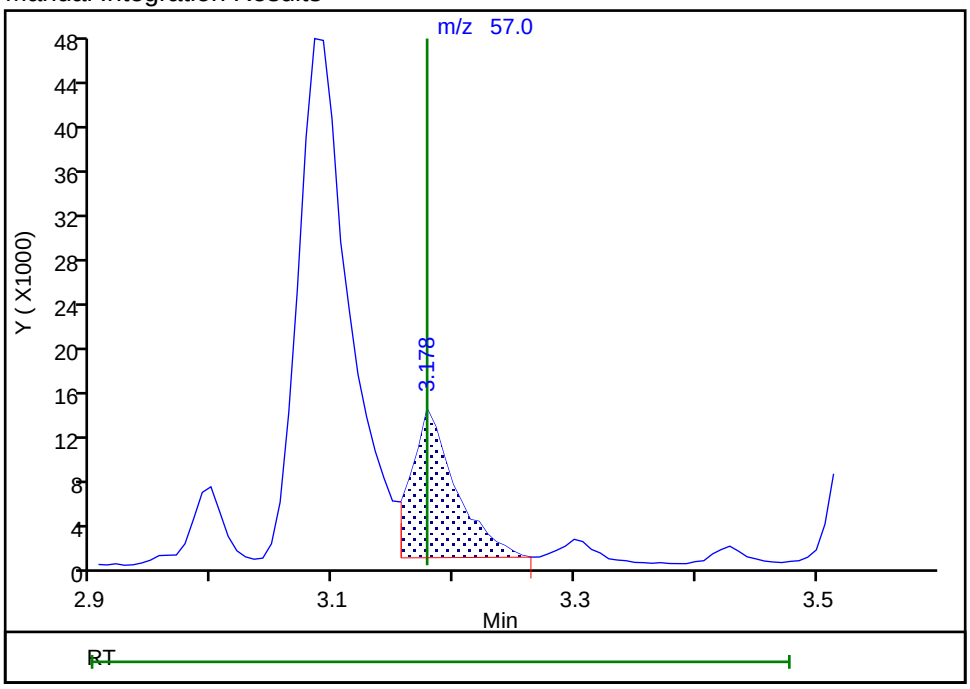
Not Detected
Expected RT: 3.18

Processing Integration Results



Manual Integration Results

RT: 3.18
Area: 34215
Amount: 18.152595
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:24:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 23-Aug-2019 10:20:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0096522-007
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:34:17 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 09:42:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.764	0.756	0.008	30	801	50.0	8.16	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	88	37592	50.0	45.3	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	209893	50.0	42.2	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	97	103431	50.0	45.3	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	97	43861	50.0	46.2	a
6 Chloromethane	50	0.914	0.914	0.000	98	229616	50.0	46.4	
8 Butadiene	54	0.935	0.936	-0.001	98	248458	50.0	46.0	
7 Vinyl chloride	62	0.943	0.943	0.000	98	269245	50.0	48.1	
9 Bromomethane	94	1.093	1.086	0.007	98	66163	50.0	40.3	
10 Chloroethane	64	1.143	1.150	-0.007	98	92813	50.0	33.1	
11 Pentane	72	1.208	1.208	0.000	96	51256	100.0	86.3	
12 Trichlorofluoromethane	101	1.208	1.215	-0.007	97	252904	50.0	45.1	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	370290	50.0	47.6	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	265738	50.0	49.4	
15 Ethyl ether	59	1.365	1.365	0.000	93	172492	50.0	48.9	
16 Ethanol	46	1.451	1.444	0.007	99	42853	2000.0	1888.7	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	95	155959	50.0	48.8	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	84	293468	50.0	49.6	
19 Carbon disulfide	76	1.480	1.480	0.000	100	561153	50.0	46.1	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	95	155622	50.0	48.9	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	96	288337	50.0	51.9	a
22 Iodomethane	142	1.544	1.544	0.000	99	157974	50.0	34.7	
23 Cyclopentene	67	1.623	1.616	0.007	97	476468	50.0	48.2	
24 Acrolein	56	1.637	1.637	0.000	94	31716	100.0	98.6	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	111048	50.0	48.7	
26 Isopropyl alcohol	45	1.745	1.745	0.000	98	109798	500.0	438.9	
27 Methylene Chloride	84	1.774	1.774	0.000	98	200868	50.0	44.8	
28 Acetone	43	1.802	1.802	0.000	85	251129	250.0	222.6	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	99	178037	50.0	47.5	
30 Methyl acetate	43	1.874	1.874	0.000	100	314589	100.0	100.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	86	30161	50.0	45.2	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	97	548721	50.0	47.7	
* 33 TBA-d9 (IS)	65	1.960	1.953	0.007	0	311655	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	99	158027	500.0	454.6	
35 Acetonitrile	41	2.067	2.067	0.000	98	240370	500.0	484.3	
36 Isopropyl ether	45	2.160	2.160	0.000	96	764996	50.0	47.0	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	-0.001	94	164326	50.0	47.7	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	381905	50.0	47.6	
39 Acrylonitrile	53	2.253	2.254	-0.001	93	744818	500.0	465.9	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	701962	50.0	47.8	
41 Vinyl acetate	43	2.390	2.390	0.000	100	831960	100.0	96.0	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	95	215229	50.0	47.2	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	288266	50.0	47.9	
44 Cyclohexane	56	2.705	2.705	0.000	93	304556	50.0	47.1	
45 Chlorobromomethane	128	2.705	2.705	0.000	96	103993	50.0	47.4	
46 Chloroform	83	2.769	2.769	0.000	98	371983	50.0	48.2	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	236323	50.0	46.0	
48 Ethyl acetate	70	2.870	2.870	0.000	98	43434	100.0	92.3	
49 Methyl acrylate	55	2.870	2.870	0.000	96	175156	50.0	47.5	
50 Tetrahydrofuran	42	2.884	2.884	0.000	94	158642	100.0	99.6	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	200603	50.0	49.5	
52 1,1,1-Trichloroethane	97	2.905	2.905	0.000	98	299682	50.0	47.7	
* 53 2-Butanone-d5	46	2.963	2.963	0.000	0	441836	250.0	250.0	
54 2-Butanone (MEK)	72	2.998	2.998	0.000	98	114492	250.0	225.7	
55 1,1-Dichloropropene	75	2.998	2.998	0.000	84	289139	50.0	45.3	
56 Isooctane	57	3.092	3.084	0.008	98	337131	50.0	45.6	
57 n-Heptane	57	3.178	3.178	0.000	86	94079	50.0	48.6	
58 Benzene	78	3.185	3.185	0.000	98	897361	50.0	48.8	
59 Propionitrile	54	3.206	3.206	0.000	99	274547	500.0	486.8	
60 Methacrylonitrile	67	3.228	3.228	0.000	95	828090	500.0	508.6	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	263321	50.0	50.0	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	583246	50.0	47.6	
63 1,2-Dichloroethane	62	3.349	3.349	0.000	98	301837	50.0	47.4	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	170568	1250.0	1178.2	
65 t-Amyl alcohol	59	3.500	3.493	0.007	92	103085	500.0	460.8	
* 66 Fluorobenzene	96	3.529	3.529	-0.001	98	896255	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	405504	50.0	47.8	
68 Methylcyclohexane	83	3.657	3.657	0.000	94	220227	50.0	46.7	
69 Trichloroethene	130	3.672	3.672	0.000	98	210310	50.0	48.5	
70 2-ethoxy-2-methyl butane	59	3.922	3.922	0.000	91	537834	50.0	47.9	
71 Dibromomethane	93	4.044	4.037	0.007	97	123504	50.0	48.2	
72 n-Butanol	56	4.059	4.059	0.000	92	103245	1250.0	1257.8	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	88	231482	50.0	48.2	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	273150	50.0	48.3	
74 Ethyl acrylate	55	4.209	4.216	-0.007	84	246540	50.0	48.2	
* 76 1,4-Dioxane-d8	96	4.410	4.402	0.008	0	36782	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	92	100893	100.0	98.3	
78 1,4-Dioxane	88	4.431	4.431	0.000	96	40871	1000.0	920.2	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	282388	50.0	48.9	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	131317	50.1	50.7	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	97	335558	50.0	50.1	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	873078	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.104	5.104	0.000	93	938930	50.0	47.6	
84 Epichlorohydrin	57	5.133	5.133	0.000	100	358148	1000.0	1027.4	
85 2-Nitropropane	41	5.355	5.355	0.000	99	86863	100.0	93.8	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	200767	50.0	47.2	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	990504	250.0	251.8	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	95	303429	50.0	49.6	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	153421	50.0	47.2	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	267993	50.0	50.9	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	183444	50.0	47.6	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	97	322921	50.0	48.4	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	179038	50.0	49.4	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	287960	50.0	50.8	
95 2-Hexanone	43	6.630	6.630	0.000	97	694723	250.0	258.6	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	90	653663	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	567353	50.0	47.3	
98 Ethylbenzene	106	7.017	7.017	0.000	99	304152	50.0	48.9	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	182648	50.0	48.2	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	374209	50.0	48.2	
101 o-Xylene	106	7.819	7.819	0.000	93	369739	50.0	50.5	
102 Bromoform	173	7.884	7.884	0.000	95	108297	50.0	48.7	
103 Styrene	104	7.905	7.905	0.000	93	610120	50.0	48.7	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	137517	50.0	50.7	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	869281	50.0	49.9	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	89	351920	50.0	50.4	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	87	268472	50.0	50.1	
108 Bromobenzene	156	8.786	8.786	0.000	97	243024	50.0	48.6	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	1022062	50.0	49.6	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	223436	50.0	47.9	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	769265	50.0	49.0	
112 4-Ethyltoluene	105	9.130	9.130	0.000	99	855893	50.0	49.8	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	64281	50.0	46.7	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	93	715332	50.0	49.0	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	71	60132	50.0	51.3	
116 4-Chlorotoluene	91	9.374	9.374	0.000	99	728087	50.0	49.0	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	534504	50.0	49.3	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	743384	50.0	50.6	
119 Butyl Methacrylate	87	9.882	9.889	-0.007	97	256133	50.0	40.3	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	750288	50.0	49.6	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	94	425307	50.0	48.5	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	637456	50.0	50.7	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	356788	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	96	443449	50.0	46.8	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	781310	50.0	49.3	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	776386	50.0	49.1	
127 Benzyl chloride	126	10.914	10.906	0.008	96	50559	50.0	35.5	
128 p-Diethylbenzene	119	10.928	10.935	-0.007	92	327980	50.0	50.2	
129 n-Butylbenzene	91	11.014	11.014	0.000	98	560416	50.0	50.4	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	95	429608	50.0	48.9	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	587765	50.0	52.1	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	93	35440	50.0	49.3	
133 1,3,5-Trichlorobenzene	180	12.260	12.267	-0.007	97	248312	50.0	47.9	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	237504	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	91060	50.0	48.5	
136 Naphthalene	128	13.242	13.242	0.000	99	526887	50.0	49.3	
137 1,2,3-Trichlorobenzene	180	13.414	13.421	-0.007	95	214341	50.0	48.3	
S 138 1,2-Dichloroethene, Total	100				0		100.0	94.6	
S 139 1,3-Dichloropropene, Total	100				0		100.0	99.6	
S 140 Xylenes, Total	100				0		100.0	98.6	
S 142 Total BTEX	1				0		250.0	244.0	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00329	Amount Added: 50.00	Units: uL		
8260MIX1COMB_00103	Amount Added: 50.00	Units: uL		
ACROLEIN W_00094	Amount Added: 10.00	Units: uL		
524freon_00009	Amount Added: 50.00	Units: uL		
8260ISNEW_00129	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00199	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 25-Aug-2019 10:34:20 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D

Injection Date: 23-Aug-2019 10:20:30 Instrument ID: CVOAMS13 Operator ID:

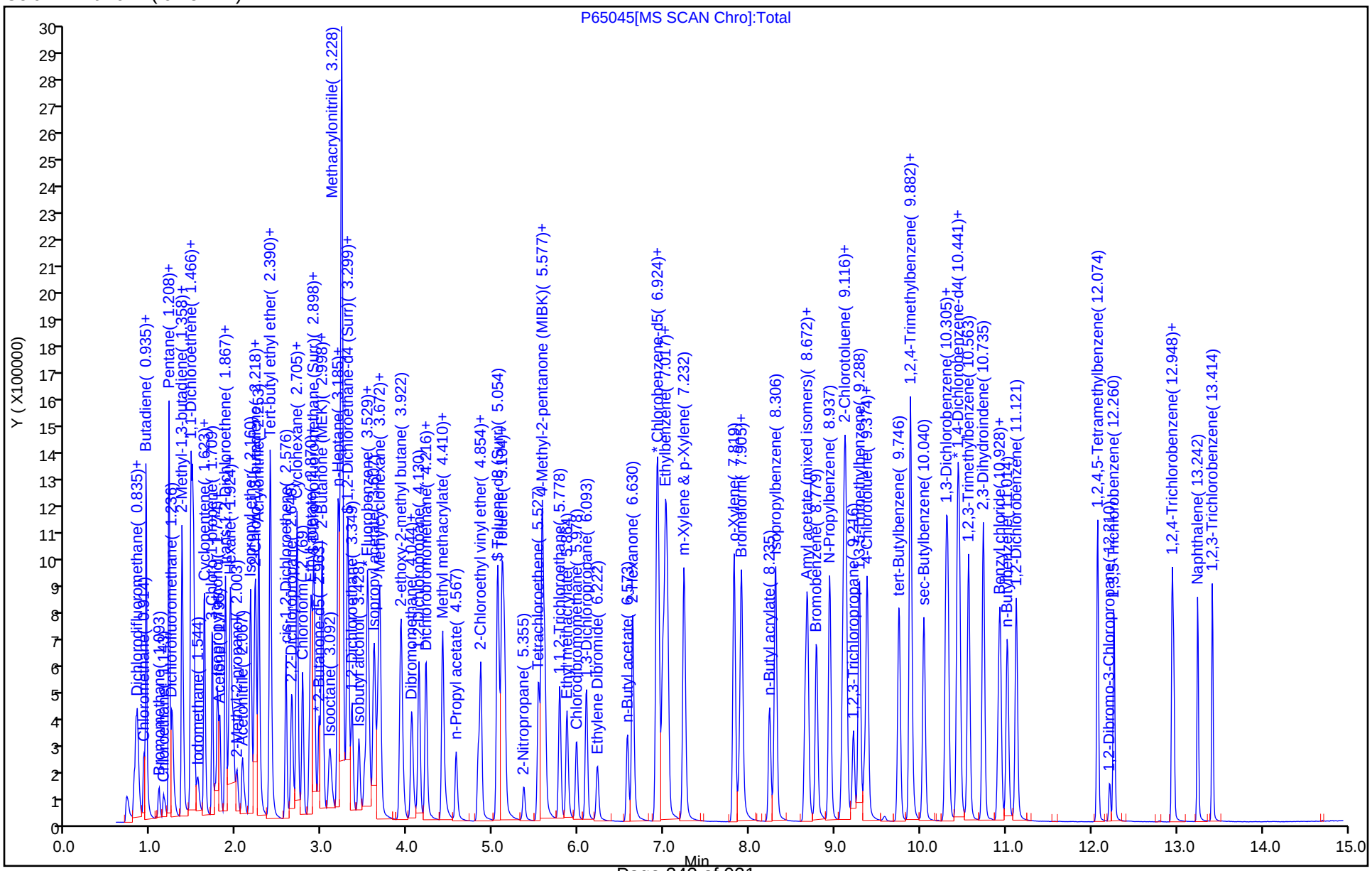
Lims ID: STD50 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

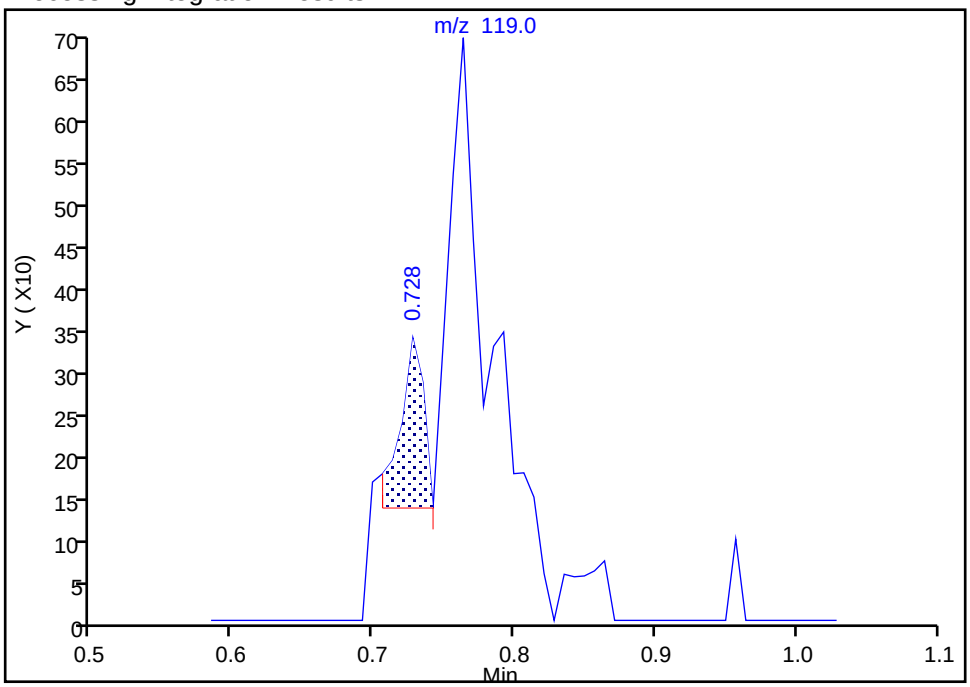
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D
Injection Date: 23-Aug-2019 10:20:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

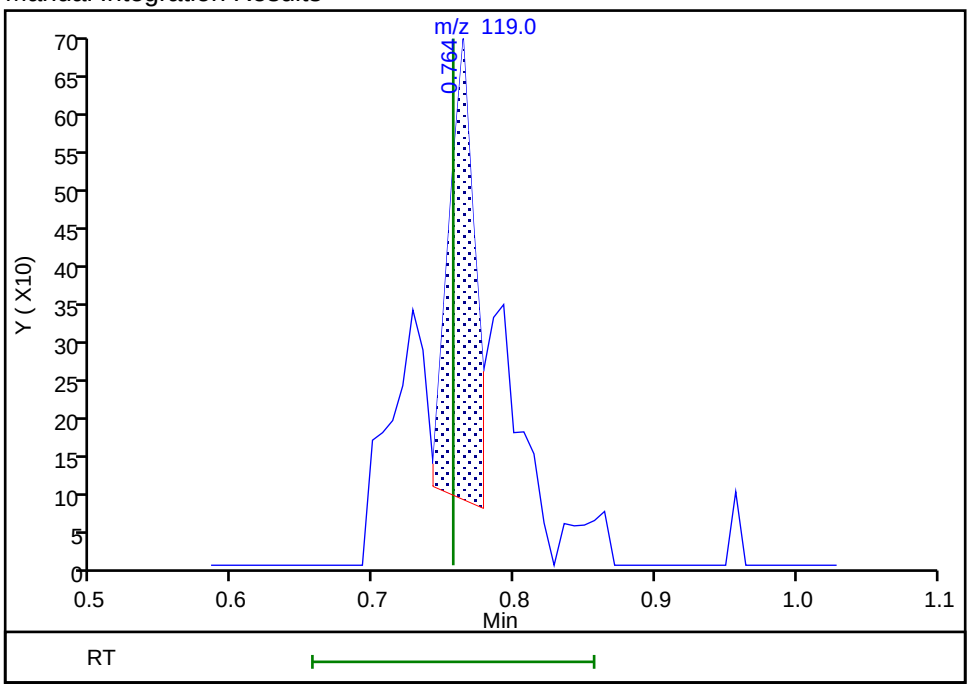
Processing Integration Results

RT: 0.73
Area: 238
Amount: 0.689763
Amount Units: ug/l



Manual Integration Results

RT: 0.76
Area: 801
Amount: 8.160120
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:41:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

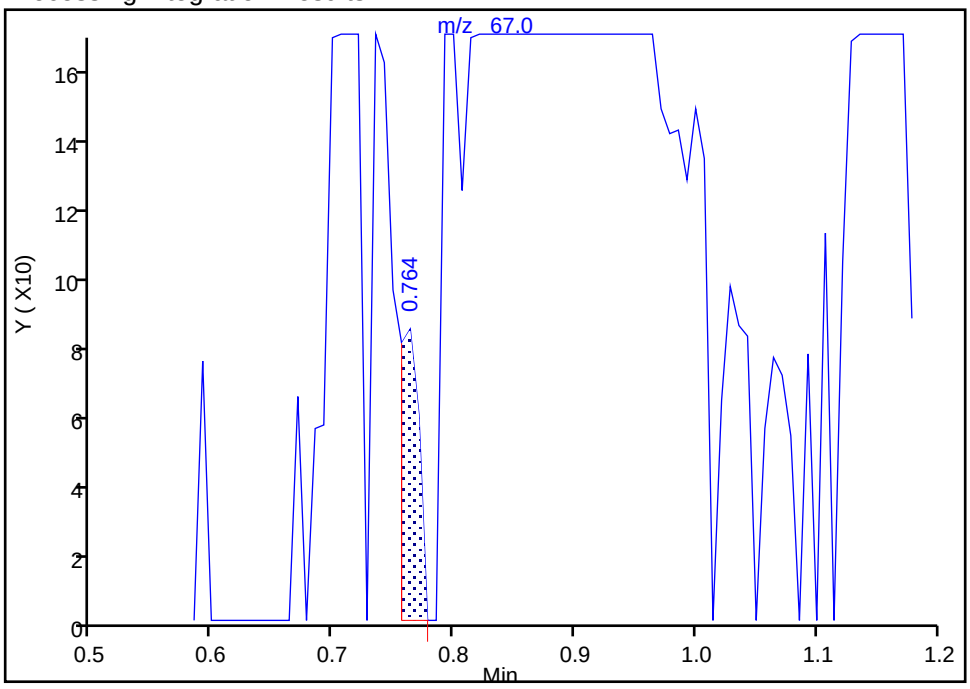
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D
Injection Date: 23-Aug-2019 10:20:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

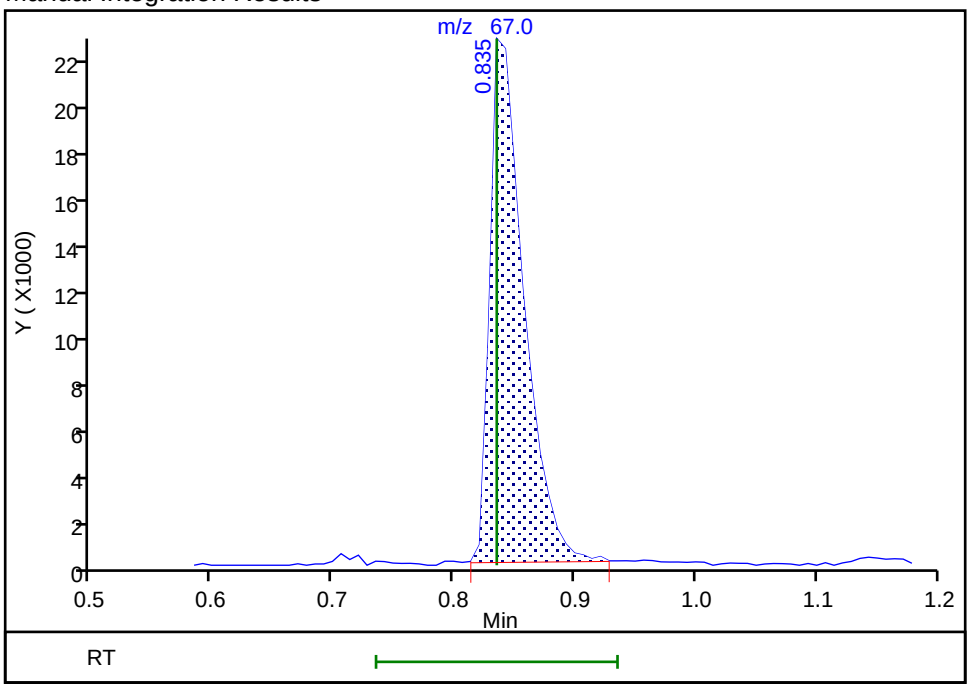
Processing Integration Results

RT: 0.76
Area: 94
Amount: 0.097659
Amount Units: ug/l



Manual Integration Results

RT: 0.84
Area: 43861
Amount: 46.233146
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:41:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

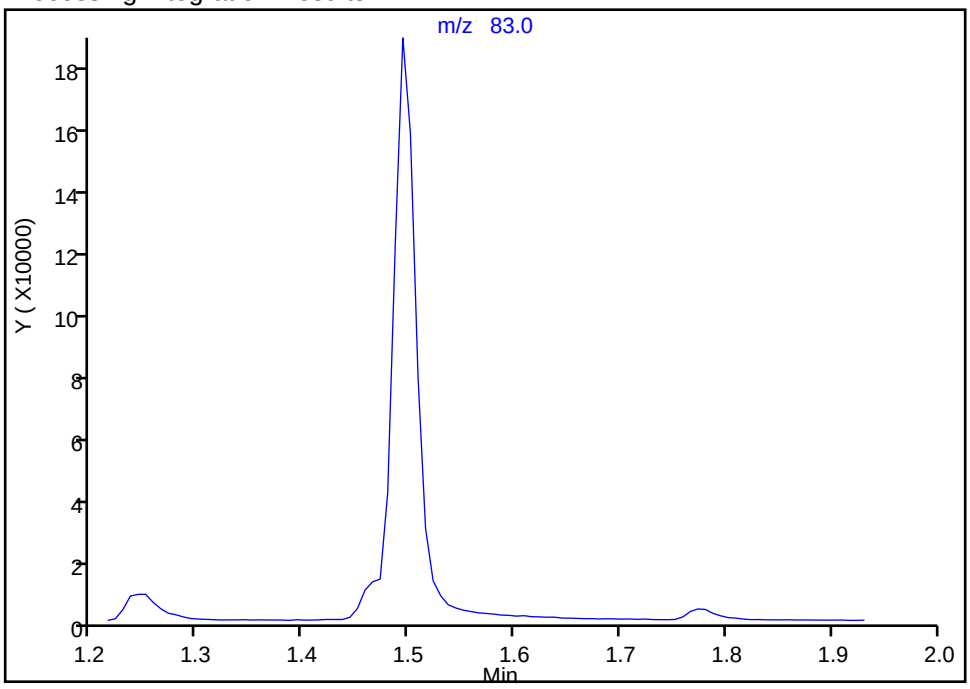
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65045.D
Injection Date: 23-Aug-2019 10:20:30 Instrument ID: CVOAMS13
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

21 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

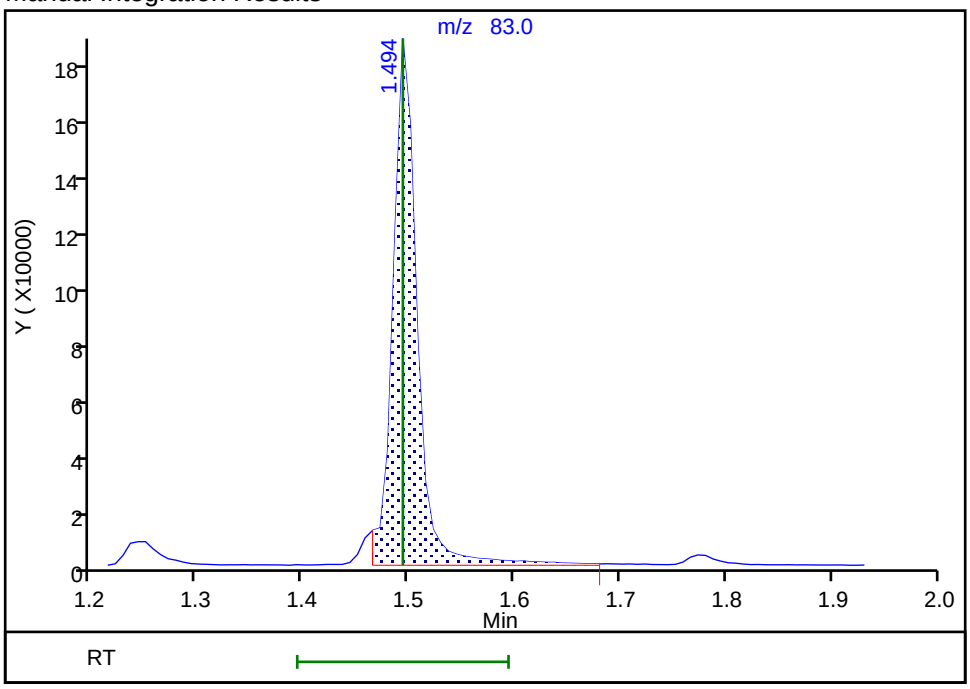
Not Detected
Expected RT: 1.49

Processing Integration Results



Manual Integration Results

RT: 1.49
Area: 288337
Amount: 51.913173
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 09:41:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65046.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 23-Aug-2019 10:45:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0096522-008
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:34:32 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 10:34:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.757	0.756	0.001	94	19947	200.0	197.7	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	88	217417	200.0	254.8	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	936288	200.0	183.0	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	98	514052	200.0	219.2	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	97	195379	200.0	200.3	a
6 Chloromethane	50	0.914	0.914	0.000	99	943329	200.0	185.4	
8 Butadiene	54	0.943	0.936	0.007	95	1043054	200.0	187.7	
7 Vinyl chloride	62	0.943	0.943	0.000	98	1119191	200.0	194.6	
9 Bromomethane	94	1.093	1.086	0.007	98	340873	200.0	191.9	
10 Chloroethane	64	1.151	1.150	0.001	98	467060	200.0	211.0	
11 Pentane	72	1.222	1.208	0.014	96	228625	400.0	427.5	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	98	1054235	200.0	182.8	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	1520458	200.0	190.0	
14 2-Methyl-1,3-butadiene	67	1.373	1.358	0.015	93	1144152	200.0	207.1	
15 Ethyl ether	59	1.373	1.365	0.008	80	746568	200.0	206.1	
16 Ethanol	46	1.451	1.444	0.007	99	192540	8000.0	8006.8	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	84	1167592	200.0	192.0	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	635213	200.0	193.2	
19 Carbon disulfide	76	1.487	1.480	0.007	100	2643600	200.0	211.3	
20 1,1,2-Trichloro-1,2,2-trif	101	1.494	1.487	0.007	57	623339	200.0	190.6	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	89	1129446	200.0	197.8	
22 Iodomethane	142	1.545	1.544	0.000	99	942595	200.0	208.1	
23 Cyclopentene	67	1.623	1.616	0.007	97	2048469	200.0	201.7	
24 Acrolein	56	1.638	1.637	0.001	97	65379	200.0	191.8	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	496420	200.0	211.8	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	520795	2000.0	1964.1	
27 Methylene Chloride	84	1.774	1.774	0.000	99	870726	200.0	188.9	
28 Acetone	43	1.802	1.802	0.000	85	1211964	1000.0	993.1	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	770077	200.0	199.7	
30 Methyl acetate	43	1.874	1.874	0.000	99	1300859	400.0	393.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.917	1.910	0.007	86	131275	200.0	191.3	
32 Methyl tert-butyl ether	73	1.938	1.931	0.007	94	2506813	200.0	211.8	
* 33 TBA-d9 (IS)	65	1.960	1.953	0.007	0	330299	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	99	726355	2000.0	1971.4	
35 Acetonitrile	41	2.067	2.067	0.000	98	1105653	2000.0	2101.9	
36 Isopropyl ether	45	2.168	2.160	0.008	96	3594905	200.0	214.7	
37 2-Chloro-1,3-butadiene	88	2.225	2.211	0.014	73	750969	200.0	212.1	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	1657050	200.0	201.0	
39 Acrylonitrile	53	2.261	2.254	0.007	89	3537586	2000.0	2152.4	
40 Tert-butyl ethyl ether	59	2.397	2.390	0.007	88	3274177	200.0	216.8	
41 Vinyl acetate	43	2.404	2.390	0.014	100	4279692	400.0	480.2	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	935025	200.0	199.3	
43 2,2-Dichloropropane	77	2.648	2.640	0.008	96	1293666	200.0	209.1	
44 Cyclohexane	56	2.719	2.705	0.014	95	1370267	200.0	206.0	
45 Chlorobromomethane	128	2.712	2.705	0.007	99	451133	200.0	200.1	
46 Chloroform	83	2.769	2.769	0.000	98	1633731	200.0	205.9	
47 Carbon tetrachloride	117	2.863	2.855	0.007	97	1118524	200.0	212.0	
48 Ethyl acetate	70	2.877	2.870	0.007	99	212112	400.0	416.5	
49 Methyl acrylate	55	2.877	2.870	0.007	99	855628	200.0	225.8	
50 Tetrahydrofuran	42	2.877	2.884	-0.007	94	742531	400.0	430.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	96	201509	50.0	48.3	
52 1,1,1-Trichloroethane	97	2.913	2.905	0.008	98	1365857	200.0	211.4	
* 53 2-Butanone-d5	46	2.963	2.963	0.000	0	478025	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.998	0.001	100	546147	1000.0	995.0	
55 1,1-Dichloropropene	75	3.013	2.998	0.015	93	1324029	200.0	201.6	
56 Isooctane	57	3.092	3.084	0.008	98	1535822	200.0	201.9	
57 n-Heptane	57	3.185	3.178	0.007	88	407672	200.0	205.0	
58 Benzene	78	3.199	3.185	0.014	98	3906295	200.0	209.1	
59 Propionitrile	54	3.213	3.206	0.007	99	1261492	2000.0	2110.6	
60 Methacrylonitrile	67	3.235	3.228	0.007	96	3580114	2000.0	2138.7	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.299	3.292	0.007	0	270900	50.0	50.0	
62 Tert-amyl methyl ether	73	3.307	3.299	0.008	97	2704406	200.0	214.9	
63 1,2-Dichloroethane	62	3.350	3.349	0.001	97	1300976	200.0	198.7	
64 Isobutyl alcohol	43	3.436	3.428	0.008	97	892425	5000.0	5816.7	
65 t-Amyl alcohol	59	3.500	3.493	0.007	95	560017	2000.0	2361.8	
* 66 Fluorobenzene	96	3.536	3.529	0.007	98	921362	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	2007634	200.0	230.1	
68 Methylcyclohexane	83	3.665	3.657	0.008	94	939477	200.0	194.0	
69 Trichloroethene	130	3.686	3.672	0.014	97	917242	200.0	205.8	
70 2-ethoxy-2-methyl butane	59	3.923	3.922	0.001	91	2593489	200.0	224.6	
71 Dibromomethane	93	4.037	4.037	0.000	97	551971	200.0	209.4	
72 n-Butanol	56	4.059	4.059	0.000	91	565136	5000.0	5636.2	
73 1,2-Dichloropropane	63	4.138	4.130	0.008	87	1054068	200.0	213.3	
75 Dichlorobromomethane	83	4.223	4.216	0.007	99	1280085	200.0	220.0	
74 Ethyl acrylate	55	4.209	4.216	-0.007	98	1260005	200.0	218.9	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.001	0	38352	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	93	474413	400.0	449.7	
78 1,4-Dioxane	88	4.431	4.431	0.000	99	188593	4000.0	4072.2	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	1408068	200.0	237.1	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	633925	200.5	238.0	
81 cis-1,3-Dichloropropene	75	4.861	4.854	0.007	97	1602148	200.0	235.6	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	897052	50.0	50.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.112	5.104	0.008	93	4059857	200.0	202.9	
84 Epichlorohydrin	57	5.140	5.133	0.007	99	1757457	4000.0	4659.9	
85 2-Nitropropane	41	5.362	5.355	0.007	98	458198	400.0	481.5	
86 Tetrachloroethene	166	5.534	5.534	0.000	96	874598	200.0	202.8	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	99	4663679	1000.0	1096.0	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	96	1471752	200.0	236.9	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	695193	200.0	210.7	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	1276208	200.0	235.9	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	890225	200.0	227.7	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	97	1493801	200.0	220.6	
93 Ethylene Dibromide	107	6.222	6.222	0.000	99	821901	200.0	223.4	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	1524938	200.0	225.9	
95 2-Hexanone	43	6.630	6.630	0.000	98	3303116	1000.0	1136.5	
* 96 Chlorobenzene-d5	117	6.917	6.909	0.008	88	663311	50.0	50.0	
97 Chlorobenzene	112	6.938	6.931	0.007	90	2423213	200.0	199.2	
98 Ethylbenzene	106	7.024	7.017	0.007	99	1297820	200.0	205.8	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	96	842850	200.0	219.3	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	1629156	200.0	206.7	
101 o-Xylene	106	7.819	7.819	0.000	92	1554090	200.0	209.0	
102 Bromoform	173	7.884	7.884	0.000	95	554284	200.0	245.6	
103 Styrene	104	7.905	7.905	0.000	93	2723757	200.0	213.0	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	711714	200.0	224.7	
105 Isopropylbenzene	105	8.306	8.306	0.000	97	3675509	200.0	208.1	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	89	1874766	200.0	225.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	87	275285	50.0	50.6	
108 Bromobenzene	156	8.786	8.786	0.000	95	1053427	200.0	209.0	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	4342816	200.0	208.8	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	997885	200.0	212.1	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	3313248	200.0	209.1	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	3672180	200.0	212.1	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	97	288201	200.0	207.8	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	92	3088042	200.0	209.8	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	87	327749	200.0	224.8	
116 4-Chlorotoluene	91	9.381	9.374	0.007	99	3173119	200.0	211.7	
117 tert-Butylbenzene	119	9.746	9.746	0.000	92	2291734	200.0	209.7	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	3142017	200.0	212.1	
119 Butyl Methacrylate	87	9.889	9.889	0.000	97	1295389	200.0	204.8	
120 sec-Butylbenzene	105	10.040	10.040	0.000	98	3143098	200.0	206.1	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	94	1809498	200.0	204.8	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	2697695	200.0	212.9	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	359786	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	92	1909741	200.0	199.8	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	100	3431604	200.0	214.6	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	3378713	200.0	211.7	
127 Benzyl chloride	126	10.907	10.906	0.001	98	316730	200.0	206.1	
128 p-Diethylbenzene	119	10.935	10.935	0.000	94	1440232	200.0	218.6	
129 n-Butylbenzene	91	11.014	11.014	0.000	99	2403720	200.0	214.6	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	94	1826015	200.0	206.2	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	2538538	200.0	223.1	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	95	176829	200.0	217.3	
133 1,3,5-Trichlorobenzene	180	12.268	12.267	0.001	97	1070728	200.0	204.7	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	1021372	200.0	214.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	384893	200.0	203.2	
136 Naphthalene	128	13.242	13.242	0.000	99	2437957	200.0	226.0	
137 1,2,3-Trichlorobenzene	180	13.414	13.421	-0.007	95	927770	200.0	207.5	
S 138 1,2-Dichloroethene, Total	100				0		400.0	399.1	
S 139 1,3-Dichloropropene, Total	100				0		400.0	472.5	
S 140 Xylenes, Total	100				0		400.0	415.7	
S 142 Total BTEX	1				0		1000.0	1033.6	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00094	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00086	Amount Added:	20.00	Units: uL	
MIX I Hi_00112	Amount Added:	20.00	Units: uL	
Ethanol mix_00031	Amount Added:	20.00	Units: uL	
8FreonHi_00007	Amount Added:	20.00	Units: uL	
GAS Hi_00320	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2019 10:34:40 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65046.D

Injection Date: 23-Aug-2019 10:45:30 Instrument ID: CVOAMS13 Operator ID:

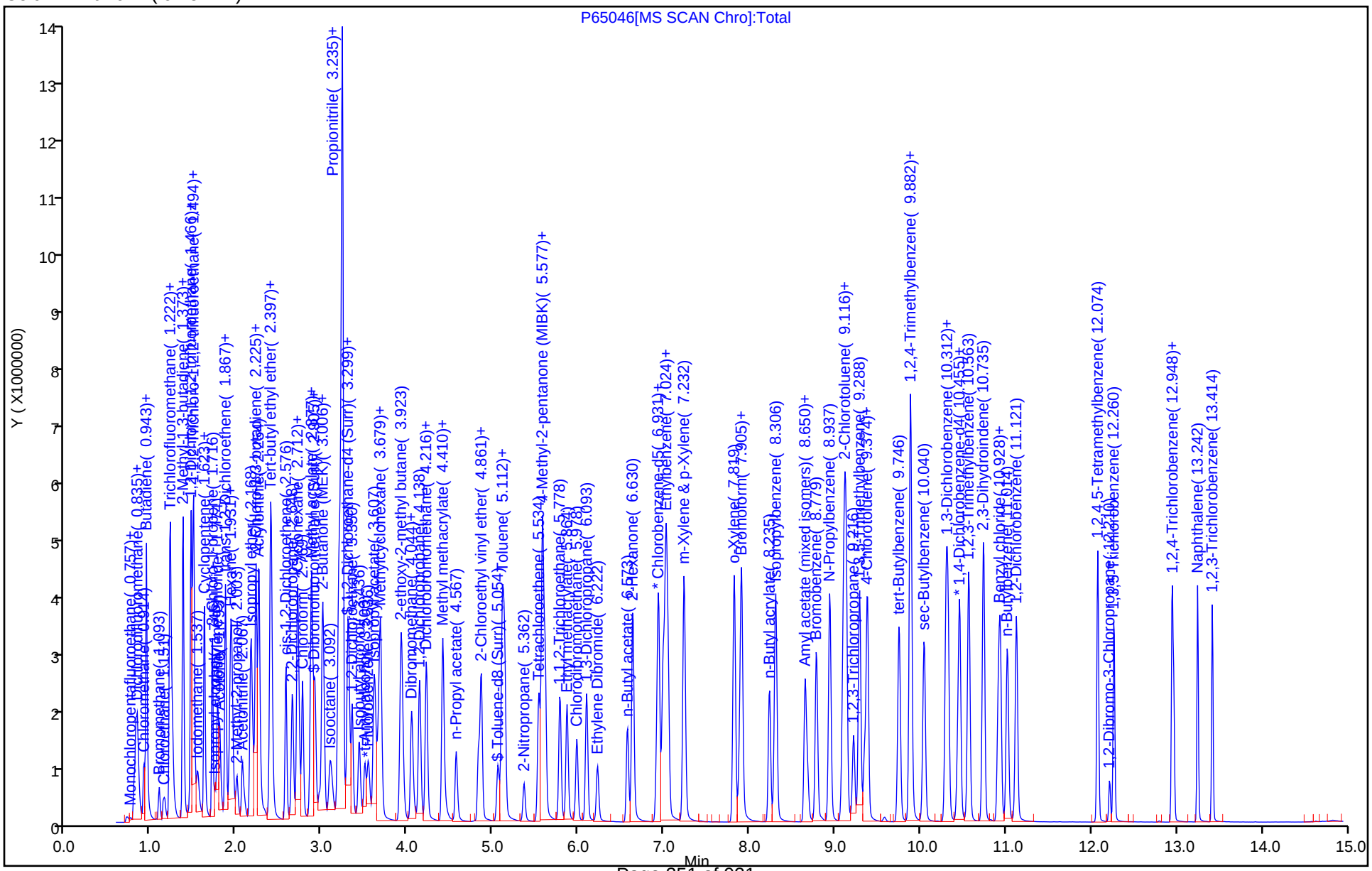
Lims ID: STD200 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

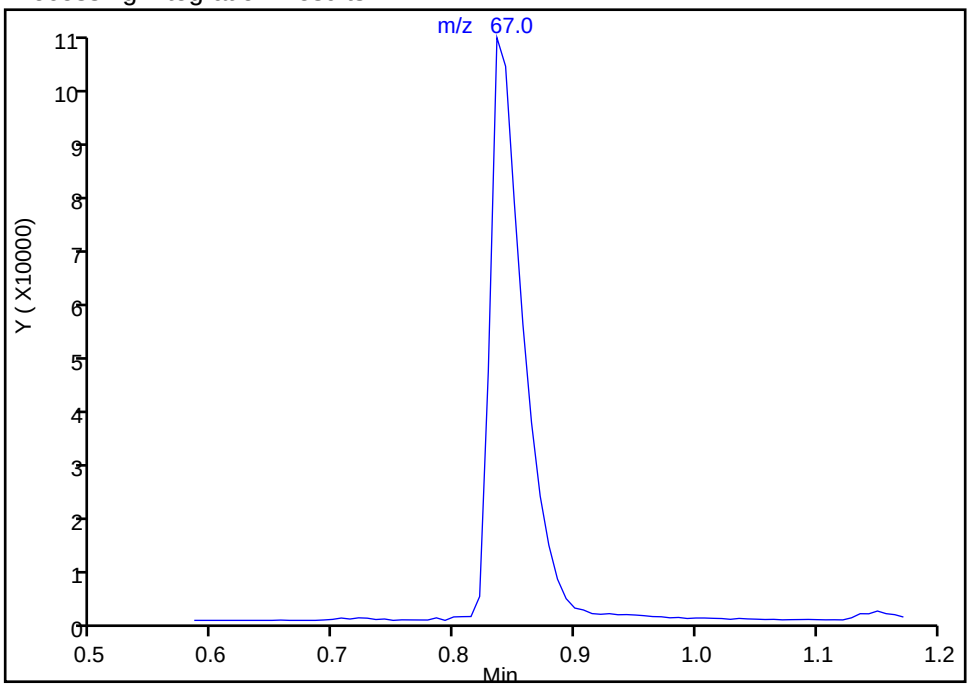
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65046.D
Injection Date: 23-Aug-2019 10:45:30 Instrument ID: CVOAMS13
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

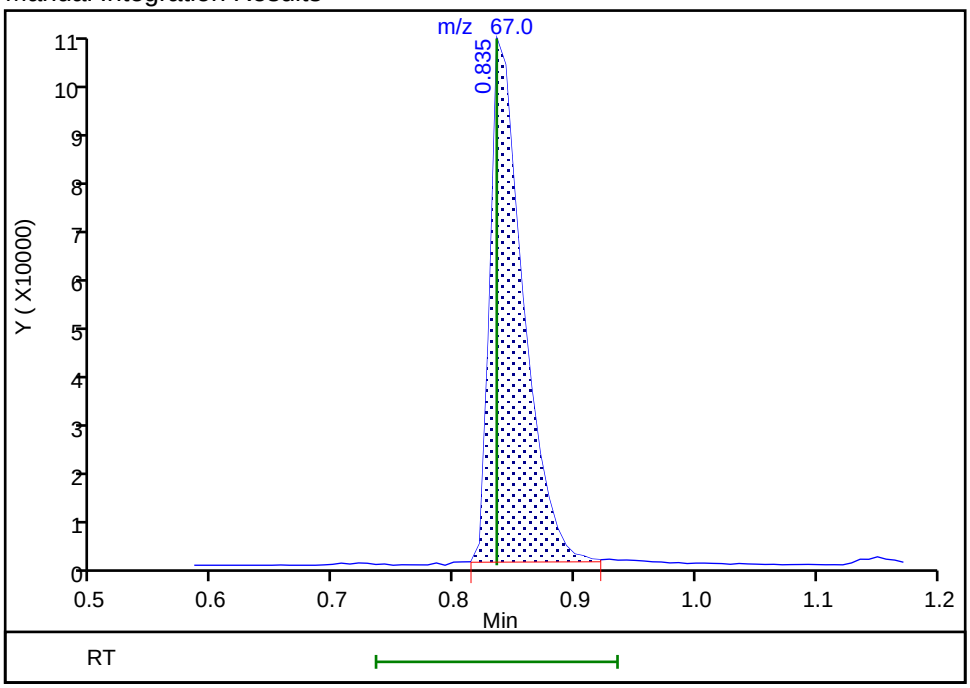
Not Detected
Expected RT: 0.84

Processing Integration Results



Manual Integration Results

RT: 0.84
Area: 195379
Amount: 200.3337
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 10:33:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65047.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 23-Aug-2019 11:10:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0096522-009
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:34:45 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 10:53:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.757	0.756	0.001	94	67259	500.0	660.5	
2 Chlorotrifluoroethene	116	0.800	0.792	0.008	88	612353	500.0	711.0	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	2524177	500.0	489.0	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	98	1289402	500.0	544.8	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	97	506549	500.0	514.7	
6 Chloromethane	50	0.914	0.914	0.000	98	2551405	500.0	496.8	
8 Butadiene	54	0.943	0.936	0.007	91	2799586	500.0	499.1	
7 Vinyl chloride	62	0.943	0.943	0.000	98	2785072	500.0	479.8	
9 Bromomethane	94	1.093	1.086	0.007	98	755810	500.0	396.5	
10 Chloroethane	64	1.143	1.150	-0.007	98	568107	500.0	298.7	
11 Pentane	72	1.215	1.208	0.007	95	405623	1000.0	968.2	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	95	2213042	500.0	380.3	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	3363070	500.0	416.4	
14 2-Methyl-1,3-butadiene	67	1.365	1.358	0.007	90	2597131	500.0	465.8	
15 Ethyl ether	59	1.373	1.365	0.008	88	1712804	500.0	468.5	
16 Ethanol	46	1.466	1.444	0.022	92	502894	20000	19560	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	93	1550176	500.0	467.2	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	89	2819064	500.0	459.4	
19 Carbon disulfide	76	1.487	1.480	0.007	100	6294666	500.0	498.7	
20 1,1,2-Trichloro-1,2,2-trif	101	1.494	1.487	0.007	94	1511771	500.0	458.0	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	94	2674556	500.0	464.2	
22 Iodomethane	142	1.545	1.544	0.001	99	2155178	500.0	498.7	
23 Cyclopentene	67	1.623	1.616	0.007	97	5102314	500.0	497.9	
24 Acrolein	56	1.645	1.637	0.008	96	144316	400.0	395.9	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	1192060	500.0	503.9	
26 Isopropyl alcohol	45	1.759	1.745	0.014	99	1368292	5000.0	4826.4	
27 Methylene Chloride	84	1.774	1.774	0.000	98	2145229	500.0	461.1	
28 Acetone	43	1.802	1.802	0.000	85	3176456	2500.0	2425.5	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	97	1881584	500.0	483.6	
30 Methyl acetate	43	1.874	1.874	0.000	99	3124518	1000.0	883.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.931	1.910	0.021	74	352004	500.0	508.3	
32 Methyl tert-butyl ether	73	1.938	1.931	0.007	89	6145463	500.0	514.6	
* 33 TBA-d9 (IS)	65	1.974	1.953	0.021	0	353151	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.017	1.996	0.021	99	1948707	5000.0	4946.7	
35 Acetonitrile	41	2.067	2.067	0.000	98	2655802	5000.0	4722.1	
36 Isopropyl ether	45	2.175	2.160	0.015	96	9179896	500.0	543.2	
37 2-Chloro-1,3-butadiene	88	2.225	2.211	0.014	91	1720504	500.0	481.6	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	98	3988116	500.0	479.4	
39 Acrylonitrile	53	2.261	2.254	0.007	91	8216415	5000.0	4953.8	
40 Tert-butyl ethyl ether	59	2.404	2.390	0.014	88	8126799	500.0	533.2	
41 Vinyl acetate	43	2.404	2.390	0.014	100	10772278	1000.0	1197.7	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	92	2256682	500.0	476.7	
43 2,2-Dichloropropane	77	2.648	2.640	0.008	96	3278913	500.0	525.3	
44 Cyclohexane	56	2.712	2.705	0.007	96	3753367	500.0	559.2	
45 Chlorobromomethane	128	2.712	2.705	0.007	97	1043000	500.0	458.5	
46 Chloroform	83	2.769	2.769	0.000	97	4002603	500.0	499.9	
47 Carbon tetrachloride	117	2.863	2.855	0.008	97	2813970	500.0	528.5	
48 Ethyl acetate	70	2.877	2.870	0.007	99	527807	1000.0	965.8	
49 Methyl acrylate	55	2.884	2.870	0.014	98	2175922	500.0	568.9	
50 Tetrahydrofuran	42	2.884	2.884	0.000	93	1926484	1000.0	1041.6	
$ 51 Dibromofluoromethane (Surr	113	2.906	2.898	0.008	96	195001	50.0	46.4	
52 1,1,1-Trichloroethane	97	2.913	2.905	0.008	98	3401471	500.0	521.7	
* 53 2-Butanone-d5	46	2.970	2.963	0.007	0	513001	250.0	250.0	
54 2-Butanone (MEK)	72	3.006	2.998	0.008	99	1398671	2500.0	2374.5	
55 1,1-Dichloropropene	75	3.013	2.998	0.015	94	3337876	500.0	503.5	
56 Isooctane	57	3.099	3.084	0.015	98	4224329	500.0	550.3	
57 n-Heptane	57	3.185	3.178	0.007	81	1156779	500.0	576.5	
58 Benzene	78	3.206	3.185	0.021	98	9382733	500.0	506.4	
59 Propionitrile	54	3.235	3.206	0.029	99	3082145	5000.0	4823.1	
60 Methacrylonitrile	67	3.249	3.228	0.021	97	7785037	5000.0	4608.5	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.299	3.292	0.007	0	276994	50.0	50.7	
62 Tert-amyl methyl ether	73	3.314	3.299	0.015	96	6697338	500.0	527.4	
63 1,2-Dichloroethane	62	3.357	3.349	0.008	97	3208658	500.0	485.6	
64 Isobutyl alcohol	43	3.443	3.428	0.015	97	2496743	12500	15220	
65 t-Amyl alcohol	59	3.514	3.493	0.021	97	1526404	5000.0	6020.9	
* 66 Fluorobenzene	96	3.543	3.529	0.014	98	929800	50.0	50.0	
67 Isopropyl acetate	43	3.607	3.600	0.007	98	5161273	500.0	586.2	
68 Methylcyclohexane	83	3.672	3.657	0.015	93	2546958	500.0	521.1	
69 Trichloroethene	130	3.686	3.672	0.014	94	2107503	500.0	468.6	
70 2-ethoxy-2-methyl butane	59	3.930	3.922	0.008	90	6658176	500.0	571.4	
71 Dibromomethane	93	4.044	4.037	0.007	96	1361925	500.0	512.0	
72 n-Butanol	56	4.073	4.059	0.014	92	1533061	12500	12038	
73 1,2-Dichloropropane	63	4.145	4.130	0.015	87	2717433	500.0	544.9	
75 Dichlorobromomethane	83	4.224	4.216	0.008	98	3174532	500.0	540.7	
74 Ethyl acrylate	55	4.216	4.216	0.000	98	3184297	500.0	486.7	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.001	0	39923	1000.0	1000.0	
77 Methyl methacrylate	100	4.417	4.410	0.007	94	1141754	1000.0	1072.3	
78 1,4-Dioxane	88	4.438	4.431	0.007	99	473452	10000	9820.8	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	3610066	500.0	602.4	
80 2-Chloroethyl vinyl ether	63	4.832	4.825	0.007	96	1599289	501.2	595.0	
81 cis-1,3-Dichloropropene	75	4.868	4.854	0.014	98	4089782	500.0	606.4	
$ 82 Toluene-d8 (Surr)	98	5.062	5.054	0.008	98	898877	50.0	51.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.112	5.104	0.008	93	9582437	500.0	482.9	
84 Epichlorohydrin	57	5.148	5.133	0.015	100	4491835	10000	11098	
85 2-Nitropropane	41	5.362	5.355	0.007	98	1229529	1000.0	1280.2	
86 Tetrachloroethene	166	5.534	5.534	0.000	95	2085725	500.0	487.6	
87 4-Methyl-2-pentanone (MIBK	43	5.584	5.577	0.007	99	11729251	2500.0	2568.6	
88 trans-1,3-Dichloropropene	75	5.620	5.606	0.014	97	3617052	500.0	586.9	
89 1,1,2-Trichloroethane	83	5.785	5.778	0.007	94	1730617	500.0	528.9	
90 Ethyl methacrylate	69	5.871	5.864	0.007	92	3245595	500.0	594.5	
91 Chlorodibromomethane	129	5.986	5.978	0.008	98	2245059	500.0	578.8	
92 1,3-Dichloropropane	76	6.100	6.093	0.007	98	3706760	500.0	551.9	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	2056132	500.0	563.5	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	3902933	500.0	481.9	
95 2-Hexanone	43	6.637	6.630	0.007	98	8546446	2500.0	2740.2	
* 96 Chlorobenzene-d5	117	6.917	6.909	0.008	91	657932	50.0	50.0	
97 Chlorobenzene	112	6.938	6.931	0.007	90	5774590	500.0	478.5	
98 Ethylbenzene	106	7.031	7.017	0.014	100	3030689	500.0	484.5	
99 1,1,1,2-Tetrachloroethane	131	7.053	7.046	0.007	93	2049005	500.0	537.4	
100 m-Xylene & p-Xylene	106	7.239	7.232	0.007	0	3876614	500.0	496.0	
101 o-Xylene	106	7.827	7.819	0.008	92	3697448	500.0	501.3	
102 Bromoform	173	7.884	7.884	0.000	95	1401500	500.0	626.0	
103 Styrene	104	7.912	7.905	0.007	93	6477507	500.0	510.1	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	1797561	500.0	482.3	
105 Isopropylbenzene	105	8.314	8.306	0.008	98	8770954	500.0	500.6	
106 Amyl acetate (mixed isomer	43	8.657	8.650	0.007	89	4847208	500.0	482.8	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	86	270659	50.0	50.2	
108 Bromobenzene	156	8.786	8.786	0.000	94	2517555	500.0	506.2	
109 N-Propylbenzene	91	8.944	8.937	0.007	98	10355804	500.0	504.7	
110 1,1,2,2-Tetrachloroethane	83	9.094	9.087	0.007	98	2420672	500.0	521.5	
111 2-Chlorotoluene	91	9.116	9.109	0.007	97	7743773	500.0	495.4	
112 4-Ethyltoluene	105	9.137	9.130	0.007	98	8303017	500.0	486.0	
113 1,2,3-Trichloropropane	110	9.223	9.216	0.007	97	709331	500.0	518.4	
114 1,3,5-Trimethylbenzene	105	9.295	9.288	0.007	92	7335424	500.0	505.1	
115 trans-1,4-Dichloro-2-buten	53	9.352	9.345	0.007	87	891753	500.0	483.6	
116 4-Chlorotoluene	91	9.388	9.374	0.014	99	7641129	500.0	516.6	
117 tert-Butylbenzene	119	9.753	9.746	0.007	91	5427462	500.0	503.3	
118 1,2,4-Trimethylbenzene	105	9.889	9.882	0.007	99	7093601	500.0	485.3	
119 Butyl Methacrylate	87	9.897	9.889	0.008	97	3039316	500.0	499.3	
120 sec-Butylbenzene	105	10.047	10.040	0.007	98	7500499	500.0	498.4	
121 1,3-Dichlorobenzene	146	10.305	10.298	0.007	93	4170708	500.0	478.3	
122 4-Isopropyltoluene	119	10.334	10.319	0.015	97	6240895	500.0	499.2	
* 123 1,4-Dichlorobenzene-d4	152	10.441	10.434	0.007	97	354990	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.470	10.455	0.015	92	4481265	500.0	475.3	
125 1,2,3-Trimethylbenzene	105	10.570	10.563	0.007	100	7971268	500.0	505.2	
126 2,3-Dihydroindene	117	10.749	10.735	0.014	94	7697003	500.0	488.8	
127 Benzyl chloride	126	10.914	10.906	0.008	98	841626	500.0	499.3	
128 p-Diethylbenzene	119	10.942	10.935	0.007	92	3296313	500.0	507.2	
129 n-Butylbenzene	91	11.021	11.014	0.007	98	5699667	500.0	515.7	
130 1,2-Dichlorobenzene	146	11.129	11.121	0.008	93	4251012	500.0	486.6	
131 1,2,4,5-Tetramethylbenzene	119	12.081	12.074	0.007	96	5755709	500.0	512.8	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	96	457839	500.0	487.9	
133 1,3,5-Trichlorobenzene	180	12.268	12.267	0.001	96	2416282	500.0	468.1	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	2292430	500.0	488.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	95	899646	500.0	481.4	
136 Naphthalene	128	13.242	13.242	0.000	98	5833225	500.0	548.1	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	95	2133588	500.0	483.6	
S 138 1,2-Dichloroethene, Total	100				0		1000.0	960.3	
S 139 1,3-Dichloropropene, Total	100				0		1000.0	1193.3	
S 140 Xylenes, Total	100				0		1000.0	997.3	
S 142 Total BTEX	1				0		2500.0	2471.1	

Reagents:

MIX 2 Hi_00086	Amount Added:	50.00	Units: uL	
MIX I Hi_00112	Amount Added:	50.00	Units: uL	
Ethanol mix_00031	Amount Added:	50.00	Units: uL	
GAS Hi_00320	Amount Added:	50.00	Units: uL	
8FreonHi_00007	Amount Added:	50.00	Units: uL	
ACROLEIN W_00094	Amount Added:	40.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

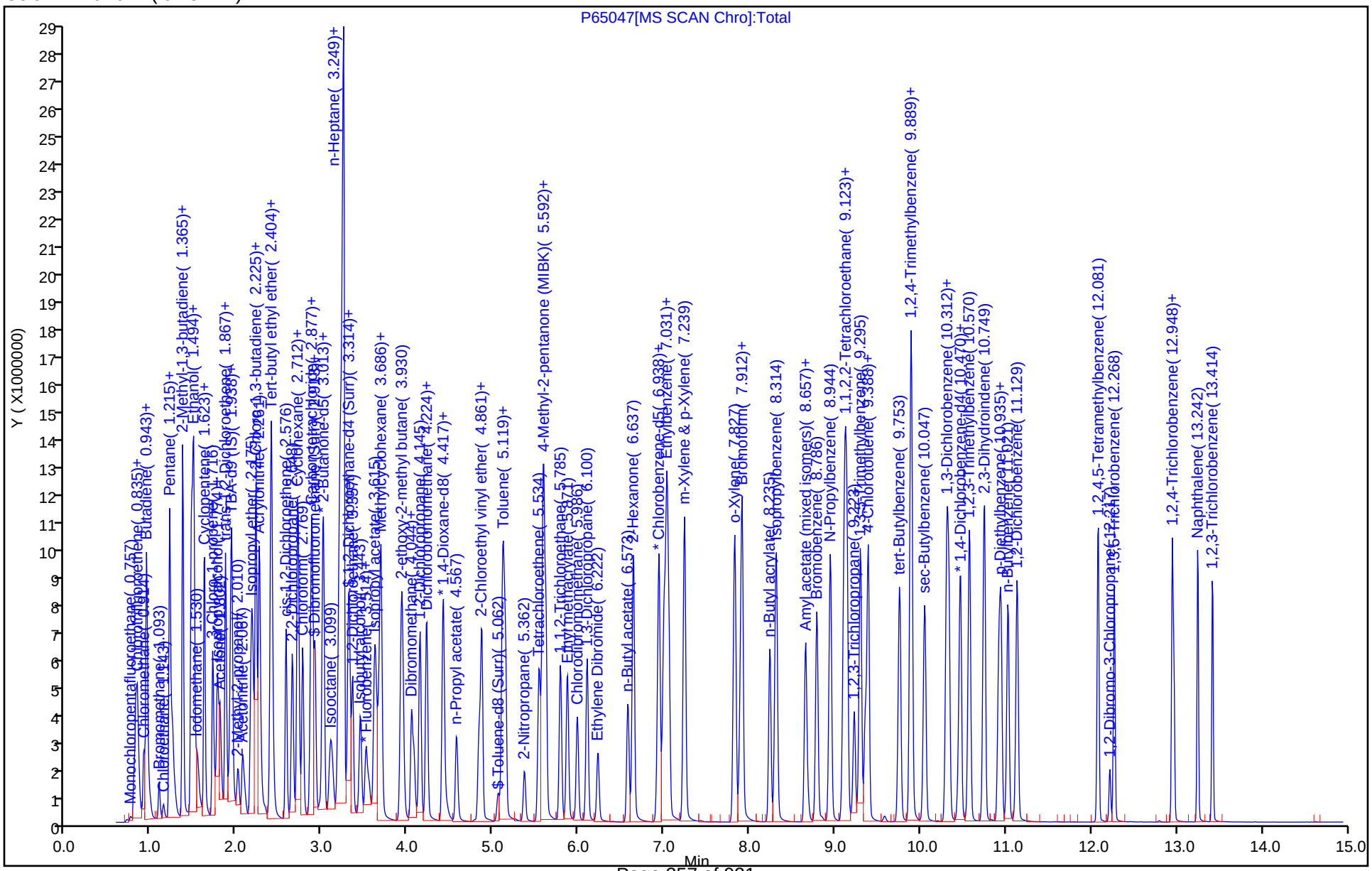
Report Date: 25-Aug-2019 10:34:53 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65047.D

Injection Date:	23-Aug-2019 11:10:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	STD500			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Aug-2019 13:15:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0096522-014
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 25-Aug-2019 10:34:58 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: desais Date: 23-Aug-2019 12:36:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.764	0.756	0.008	27	168	5.00	1.63	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	86	4359	5.00	5.00	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	27061	5.00	5.18	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	93	11576	5.00	4.83	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	97	4782	5.00	4.80	a
6 Chloromethane	50	0.914	0.914	0.000	99	27375	5.00	5.27	
8 Butadiene	54	0.936	0.936	0.000	96	27348	5.00	4.82	
7 Vinyl chloride	62	0.943	0.943	0.000	67	30113	5.00	5.13	
9 Bromomethane	94	1.086	1.086	0.000	97	10471	5.00	6.17	
10 Chloroethane	64	1.151	1.150	0.001	99	17207	5.00	5.65	
11 Pentane	72	1.215	1.208	0.007	97	7705	10.0	11.2	
12 Trichlorofluoromethane	101	1.215	1.215	0.000	97	33865	5.00	5.75	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	43923	5.00	5.37	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	29406	5.00	5.21	
15 Ethyl ether	59	1.365	1.365	0.000	93	19920	5.00	5.38	
16 Ethanol	46	1.444	1.444	0.000	97	4712	200.0	196.2	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	74	31950	5.00	5.14	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	95	18081	5.00	5.38	
19 Carbon disulfide	76	1.480	1.480	0.000	100	67083	5.00	5.25	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	93	18059	5.00	5.40	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	45	29260	5.00	5.02	
22 Iodomethane	142	1.545	1.544	0.001	97	3778	5.00	0.7859	M
23 Cyclopentene	67	1.616	1.616	0.000	96	54189	5.00	5.22	
24 Acrolein	56	1.638	1.637	0.001	96	6579	20.0	19.3	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	90	11992	5.00	5.01	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	12513	50.0	47.2	
27 Methylene Chloride	84	1.774	1.774	0.000	97	23910	5.00	5.08	
28 Acetone	43	1.802	1.802	0.000	86	32235	25.0	27.6	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	21781	5.00	5.53	
30 Methyl acetate	43	1.874	1.874	0.000	100	34757	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	79	3845	5.00	5.48	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	95	62976	5.00	5.21	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	329939	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	18139	50.0	49.3	
35 Acetonitrile	41	2.067	2.067	0.000	98	28234	50.0	53.7	
36 Isopropyl ether	45	2.161	2.160	0.001	96	86664	5.00	5.07	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	94	18983	5.00	5.25	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	44096	5.00	5.24	
39 Acrylonitrile	53	2.261	2.254	0.007	94	86191	50.0	51.3	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	89	79215	5.00	5.13	
41 Vinyl acetate	43	2.397	2.390	0.007	100	76270	10.0	8.38	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	95	25307	5.00	5.28	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	95	32392	5.00	5.13	
44 Cyclohexane	56	2.705	2.705	0.000	93	35354	5.00	5.20	
45 Chlorobromomethane	128	2.712	2.705	0.007	94	12478	5.00	5.42	
46 Chloroform	83	2.769	2.769	0.000	98	43005	5.00	5.31	
47 Carbon tetrachloride	117	2.855	2.855	0.000	97	26284	5.00	4.88	
48 Ethyl acetate	70	2.870	2.870	0.000	99	5207	10.0	10.7	
49 Methyl acrylate	55	2.877	2.870	0.007	75	18853	5.00	4.87	
50 Tetrahydrofuran	42	2.884	2.884	0.000	94	17254	10.0	10.5	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	221981	50.0	52.1	
52 1,1,1-Trichloroethane	97	2.906	2.905	0.001	98	32899	5.00	4.99	
* 53 2-Butanone-d5	46	2.956	2.963	-0.007	0	456978	250.0	250.0	
54 2-Butanone (MEK)	72	2.991	2.998	-0.007	98	13808	25.0	26.3	
55 1,1-Dichloropropene	75	2.999	2.998	0.001	83	35297	5.00	5.26	a
56 Isooctane	57	3.085	3.084	0.001	98	43528	5.00	5.60	
57 n-Heptane	57	3.185	3.178	0.007	83	10736	5.00	5.29	
58 Benzene	78	3.185	3.185	0.000	96	101337	5.00	5.23	
59 Propionitrile	54	3.214	3.206	0.008	99	30560	50.0	51.2	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	93089	50.0	54.4	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	274383	50.0	49.6	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	65296	5.00	5.08	
63 1,2-Dichloroethane	62	3.350	3.349	0.001	97	34372	5.00	5.14	
64 Isobutyl alcohol	43	3.428	3.428	0.000	97	17185	125.0	112.1	
65 t-Amyl alcohol	59	3.493	3.493	0.000	89	10706	50.0	45.2	a
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	941179	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	40776	5.00	4.58	
68 Methylcyclohexane	83	3.650	3.657	-0.007	94	26885	5.00	5.43	
69 Trichloroethene	130	3.672	3.672	0.000	98	24956	5.00	5.48	
70 2-ethoxy-2-methyl butane	59	3.923	3.922	0.001	93	57567	5.00	4.88	
71 Dibromomethane	93	4.044	4.037	0.007	96	14307	5.00	5.31	
72 n-Butanol	56	4.059	4.059	0.000	90	8557	125.0	110.0	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	86	25434	5.00	5.04	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	28759	5.00	4.84	
74 Ethyl acrylate	55	4.216	4.216	0.000	71	24726	5.00	5.10	
* 76 1,4-Dioxane-d8	96	4.403	4.402	0.001	0	38518	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	92	10987	10.0	10.2	
78 1,4-Dioxane	88	4.431	4.431	0.000	49	5263	100.0	113.2	
79 n-Propyl acetate	43	4.575	4.567	0.007	98	27383	5.00	4.51	
80 2-Chloroethyl vinyl ether	63	4.832	4.825	0.007	97	12961	5.01	4.76	
81 cis-1,3-Dichloropropene	75	4.861	4.854	0.007	96	33829	5.00	4.80	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	98	914271	50.0	50.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.105	5.104	0.001	92	111673	5.00	5.38	
84 Epichlorohydrin	57	5.140	5.133	0.007	99	35346	100.0	98.0	
85 2-Nitropropane	41	5.362	5.355	0.007	97	8163	10.0	8.40	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	23347	5.00	5.22	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	101845	25.0	25.0	
88 trans-1,3-Dichloropropene	75	5.613	5.606	0.007	97	31249	5.00	4.85	
89 1,1,2-Trichloroethane	83	5.785	5.778	0.007	95	17404	5.00	5.09	
90 Ethyl methacrylate	69	5.864	5.864	0.000	90	25998	5.00	4.70	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	19630	5.00	4.84	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	34841	5.00	4.96	
93 Ethylene Dibromide	107	6.222	6.222	0.000	99	18902	5.00	4.96	
94 n-Butyl acetate	43	6.580	6.573	0.007	98	24784	5.00	4.66	
95 2-Hexanone	43	6.637	6.630	0.007	96	68935	25.0	24.8	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	89	687658	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	68125	5.00	5.40	
98 Ethylbenzene	106	7.017	7.017	0.000	99	34055	5.00	5.21	
99 1,1,1,2-Tetrachloroethane	131	7.039	7.046	-0.007	91	20317	5.00	5.10	
100 m-Xylene & p-Xylene	106	7.239	7.232	0.007	0	42489	5.00	5.20	
101 o-Xylene	106	7.819	7.819	0.000	93	39837	5.00	5.17	
102 Bromoform	173	7.884	7.884	0.000	93	10491	5.00	4.48	
103 Styrene	104	7.912	7.905	0.007	94	58528	5.00	4.78	
104 n-Butyl acrylate	73	8.249	8.235	0.014	97	11942	5.00	4.72	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	98766	5.00	5.39	
106 Amyl acetate (mixed isomer	43	8.657	8.650	0.007	91	29901	5.00	4.66	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	282509	50.0	50.1	
108 Bromobenzene	156	8.786	8.786	0.000	97	27298	5.00	5.21	
109 N-Propylbenzene	91	8.944	8.937	0.007	99	113419	5.00	5.25	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	97	24701	5.00	5.05	
111 2-Chlorotoluene	91	9.109	9.109	0.000	96	87073	5.00	5.29	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	95508	5.00	5.31	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	96	7376	5.00	5.12	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	92	79558	5.00	5.20	
115 trans-1,4-Dichloro-2-buten	53	9.352	9.345	0.007	68	5034	5.00	4.48	
116 4-Chlorotoluene	91	9.381	9.374	0.007	99	82430	5.00	5.29	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	60670	5.00	5.34	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	97	81774	5.00	5.31	
119 Butyl Methacrylate	87	9.889	9.889	0.000	98	19208	5.00	2.87	
120 sec-Butylbenzene	105	10.047	10.040	0.007	99	86182	5.00	5.44	
121 1,3-Dichlorobenzene	146	10.305	10.298	0.007	94	49680	5.00	5.41	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	69784	5.00	5.30	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	373897	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	93	53660	5.00	5.40	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	87063	5.00	5.24	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	88215	5.00	5.32	
127 Benzyl chloride	126	10.921	10.906	0.015	94	3933	5.00	2.67	
128 p-Diethylbenzene	119	10.935	10.935	0.000	90	35032	5.00	5.12	
129 n-Butylbenzene	91	11.021	11.014	0.007	98	61215	5.00	5.26	
130 1,2-Dichlorobenzene	146	11.129	11.121	0.008	95	49741	5.00	5.41	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	60094	5.00	5.08	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	90	3364	5.00	4.91	
133 1,3,5-Trichlorobenzene	180	12.268	12.267	0.001	96	29891	5.00	5.50	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	95	26314	5.00	5.32	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	95	10947	5.00	5.56	
136 Naphthalene	128	13.249	13.242	0.007	99	58299	5.00	5.20	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	95	26542	5.00	5.71	
S 138 1,2-Dichloroethene, Total	100				0		10.0	10.8	
S 139 1,3-Dichloropropene, Total	100				0		10.0	9.65	
S 140 Xylenes, Total	100				0		10.0	10.4	
S 142 Total BTEX	1				0		25.0	26.2	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00329	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00103	Amount Added:	10.00	Units: uL	
ACROLEIN W_00094	Amount Added:	4.00	Units: uL	
524freon_00009	Amount Added:	10.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00199	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 25-Aug-2019 10:35:05 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13 Operator ID:

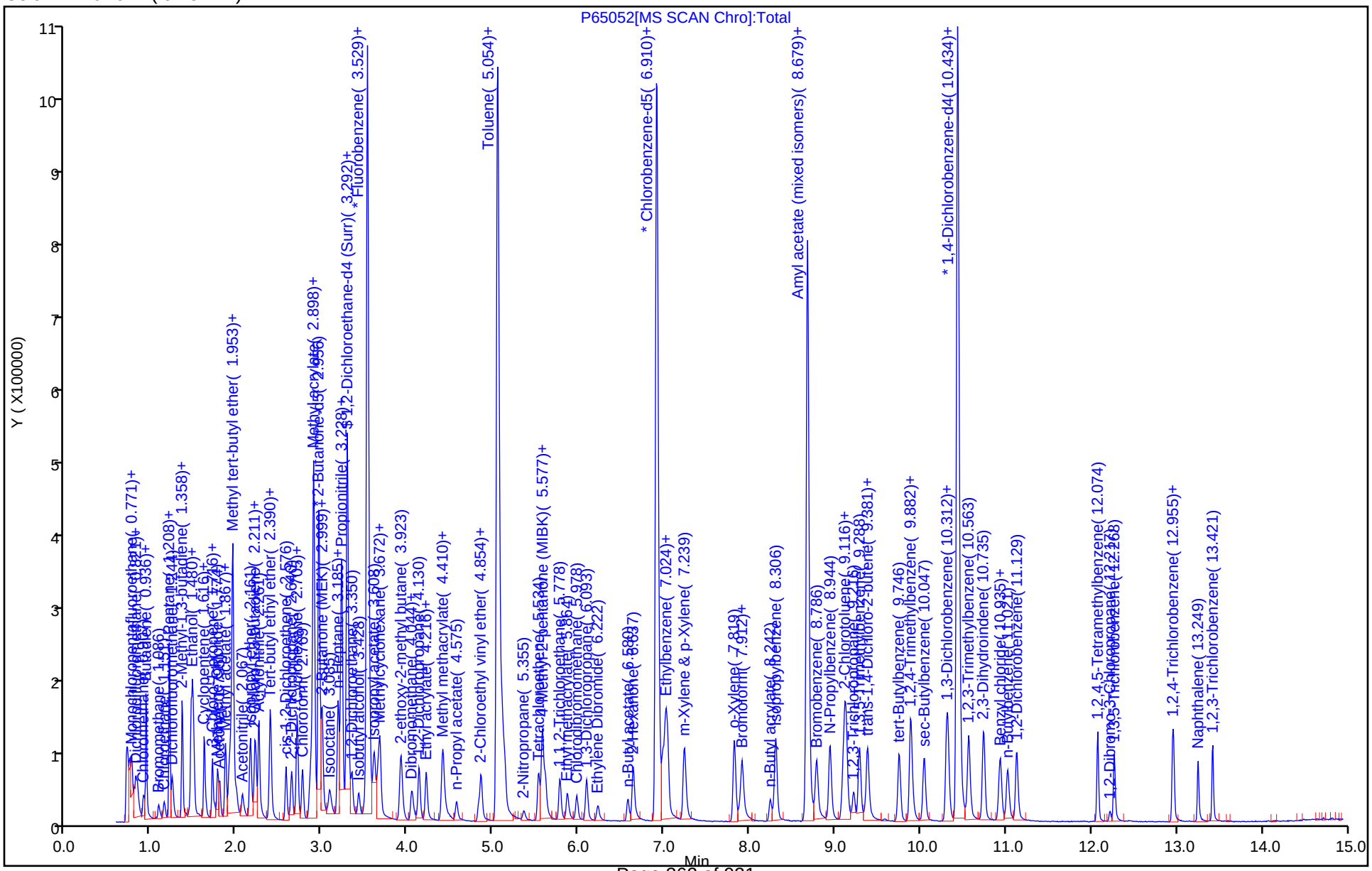
Lims ID: STD5 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

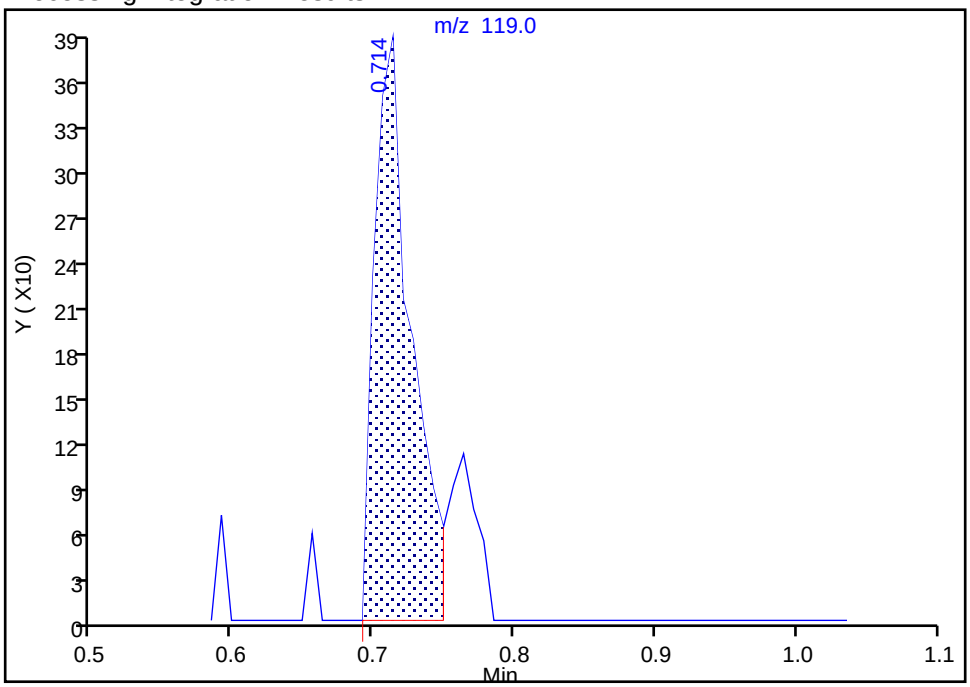
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

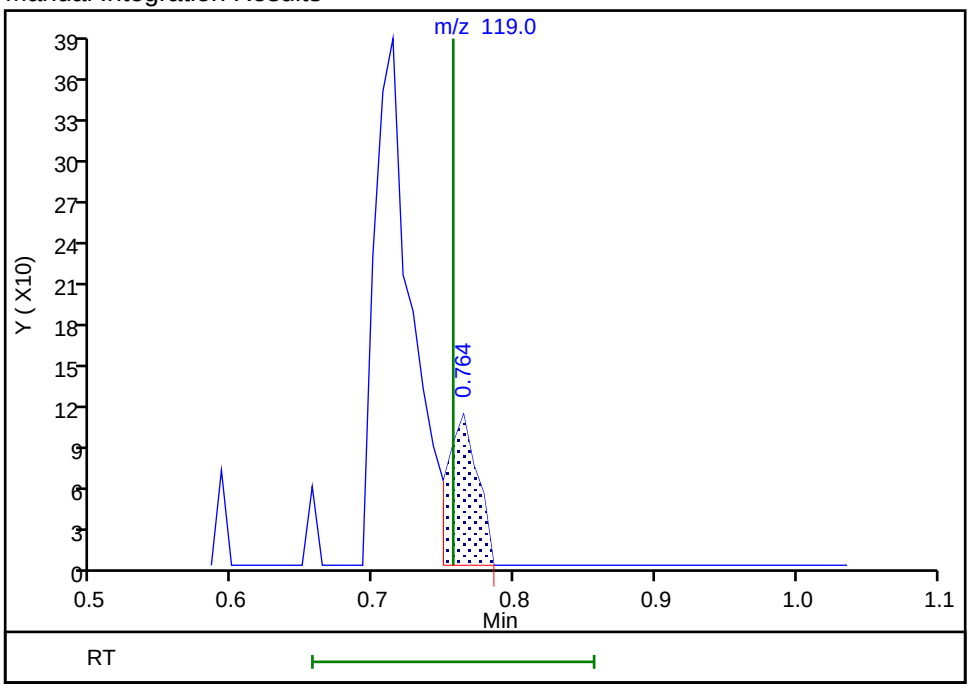
Processing Integration Results

RT: 0.71
Area: 707
Amount: 10.089287
Amount Units: ug/l



Manual Integration Results

RT: 0.76
Area: 168
Amount: 1.629794
Amount Units: ug/l



Reviewer: pakanatir, 23-Aug-2019 16:57:05
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

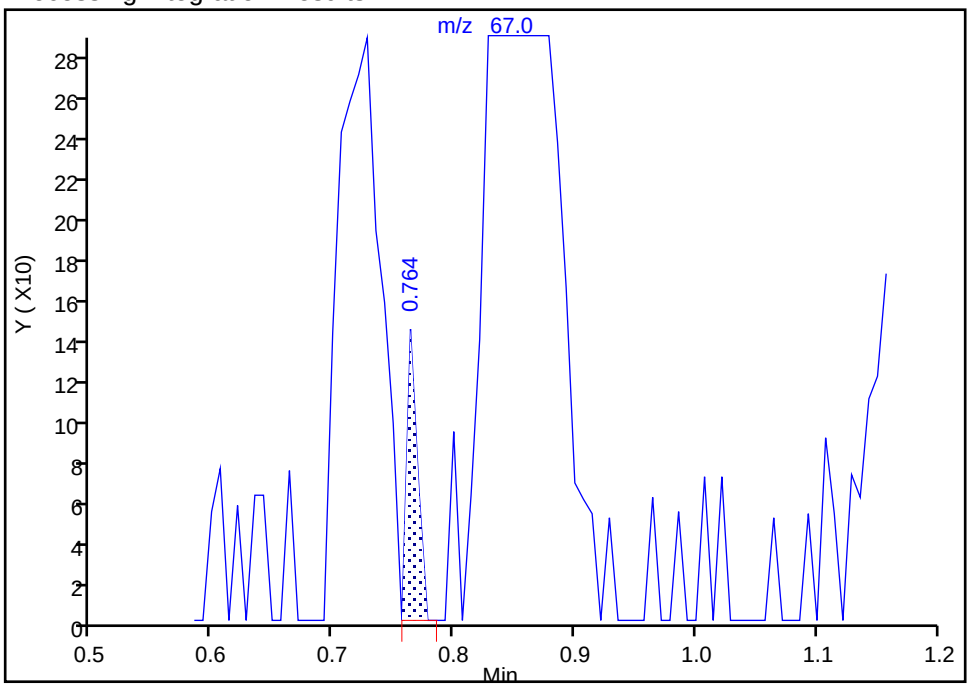
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

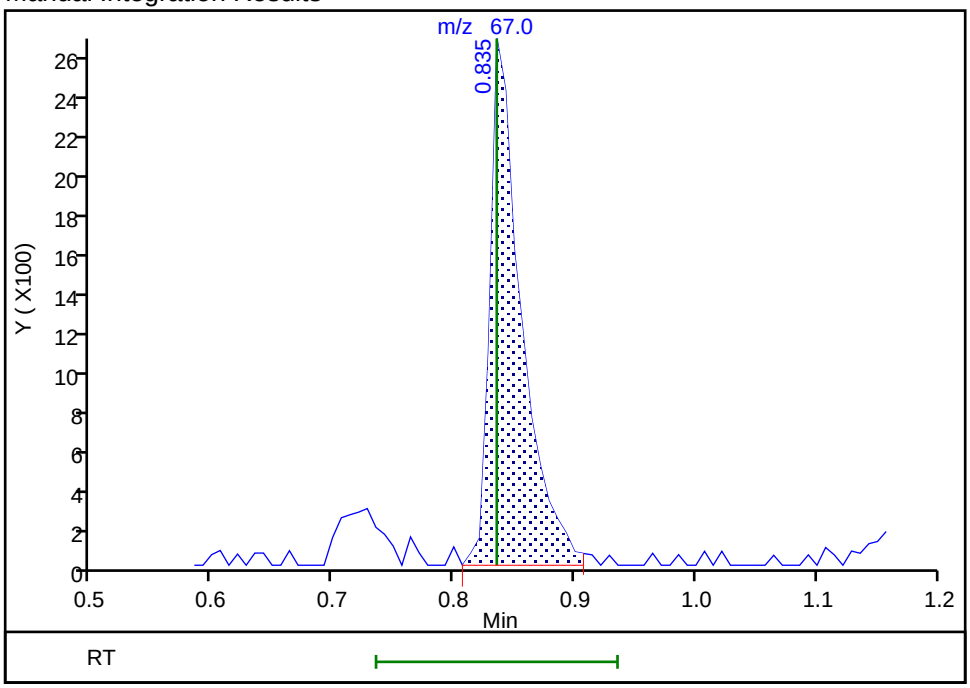
Processing Integration Results

RT: 0.76
Area: 88
Amount: 0.090820
Amount Units: ug/l



Manual Integration Results

RT: 0.84
Area: 4782
Amount: 4.800029
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 12:35:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

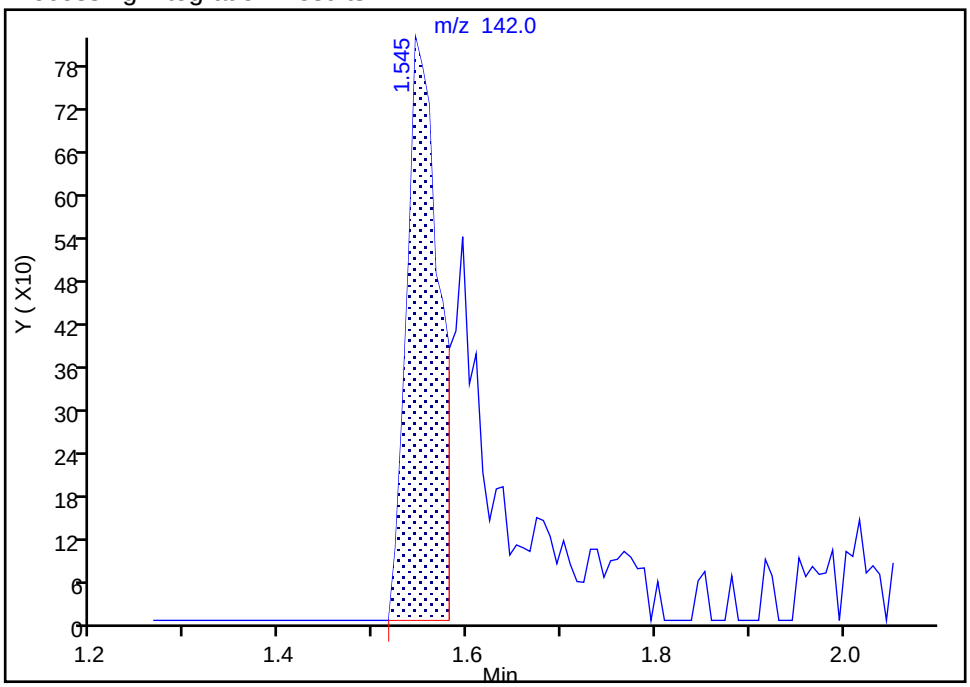
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Iodomethane, CAS: 74-88-4

Signal: 1

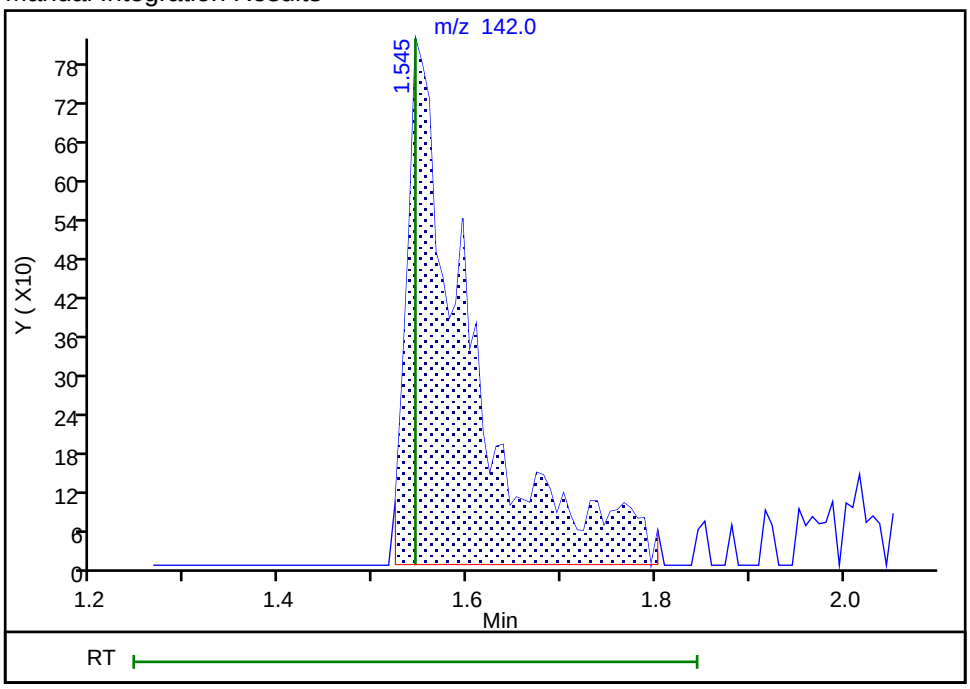
Processing Integration Results

RT: 1.54
Area: 1935
Amount: 0.402518
Amount Units: ug/l



Manual Integration Results

RT: 1.54
Area: 3778
Amount: 0.785862
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 12:35:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

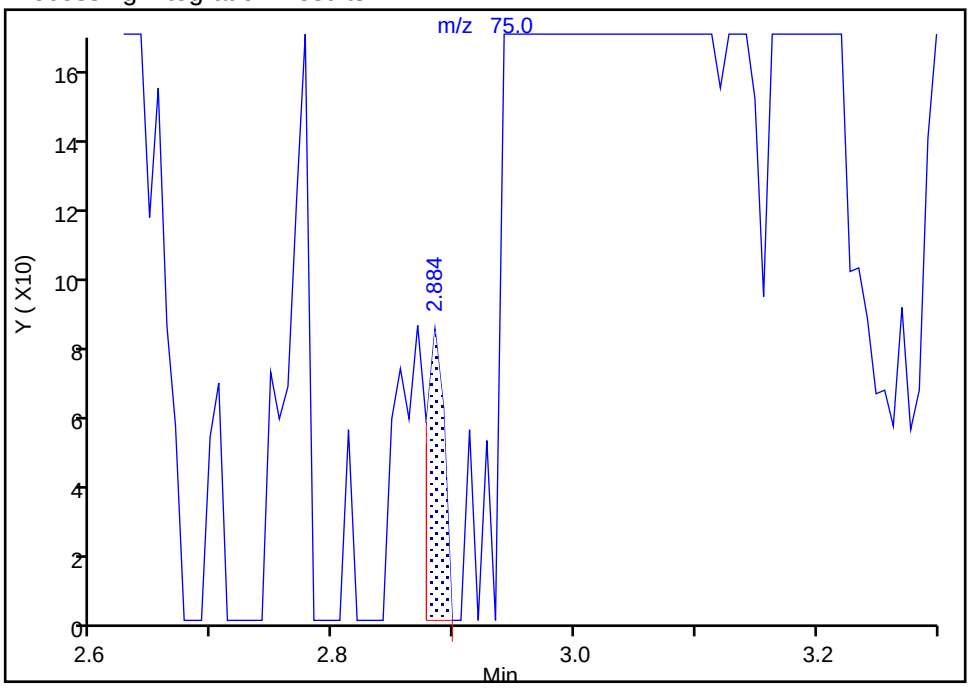
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D
Injection Date: 23-Aug-2019 13:15:30 Instrument ID: CVOAMS13
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

55 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

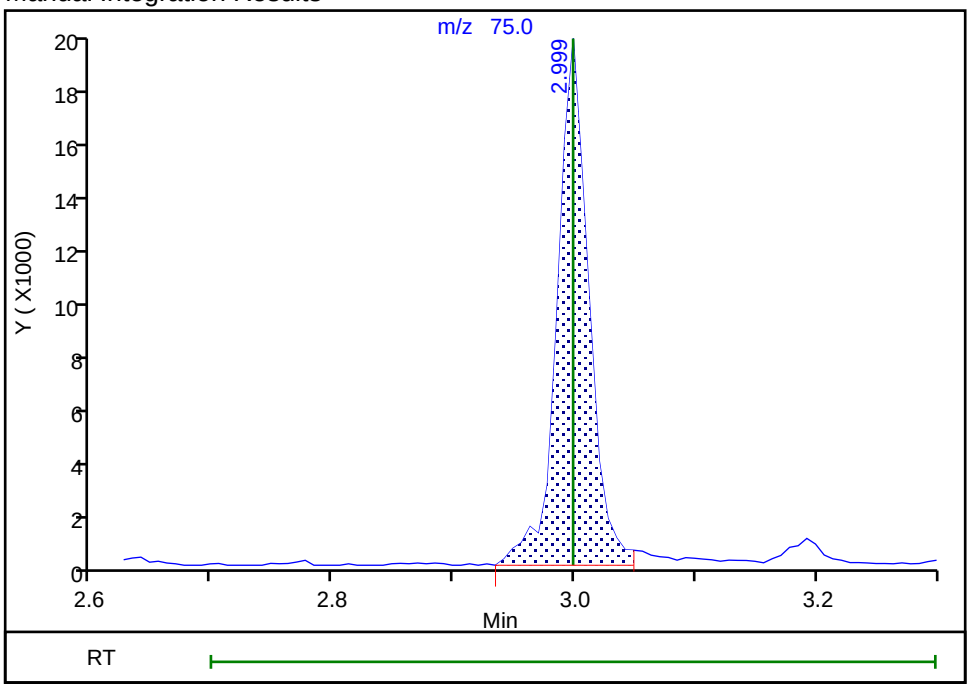
Processing Integration Results

RT: 2.88
Area: 84
Amount: 0.012630
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 35297
Amount: 5.260361
Amount Units: ug/l



Reviewer: desais, 23-Aug-2019 12:36:08
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639562/2 Calibration Date: 09/16/2019 07:28

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65891.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0463	0.0210		9.08	20.0	-54.6*	20.0
Dichlorodifluoromethane	Ave	0.2776	0.1633	0.1000	11.8	20.0	-41.2*	20.0
1,1-Difluoroethane	Ave	0.1273	0.1067		16.8	20.0	-16.2	20.0
Chlorodifluoromethane	Ave	0.0529	0.0405		15.3	20.0	-23.5*	20.0
Chloromethane	Ave	0.2762	0.3067	0.1000	22.2	20.0	11.1	20.0
Butadiene	Ave	0.3016	0.2574		17.1	20.0	-14.7	20.0
Vinyl chloride	Ave	0.3121	0.3292	0.1000	21.1	20.0	5.5	20.0
Bromomethane	Ave	0.9290	0.8909	0.1000	19.2	20.0	-4.1	50.0
Chloroethane	QuaF		0.2009	0.1000	25.5	20.0	27.3	50.0
Pentane	Qua2		1.427		28.7	40.0	-28.2*	20.0
Trichlorofluoromethane	Ave	0.3129	0.2883	0.1000	18.4	20.0	-7.9	20.0
Dichlorofluoromethane	Ave	0.4343	0.5257		24.2	20.0	21.0*	20.0
2-Methyl-1,3-butadiene	Ave	0.2998	0.2771		18.5	20.0	-7.6	20.0
Ethyl ether	Ave	0.1966	0.2193		22.3	20.0	11.5	20.0
Ethanol	Ave	0.0728	0.0824		905	800	13.1	50.0
1,1-Dichloroethene	Ave	0.1784	0.1700	0.1000	19.1	20.0	-4.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3300	0.2950		17.9	20.0	-10.6	20.0
Carbon disulfide	Ave	0.6788	0.6532	0.1000	19.2	20.0	-3.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1775	0.1406	0.1000	15.8	20.0	-20.8*	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3099	0.2722		17.6	20.0	-12.1	20.0
Iodomethane	QuaF		0.1099		8.62	20.0	-56.9*	20.0
Cyclopentene	Ave	0.5511	0.4519		16.4	20.0	-18.0	20.0
Acrolein	Ave	1.032	1.798		69.7	40.0	74.1*	50.0
Allyl chloride	Ave	0.1272	0.1289		20.3	20.0	1.3	20.0
Isopropyl alcohol	Ave	0.8028	0.8066		201	200	0.5	50.0
Methylene Chloride	Ave	0.2502	0.2461	0.1000	19.7	20.0	-1.6	20.0
Acetone	Ave	0.6382	0.5968	0.0500	93.5	100	-6.5	50.0
trans-1,2-Dichloroethene	Ave	0.2092	0.2190	0.1000	20.9	20.0	4.6	20.0
Methyl acetate	Ave	10.01	9.600	0.1000	38.4	40.0	-4.1	20.0
Hexane	Ave	0.0372	0.0246		13.2	20.0	-33.9*	20.0
Acetonitrile	Ave	1.593	1.529		192	200	-4.0	20.0
Methyl tert-butyl ether	Ave	0.6422	0.6671	0.1000	20.8	20.0	3.9	20.0
2-Methyl-2-propanol	Ave	1.116	1.122		201	200	0.6	50.0
Isopropyl ether	Ave	0.9088	0.8826		19.4	20.0	-2.9	20.0
2-Chloro-1,3-butadiene	Ave	0.1921	0.1902		19.8	20.0	-1.0	20.0
1,1-Dichloroethane	Ave	0.4473	0.4541	0.2000	20.3	20.0	1.5	20.0
Acrylonitrile	Ave	0.0892	0.0960		215	200	7.6	20.0
Tert-butyl ethyl ether	Ave	0.8195	0.9172		22.4	20.0	11.9	20.0
Vinyl acetate	Ave	0.4837	0.6755		55.9	40.0	39.7*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639562/2 Calibration Date: 09/16/2019 07:28

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65891.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
cis-1,2-Dichloroethene	Ave	0.2545	0.2782	0.1000	21.9	20.0	9.3	20.0
2,2-Dichloropropane	Ave	0.3357	0.3657		21.8	20.0	9.0	20.0
Chlorobromomethane	Ave	0.1223	0.1335		21.8	20.0	9.2	20.0
Cyclohexane	Ave	0.3609	0.3047	0.1000	16.9	20.0	-15.6	50.0
Chloroform	Ave	0.4306	0.4953	0.2000	23.0	20.0	15.0	20.0
Carbon tetrachloride	Ave	0.2863	0.2752	0.1000	19.2	20.0	-3.9	20.0
Ethyl acetate	Ave	0.2663	0.2770		41.6	40.0	4.0	20.0
Methyl acrylate	Ave	0.2057	0.2205		21.4	20.0	7.2	20.0
Tetrahydrofuran	Ave	0.9014	0.9554		42.4	40.0	6.0	20.0
1,1,1-Trichloroethane	Ave	0.3506	0.3657	0.1000	20.9	20.0	4.3	20.0
1,1-Dichloropropene	Ave	0.3565	0.3604		20.2	20.0	1.1	20.0
2-Butanone (MEK)	Ave	0.2871	0.2843	0.0500	99.0	100	-1.0	50.0
2,2,4-Trimethylpentane	Ave	0.4128	0.3338		16.2	20.0	-19.1	20.0
n-Heptane	Ave	0.1079	0.0928		17.2	20.0	-14.0	20.0
Benzene	Ave	1.408	1.587	0.5000	22.5	20.0	12.7	20.0
Propionitrile	Ave	1.810	2.214		245	200	22.4*	20.0
Methacrylonitrile	Ave	0.0908	0.1107		244	200	21.9*	20.0
Tert-amyl methyl ether	Ave	0.6829	0.7296		21.4	20.0	6.8	20.0
1,2-Dichloroethane	Ave	0.3553	0.3779	0.1000	21.3	20.0	6.4	20.0
Isobutyl alcohol	Ave	0.4645	0.4830		520	500	4.0	50.0
Isopropyl acetate	Ave	0.4735	0.5169		21.8	20.0	9.2	20.0
Methylcyclohexane	Ave	0.2629	0.2191	0.1000	16.7	20.0	-16.7	50.0
Trichloroethene	Ave	0.2419	0.2640	0.2000	21.8	20.0	9.2	20.0
Dibromomethane	Ave	0.1431	0.1590		22.2	20.0	11.2	20.0
n-Butanol	Qua2		0.2935		575	500	14.9	50.0
1,2-Dichloropropane	Ave	0.2682	0.3003	0.1000	22.4	20.0	12.0	20.0
Dichlorobromomethane	Ave	0.3157	0.3527	0.2000	22.3	20.0	11.7	20.0
Ethyl acrylate	Qua2		0.2992		21.5	20.0	7.5	20.0
Methyl methacrylate	Ave	0.0573	0.0611		42.7	40.0	6.7	20.0
1,4-Dioxane	Ave	1.208	1.303		432	400	7.9	50.0
n-Propyl acetate	Ave	0.3223	0.3427		21.3	20.0	6.3	20.0
2-Chloroethyl vinyl ether	Ave	0.1445	0.1503		20.8	20.0	4.0	20.0
cis-1,3-Dichloropropene	Ave	0.5125	0.5826	0.2000	22.7	20.0	13.7	50.0
Toluene	Ave	1.508	1.661	0.4000	22.0	20.0	10.1	20.0
Epichlorohydrin	Ave	0.1972	0.2196		445	400	11.3	20.0
2-Nitropropane	Ave	0.0516	0.0499		38.7	40.0	-3.3	20.0
Tetrachloroethene	Ave	0.3251	0.3385	0.2000	20.8	20.0	4.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.225	2.351	0.0500	106	100	5.7	50.0
trans-1,3-Dichloropropene	Ave	0.4684	0.5208	0.1000	22.2	20.0	11.2	50.0
1,1,2-Trichloroethane	Ave	0.2487	0.2721	0.1000	21.9	20.0	9.4	20.0
Ethyl methacrylate	Ave	0.2936	0.3010		20.5	20.0	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639562/2 Calibration Date: 09/16/2019 07:28

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65891.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodibromomethane	Ave	0.2947	0.3003	0.1000	20.4	20.0	1.9	50.0
1,3-Dichloropropane	Ave	0.5104	0.5720		22.4	20.0	12.1	20.0
Ethylene Dibromide	Ave	0.2773	0.2890	0.1000	20.8	20.0	4.2	20.0
n-Butyl acetate	Qua2		0.4452		21.3	20.0	6.6	20.0
2-Hexanone	Ave	1.520	1.669	0.0500	110	100	9.8	50.0
Chlorobenzene	Ave	0.9171	0.9753	0.5000	21.3	20.0	6.4	20.0
Ethylbenzene	Ave	0.4754	0.5292	0.1000	22.3	20.0	11.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2897	0.3159		21.8	20.0	9.0	20.0
m-Xylene & p-Xylene	Ave	0.5940	0.6197	0.1000	20.9	20.0	4.3	20.0
o-Xylene	Ave	0.5605	0.5931	0.3000	21.2	20.0	5.8	20.0
Bromoform	Ave	0.1701	0.1839	0.1000	21.6	20.0	8.1	20.0
Styrene	Lin2		1.007	0.3000	21.2	20.0	6.1	20.0
n-Butyl acrylate	Qua2		0.2077		20.8	20.0	3.8	20.0
Isopropylbenzene	Ave	1.332	1.507	0.1000	22.6	20.0	13.2	20.0
Amyl acetate (mixed isomers)	Qua2		1.009		21.5	20.0	7.4	20.0
Bromobenzene	Ave	0.7005	0.7707		22.0	20.0	10.0	20.0
N-Propylbenzene	Ave	2.890	3.289		22.8	20.0	13.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6538	0.7293	0.3000	22.3	20.0	11.5	20.0
2-Chlorotoluene	Ave	2.202	2.522		22.9	20.0	14.6	20.0
4-Ethyltoluene	Ave	2.406	2.799		23.3	20.0	16.3	20.0
1,2,3-Trichloropropane	Ave	0.1927	0.2121		22.0	20.0	10.0	20.0
1,3,5-Trimethylbenzene	Ave	2.045	2.294		22.4	20.0	12.2	20.0
trans-1,4-Dichloro-2-butene	Qua2		0.2035		25.7	20.0	28.6*	20.0
4-Chlorotoluene	Ave	2.083	2.399		23.0	20.0	15.2	20.0
tert-Butylbenzene	Ave	1.519	1.654		21.8	20.0	8.9	20.0
1,2,4-Trimethylbenzene	Ave	2.059	2.403		23.3	20.0	16.7	20.0
Butyl Methacrylate	QuaF		0.7226		16.2	20.0	-19.0	20.0
sec-Butylbenzene	Ave	2.120	2.398		22.6	20.0	13.1	20.0
1,3-Dichlorobenzene	Ave	1.228	1.421	0.6000	23.1	20.0	15.7	20.0
4-Isopropyltoluene	Ave	1.761	1.953		22.2	20.0	10.9	20.0
1,4-Dichlorobenzene	Ave	1.328	1.491	0.5000	22.5	20.0	12.3	20.0
1,2,3-Trimethylbenzene	Ave	2.222	2.579		23.2	20.0	16.0	20.0
Indan	Ave	2.218	2.560		23.1	20.0	15.4	20.0
Benzyl chloride	QuaF		0.1766		17.8	20.0	-10.9	50.0
p-Diethylbenzene	Ave	0.9155	1.074		23.5	20.0	17.3	20.0
n-Butylbenzene	Ave	1.557	1.826		23.5	20.0	17.3	20.0
1,2-Dichlorobenzene	Ave	1.231	1.444	0.4000	23.5	20.0	17.4	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.581	1.822		23.0	20.0	15.2	20.0
1,2-Dibromo-3-Chloropropane	Qua2		0.1136	0.0500	23.1	20.0	15.6	50.0
1,3,5-Trichlorobenzene	Ave	0.7271	0.8552		23.5	20.0	17.6	20.0
1,2,4-Trichlorobenzene	Ave	0.6609	0.7615	0.2000	23.0	20.0	15.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639562/2 Calibration Date: 09/16/2019 07:28

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65891.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.2632	0.2949		22.4	20.0	12.0	20.0
Naphthalene	Ave	1.499	1.551		20.7	20.0	3.4	50.0
1,2,3-Trichlorobenzene	Ave	0.6215	0.6997		22.5	20.0	12.6	20.0
Monochloropentafluoroethane	Ave	0.0055	0.0015		0.550	20.0	-73.5*	20.0
Dibromofluoromethane (Surr)	Ave	0.2262	0.2228		49.3	50.0	-1.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2939	0.2995		51.0	50.0	1.9	20.0
Toluene-d8 (Surr)	Ave	1.331	1.249		46.9	50.0	-6.1	20.0
4-Bromofluorobenzene	Ave	0.4099	0.3928		47.9	50.0	-4.2	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65891.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Sep-2019 07:28:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0097638-002
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 20:36:53 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0340

First Level Reviewer: desais Date: 16-Sep-2019 06:53:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	85	5807	20.0	9.08	
3 Dichlorodifluoromethane	85	0.799	0.799	0.000	99	45087	20.0	11.8	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	95	29449	20.0	16.8	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	96	11175	20.0	15.3	a
6 Chloromethane	50	0.914	0.914	0.000	99	84689	20.0	22.2	
8 Butadiene	54	0.936	0.936	0.000	99	71081	20.0	17.1	
7 Vinyl chloride	62	0.943	0.943	0.000	98	90889	20.0	21.1	
9 Bromomethane	94	1.093	1.093	0.000	98	26584	20.0	19.2	
10 Chloroethane	64	1.143	1.143	0.000	99	55478	20.0	25.5	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	96	79599	20.0	18.4	
11 Pentane	72	1.208	1.208	0.000	96	13631	40.0	28.7	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	145148	20.0	24.2	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	97	76514	20.0	18.5	
15 Ethyl ether	59	1.365	1.365	0.000	94	60552	20.0	22.3	
16 Ethanol	46	1.444	1.444	0.000	100	15740	800.0	905.2	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	83	81448	20.0	17.9	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	46953	20.0	19.1	
19 Carbon disulfide	76	1.480	1.480	0.000	100	180358	20.0	19.2	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	94	38818	20.0	15.8	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	94	75169	20.0	17.6	
22 Iodomethane	142	1.537	1.537	0.000	100	30341	20.0	8.62	
23 Cyclopentene	67	1.616	1.616	0.000	97	124773	20.0	16.4	
24 Acrolein	56	1.637	1.637	0.000	97	17175	40.0	69.7	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	35591	20.0	20.3	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	38531	200.0	201.0	
27 Methylene Chloride	84	1.774	1.774	0.000	98	67958	20.0	19.7	
28 Acetone	43	1.802	1.802	0.000	85	89036	100.0	93.5	
29 trans-1,2-Dichloroethene	96	1.860	1.860	0.000	99	60458	20.0	20.9	
30 Methyl acetate	43	1.874	1.874	0.000	99	91718	40.0	38.4	
31 Hexane	86	1.910	1.910	0.000	84	6796	20.0	13.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Acetonitrile	41	1.924	1.924	0.000	74	73033	200.0	192.0	
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	184196	20.0	20.8	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	238852	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	98	53605	200.0	201.2	
36 Isopropyl ether	45	2.160	2.160	0.000	96	243704	20.0	19.4	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	95	52524	20.0	19.8	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	125402	20.0	20.3	
39 Acrylonitrile	53	2.261	2.261	0.000	93	265063	200.0	215.2	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	253278	20.0	22.4	
41 Vinyl acetate	43	2.390	2.390	0.000	100	373072	40.0	55.9	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	93	76818	20.0	21.9	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	95	100993	20.0	21.8	
44 Cyclohexane	56	2.705	2.705	0.000	95	84142	20.0	16.9	
45 Chlorobromomethane	128	2.705	2.705	0.000	98	36870	20.0	21.8	
46 Chloroform	83	2.769	2.769	0.000	98	136758	20.0	23.0	
47 Carbon tetrachloride	117	2.855	2.855	0.000	97	75985	20.0	19.2	
48 Ethyl acetate	70	2.870	2.870	0.000	97	16528	40.0	41.6	
49 Methyl acrylate	55	2.870	2.870	0.000	99	60877	20.0	21.4	
50 Tetrahydrofuran	42	2.877	2.877	0.000	94	57013	40.0	42.4	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	153829	50.0	49.3	
52 1,1,1-Trichloroethane	97	2.905	2.905	0.000	98	100991	20.0	20.9	
* 53 2-Butanone-d5	46	2.955	2.955	0.000	0	372984	250.0	250.0	
54 2-Butanone (MEK)	72	2.998	2.998	0.000	98	42420	100.0	99.0	
55 1,1-Dichloropropene	75	2.998	2.998	0.000	80	99517	20.0	20.2	
56 Isooctane	57	3.084	3.084	0.000	98	92170	20.0	16.2	
57 n-Heptane	57	3.178	3.178	0.000	91	25632	20.0	17.2	
58 Benzene	78	3.185	3.185	0.000	97	321613	20.0	22.5	
59 Propionitrile	54	3.206	3.206	0.000	98	105786	200.0	244.8	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	305780	200.0	243.8	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	206765	50.0	51.0	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	201466	20.0	21.4	
63 1,2-Dichloroethane	62	3.342	3.342	0.000	97	104353	20.0	21.3	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	57677	500.0	519.9	
65 t-Amyl alcohol	59	3.493	3.493	0.000	92	37436	200.0	218.3	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	690328	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	142738	20.0	21.8	
68 Methylcyclohexane	83	3.650	3.650	0.000	94	60494	20.0	16.7	
69 Trichloroethene	130	3.672	3.672	0.000	97	72905	20.0	21.8	
70 2-ethoxy-2-methyl butane	59	3.915	3.915	0.000	91	175027	20.0	20.2	
71 Dibromomethane	93	4.044	4.044	0.000	97	43912	20.0	22.2	
72 n-Butanol	56	4.059	4.059	0.000	92	35045	500.0	574.7	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	89	82931	20.0	22.4	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	97394	20.0	22.3	
74 Ethyl acrylate	55	4.216	4.216	0.000	79	82630	20.0	21.5	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	28261	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	94	33739	40.0	42.7	
78 1,4-Dioxane	88	4.424	4.424	0.000	96	14726	400.0	431.5	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	94640	20.0	21.3	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	97	41596	20.0	20.8	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	118065	20.0	22.7	
$ 82 Toluene-d8 (Surr)	98	5.047	5.047	0.000	99	632921	50.0	46.9	
83 Toluene	91	5.104	5.104	0.000	93	336649	20.0	22.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Epichlorohydrin	57	5.133	5.133	0.000	99	131022	400.0	445.2	
85 2-Nitropropane	41	5.355	5.355	0.000	98	27568	40.0	38.7	
86 Tetrachloroethene	166	5.534	5.534	0.000	98	68603	20.0	20.8	
87 4-Methyl-2-pentanone (MIBK	43	5.570	5.570	0.000	98	350797	100.0	105.7	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	98	105538	20.0	22.2	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	55154	20.0	21.9	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	83114	20.0	20.5	
91 Chlorodibromomethane	129	5.971	5.971	0.000	98	60850	20.0	20.4	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	115916	20.0	22.4	
93 Ethylene Dibromide	107	6.222	6.222	0.000	99	58570	20.0	20.8	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	90223	20.0	21.3	
95 2-Hexanone	43	6.630	6.630	0.000	98	249021	100.0	109.8	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	89	506662	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	91	197666	20.0	21.3	
98 Ethylbenzene	106	7.017	7.017	0.000	99	107254	20.0	22.3	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	92	64022	20.0	21.8	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	125589	20.0	20.9	
101 o-Xylene	106	7.819	7.819	0.000	93	120191	20.0	21.2	
102 Bromoform	173	7.884	7.884	0.000	95	37263	20.0	21.6	
103 Styrene	104	7.905	7.905	0.000	94	204008	20.0	21.2	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	42089	20.0	20.8	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	305388	20.0	22.6	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	110417	20.0	21.5	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	199018	50.0	47.9	
108 Bromobenzene	156	8.779	8.779	0.000	96	84307	20.0	22.0	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	359801	20.0	22.8	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	79778	20.0	22.3	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	275949	20.0	22.9	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	306234	20.0	23.3	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	97	23199	20.0	22.0	
114 1,3,5-Trimethylbenzene	105	9.280	9.280	0.000	92	250986	20.0	22.4	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	82	22257	20.0	25.7	
116 4-Chlorotoluene	91	9.374	9.374	0.000	99	262469	20.0	23.0	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	180889	20.0	21.8	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	262844	20.0	23.3	
119 Butyl Methacrylate	87	9.889	9.889	0.000	97	79047	20.0	16.2	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	262315	20.0	22.6	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	155482	20.0	23.1	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	213605	20.0	22.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	273492	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	163090	20.0	22.5	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	282111	20.0	23.2	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	280021	20.0	23.1	
127 Benzyl chloride	126	10.914	10.914	0.000	96	19322	20.0	17.8	
128 p-Diethylbenzene	119	10.935	10.935	0.000	92	117490	20.0	23.5	
129 n-Butylbenzene	91	11.014	11.014	0.000	98	199775	20.0	23.5	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	95	158011	20.0	23.5	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	199306	20.0	23.0	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	94	12422	20.0	23.1	
133 1,3,5-Trichlorobenzene	180	12.267	12.267	0.000	97	93555	20.0	23.5	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	83303	20.0	23.0	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	32264	20.0	22.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 Naphthalene	128	13.242	13.242	0.000	99	169633	20.0	20.7	
137 1,2,3-Trichlorobenzene	180	13.414	13.414	0.000	96	76544	20.0	22.5	
S 138 1,2-Dichloroethene, Total	100				0		40.0	42.8	
S 139 1,3-Dichloropropene, Total	100				0		40.0	45.0	
S 140 Xylenes, Total	100				0		40.0	42.0	
S 142 Total BTEX	1				0		100.0	108.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

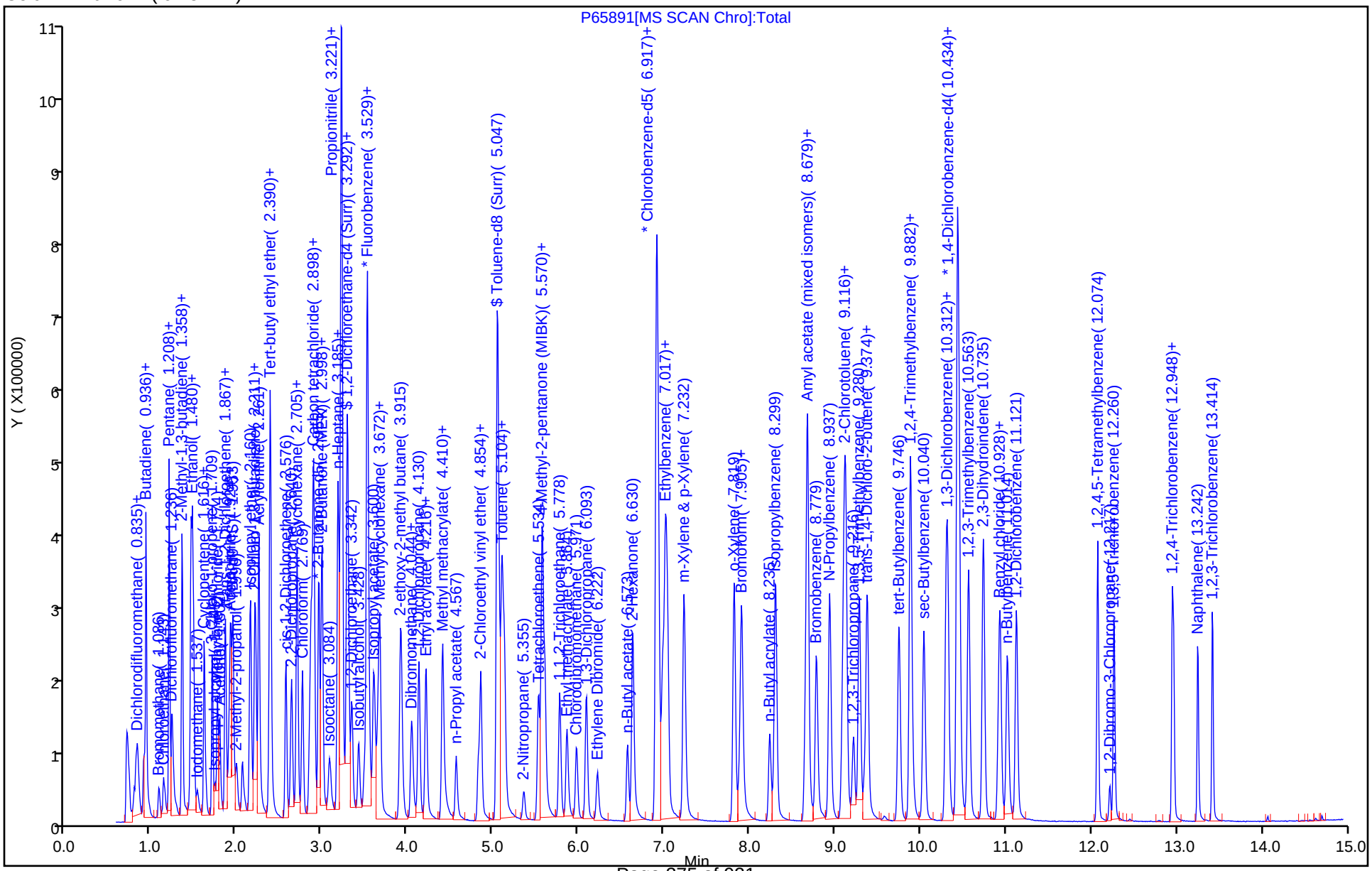
Report Date: 17-Sep-2019 20:36:55 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65891.D

Injection Date:	16-Sep-2019 07:28:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

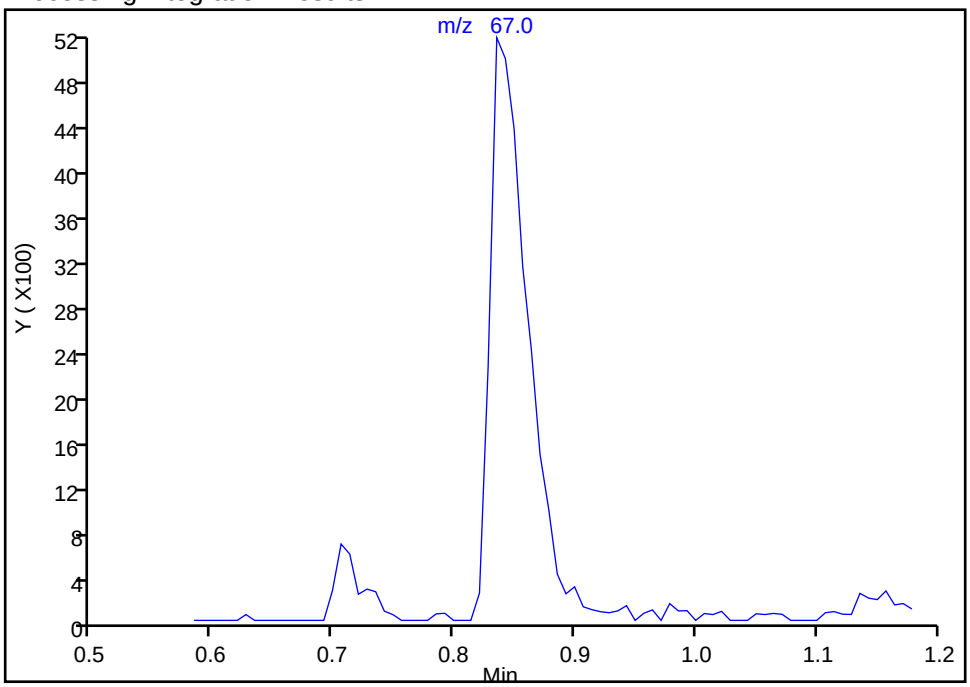
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65891.D
Injection Date: 16-Sep-2019 07:28:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

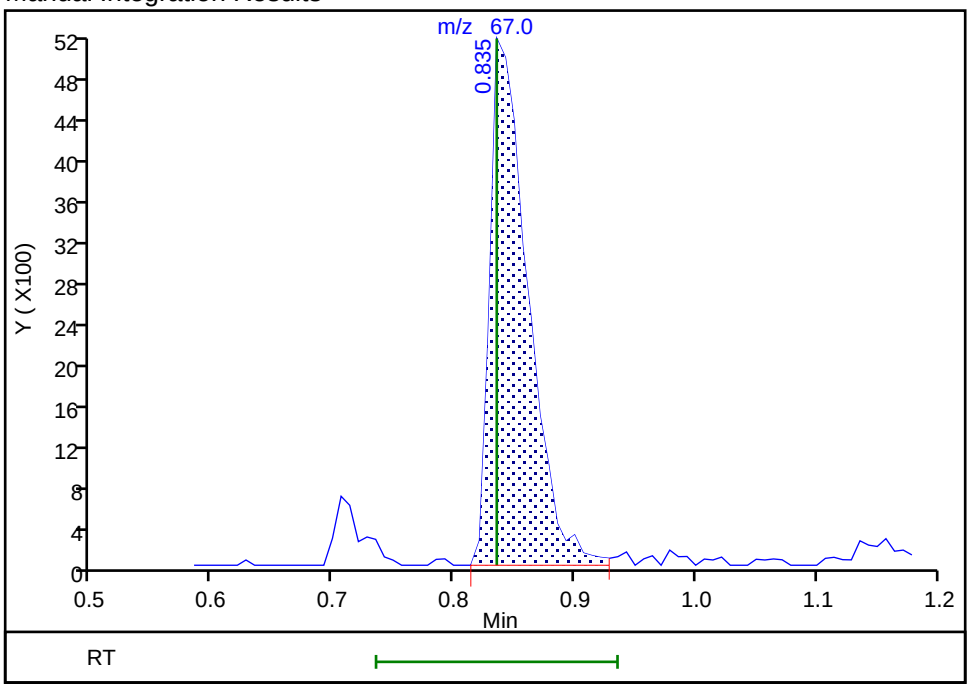
Not Detected
Expected RT: 0.84

Processing Integration Results



Manual Integration Results

RT: 0.84
Area: 11175
Amount: 15.293207
Amount Units: ug/l



Reviewer: desais, 16-Sep-2019 06:49:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

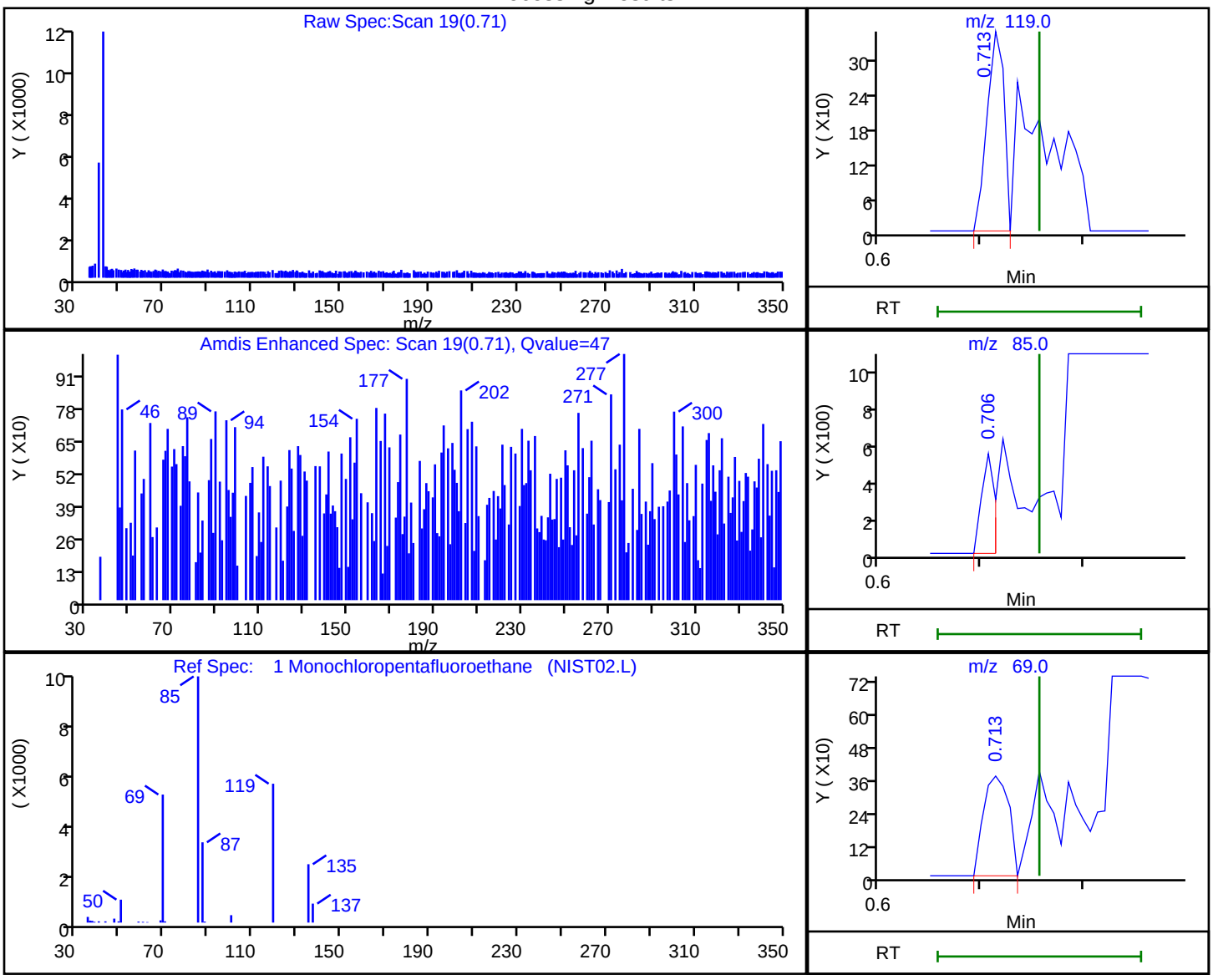
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65891.D
Injection Date: 16-Sep-2019 07:28:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Processing Results



RT	Mass	Response	Amount
0.71	119.00	400	5.290541
0.71	85.00	476	
0.71	69.00	635	
0.72	135.00	534	

Reviewer: baronm, 17-Sep-2019 20:36:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0055	0.0034		12.5	20.0	-37.5*	20.0
Chlorotrifluoroethene	Ave	0.0463	0.0323		13.9	20.0	-30.4*	20.0
Dichlorodifluoromethane	Ave	0.2776	0.2098	0.1000	15.1	20.0	-24.4*	20.0
1,1-Difluoroethane	Ave	0.1273	0.1103		17.3	20.0	-13.3	20.0
Chlorodifluoromethane	Ave	0.0529	0.0411		15.5	20.0	-22.4*	20.0
Chloromethane	Ave	0.2762	0.2946	0.1000	21.3	20.0	6.7	20.0
Butadiene	Ave	0.3016	0.3357		22.3	20.0	11.3	20.0
Vinyl chloride	Ave	0.3121	0.3637	0.1000	23.3	20.0	16.5	20.0
Bromomethane	Ave	0.9290	0.8782	0.1000	18.9	20.0	-5.5	50.0
Chloroethane	QuaF		0.1853	0.1000	23.4	20.0	17.1	50.0
Pentane	Qua2		1.153		23.0	40.0	-42.5*	20.0
Trichlorofluoromethane	Ave	0.3129	0.3373	0.1000	21.6	20.0	7.8	20.0
Dichlorofluoromethane	Ave	0.4343	0.5191		23.9	20.0	19.5	20.0
2-Methyl-1,3-butadiene	Ave	0.2998	0.2982		19.9	20.0	-0.5	20.0
Ethyl ether	Ave	0.1966	0.2389		24.3	20.0	21.5*	20.0
Ethanol	Ave	0.0728	0.0817		897	800	12.2	50.0
1,1-Dichloroethene	Ave	0.1784	0.1860	0.1000	20.9	20.0	4.3	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3300	0.3720		22.5	20.0	12.7	20.0
Carbon disulfide	Ave	0.6788	0.6920	0.1000	20.4	20.0	1.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1775	0.1611	0.1000	18.1	20.0	-9.3	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3099	0.3471		22.4	20.0	12.0	20.0
Iodomethane	QuaF		0.1529		12.0	20.0	-40.0*	20.0
Cyclopentene	Ave	0.5511	0.5409		19.6	20.0	-1.8	20.0
Acrolein	Ave	1.032	1.092		42.3	40.0	5.8	50.0
Allyl chloride	Ave	0.1272	0.1452		22.8	20.0	14.1	20.0
Isopropyl alcohol	Ave	0.8028	0.8454		211	200	5.3	50.0
Methylene Chloride	Ave	0.2502	0.2741	0.1000	21.9	20.0	9.5	20.0
Acetone	Ave	0.6382	0.7900	0.0500	124	100	23.8	50.0
trans-1,2-Dichloroethene	Ave	0.2092	0.2416	0.1000	23.1	20.0	15.5	20.0
Methyl acetate	Ave	10.01	9.760	0.1000	39.0	40.0	-2.5	20.0
Hexane	Ave	0.0372	0.0310		16.6	20.0	-16.9	20.0
Methyl tert-butyl ether	Ave	0.6422	0.7652	0.1000	23.8	20.0	19.1	20.0
2-Methyl-2-propanol	Ave	1.116	1.138		204	200	2.0	50.0
Acetonitrile	Ave	1.593	1.867		235	200	17.3	20.0
Isopropyl ether	Ave	0.9088	1.133		24.9	20.0	24.6*	20.0
2-Chloro-1,3-butadiene	Ave	0.1921	0.2135		22.2	20.0	11.1	20.0
1,1-Dichloroethane	Ave	0.4473	0.5241	0.2000	23.4	20.0	17.2	20.0
Acrylonitrile	Ave	0.0892	0.1116		250	200	25.1*	20.0
Tert-butyl ethyl ether	Ave	0.8195	0.9382		22.9	20.0	14.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Vinyl acetate	Ave	0.4837	0.6674		55.2	40.0	38.0*	20.0
cis-1,2-Dichloroethene	Ave	0.2545	0.2676	0.1000	21.0	20.0	5.1	20.0
2,2-Dichloropropane	Ave	0.3357	0.3492		20.8	20.0	4.0	20.0
Chlorobromomethane	Ave	0.1223	0.1300		21.3	20.0	6.3	20.0
Cyclohexane	Ave	0.3609	0.3214	0.1000	17.8	20.0	-11.0	50.0
Chloroform	Ave	0.4306	0.4743	0.2000	22.0	20.0	10.2	20.0
Carbon tetrachloride	Ave	0.2863	0.2722	0.1000	19.0	20.0	-4.9	20.0
Ethyl acetate	Ave	0.2663	0.2880		43.2	40.0	8.1	20.0
Methyl acrylate	Ave	0.2057	0.2226		21.6	20.0	8.2	20.0
Tetrahydrofuran	Ave	0.9014	1.002		44.5	40.0	11.2	20.0
1,1,1-Trichloroethane	Ave	0.3506	0.3483	0.1000	19.9	20.0	-0.6	20.0
2-Butanone (MEK)	Ave	0.2871	0.2950	0.0500	103	100	2.8	50.0
1,1-Dichloropropene	Ave	0.3565	0.3499		19.6	20.0	-1.8	20.0
2,2,4-Trimethylpentane	Ave	0.4128	0.3575		17.3	20.0	-13.4	20.0
n-Heptane	Ave	0.1079	0.0905		16.8	20.0	-16.1	20.0
Benzene	Ave	1.408	1.484	0.5000	21.1	20.0	5.4	20.0
Propionitrile	Ave	1.810	1.807		200	200	-0.2	20.0
Methacrylonitrile	Ave	0.0908	0.1066		235	200	17.4	20.0
Tert-amyl methyl ether	Ave	0.6829	0.7073		20.7	20.0	3.6	20.0
1,2-Dichloroethane	Ave	0.3553	0.3620	0.1000	20.4	20.0	1.9	20.0
Isobutyl alcohol	Ave	0.4645	0.4131		445	500	-11.1	50.0
Isopropyl acetate	Ave	0.4735	0.5064		21.4	20.0	7.0	20.0
Methylcyclohexane	Ave	0.2629	0.2250	0.1000	17.1	20.0	-14.4	50.0
Trichloroethene	Ave	0.2419	0.2486	0.2000	20.6	20.0	2.8	20.0
Dibromomethane	Ave	0.1431	0.1496		20.9	20.0	4.5	20.0
n-Butanol	Qua2		0.2381		470	500	-6.1	50.0
1,2-Dichloropropane	Ave	0.2682	0.2923	0.1000	21.8	20.0	9.0	20.0
Ethyl acrylate	Qua2		0.3138		22.5	20.0	12.6	20.0
Dichlorobromomethane	Ave	0.3157	0.3319	0.2000	21.0	20.0	5.1	20.0
Methyl methacrylate	Ave	0.0573	0.0613		42.8	40.0	7.0	20.0
1,4-Dioxane	Ave	1.208	1.335		442	400	10.5	50.0
n-Propyl acetate	Ave	0.3223	0.3531		21.9	20.0	9.6	20.0
2-Chloroethyl vinyl ether	Ave	0.1445	0.1434		19.9	20.0	-0.8	20.0
cis-1,3-Dichloropropene	Ave	0.5125	0.5505	0.2000	21.5	20.0	7.4	50.0
Toluene	Ave	1.508	1.579	0.4000	20.9	20.0	4.7	20.0
Epichlorohydrin	Ave	0.1972	0.2204		447	400	11.8	20.0
2-Nitropropane	Ave	0.0516	0.0489		37.9	40.0	-5.3	20.0
Tetrachloroethene	Ave	0.3251	0.3237	0.2000	19.9	20.0	-0.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.225	2.518	0.0500	113	100	13.1	50.0
trans-1,3-Dichloropropene	Ave	0.4684	0.5026	0.1000	21.5	20.0	7.3	50.0
1,1,2-Trichloroethane	Ave	0.2487	0.2617	0.1000	21.1	20.0	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl methacrylate	Ave	0.2936	0.3081		21.0	20.0	4.9	20.0
Chlorodibromomethane	Ave	0.2947	0.2967	0.1000	20.1	20.0	0.7	50.0
1,3-Dichloropropane	Ave	0.5104	0.5493		21.5	20.0	7.6	20.0
Ethylene Dibromide	Ave	0.2773	0.2843	0.1000	20.5	20.0	2.5	20.0
n-Butyl acetate	Qua2		0.4522		21.6	20.0	8.2	20.0
2-Hexanone	Ave	1.520	1.757	0.0500	116	100	15.6	50.0
Chlorobenzene	Ave	0.9171	0.9543	0.5000	20.8	20.0	4.1	20.0
Ethylbenzene	Ave	0.4754	0.4949	0.1000	20.8	20.0	4.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2897	0.3061		21.1	20.0	5.7	20.0
m-Xylene & p-Xylene	Ave	0.5940	0.6155	0.1000	20.7	20.0	3.6	20.0
o-Xylene	Ave	0.5605	0.5840	0.3000	20.8	20.0	4.2	20.0
Bromoform	Ave	0.1701	0.1804	0.1000	21.2	20.0	6.0	20.0
Styrene	Lin2		0.998	0.3000	21.0	20.0	5.2	20.0
n-Butyl acrylate	Qua2		0.2157		21.5	20.0	7.6	20.0
Isopropylbenzene	Ave	1.332	1.455	0.1000	21.9	20.0	9.3	20.0
Amyl acetate (mixed isomers)	Qua2		1.055		22.4	20.0	12.0	20.0
Bromobenzene	Ave	0.7005	0.7701		22.0	20.0	9.9	20.0
N-Propylbenzene	Ave	2.890	3.191		22.1	20.0	10.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6538	0.7029	0.3000	21.5	20.0	7.5	20.0
2-Chlorotoluene	Ave	2.202	2.456		22.3	20.0	11.6	20.0
4-Ethyltoluene	Ave	2.406	2.726		22.7	20.0	13.3	20.0
1,2,3-Trichloropropane	Ave	0.1927	0.2084		21.6	20.0	8.1	20.0
1,3,5-Trimethylbenzene	Ave	2.045	2.268		22.2	20.0	10.9	20.0
trans-1,4-Dichloro-2-butene	Qua2		0.1879		23.8	20.0	19.2	20.0
4-Chlorotoluene	Ave	2.083	2.299		22.1	20.0	10.4	20.0
tert-Butylbenzene	Ave	1.519	1.670		22.0	20.0	9.9	20.0
1,2,4-Trimethylbenzene	Ave	2.059	2.338		22.7	20.0	13.5	20.0
Butyl Methacrylate	QuaF		0.7434		16.7	20.0	-16.7	20.0
sec-Butylbenzene	Ave	2.120	2.377		22.4	20.0	12.1	20.0
1,3-Dichlorobenzene	Ave	1.228	1.377	0.6000	22.4	20.0	12.1	20.0
4-Isopropyltoluene	Ave	1.761	1.963		22.3	20.0	11.4	20.0
1,4-Dichlorobenzene	Ave	1.328	1.486	0.5000	22.4	20.0	11.9	20.0
1,2,3-Trimethylbenzene	Ave	2.222	2.484		22.4	20.0	11.8	20.0
Indan	Ave	2.218	2.539		22.9	20.0	14.5	20.0
Benzyl chloride	QuaF		0.1654		16.7	20.0	-16.5	50.0
p-Diethylbenzene	Ave	0.9155	1.025		22.4	20.0	12.0	20.0
n-Butylbenzene	Ave	1.557	1.762		22.6	20.0	13.2	20.0
1,2-Dichlorobenzene	Ave	1.231	1.415	0.4000	23.0	20.0	15.0	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.581	1.770		22.4	20.0	11.9	20.0
1,2-Dibromo-3-Chloropropane	Qua2		0.1173	0.0500	23.9	20.0	19.4	50.0
1,3,5-Trichlorobenzene	Ave	0.7271	0.8393		23.1	20.0	15.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.6609	0.7714	0.2000	23.3	20.0	16.7	20.0
Hexachlorobutadiene	Ave	0.2632	0.3026		23.0	20.0	15.0	20.0
Naphthalene	Ave	1.499	1.726		23.0	20.0	15.2	50.0
1,2,3-Trichlorobenzene	Ave	0.6215	0.7303		23.5	20.0	17.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2262	0.2199		48.6	50.0	-2.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2939	0.2872		48.9	50.0	-2.3	20.0
Toluene-d8 (Surr)	Ave	1.331	1.253		47.1	50.0	-5.9	20.0
4-Bromofluorobenzene	Ave	0.4099	0.3901		47.6	50.0	-4.8	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Sep-2019 08:32:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0097690-003
Operator ID: Instrument ID: CVOAMS13
Sublist: chrom-8260W_13*sub62

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 10:55:53 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: desais Date: 17-Sep-2019 10:41:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlorodifluoromethane	67	0.835	0.835	0.000	96	11063	20.0	15.5	a
1 Monochloropentafluoroethan	119	0.757	0.757	0.000	7	922	20.0	12.5	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	84	8683	20.0	13.9	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	56471	20.0	15.1	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	97	29699	20.0	17.3	
6 Chloromethane	50	0.914	0.914	0.000	99	79316	20.0	21.3	
8 Butadiene	54	0.936	0.936	0.000	98	90370	20.0	22.3	
7 Vinyl chloride	62	0.943	0.943	0.000	98	97902	20.0	23.3	
9 Bromomethane	94	1.086	1.086	0.000	99	24099	20.0	18.9	
10 Chloroethane	64	1.151	1.151	0.000	100	49888	20.0	23.4	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	97	90788	20.0	21.6	
11 Pentane	72	1.208	1.208	0.000	99	12819	40.0	23.0	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	139742	20.0	23.9	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	80262	20.0	19.9	
15 Ethyl ether	59	1.365	1.365	0.000	94	64302	20.0	24.3	
16 Ethanol	46	1.444	1.444	0.000	100	18166	800.0	897.4	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	76	100145	20.0	22.5	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	50073	20.0	20.9	
19 Carbon disulfide	76	1.480	1.480	0.000	100	186289	20.0	20.4	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	96	43364	20.0	18.1	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	93	93439	20.0	22.4	a
22 Iodomethane	142	1.537	1.537	0.000	99	41156	20.0	12.0	
23 Cyclopentene	67	1.616	1.616	0.000	97	145606	20.0	19.6	
24 Acrolein	56	1.638	1.638	0.000	94	12142	40.0	42.3	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	90	39083	20.0	22.8	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	47012	200.0	210.6	
27 Methylene Chloride	84	1.774	1.774	0.000	98	73782	20.0	21.9	
28 Acetone	43	1.802	1.802	0.000	86	108396	100.0	123.8	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	65033	20.0	23.1	
30 Methyl acetate	43	1.874	1.874	0.000	100	108554	40.0	39.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Hexane	86	1.910	1.910	0.000	85	8334	20.0	16.6	
35 Acetonitrile	41	2.067	2.067	0.000	99	103846	200.0	234.5	a
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	97	205988	20.0	23.8	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	278058	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	63302	200.0	204.1	
36 Isopropyl ether	45	2.161	2.161	0.000	97	304936	20.0	24.9	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	93	57477	20.0	22.2	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	141082	20.0	23.4	
39 Acrylonitrile	53	2.254	2.254	0.000	94	300456	200.0	250.3	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	87	252556	20.0	22.9	
41 Vinyl acetate	43	2.390	2.390	0.000	100	359311	40.0	55.2	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	72032	20.0	21.0	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	97	94014	20.0	20.8	
44 Cyclohexane	56	2.705	2.705	0.000	94	86514	20.0	17.8	
45 Chlorobromomethane	128	2.705	2.705	0.000	98	34987	20.0	21.3	
46 Chloroform	83	2.769	2.769	0.000	98	127687	20.0	22.0	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	73287	20.0	19.0	
48 Ethyl acetate	70	2.870	2.870	0.000	97	15804	40.0	43.2	
49 Methyl acrylate	55	2.870	2.870	0.000	97	59909	20.0	21.6	
50 Tetrahydrofuran	42	2.877	2.877	0.000	94	55007	40.0	44.5	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	147973	50.0	48.6	
52 1,1,1-Trichloroethane	97	2.906	2.906	0.000	98	93772	20.0	19.9	
* 53 2-Butanone-d5	46	2.956	2.956	0.000	0	343008	250.0	250.0	
54 2-Butanone (MEK)	72	2.991	2.991	0.000	100	40471	100.0	102.8	
55 1,1-Dichloropropene	75	2.999	2.999	0.000	94	94195	20.0	19.6	
56 Isooctane	57	3.085	3.085	0.000	98	96229	20.0	17.3	
57 n-Heptane	57	3.178	3.178	0.000	84	24371	20.0	16.8	
58 Benzene	78	3.185	3.185	0.000	97	296769	20.0	21.1	
59 Propionitrile	54	3.206	3.206	0.000	98	100471	200.0	199.7	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	286988	200.0	234.7	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	193255	50.0	48.9	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	190404	20.0	20.7	
63 1,2-Dichloroethane	62	3.342	3.342	0.000	96	97440	20.0	20.4	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	57427	500.0	444.6	
65 t-Amyl alcohol	59	3.493	3.493	0.000	93	35717	200.0	178.9	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	672993	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	136326	20.0	21.4	
68 Methylcyclohexane	83	3.658	3.658	0.000	95	60562	20.0	17.1	
69 Trichloroethene	130	3.672	3.672	0.000	98	66928	20.0	20.6	
70 2-ethoxy-2-methyl butane	59	3.923	3.923	0.000	92	166954	20.0	19.8	
71 Dibromomethane	93	4.044	4.044	0.000	96	40259	20.0	20.9	
72 n-Butanol	56	4.059	4.059	0.000	93	33104	500.0	469.5	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	90	78672	20.0	21.8	
74 Ethyl acrylate	55	4.209	4.209	0.000	79	84479	20.0	22.5	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	89340	20.0	21.0	
* 76 1,4-Dioxane-d8	96	4.403	4.403	0.000	0	27586	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	94	32994	40.0	42.8	
78 1,4-Dioxane	88	4.431	4.431	0.000	97	14729	400.0	442.2	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	95061	20.0	21.9	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	97	38681	20.0	19.9	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	110082	20.0	21.5	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	626177	50.0	47.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	5.105	5.105	0.000	93	315778	20.0	20.9	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	120973	400.0	447.0	
85 2-Nitropropane	41	5.355	5.355	0.000	98	26335	40.0	37.9	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	64715	20.0	19.9	
87 4-Methyl-2-pentanone (MIBK	43	5.570	5.570	0.000	98	345479	100.0	113.1	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	98	100493	20.0	21.5	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	52335	20.0	21.1	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	82939	20.0	21.0	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	59325	20.0	20.1	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	109824	20.0	21.5	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	56848	20.0	20.5	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	90417	20.0	21.6	
95 2-Hexanone	43	6.630	6.630	0.000	98	241054	100.0	115.6	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	89	499881	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	94	190819	20.0	20.8	
98 Ethylbenzene	106	7.017	7.017	0.000	99	98949	20.0	20.8	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	61208	20.0	21.1	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	123067	20.0	20.7	
101 o-Xylene	106	7.819	7.819	0.000	93	116768	20.0	20.8	
102 Bromoform	173	7.884	7.884	0.000	96	36061	20.0	21.2	
103 Styrene	104	7.905	7.905	0.000	94	199573	20.0	21.0	
104 n-Butyl acrylate	73	8.242	8.242	0.000	96	43126	20.0	21.5	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	290997	20.0	21.9	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	112051	20.0	22.4	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	195014	50.0	47.6	
108 Bromobenzene	156	8.779	8.779	0.000	97	81820	20.0	22.0	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	339082	20.0	22.1	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	97	74683	20.0	21.5	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	260970	20.0	22.3	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	289592	20.0	22.7	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	22142	20.0	21.6	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	92	240936	20.0	22.2	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	83	19968	20.0	23.8	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	244267	20.0	22.1	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	177382	20.0	22.0	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	248359	20.0	22.7	
119 Butyl Methacrylate	87	9.889	9.889	0.000	94	78986	20.0	16.7	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	252570	20.0	22.4	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	146284	20.0	22.4	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	208512	20.0	22.3	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	265621	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	157846	20.0	22.4	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	263940	20.0	22.4	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	269772	20.0	22.9	
127 Benzyl chloride	126	10.914	10.914	0.000	95	17574	20.0	16.7	
128 p-Diethylbenzene	119	10.935	10.935	0.000	91	108904	20.0	22.4	
129 n-Butylbenzene	91	11.021	11.021	0.000	99	187230	20.0	22.6	
130 1,2-Dichlorobenzene	146	11.122	11.122	0.000	96	150297	20.0	23.0	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	188045	20.0	22.4	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	93	12466	20.0	23.9	
133 1,3,5-Trichlorobenzene	180	12.268	12.268	0.000	97	89171	20.0	23.1	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	81956	20.0	23.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	32151	20.0	23.0	
136 Naphthalene	128	13.242	13.242	0.000	99	183429	20.0	23.0	
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	96	77594	20.0	23.5	
S 138 1,2-Dichloroethene, Total	100				0		40.0	44.1	
S 139 1,3-Dichloropropene, Total	100				0		40.0	42.9	
S 140 Xylenes, Total	100				0		40.0	41.6	
S 142 Total BTEX	1				0		100.0	104.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Sep-2019 10:55:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D

Injection Date: 17-Sep-2019 08:32:30 Instrument ID: CVOAMS13 Operator ID:

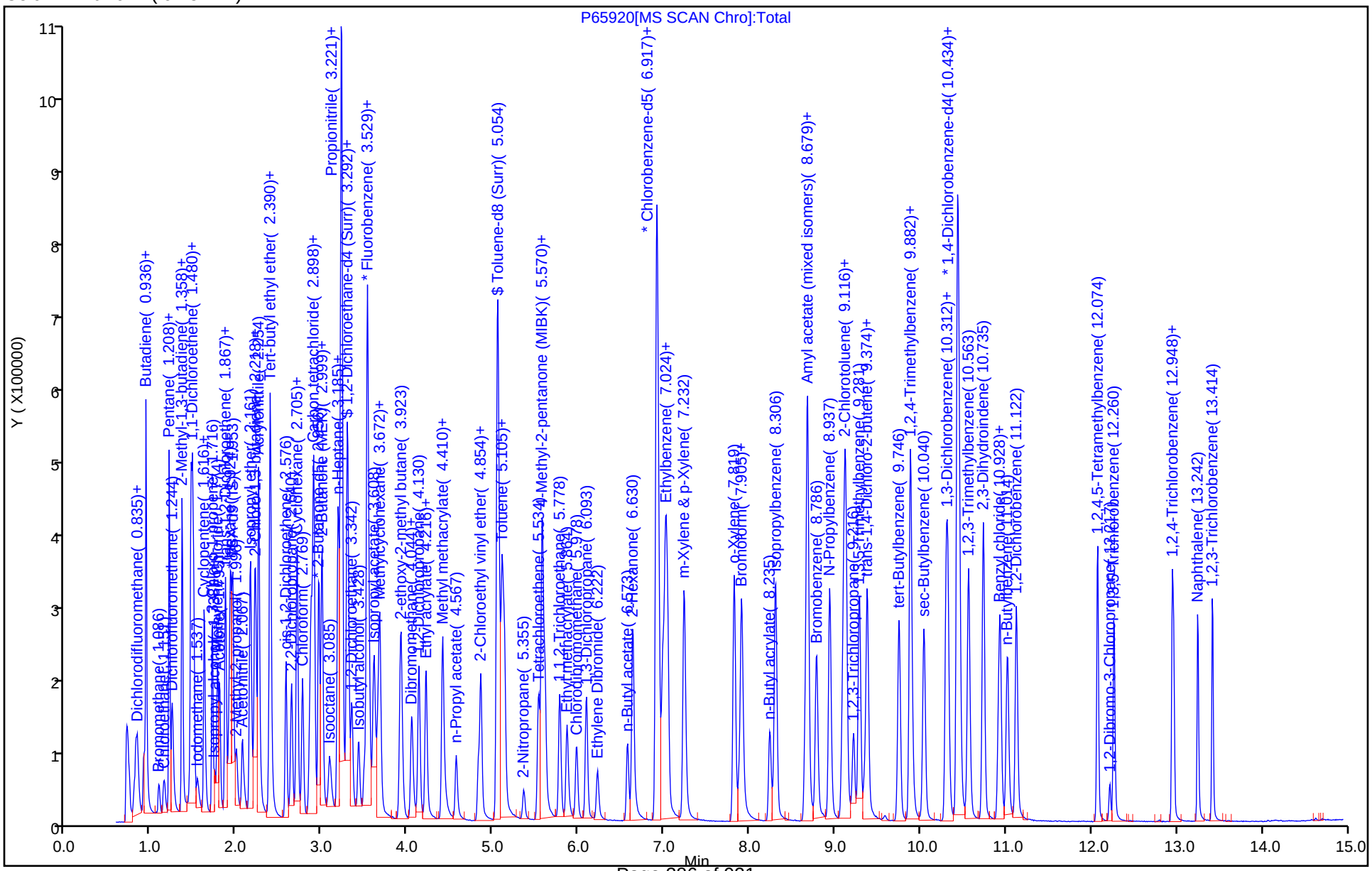
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

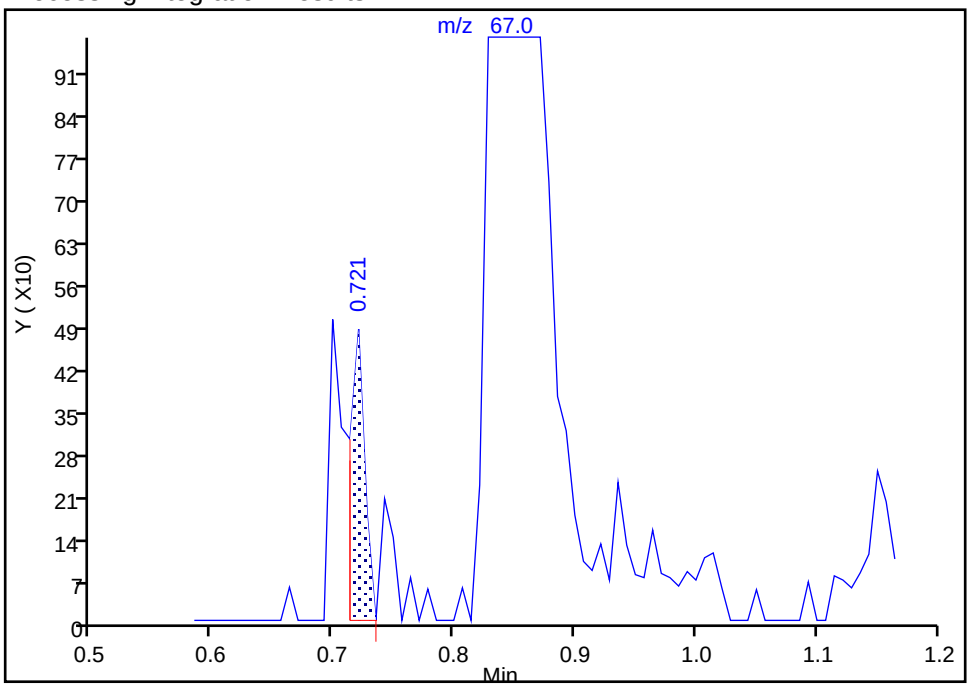
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D
Injection Date: 17-Sep-2019 08:32:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

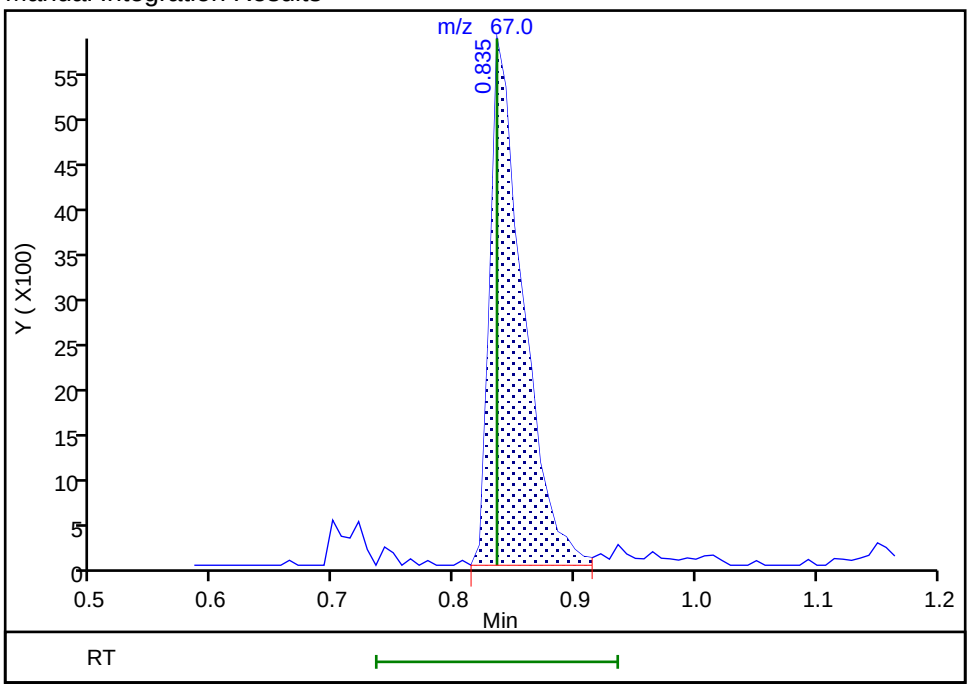
Processing Integration Results

RT: 0.72
Area: 412
Amount: 0.578353
Amount Units: ug/l



Manual Integration Results

RT: 0.84
Area: 11063
Amount: 15.529908
Amount Units: ug/l



Reviewer: xuyvo, 18-Sep-2019 10:55:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

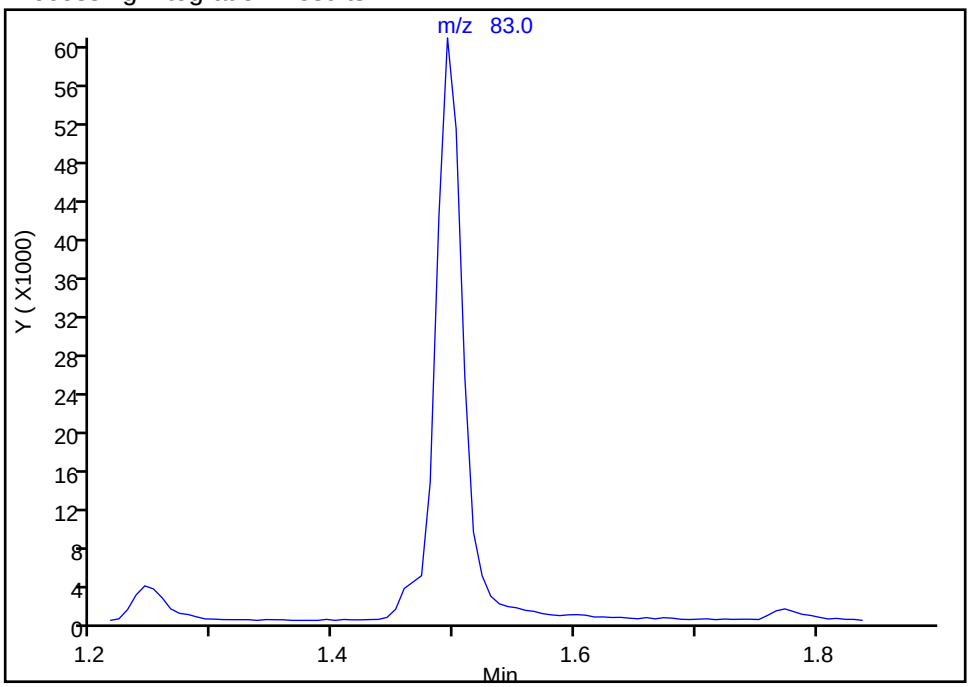
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D
Injection Date: 17-Sep-2019 08:32:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

21 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Signal: 1

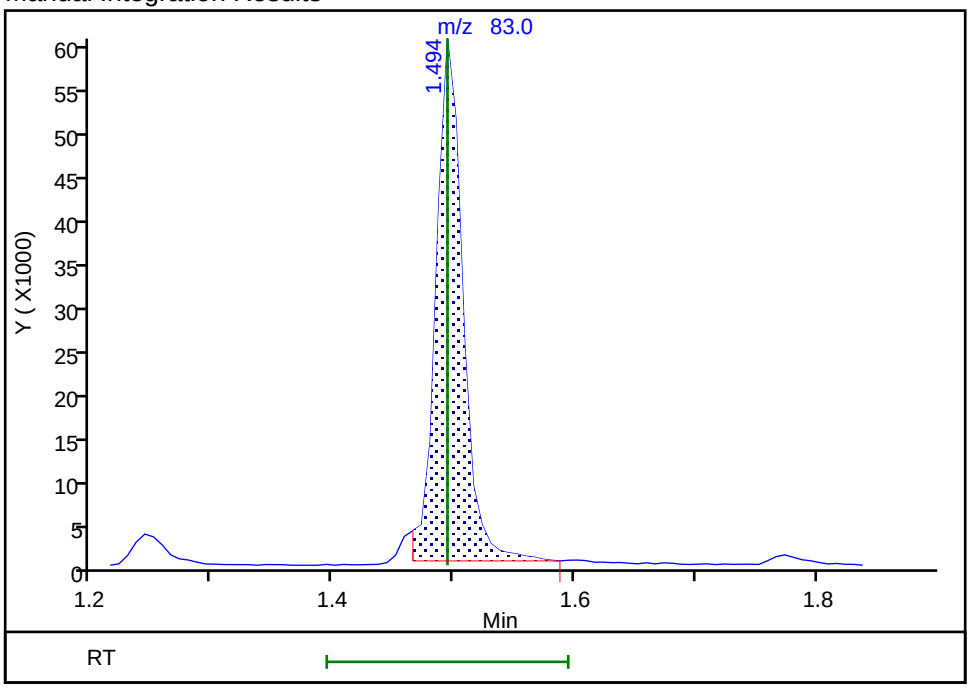
Not Detected
Expected RT: 1.49

Processing Integration Results



Manual Integration Results

RT: 1.49
Area: 93439
Amount: 22.404045
Amount Units: ug/l



Reviewer: desais, 17-Sep-2019 10:40:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

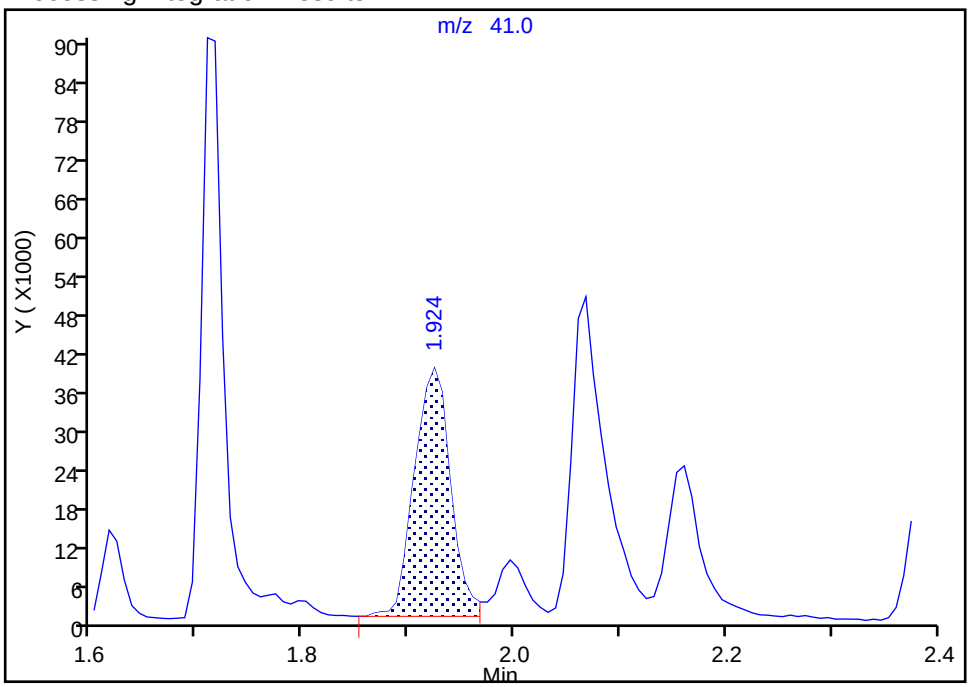
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65920.D
Injection Date: 17-Sep-2019 08:32:30 Instrument ID: CVOAMS13
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

35 Acetonitrile, CAS: 75-05-8

Signal: 1

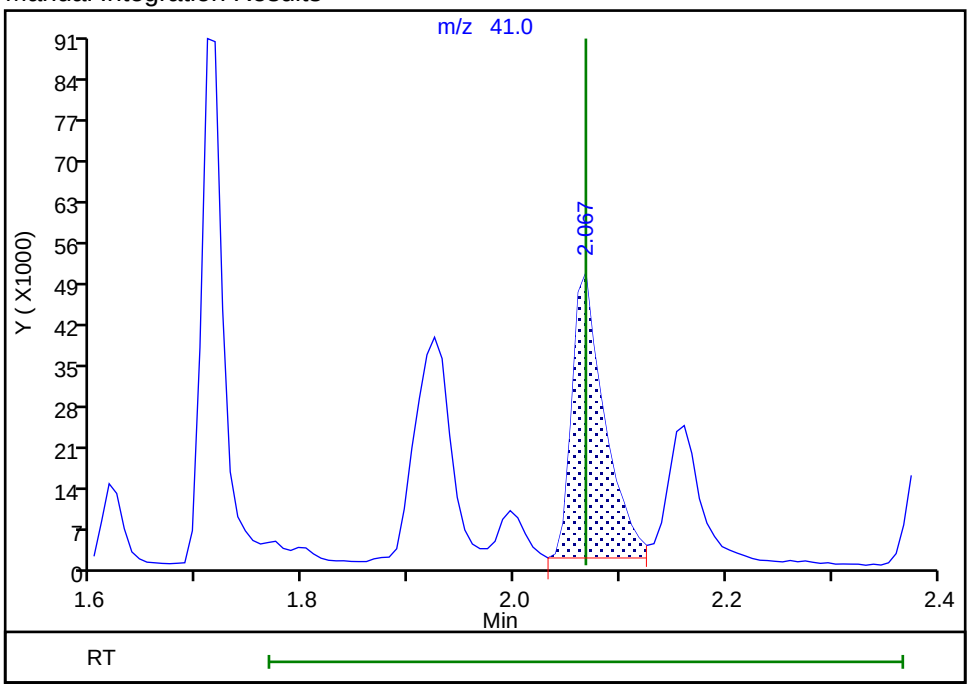
Processing Integration Results

RT: 1.92
Area: 91102
Amount: 205.7275
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 103846
Amount: 234.5061
Amount Units: ug/l



Reviewer: xuyvo, 18-Sep-2019 10:55:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65039.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	23-Aug-2019 07:52:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0096522-001				
Operator ID:		Instrument ID:	CVOAMS13		
Method:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\8260W_13.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	25-Aug-2019 10:36:10	Calib Date:	23-Aug-2019 13:15:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0330				
First Level Reviewer: desais		Date:	23-Aug-2019 07:28:46		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 BFB	95	2.081	2.081	0.000	84	34140	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

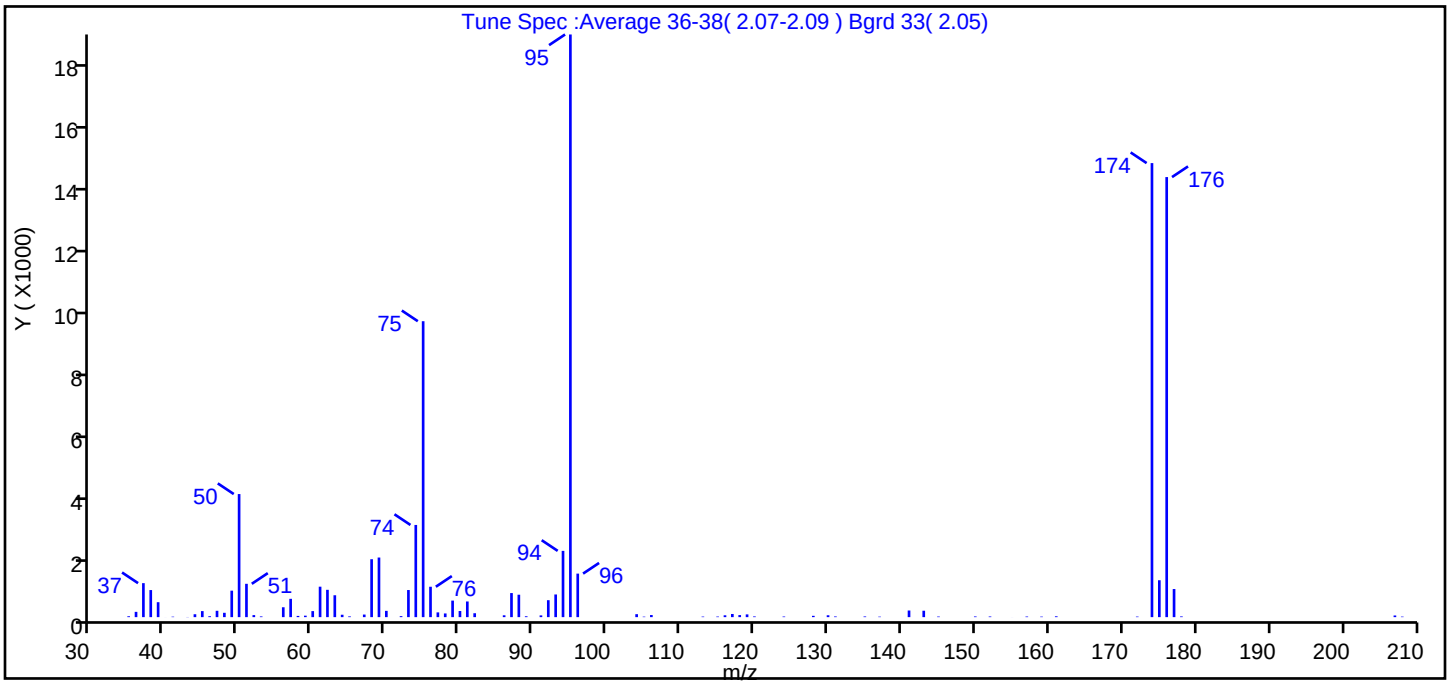
BFB_00021 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65039.D
Injection Date: 23-Aug-2019 07:52:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 143 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.1
75	30 to 60% of m/z 95	50.8
96	5 to 9% of m/z 95	7.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.9
175	5 to 9% of m/z 174	6.3 (8.1)
176	Greater than 95% but less than 101% of m/z 174	75.5 (96.9)
177	5 to 9% of m/z 176	4.8 (6.4)

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65039.D\8260W_13.rslt\spectra.d
Injection Date: 23-Aug-2019 07:52:30
Spectrum: Tune Spec :Average 36-38(2.07-2.09) Bgrd 33(2.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	28	60.00	193	87.00	770	131.00	22
36.00	169	61.00	974	88.00	717	135.00	22
37.00	1087	62.00	874	89.00	28	137.00	16
38.00	866	63.00	700	91.00	56	141.00	212
39.00	478	64.00	77	92.00	542	143.00	205
40.00	1	65.00	24	93.00	725	145.00	19
41.00	15	67.00	83	94.00	2119	150.00	22
43.00	5	68.00	1852	95.00	18632	152.00	21
44.00	93	69.00	1906	96.00	1392	155.00	1
45.00	193	70.00	201	104.00	95	157.00	20
46.00	29	72.00	32	105.00	16	159.00	17
47.00	203	73.00	867	106.00	67	161.00	27
48.00	139	74.00	2948	113.00	18	172.00	18
49.00	847	75.00	9463	115.00	19	174.00	14519
50.00	3936	76.00	972	116.00	59	175.00	1180
51.00	1066	77.00	152	117.00	101	176.00	14072
52.00	65	78.00	118	118.00	66	177.00	899
53.00	23	79.00	529	119.00	88	178.00	23
56.00	316	80.00	196	120.00	23	207.00	53
57.00	586	81.00	501	124.00	20	208.00	17
58.00	39	82.00	125	128.00	42		
59.00	47	86.00	59	130.00	60		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65890.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Sep-2019 07:06:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0097638-001
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 16-Sep-2019 09:54:35 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0322

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 BFB	95	2.081	2.081	0.000	75	27767	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

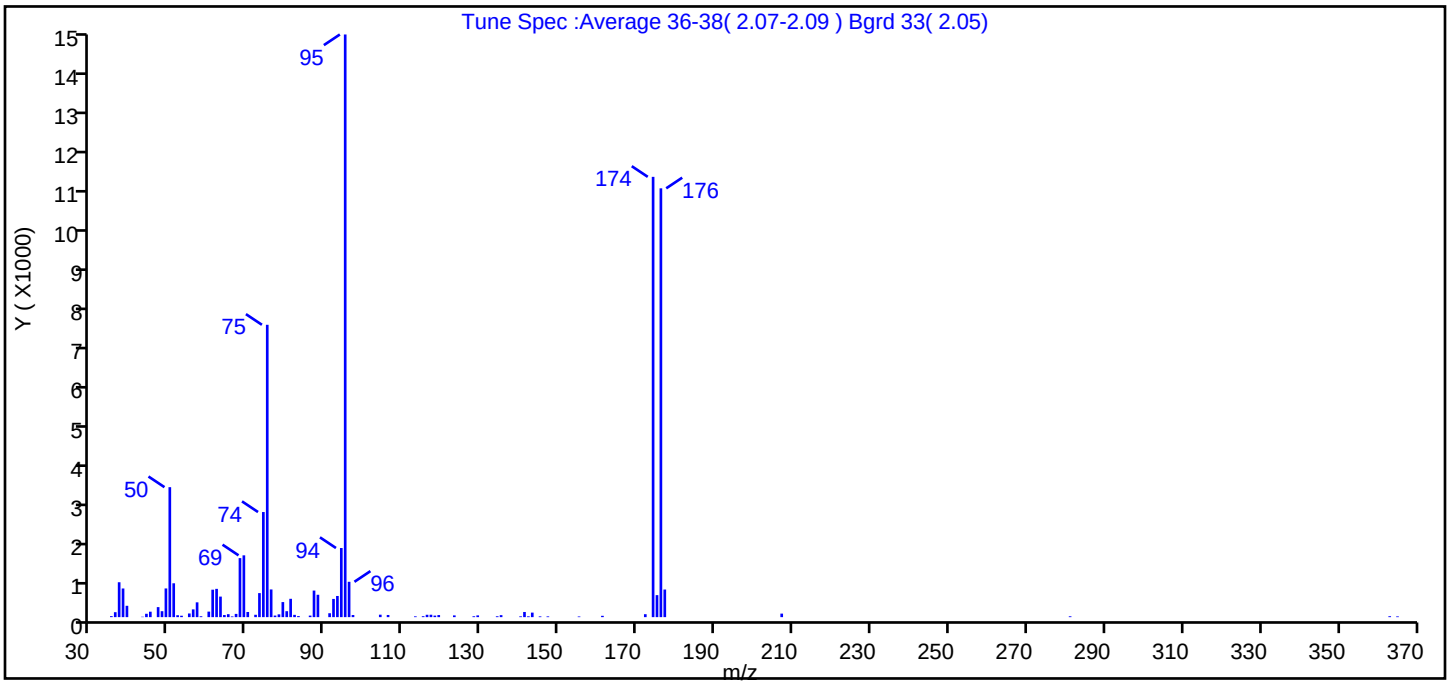
BFB_00021 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65890.D
Injection Date: 16-Sep-2019 07:06:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 143 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.3
75	30 to 60% of m/z 95	50.2
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	75.6
175	5 to 9% of m/z 174	3.8 (5.0)
176	Greater than 95% but less than 101% of m/z 174	73.6 (97.4)
177	5 to 9% of m/z 176	4.7 (6.4)

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65890.D\8260W_13.rslt\spectra.d
Injection Date: 16-Sep-2019 07:06:30
Spectrum: Tune Spec :Average 36-38(2.07-2.09) Bgrd 33(2.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	24	62.00	680	86.00	37	134.00	21
36.00	119	63.00	494	87.00	639	135.00	48
37.00	839	64.00	51	88.00	538	140.00	19
38.00	689	65.00	71	91.00	94	141.00	124
39.00	273	66.00	17	92.00	438	142.00	19
43.00	10	67.00	78	93.00	509	143.00	109
44.00	81	68.00	1419	94.00	1662	145.00	18
45.00	131	69.00	1486	95.00	14009	147.00	18
47.00	241	70.00	124	96.00	850	155.00	16
48.00	143	72.00	57	97.00	51	161.00	32
49.00	690	73.00	578	104.00	59	172.00	71
50.00	3125	74.00	2527	106.00	52	174.00	10586
51.00	814	75.00	7029	113.00	19	175.00	529
52.00	46	76.00	666	115.00	22	176.00	10310
53.00	34	77.00	38	116.00	57	177.00	664
55.00	88	78.00	67	117.00	58	207.00	85
56.00	187	79.00	362	118.00	37	281.00	20
57.00	356	80.00	143	119.00	50	363.00	22
58.00	21	81.00	441	123.00	42	365.00	18
60.00	133	82.00	55	128.00	21		
61.00	660	83.00	25	129.00	42		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65918.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Sep-2019 07:11:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0097690-001				
Operator ID:		Instrument ID:	CVOAMS13		
Method:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	18-Sep-2019 01:34:34	Calib Date:	23-Aug-2019 13:15:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0324				
First Level Reviewer: sarmientod		Date:	18-Sep-2019 01:34:34		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 BFB	95	2.081	2.081	0.000	83	31805	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

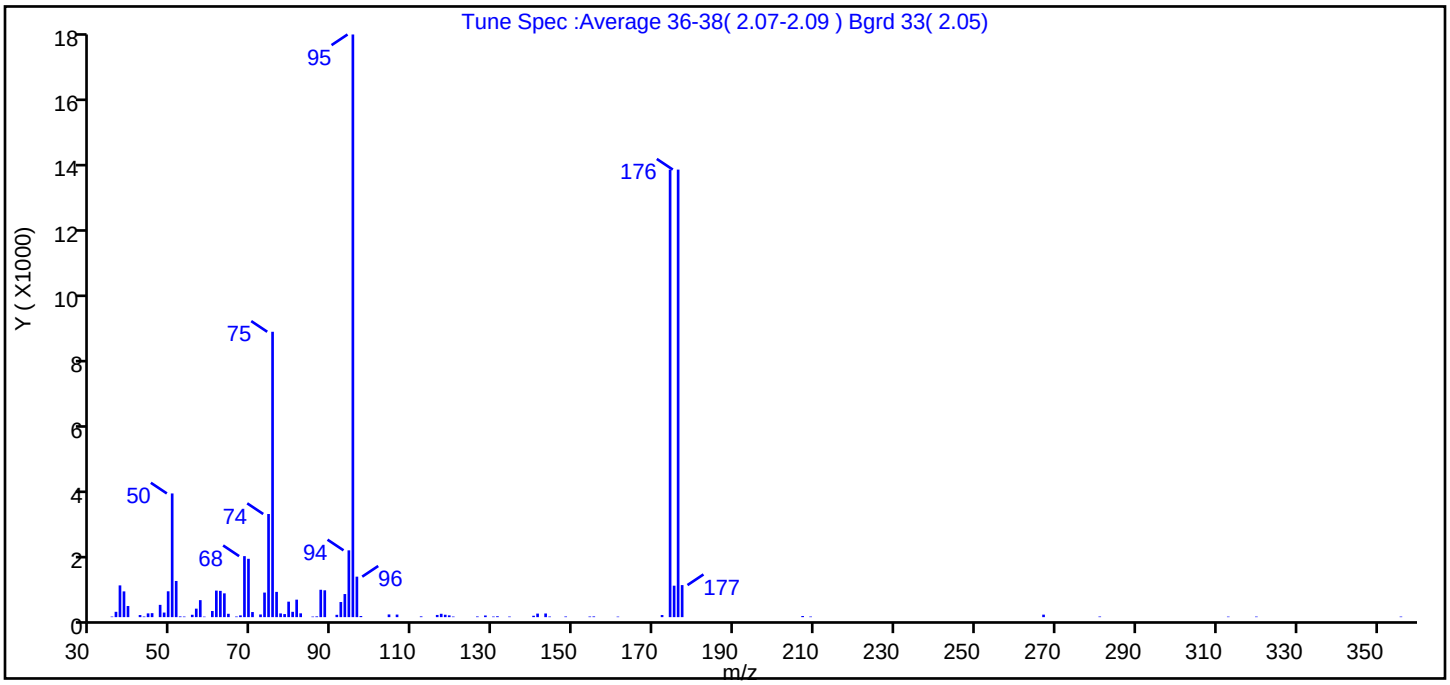
BFB_00021 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65918.D
Injection Date: 17-Sep-2019 07:11:30 Instrument ID: CVOAMS13
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 143 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.2
75	30 to 60% of m/z 95	49.0
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.8
175	5 to 9% of m/z 174	5.4 (7.0)
176	Greater than 95% but less than 101% of m/z 174	76.8 (100.0)
177	5 to 9% of m/z 176	5.5 (7.2)

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65918.D\8260W_13.rslt\spectra.d
Injection Date: 17-Sep-2019 07:11:30
Spectrum: Tune Spec :Average 36-38(2.07-2.09) Bgrd 33(2.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	18	62.00	798	88.00	815	141.00	108
36.00	162	63.00	722	91.00	71	143.00	111
37.00	964	64.00	102	92.00	459	144.00	18
38.00	782	66.00	19	93.00	701	148.00	20
39.00	338	67.00	53	94.00	2028	154.00	19
42.00	64	68.00	1852	95.00	17688	155.00	22
43.00	19	69.00	1771	96.00	1229	161.00	16
44.00	114	70.00	155	97.00	34	172.00	64
45.00	121	72.00	81	104.00	82	174.00	13585
47.00	373	73.00	746	106.00	78	175.00	955
48.00	139	74.00	3131	112.00	23	176.00	13586
49.00	785	75.00	8663	116.00	67	177.00	973
50.00	3755	76.00	767	117.00	102	207.00	34
51.00	1098	77.00	113	118.00	73	209.00	18
52.00	22	78.00	93	119.00	54	267.00	76
53.00	18	79.00	470	120.00	18	281.00	19
55.00	72	80.00	162	126.00	21	313.00	16
56.00	258	81.00	531	128.00	50	320.00	17
57.00	516	82.00	116	130.00	18	356.00	17
58.00	16	85.00	17	131.00	27		
60.00	186	86.00	23	134.00	18		
61.00	806	87.00	831	140.00	42		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639562/8

Matrix: Water Lab File ID: P65897.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 09:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639562/8

Matrix: Water Lab File ID: P65897.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 09:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
460-00-4	4-Bromofluorobenzene	90		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65897.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 16-Sep-2019 09:59:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0097638-008
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 16-Sep-2019 09:54:00 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0322

First Level Reviewer: desais Date: 16-Sep-2019 09:54:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	240362	1000.0	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	149282	50.0	48.8	
* 53 2-Butanone-d5	46	2.956	2.955	0.001	0	351820	250.0	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	190123	50.0	47.8	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	676456	50.0	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	25378	1000.0	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.047	0.000	98	609300	50.0	47.1	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	485830	50.0	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	180208	50.0	45.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	251519	50.0	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 16-Sep-2019 09:54:32 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65897.D

Injection Date: 16-Sep-2019 09:59:30 Instrument ID: CVOAMS13 Operator ID:

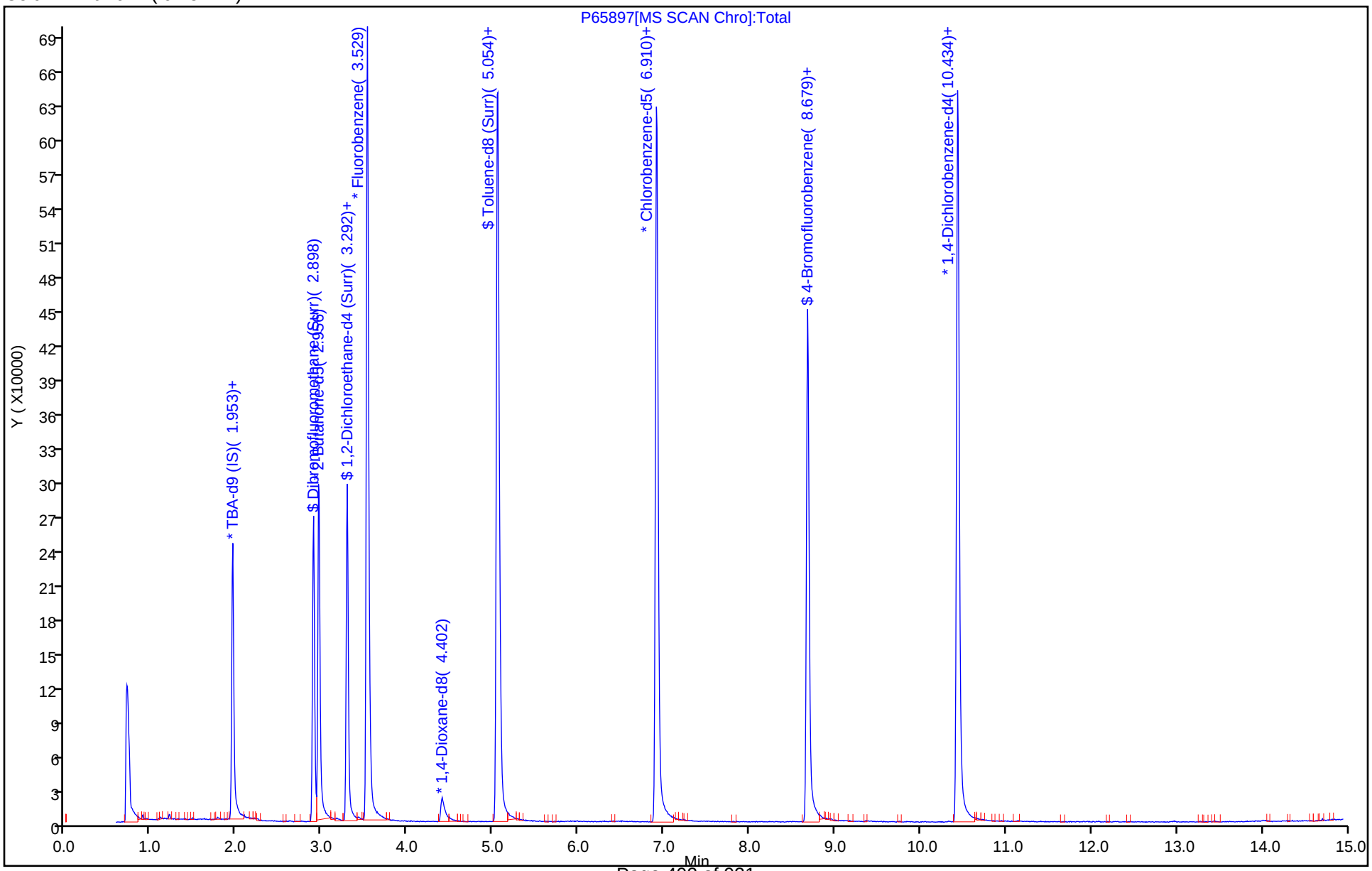
Lims ID: MB Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



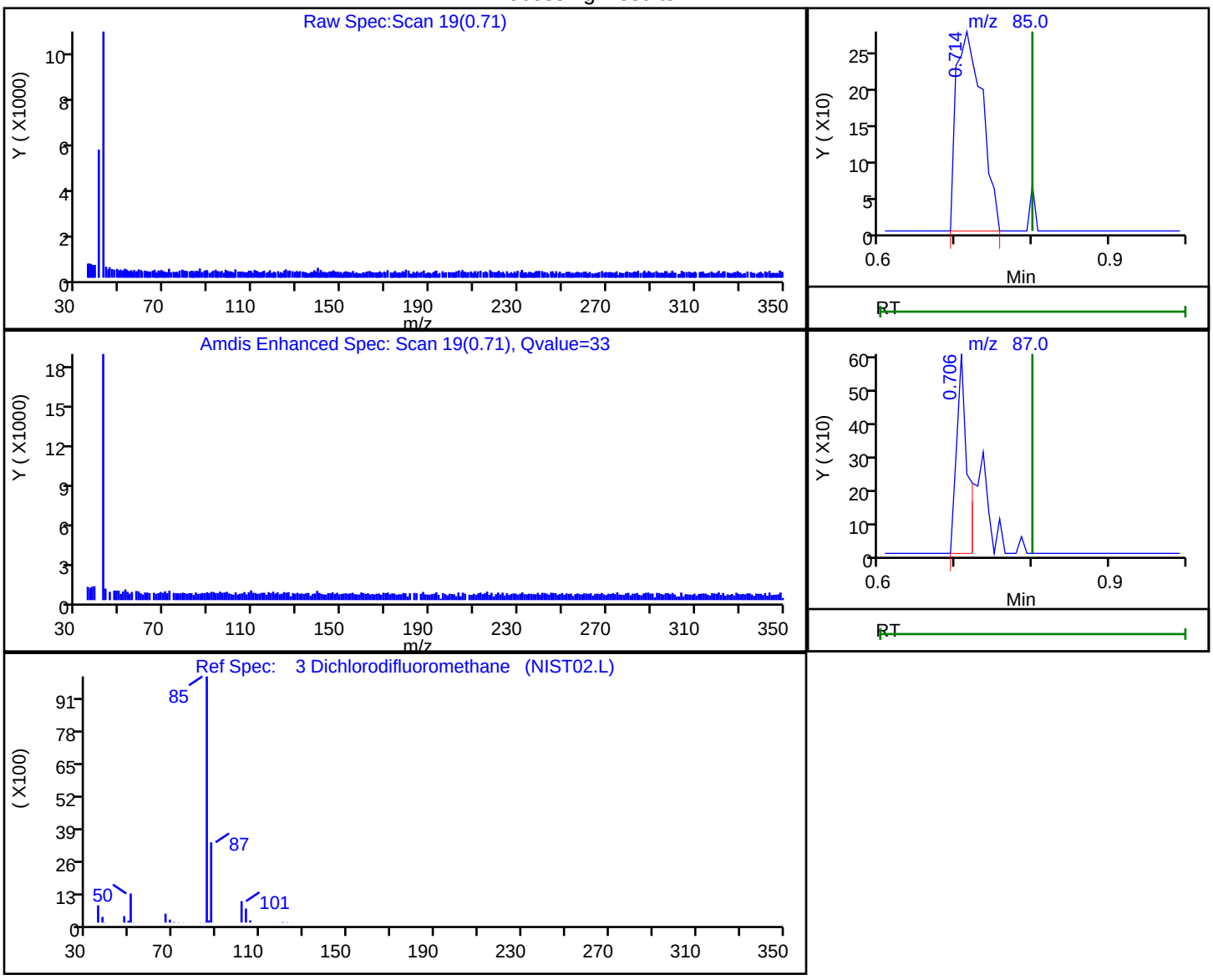
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65897.D
Injection Date: 16-Sep-2019 09:59:30 Instrument ID: CVOAMS13
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
0.71	85.00	653	0.173874
0.71	87.00	581	

Reviewer: desais, 16-Sep-2019 09:53:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639801/8

Matrix: Water Lab File ID: P65925.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 10:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
124-48-1	Chlorodibromomethane	0.28	U	1.0	0.28
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.50	U	1.0	0.50
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639801/8

Matrix: Water Lab File ID: P65925.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 10:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	0.79	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17
1330-20-7	Xylenes, Total	0.65	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	90		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65925.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 17-Sep-2019 10:51:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0097690-008
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 05:29:28 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0302

First Level Reviewer: desais Date: 17-Sep-2019 11:40:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	291853	1000.0	1000.0	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	148099	50.0	49.2	
* 53 2-Butanone-d5	46	2.955	2.956	-0.001	0	351562	250.0	250.0	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	189516	50.0	48.5	
* 66 Fluorobenzene	96	3.528	3.529	-0.001	98	664910	50.0	50.0	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	26499	1000.0	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	619547	50.0	47.4	
* 96 Chlorobenzene-d5	117	6.909	6.910	-0.001	88	491343	50.0	50.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	182000	50.0	45.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	258287	50.0	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00200 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 18-Sep-2019 05:33:16 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65925.D

Injection Date: 17-Sep-2019 10:51:30 Instrument ID: CVOAMS13 Operator ID:

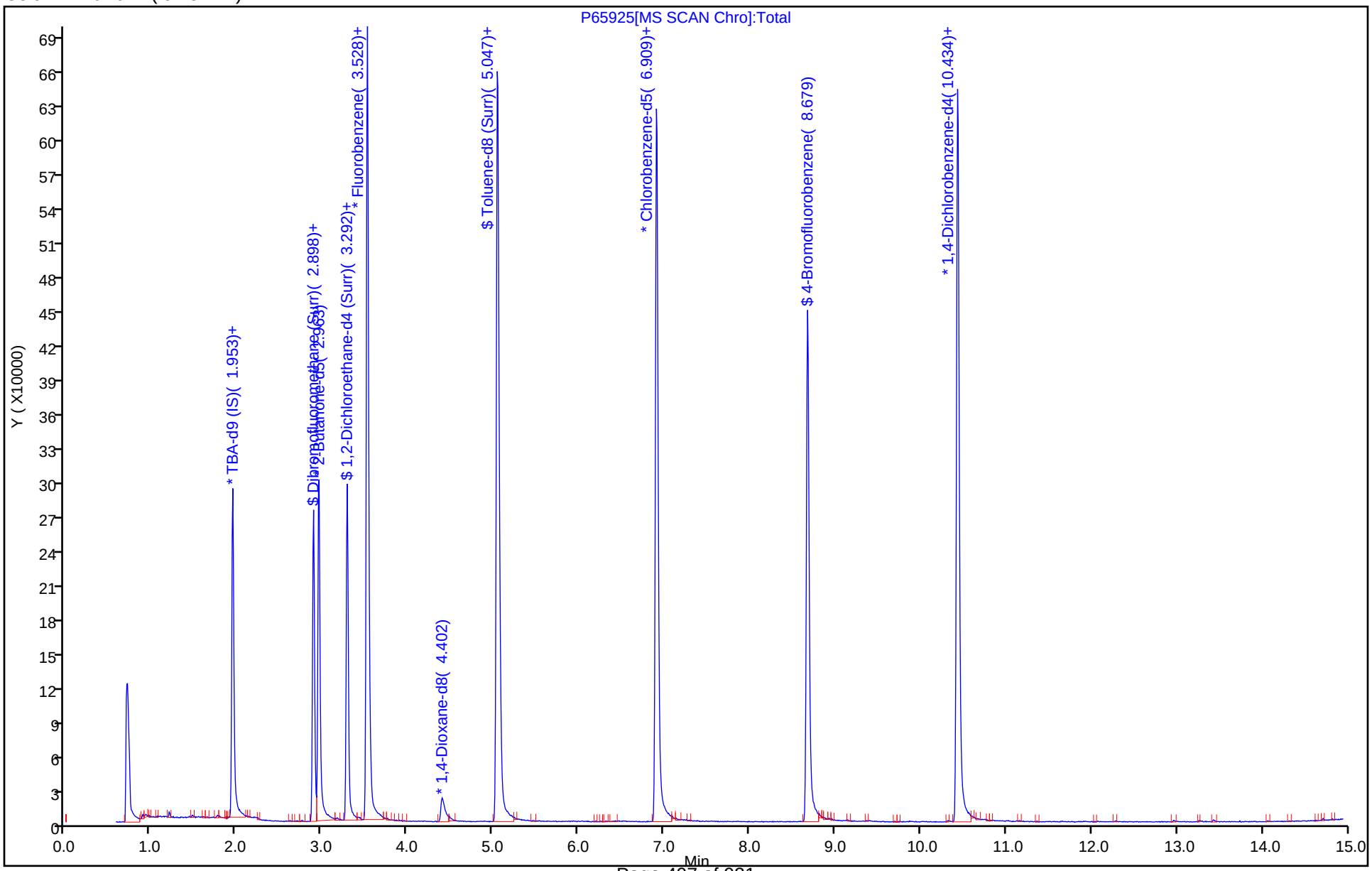
Lims ID: MB Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



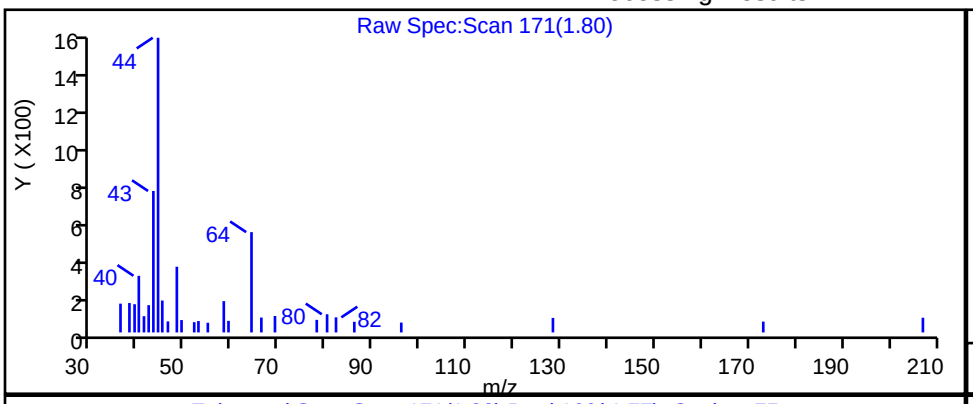
User Disabled Compound Report

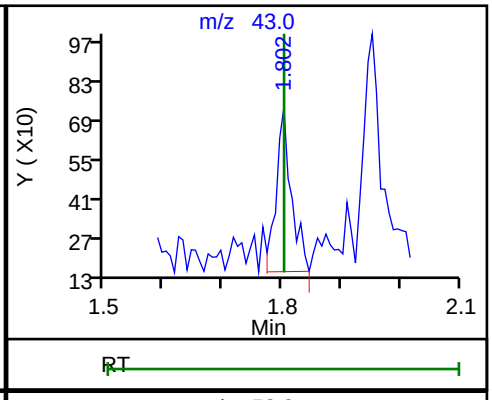
Eurofins TestAmerica, Edison

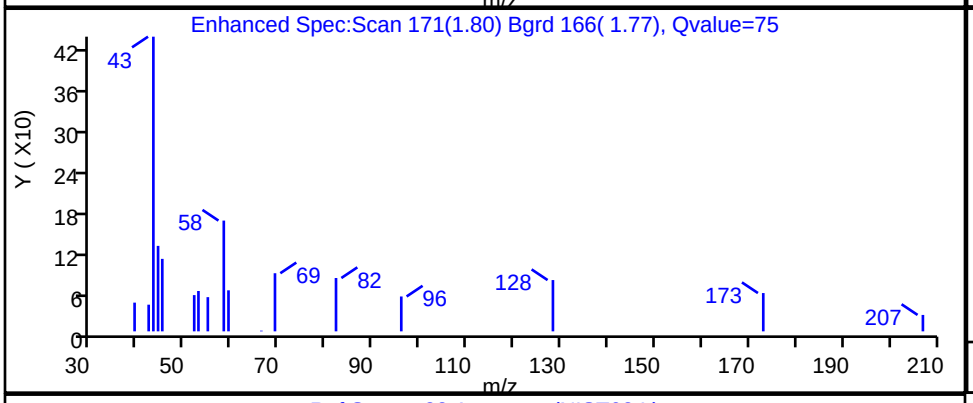
Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65925.D
Injection Date: 17-Sep-2019 10:51:30 Instrument ID: CVOAMS13
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

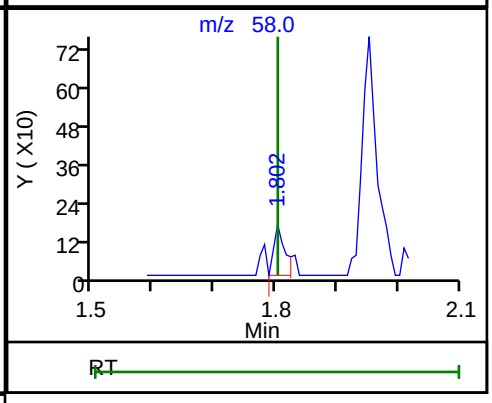
28 Acetone, CAS: 67-64-1

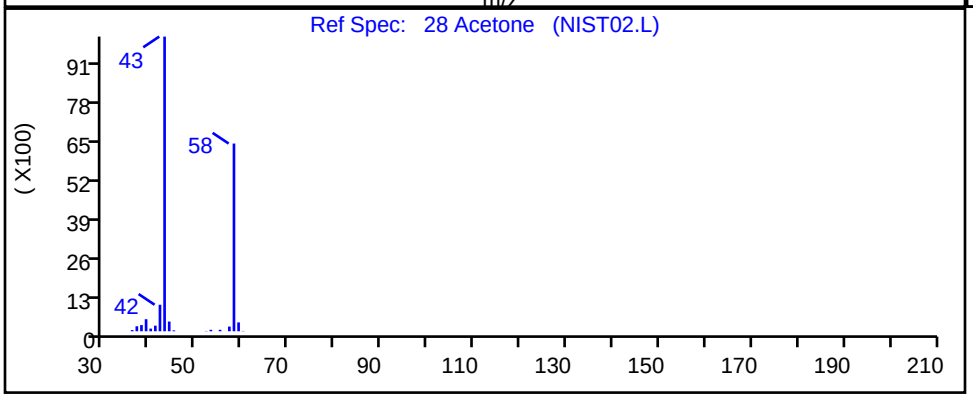
Processing Results











RT	Mass	Response	Amount
1.80	43.00	1054	1.174386
1.80	58.00	202	

Reviewer: desais, 17-Sep-2019 11:39:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

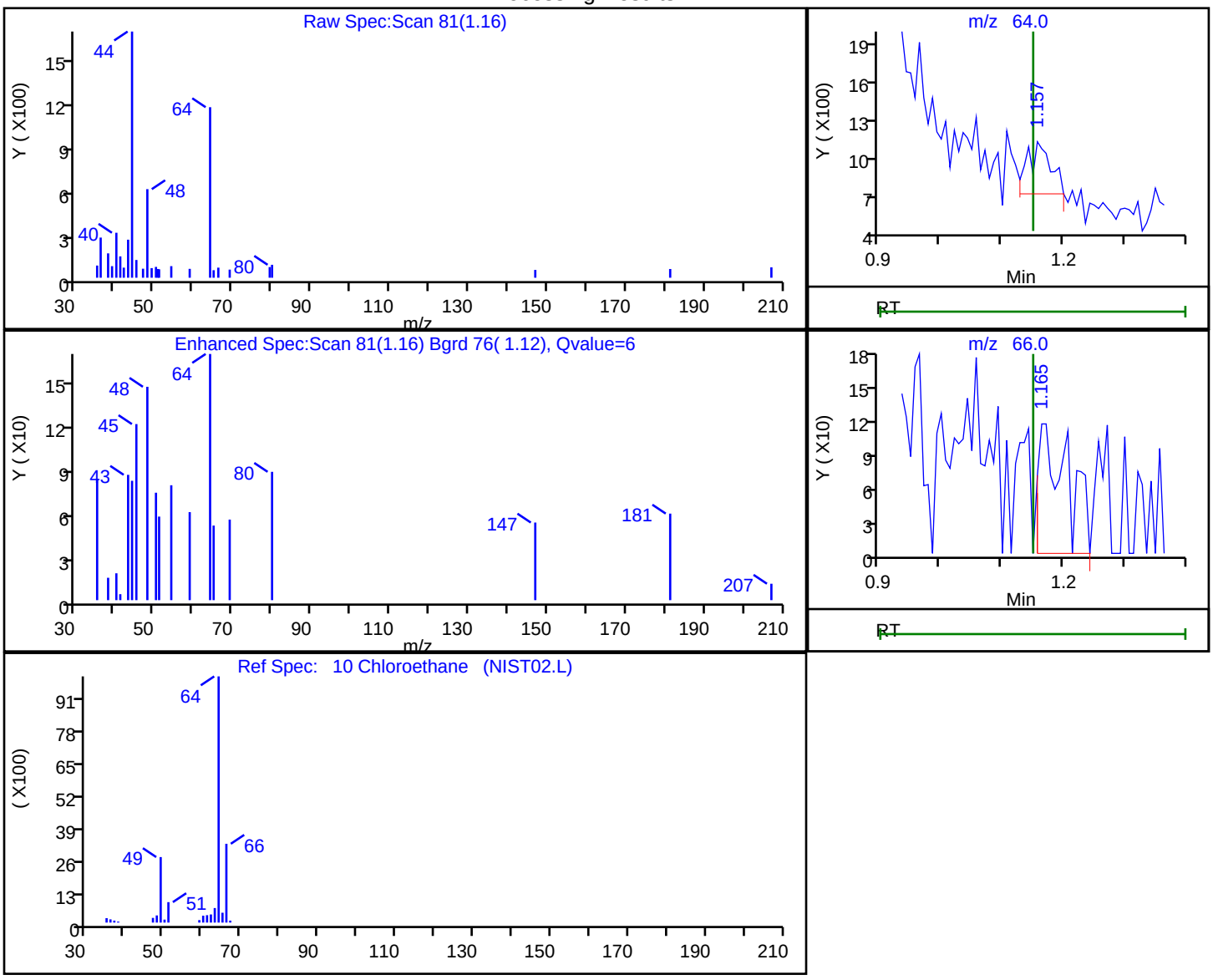
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65925.D
Injection Date: 17-Sep-2019 10:51:30 Instrument ID: CVOAMS13
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.16	64.00	969	0.447174
1.16	66.00	374	

Reviewer: desais, 17-Sep-2019 11:39:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639562/3

Matrix: Water Lab File ID: P65892.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 07:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.4		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	22.8		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.8		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.1		1.0	0.43
75-34-3	1,1-Dichloroethane	20.0		1.0	0.26
75-35-4	1,1-Dichloroethene	18.9		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	22.7		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	23.6		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.8		1.0	0.43
107-06-2	1,2-Dichloroethane	19.9		1.0	0.43
78-87-5	1,2-Dichloropropane	21.1		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.9		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.7		1.0	0.33
78-93-3	2-Butanone (MEK)	94.1		5.0	1.9
591-78-6	2-Hexanone	112		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	111		5.0	1.3
67-64-1	Acetone	97.9		5.0	4.4
71-43-2	Benzene	21.0		1.0	0.20
75-25-2	Bromoform	21.2		1.0	0.54
74-83-9	Bromomethane	18.6		1.0	0.55
75-15-0	Carbon disulfide	18.9		1.0	0.82
56-23-5	Carbon tetrachloride	18.3		1.0	0.21
108-90-7	Chlorobenzene	20.4		1.0	0.38
124-48-1	Chlorodibromomethane	20.4		1.0	0.28
75-00-3	Chloroethane	23.3		1.0	0.32
67-66-3	Chloroform	21.2		1.0	0.33
74-87-3	Chloromethane	20.6		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.6		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.5		1.0	0.22
110-82-7	Cyclohexane	17.1		1.0	0.32
75-27-4	Dichlorobromomethane	20.8		1.0	0.34
75-71-8	Dichlorodifluoromethane	16.6		1.0	0.31
100-41-4	Ethylbenzene	20.9		1.0	0.30
106-93-4	Ethylene Dibromide	20.6		1.0	0.50
98-82-8	Isopropylbenzene	21.4		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639562/3

Matrix: Water Lab File ID: P65892.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 07:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	39.3		5.0	0.79
1634-04-4	Methyl tert-butyl ether	21.3		1.0	0.47
108-87-2	Methylcyclohexane	16.7		1.0	0.26
75-09-2	Methylene Chloride	19.6		1.0	0.32
100-42-5	Styrene	20.6		1.0	0.42
127-18-4	Tetrachloroethene	19.8		1.0	0.25
108-88-3	Toluene	20.4		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	19.9		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	22.0		1.0	0.49
79-01-6	Trichloroethene	19.7		1.0	0.31
75-69-4	Trichlorofluoromethane	21.2		1.0	0.32
75-01-4	Vinyl chloride	21.3		1.0	0.17
1330-20-7	Xylenes, Total	40.3		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		74-132
460-00-4	4-Bromofluorobenzene	97		77-124
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65892.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 16-Sep-2019 07:54:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0097638-003
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Sep-2019 20:38:01 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0340

First Level Reviewer: desais Date: 16-Sep-2019 09:51:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	86	10664	20.0	16.7	
3 Dichlorodifluoromethane	85	0.814	0.799	0.015	99	63482	20.0	16.6	
4 1,1-Difluoroethane	65	0.828	0.821	0.007	95	33509	20.0	19.1	
5 Chlorodifluoromethane	67	0.843	0.835	0.008	96	12485	20.0	17.1	a
6 Chloromethane	50	0.914	0.914	0.000	82	78623	20.0	20.6	
8 Butadiene	54	0.936	0.936	0.000	97	83990	20.0	20.2	
7 Vinyl chloride	62	0.943	0.943	0.000	98	91782	20.0	21.3	
9 Bromomethane	94	1.093	1.093	0.000	98	25652	20.0	18.6	
10 Chloroethane	64	1.143	1.143	0.000	99	50847	20.0	23.3	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	97	91593	20.0	21.2	
11 Pentane	72	1.208	1.208	0.000	96	14546	40.0	28.9	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	134472	20.0	22.4	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	95	80468	20.0	19.4	
15 Ethyl ether	59	1.365	1.365	0.000	93	62381	20.0	23.0	
16 Ethanol	46	1.444	1.444	0.000	99	16082	800.0	871.8	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	77	94172	20.0	20.7	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	46631	20.0	18.9	
19 Carbon disulfide	76	1.480	1.480	0.000	100	177260	20.0	18.9	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	90	43678	20.0	17.8	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	94	87920	20.0	20.5	
22 Iodomethane	142	1.537	1.537	0.000	99	31968	20.0	9.08	
23 Cyclopentene	67	1.616	1.616	0.000	97	133058	20.0	17.5	
24 Acrolein	56	1.638	1.637	0.001	94	14796	40.0	56.6	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	89	34859	20.0	19.8	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	41740	200.0	205.2	
27 Methylene Chloride	84	1.774	1.774	0.000	98	67590	20.0	19.6	
28 Acetone	43	1.802	1.802	0.000	86	93037	100.0	97.9	
29 trans-1,2-Dichloroethene	96	1.860	1.860	0.000	99	57562	20.0	19.9	
30 Methyl acetate	43	1.874	1.874	0.000	100	99778	40.0	39.3	
31 Hexane	86	1.910	1.910	0.000	75	7744	20.0	15.1	
35 Acetonitrile	41	1.924	1.924	0.000	76	78695	200.0	195.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.924	1.931	-0.007	96	188637	20.0	21.3	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	253364	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	56669	200.0	200.5	
36 Isopropyl ether	45	2.161	2.160	0.001	96	259129	20.0	20.6	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	94	50294	20.0	19.0	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	123687	20.0	20.0	
39 Acrylonitrile	53	2.254	2.261	-0.007	93	263067	200.0	213.5	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	87	250652	20.0	22.1	
41 Vinyl acetate	43	2.390	2.390	0.000	100	369053	40.0	55.2	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	72512	20.0	20.6	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	97614	20.0	21.1	
44 Cyclohexane	56	2.705	2.705	0.000	96	85479	20.0	17.1	
45 Chlorobromomethane	128	2.705	2.705	0.000	98	34594	20.0	20.5	
46 Chloroform	83	2.769	2.769	0.000	98	126165	20.0	21.2	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	72385	20.0	18.3	
48 Ethyl acetate	70	2.870	2.870	0.000	97	16656	40.0	42.0	
49 Methyl acrylate	55	2.870	2.870	0.000	54	62459	20.0	22.0	
50 Tetrahydrofuran	42	2.877	2.877	0.000	93	58730	40.0	43.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	150788	50.0	48.3	
52 1,1,1-Trichloroethane	97	2.906	2.905	0.001	98	93833	20.0	19.4	
* 53 2-Butanone-d5	46	2.956	2.955	0.001	0	372111	250.0	250.0	
54 2-Butanone (MEK)	72	2.991	2.998	-0.007	99	40217	100.0	94.1	
55 1,1-Dichloropropene	75	2.999	2.998	0.001	96	94113	20.0	19.1	
56 Isooctane	57	3.085	3.084	0.001	98	94606	20.0	16.6	
57 n-Heptane	57	3.178	3.178	0.000	96	25096	20.0	16.8	
58 Benzene	78	3.185	3.185	0.000	97	300670	20.0	21.0	
59 Propionitrile	54	3.206	3.206	0.000	96	104095	200.0	227.0	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	300686	200.0	239.6	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	186635	50.0	46.0	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	199869	20.0	21.2	
63 1,2-Dichloroethane	62	3.342	3.342	0.000	97	97682	20.0	19.9	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	59813	500.0	508.2	
65 t-Amyl alcohol	59	3.493	3.493	0.000	90	38213	200.0	210.1	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	690668	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	141671	20.0	21.7	
68 Methylcyclohexane	83	3.650	3.650	0.000	93	60532	20.0	16.7	
69 Trichloroethene	130	3.672	3.672	0.000	97	65981	20.0	19.7	
70 2-ethoxy-2-methyl butane	59	3.923	3.915	0.008	91	170938	20.0	19.8	
71 Dibromomethane	93	4.037	4.044	-0.007	97	41957	20.0	21.2	
72 n-Butanol	56	4.052	4.059	-0.007	93	34631	500.0	536.6	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	90	78139	20.0	21.1	
75 Dichlorobromomethane	83	4.209	4.216	-0.007	98	90819	20.0	20.8	
74 Ethyl acrylate	55	4.209	4.216	-0.007	81	83405	20.0	21.7	
* 76 1,4-Dioxane-d8	96	4.395	4.402	-0.007	0	29236	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	94	33735	40.0	42.7	
78 1,4-Dioxane	88	4.424	4.424	0.000	97	15726	400.0	445.4	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	98409	20.0	22.1	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	40722	20.0	20.4	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	112228	20.0	21.5	
$ 82 Toluene-d8 (Surr)	98	5.047	5.047	0.000	99	639583	50.0	47.2	
83 Toluene	91	5.105	5.104	0.001	93	313974	20.0	20.4	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	128358	400.0	437.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Nitropropane	41	5.355	5.355	0.000	99	28284	40.0	39.6	
86 Tetrachloroethene	166	5.527	5.534	-0.007	97	65496	20.0	19.8	
87 4-Methyl-2-pentanone (MIBK	43	5.570	5.570	0.000	98	368414	100.0	111.2	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	94	104738	20.0	22.0	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	53449	20.0	21.1	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	84824	20.0	20.9	
91 Chlorodibromomethane	129	5.971	5.971	0.000	98	61155	20.0	20.4	
92 1,3-Dichloropropane	76	6.086	6.093	-0.007	96	112109	20.0	21.6	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	58207	20.0	20.6	
94 n-Butyl acetate	43	6.573	6.573	0.000	97	94861	20.0	22.3	
95 2-Hexanone	43	6.630	6.630	0.000	98	253623	100.0	112.1	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	89	509141	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	91	190586	20.0	20.4	
98 Ethylbenzene	106	7.017	7.017	0.000	99	101239	20.0	20.9	
99 1,1,1,2-Tetrachloroethane	131	7.039	7.046	-0.007	93	61159	20.0	20.7	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	122381	20.0	20.2	
101 o-Xylene	106	7.819	7.819	0.000	93	114810	20.0	20.1	
102 Bromoform	173	7.877	7.884	-0.007	95	36751	20.0	21.2	
103 Styrene	104	7.905	7.905	0.000	93	199164	20.0	20.6	
104 n-Butyl acrylate	73	8.235	8.235	0.000	96	43642	20.0	21.4	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	289803	20.0	21.4	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	117395	20.0	22.7	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	89	201856	50.0	48.4	
108 Bromobenzene	156	8.779	8.779	0.000	97	83653	20.0	21.7	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	339252	20.0	21.4	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	81928	20.0	22.8	
111 2-Chlorotoluene	91	9.109	9.109	0.000	96	265143	20.0	21.9	
112 4-Ethyltoluene	105	9.123	9.130	-0.007	98	287650	20.0	21.7	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	23550	20.0	22.2	
114 1,3,5-Trimethylbenzene	105	9.281	9.280	0.001	92	237498	20.0	21.1	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	82	21625	20.0	24.9	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	249248	20.0	21.8	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	173356	20.0	20.8	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	97	250759	20.0	22.2	
119 Butyl Methacrylate	87	9.889	9.889	0.000	95	79374	20.0	16.2	
120 sec-Butylbenzene	105	10.040	10.040	0.000	98	250780	20.0	21.5	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	148206	20.0	21.9	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	98	205438	20.0	21.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	274894	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	158753	20.0	21.7	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	272054	20.0	22.3	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	271012	20.0	22.2	
127 Benzyl chloride	126	10.914	10.914	0.000	95	18767	20.0	17.2	
128 p-Diethylbenzene	119	10.928	10.935	-0.007	91	108747	20.0	21.6	
129 n-Butylbenzene	91	11.014	11.014	0.000	99	191471	20.0	22.4	
130 1,2-Dichlorobenzene	146	11.122	11.121	0.001	95	154165	20.0	22.8	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	189019	20.0	21.7	
132 1,2-Dibromo-3-Chloropropan	157	12.210	12.217	-0.007	91	12760	20.0	23.6	
133 1,3,5-Trichlorobenzene	180	12.268	12.267	0.001	97	89067	20.0	22.3	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	82651	20.0	22.7	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	95	31887	20.0	22.0	
136 Naphthalene	128	13.242	13.242	0.000	99	188310	20.0	22.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 1,2,3-Trichlorobenzene	180	13.414	13.414	0.000	94	77501	20.0	22.7	
S 138 1,2-Dichloroethene, Total	100				0		40.0	40.5	
S 139 1,3-Dichloropropene, Total	100				0		40.0	43.5	
S 140 Xylenes, Total	100				0		40.0	40.3	
S 142 Total BTEX	1				0		100.0	102.7	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

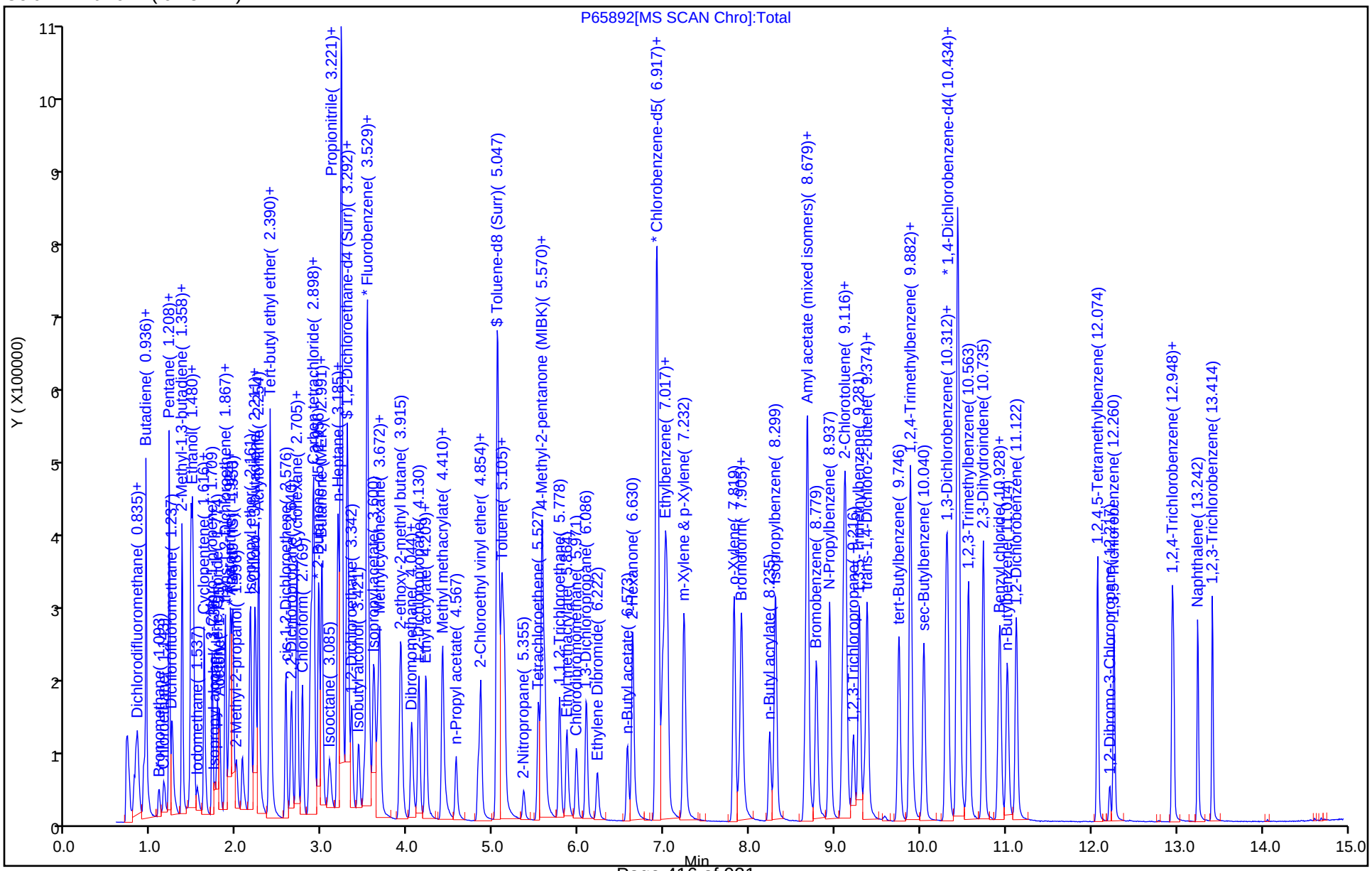
Report Date: 17-Sep-2019 20:38:04 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65892.D

Injection Date:	16-Sep-2019 07:54:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639801/4

Matrix: Water Lab File ID: P65921.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 09:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.1		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.6		1.0	0.43
75-34-3	1,1-Dichloroethane	23.7		1.0	0.26
75-35-4	1,1-Dichloroethene	21.5		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	22.6		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	23.1		1.0	0.38
95-50-1	1,2-Dichlorobenzene	21.6		1.0	0.43
107-06-2	1,2-Dichloroethane	19.9		1.0	0.43
78-87-5	1,2-Dichloropropane	21.0		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.8		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.4		1.0	0.33
78-93-3	2-Butanone (MEK)	96.8		5.0	1.9
591-78-6	2-Hexanone	107		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	102		5.0	1.3
67-64-1	Acetone	119		5.0	4.4
71-43-2	Benzene	20.8		1.0	0.20
75-25-2	Bromoform	20.6		1.0	0.54
74-83-9	Bromomethane	16.6		1.0	0.55
75-15-0	Carbon disulfide	21.1		1.0	0.82
56-23-5	Carbon tetrachloride	19.1		1.0	0.21
108-90-7	Chlorobenzene	20.7		1.0	0.38
124-48-1	Chlorodibromomethane	19.6		1.0	0.28
75-00-3	Chloroethane	25.6		1.0	0.32
67-66-3	Chloroform	21.9		1.0	0.33
74-87-3	Chloromethane	22.7		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.8		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.7		1.0	0.22
110-82-7	Cyclohexane	18.1		1.0	0.32
75-27-4	Dichlorobromomethane	20.4		1.0	0.34
75-71-8	Dichlorodifluoromethane	11.6		1.0	0.31
100-41-4	Ethylbenzene	21.3		1.0	0.30
106-93-4	Ethylene Dibromide	20.5		1.0	0.50
98-82-8	Isopropylbenzene	21.8		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639801/4

Matrix: Water Lab File ID: P65921.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 09:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	37.5		5.0	0.79
1634-04-4	Methyl tert-butyl ether	24.2		1.0	0.47
108-87-2	Methylcyclohexane	17.4		1.0	0.26
75-09-2	Methylene Chloride	22.1		1.0	0.32
100-42-5	Styrene	20.8		1.0	0.42
127-18-4	Tetrachloroethene	20.8		1.0	0.25
108-88-3	Toluene	20.5		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	23.3		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.3		1.0	0.49
79-01-6	Trichloroethene	20.8		1.0	0.31
75-69-4	Trichlorofluoromethane	20.2		1.0	0.32
75-01-4	Vinyl chloride	25.3		1.0	0.17
1330-20-7	Xylenes, Total	41.0		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	97		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65921.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 17-Sep-2019 09:12:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0097690-004
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 10:57:24 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: desais Date: 17-Sep-2019 10:45:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.778	0.778	0.000	28	578	20.0	7.80	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	86	9833	20.0	15.7	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	98	43485	20.0	11.6	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	96	31587	20.0	18.3	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	96	11939	20.0	16.7	a
6 Chloromethane	50	0.914	0.914	0.000	98	84842	20.0	22.7	
8 Butadiene	54	0.935	0.935	0.000	97	87575	20.0	21.4	
7 Vinyl chloride	62	0.943	0.943	0.000	98	107038	20.0	25.3	
9 Bromomethane	94	1.093	1.093	0.000	98	22658	20.0	16.6	
10 Chloroethane	64	1.143	1.143	0.000	99	54723	20.0	25.6	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	97	85442	20.0	20.2	
11 Pentane	72	1.208	1.208	0.000	95	12788	40.0	21.3	
13 Dichlorofluoromethane	67	1.243	1.243	0.000	98	144857	20.0	24.6	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	84190	20.0	20.7	
15 Ethyl ether	59	1.365	1.365	0.000	93	64956	20.0	24.4	
16 Ethanol	46	1.444	1.444	0.000	99	16921	800.0	777.3	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	78	106306	20.0	23.8	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	52001	20.0	21.5	
19 Carbon disulfide	76	1.480	1.480	0.000	100	193854	20.0	21.1	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	97	44954	20.0	18.7	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	95	100627	20.0	24.0	
22 Iodomethane	142	1.537	1.537	0.000	99	37856	20.0	11.0	
23 Cyclopentene	67	1.616	1.616	0.000	97	151729	20.0	20.3	
24 Acrolein	56	1.637	1.637	0.000	96	15556	40.0	50.4	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	91	40780	20.0	23.7	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	48428	200.0	201.8	
27 Methylene Chloride	84	1.774	1.774	0.000	98	74850	20.0	22.1	
28 Acetone	43	1.802	1.802	0.000	85	111478	100.0	119.0	
29 trans-1,2-Dichloroethene	96	1.860	1.860	0.000	98	66062	20.0	23.3	
30 Methyl acetate	43	1.874	1.874	0.000	99	112234	40.0	37.5	
31 Hexane	86	1.910	1.910	0.000	85	8491	20.0	16.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	210230	20.0	24.2	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	299014	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	65730	200.0	197.1	
35 Acetonitrile	41	2.067	2.067	0.000	99	103152	200.0	216.6	a
36 Isopropyl ether	45	2.160	2.160	0.000	97	309402	20.0	25.1	
37 2-Chloro-1,3-butadiene	88	2.210	2.210	0.000	94	59439	20.0	22.9	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	143445	20.0	23.7	
39 Acrylonitrile	53	2.253	2.253	0.000	94	299356	200.0	247.9	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	246983	20.0	22.3	
41 Vinyl acetate	43	2.390	2.390	0.000	100	366983	40.0	56.0	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	75200	20.0	21.8	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	99662	20.0	21.9	
44 Cyclohexane	56	2.705	2.705	0.000	94	88207	20.0	18.1	
45 Chlorobromomethane	128	2.705	2.705	0.000	98	34054	20.0	20.6	
46 Chloroform	83	2.769	2.769	0.000	98	127740	20.0	21.9	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	74085	20.0	19.1	
48 Ethyl acetate	70	2.869	2.869	0.000	98	15721	40.0	40.2	
49 Methyl acrylate	55	2.869	2.869	0.000	52	59523	20.0	21.4	
50 Tetrahydrofuran	42	2.884	2.884	0.000	93	55330	40.0	41.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	150350	50.0	49.1	
52 1,1,1-Trichloroethane	97	2.905	2.905	0.000	98	95408	20.0	20.1	
* 53 2-Butanone-d5	46	2.955	2.955	0.000	0	367034	250.0	250.0	
54 2-Butanone (MEK)	72	2.998	2.998	0.000	100	40797	100.0	96.8	
55 1,1-Dichloropropene	75	2.998	2.998	0.000	90	96432	20.0	20.0	
56 Isooctane	57	3.084	3.084	0.000	98	93502	20.0	16.7	
57 n-Heptane	57	3.178	3.178	0.000	94	24569	20.0	16.8	
58 Benzene	78	3.185	3.185	0.000	97	294130	20.0	20.8	
59 Propionitrile	54	3.206	3.206	0.000	97	99827	200.0	184.5	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	286258	200.0	232.8	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	194964	50.0	49.0	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	194463	20.0	21.0	
63 1,2-Dichloroethane	62	3.342	3.342	0.000	97	95749	20.0	19.9	
64 Isobutyl alcohol	43	3.428	3.428	0.000	97	56846	500.0	409.3	
65 t-Amyl alcohol	59	3.493	3.493	0.000	91	36576	200.0	170.4	
* 66 Fluorobenzene	96	3.528	3.528	0.000	98	676942	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	136103	20.0	21.2	
68 Methylcyclohexane	83	3.657	3.657	0.000	94	62066	20.0	17.4	
69 Trichloroethene	130	3.672	3.672	0.000	98	67982	20.0	20.8	
70 2-ethoxy-2-methyl butane	59	3.915	3.915	0.000	91	167984	20.0	19.8	
71 Dibromomethane	93	4.044	4.044	0.000	96	39926	20.0	20.6	
72 n-Butanol	56	4.059	4.059	0.000	93	33953	500.0	448.5	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	90	76081	20.0	21.0	
74 Ethyl acrylate	55	4.209	4.209	0.000	80	80086	20.0	21.3	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	87029	20.0	20.4	
* 76 1,4-Dioxane-d8	96	4.402	4.402	0.000	0	28889	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	93	33018	40.0	42.6	
78 1,4-Dioxane	88	4.431	4.431	0.000	97	14920	400.0	427.7	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	94402	20.0	21.6	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	37883	20.0	19.4	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	111793	20.0	21.7	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	629871	50.0	47.2	
83 Toluene	91	5.104	5.104	0.000	93	309937	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Epichlorohydrin	57	5.133	5.133	0.000	99	121139	400.0	418.3	
85 2-Nitropropane	41	5.355	5.355	0.000	99	27247	40.0	39.0	
86 Tetrachloroethene	166	5.534	5.534	0.000	98	67903	20.0	20.8	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.577	0.000	98	333959	100.0	102.2	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	93	100232	20.0	21.3	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	95	51438	20.0	20.6	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	79470	20.0	20.0	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	57927	20.0	19.6	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	107815	20.0	21.0	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	57176	20.0	20.5	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	89679	20.0	21.4	
95 2-Hexanone	43	6.630	6.630	0.000	98	239598	100.0	107.4	
* 96 Chlorobenzene-d5	117	6.909	6.909	0.000	89	501712	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	92	190916	20.0	20.7	
98 Ethylbenzene	106	7.017	7.017	0.000	99	101674	20.0	21.3	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	59841	20.0	20.6	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	121816	20.0	20.4	
101 o-Xylene	106	7.819	7.819	0.000	93	115506	20.0	20.5	
102 Bromoform	173	7.884	7.884	0.000	96	35250	20.0	20.6	
103 Styrene	104	7.905	7.905	0.000	94	198302	20.0	20.8	
104 n-Butyl acrylate	73	8.235	8.235	0.000	95	40601	20.0	20.2	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	291547	20.0	21.8	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	107518	20.0	21.0	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	198865	50.0	48.4	
108 Bromobenzene	156	8.786	8.786	0.000	98	80630	20.0	21.1	
109 N-Propylbenzene	91	8.937	8.937	0.000	99	336471	20.0	21.3	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	75399	20.0	21.1	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	257938	20.0	21.5	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	287697	20.0	21.9	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	21062	20.0	20.0	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	93	236898	20.0	21.2	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	83	18449	20.0	21.5	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	245003	20.0	21.6	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	174437	20.0	21.1	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	247721	20.0	22.1	
119 Butyl Methacrylate	87	9.889	9.889	0.000	98	76507	20.0	15.7	
120 sec-Butylbenzene	105	10.040	10.040	0.000	98	251107	20.0	21.7	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	146141	20.0	21.8	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	209509	20.0	21.8	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	272682	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	154706	20.0	21.4	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	261404	20.0	21.6	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	264705	20.0	21.9	
127 Benzyl chloride	126	10.914	10.914	0.000	96	18803	20.0	17.4	
128 p-Diethylbenzene	119	10.928	10.928	0.000	91	109480	20.0	21.9	
129 n-Butylbenzene	91	11.014	11.014	0.000	98	191606	20.0	22.6	
130 1,2-Dichlorobenzene	146	11.121	11.121	0.000	95	145197	20.0	21.6	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	192026	20.0	22.3	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	93	12368	20.0	23.1	
133 1,3,5-Trichlorobenzene	180	12.267	12.267	0.000	97	87736	20.0	22.1	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	81591	20.0	22.6	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	32007	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 Naphthalene	128	13.249	13.249	0.000	99	180840	20.0	22.1	
137 1,2,3-Trichlorobenzene	180	13.413	13.413	0.000	95	75468	20.0	22.3	
S 138 1,2-Dichloroethene, Total	100				0		40.0	45.1	
S 139 1,3-Dichloropropene, Total	100				0		40.0	43.1	
S 140 Xylenes, Total	100				0		40.0	41.0	
S 142 Total BTEX	1				0		100.0	103.6	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00332	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Sep-2019 10:57:27 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65921.D

Injection Date: 17-Sep-2019 09:12:30 Instrument ID: CVOAMS13 Operator ID:

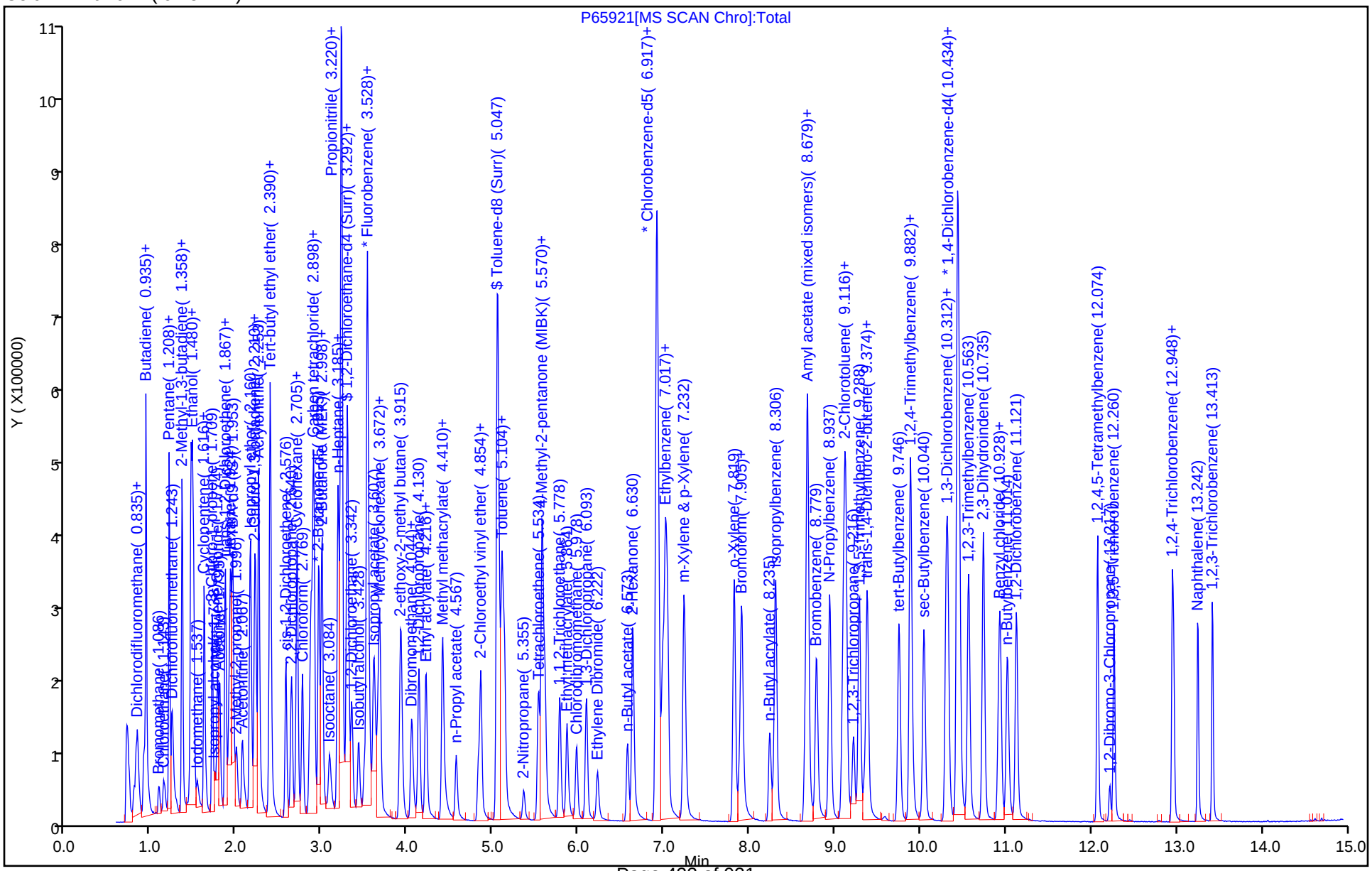
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639562/4

Matrix: Water Lab File ID: P65893.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 08:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.3		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.5		1.0	0.43
75-34-3	1,1-Dichloroethane	22.2		1.0	0.26
75-35-4	1,1-Dichloroethene	21.8		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	23.0		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	22.3		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.8		1.0	0.43
107-06-2	1,2-Dichloroethane	21.1		1.0	0.43
78-87-5	1,2-Dichloropropane	22.1		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.8		1.0	0.34
106-46-7	1,4-Dichlorobenzene	22.2		1.0	0.33
78-93-3	2-Butanone (MEK)	97.5		5.0	1.9
591-78-6	2-Hexanone	113		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	111		5.0	1.3
67-64-1	Acetone	102		5.0	4.4
71-43-2	Benzene	22.2		1.0	0.20
75-25-2	Bromoform	20.5		1.0	0.54
74-83-9	Bromomethane	19.7		1.0	0.55
75-15-0	Carbon disulfide	21.1		1.0	0.82
56-23-5	Carbon tetrachloride	20.0		1.0	0.21
108-90-7	Chlorobenzene	21.7		1.0	0.38
124-48-1	Chlorodibromomethane	20.8		1.0	0.28
75-00-3	Chloroethane	25.3		1.0	0.32
67-66-3	Chloroform	22.5		1.0	0.33
74-87-3	Chloromethane	22.4		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	22.5		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	22.3		1.0	0.22
110-82-7	Cyclohexane	19.0		1.0	0.32
75-27-4	Dichlorobromomethane	21.5		1.0	0.34
75-71-8	Dichlorodifluoromethane	17.4		1.0	0.31
100-41-4	Ethylbenzene	22.2		1.0	0.30
106-93-4	Ethylene Dibromide	21.1		1.0	0.50
98-82-8	Isopropylbenzene	22.9		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639562/4

Matrix: Water Lab File ID: P65893.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/16/2019 08:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639562 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	39.5		5.0	0.79
1634-04-4	Methyl tert-butyl ether	22.3		1.0	0.47
108-87-2	Methylcyclohexane	17.6		1.0	0.26
75-09-2	Methylene Chloride	20.3		1.0	0.32
100-42-5	Styrene	21.7		1.0	0.42
127-18-4	Tetrachloroethene	21.4		1.0	0.25
108-88-3	Toluene	21.9		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	22.3		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	22.2		1.0	0.49
79-01-6	Trichloroethene	21.6		1.0	0.31
75-69-4	Trichlorofluoromethane	23.2		1.0	0.32
75-01-4	Vinyl chloride	24.5		1.0	0.17
1330-20-7	Xylenes, Total	43.0		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
460-00-4	4-Bromofluorobenzene	95		77-124
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65893.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 16-Sep-2019 08:19:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0097638-004
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 16-Sep-2019 09:54:38 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0322

First Level Reviewer: desais Date: 16-Sep-2019 09:52:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.757	0.713	0.044	27	1267	20.0	16.5	a
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	86	11974	20.0	18.4	
3 Dichlorodifluoromethane	85	0.814	0.799	0.015	99	67603	20.0	17.4	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	97	36410	20.0	20.4	
5 Chlorodifluoromethane	67	0.835	0.835	0.000	96	13609	20.0	18.3	a
6 Chloromethane	50	0.914	0.914	0.000	98	87006	20.0	22.4	
8 Butadiene	54	0.936	0.936	0.000	97	98274	20.0	23.2	
7 Vinyl chloride	62	0.943	0.943	0.000	97	107292	20.0	24.5	
9 Bromomethane	94	1.086	1.093	-0.007	99	27205	20.0	19.7	
10 Chloroethane	64	1.151	1.143	0.008	99	56156	20.0	25.3	
12 Trichlorofluoromethane	101	1.215	1.208	0.007	96	102044	20.0	23.2	
11 Pentane	72	1.208	1.208	0.000	96	15114	40.0	29.6	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	147092	20.0	24.1	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	95	89974	20.0	21.4	
15 Ethyl ether	59	1.365	1.365	0.000	94	64831	20.0	23.5	
16 Ethanol	46	1.444	1.444	0.000	100	16908	800.0	901.5	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	82	103356	20.0	22.3	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	54674	20.0	21.8	
19 Carbon disulfide	76	1.480	1.480	0.000	100	200728	20.0	21.1	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	97	44510	20.0	17.9	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	97	100185	20.0	23.0	a
22 Iodomethane	142	1.545	1.537	0.008	99	39601	20.0	11.1	
23 Cyclopentene	67	1.616	1.616	0.000	96	152160	20.0	19.7	
24 Acrolein	56	1.638	1.637	0.001	95	14052	40.0	52.8	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	90	38957	20.0	21.8	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	42153	200.0	203.8	
27 Methylene Chloride	84	1.774	1.774	0.000	98	71276	20.0	20.3	
28 Acetone	43	1.802	1.802	0.000	85	96892	100.0	102.1	
29 trans-1,2-Dichloroethene	96	1.867	1.860	0.007	98	65442	20.0	22.3	
30 Methyl acetate	43	1.874	1.874	0.000	100	101954	40.0	39.5	
31 Hexane	86	1.910	1.910	0.000	84	8482	20.0	16.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Acetonitrile	41	1.924	1.924	0.000	73	88900	200.0	216.7	
32 Methyl tert-butyl ether	73	1.924	1.931	-0.007	97	201257	20.0	22.3	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	257602	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	98	58535	200.0	203.7	
36 Isopropyl ether	45	2.161	2.160	0.001	96	277813	20.0	21.8	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	94	56549	20.0	21.0	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	139172	20.0	22.2	
39 Acrylonitrile	53	2.254	2.261	-0.007	93	275636	200.0	220.2	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	260242	20.0	22.6	
41 Vinyl acetate	43	2.390	2.390	0.000	100	382088	40.0	56.3	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	80440	20.0	22.5	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	105637	20.0	22.4	
44 Cyclohexane	56	2.705	2.705	0.000	94	96183	20.0	19.0	
45 Chlorobromomethane	128	2.705	2.705	0.000	98	36435	20.0	21.2	
46 Chloroform	83	2.769	2.769	0.000	98	136067	20.0	22.5	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	80205	20.0	20.0	
48 Ethyl acetate	70	2.870	2.870	0.000	97	16423	40.0	41.5	
49 Methyl acrylate	55	2.870	2.870	0.000	53	61912	20.0	21.4	
50 Tetrahydrofuran	42	2.877	2.877	0.000	94	57275	40.0	42.7	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	153711	50.0	48.4	
52 1,1,1-Trichloroethane	97	2.906	2.905	0.001	97	104818	20.0	21.3	
* 53 2-Butanone-d5	46	2.956	2.955	0.001	0	371712	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.998	0.001	98	41615	100.0	97.5	
55 1,1-Dichloropropene	75	2.999	2.998	0.001	82	103371	20.0	20.7	
56 Isooctane	57	3.085	3.084	0.001	98	99939	20.0	17.2	
57 n-Heptane	57	3.178	3.178	0.000	94	28853	20.0	19.0	
58 Benzene	78	3.185	3.185	0.000	97	321702	20.0	22.2	
59 Propionitrile	54	3.206	3.206	0.000	97	105314	200.0	225.9	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	304602	200.0	238.9	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	197756	50.0	47.9	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	208427	20.0	21.7	
63 1,2-Dichloroethane	62	3.350	3.342	0.008	97	105090	20.0	21.1	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	59348	500.0	496.0	
65 t-Amyl alcohol	59	3.493	3.493	0.000	90	37839	200.0	204.6	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	701809	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	145917	20.0	22.0	
68 Methylcyclohexane	83	3.658	3.650	0.008	95	65057	20.0	17.6	
69 Trichloroethene	130	3.672	3.672	0.000	97	73378	20.0	21.6	
70 2-ethoxy-2-methyl butane	59	3.916	3.915	0.001	91	181167	20.0	20.6	
71 Dibromomethane	93	4.044	4.044	0.000	97	43648	20.0	21.7	
72 n-Butanol	56	4.059	4.059	0.000	94	35173	500.0	536.1	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	90	83184	20.0	22.1	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	95334	20.0	21.5	
74 Ethyl acrylate	55	4.209	4.216	-0.007	80	88993	20.0	22.7	
* 76 1,4-Dioxane-d8	96	4.410	4.402	0.008	0	29486	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	94	35211	40.0	43.8	
78 1,4-Dioxane	88	4.438	4.424	0.014	97	14826	400.0	416.4	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	100403	20.0	22.2	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	96	41564	20.0	20.5	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	117687	20.0	22.3	
$ 82 Toluene-d8 (Surr)	98	5.054	5.047	0.007	99	655886	50.0	47.8	
83 Toluene	91	5.105	5.104	0.001	93	339874	20.0	21.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Epichlorohydrin	57	5.133	5.133	0.000	99	130991	400.0	446.7	
85 2-Nitropropane	41	5.355	5.355	0.000	98	28935	40.0	39.9	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	71706	20.0	21.4	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.570	0.007	98	367232	100.0	111.0	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	94	107190	20.0	22.2	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	95	55107	20.0	21.5	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	86387	20.0	21.0	
91 Chlorodibromomethane	129	5.978	5.971	0.007	98	63263	20.0	20.8	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	97	116160	20.0	22.1	
93 Ethylene Dibromide	107	6.222	6.222	0.000	99	60128	20.0	21.1	
94 n-Butyl acetate	43	6.573	6.573	0.000	99	95561	20.0	22.2	
95 2-Hexanone	43	6.630	6.630	0.000	98	255658	100.0	113.1	
* 96 Chlorobenzene-d5	117	6.910	6.909	0.001	88	515010	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	91	204889	20.0	21.7	
98 Ethylbenzene	106	7.017	7.017	0.000	99	108589	20.0	22.2	
99 1,1,1,2-Tetrachloroethane	131	7.046	7.046	0.000	93	63556	20.0	21.3	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	130126	20.0	21.3	
101 o-Xylene	106	7.819	7.819	0.000	93	125249	20.0	21.7	
102 Bromoform	173	7.884	7.884	0.000	95	35920	20.0	20.5	
103 Styrene	104	7.905	7.905	0.000	94	212305	20.0	21.7	
104 n-Butyl acrylate	73	8.235	8.235	0.000	95	43416	20.0	21.0	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	313431	20.0	22.9	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	120318	20.0	22.7	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	201532	50.0	47.7	
108 Bromobenzene	156	8.786	8.779	0.007	97	87129	20.0	22.2	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	371308	20.0	22.9	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	81718	20.0	22.3	
111 2-Chlorotoluene	91	9.109	9.109	0.000	96	284591	20.0	23.0	
112 4-Ethyltoluene	105	9.130	9.130	0.000	99	312775	20.0	23.2	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	23112	20.0	21.4	
114 1,3,5-Trimethylbenzene	105	9.281	9.280	0.001	93	255334	20.0	22.2	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	73	20304	20.0	23.0	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	264095	20.0	22.6	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	188753	20.0	22.1	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	97	267616	20.0	23.2	
119 Butyl Methacrylate	87	9.889	9.889	0.000	98	82560	20.0	16.5	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	272493	20.0	22.9	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	157188	20.0	22.8	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	223112	20.0	22.6	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	97	280712	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	93	165636	20.0	22.2	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	284932	20.0	22.8	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	282057	20.0	22.7	
127 Benzyl chloride	126	10.914	10.914	0.000	96	17664	20.0	15.9	
128 p-Diethylbenzene	119	10.928	10.935	-0.007	91	119215	20.0	23.2	
129 n-Butylbenzene	91	11.014	11.014	0.000	98	204458	20.0	23.4	
130 1,2-Dichlorobenzene	146	11.122	11.121	0.001	95	157835	20.0	22.8	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	204197	20.0	23.0	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	90	12259	20.0	22.3	
133 1,3,5-Trichlorobenzene	180	12.268	12.267	0.001	97	94140	20.0	23.1	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	85174	20.0	23.0	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	35229	20.0	23.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 Naphthalene	128	13.242	13.242	0.000	99	189386	20.0	22.5	
137 1,2,3-Trichlorobenzene	180	13.414	13.414	0.000	96	79889	20.0	22.9	
S 138 1,2-Dichloroethene, Total	100				0		40.0	44.8	
S 139 1,3-Dichloropropene, Total	100				0		40.0	44.5	
S 140 Xylenes, Total	100				0		40.0	43.0	
S 142 Total BTEX	1				0		100.0	109.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00332	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

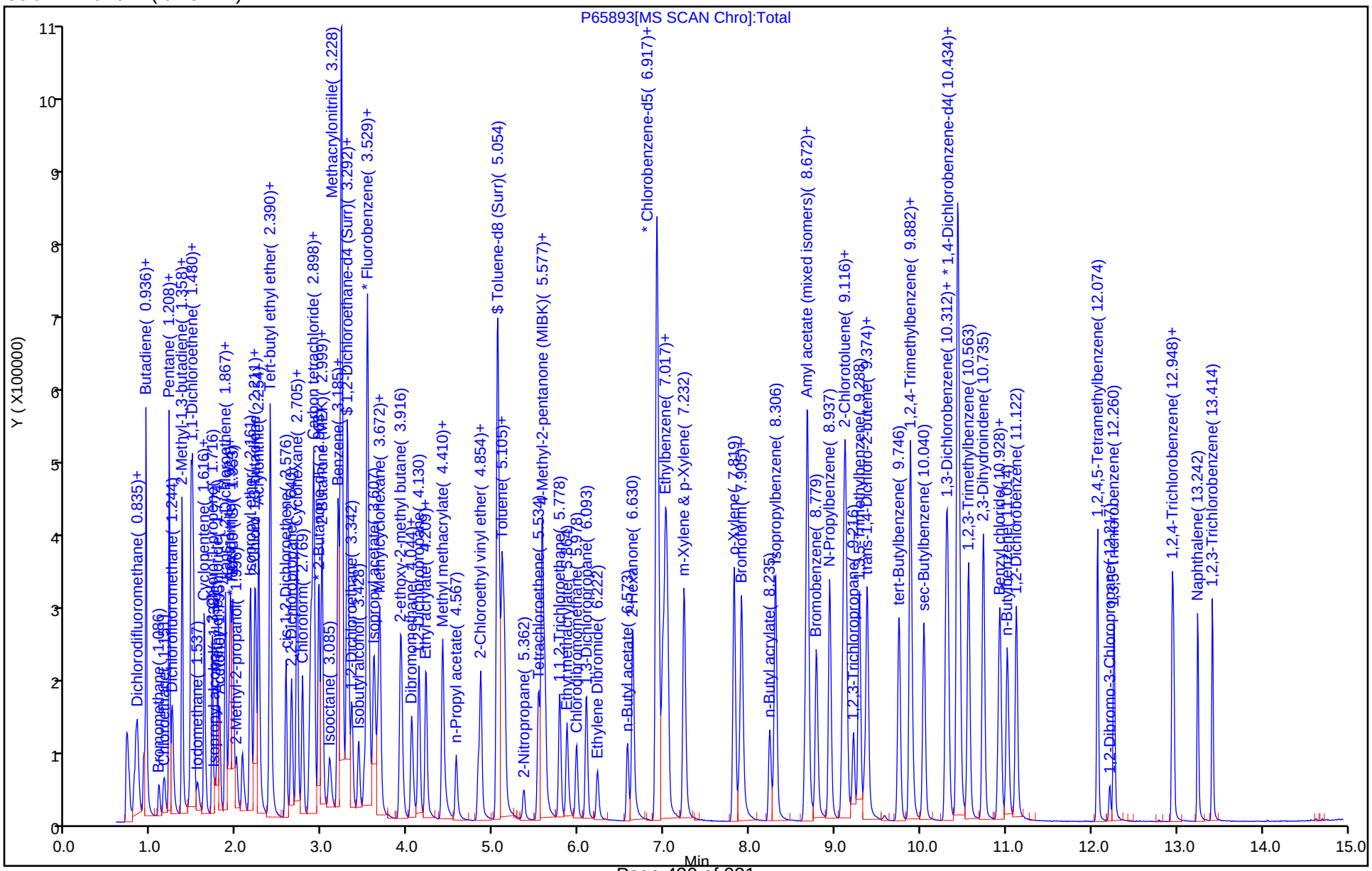
Report Date: 16-Sep-2019 09:54:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190916-97638.b\P65893.D

Injection Date:	16-Sep-2019 08:19:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639801/5

Matrix: Water Lab File ID: P65922.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 09:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.3		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.9		1.0	0.43
75-34-3	1,1-Dichloroethane	24.1		1.0	0.26
75-35-4	1,1-Dichloroethene	20.3		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	23.0		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	24.3		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.2		1.0	0.43
107-06-2	1,2-Dichloroethane	20.2		1.0	0.43
78-87-5	1,2-Dichloropropane	21.5		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.4		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.9		1.0	0.33
78-93-3	2-Butanone (MEK)	95.4		5.0	1.9
591-78-6	2-Hexanone	110		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	106		5.0	1.3
67-64-1	Acetone	118		5.0	4.4
71-43-2	Benzene	21.3		1.0	0.20
75-25-2	Bromoform	21.3		1.0	0.54
74-83-9	Bromomethane	18.5		1.0	0.55
75-15-0	Carbon disulfide	20.7		1.0	0.82
56-23-5	Carbon tetrachloride	19.1		1.0	0.21
108-90-7	Chlorobenzene	20.8		1.0	0.38
124-48-1	Chlorodibromomethane	19.6		1.0	0.28
75-00-3	Chloroethane	23.5		1.0	0.32
67-66-3	Chloroform	21.5		1.0	0.33
74-87-3	Chloromethane	21.0		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.6		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	22.0		1.0	0.22
110-82-7	Cyclohexane	17.7		1.0	0.32
75-27-4	Dichlorobromomethane	20.4		1.0	0.34
75-71-8	Dichlorodifluoromethane	11.1		1.0	0.31
100-41-4	Ethylbenzene	21.3		1.0	0.30
106-93-4	Ethylene Dibromide	20.6		1.0	0.50
98-82-8	Isopropylbenzene	21.9		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639801/5

Matrix: Water Lab File ID: P65922.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 09:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	37.4		5.0	0.79
1634-04-4	Methyl tert-butyl ether	24.0		1.0	0.47
108-87-2	Methylcyclohexane	16.6		1.0	0.26
75-09-2	Methylene Chloride	22.1		1.0	0.32
100-42-5	Styrene	20.6		1.0	0.42
127-18-4	Tetrachloroethene	20.6		1.0	0.25
108-88-3	Toluene	21.0		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	23.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.7		1.0	0.49
79-01-6	Trichloroethene	20.9		1.0	0.31
75-69-4	Trichlorofluoromethane	19.1		1.0	0.32
75-01-4	Vinyl chloride	24.1		1.0	0.17
1330-20-7	Xylenes, Total	41.8		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	97		77-124
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65922.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 17-Sep-2019 09:37:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0097690-005
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 10:58:36 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: desais Date: 17-Sep-2019 10:47:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.757	0.757	0.000	27	532	20.0	7.18	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	87	9777	20.0	15.6	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	41544	20.0	11.1	
4 1,1-Difluoroethane	65	0.821	0.821	0.000	96	31788	20.0	18.5	
5 Chlorodifluoromethane	67	0.843	0.835	0.008	96	11319	20.0	15.8	a
6 Chloromethane	50	0.921	0.914	0.007	82	78533	20.0	21.0	
8 Butadiene	54	0.936	0.936	0.000	97	90236	20.0	22.1	
7 Vinyl chloride	62	0.943	0.943	0.000	98	101707	20.0	24.1	
9 Bromomethane	94	1.086	1.086	0.000	99	25468	20.0	18.5	
10 Chloroethane	64	1.143	1.151	-0.008	100	50395	20.0	23.5	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	97	81098	20.0	19.1	
11 Pentane	72	1.208	1.208	0.000	96	11593	40.0	18.8	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	138905	20.0	23.6	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	96	81634	20.0	20.1	
15 Ethyl ether	59	1.365	1.365	0.000	92	63907	20.0	24.0	
16 Ethanol	46	1.444	1.444	0.000	100	18683	800.0	841.2	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	84	103431	20.0	23.2	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	49096	20.0	20.3	
19 Carbon disulfide	76	1.480	1.480	0.000	100	190199	20.0	20.7	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	93	42485	20.0	17.7	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	95	100124	20.0	23.9	
22 Iodomethane	142	1.537	1.537	0.000	99	35387	20.0	10.3	
23 Cyclopentene	67	1.616	1.616	0.000	97	149571	20.0	20.1	
24 Acrolein	56	1.638	1.638	0.000	94	15693	40.0	49.8	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	90	40755	20.0	23.7	
26 Isopropyl alcohol	45	1.745	1.745	0.000	96	49568	200.0	202.4	
27 Methylene Chloride	84	1.774	1.774	0.000	98	74889	20.0	22.1	
28 Acetone	43	1.802	1.802	0.000	85	111983	100.0	118.1	
29 trans-1,2-Dichloroethene	96	1.860	1.867	-0.007	98	65008	20.0	23.0	
30 Methyl acetate	43	1.874	1.874	0.000	99	114085	40.0	37.4	
31 Hexane	86	1.910	1.910	0.000	85	8427	20.0	16.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	208435	20.0	24.0	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	305073	1000.0	1000.0	
34 2-Methyl-2-propanol	59	1.996	1.996	0.000	99	67748	200.0	199.1	
35 Acetonitrile	41	2.067	2.067	0.000	98	105817	200.0	217.8	a
36 Isopropyl ether	45	2.161	2.161	0.000	97	309748	20.0	25.2	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	94	59431	20.0	22.9	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	146048	20.0	24.1	
39 Acrylonitrile	53	2.254	2.254	0.000	94	307219	200.0	254.5	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	89	248309	20.0	22.4	
41 Vinyl acetate	43	2.390	2.390	0.000	100	369967	40.0	56.5	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	74478	20.0	21.6	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	97	101995	20.0	22.5	
44 Cyclohexane	56	2.705	2.705	0.000	95	86373	20.0	17.7	
45 Chlorobromomethane	128	2.705	2.705	0.000	99	34634	20.0	20.9	
46 Chloroform	83	2.769	2.769	0.000	98	125541	20.0	21.5	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	73848	20.0	19.1	
48 Ethyl acetate	70	2.870	2.870	0.000	97	16342	40.0	41.3	
49 Methyl acrylate	55	2.870	2.870	0.000	53	60547	20.0	21.8	
50 Tetrahydrofuran	42	2.884	2.877	0.007	94	57269	40.0	42.8	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	148989	50.0	48.7	
52 1,1,1-Trichloroethane	97	2.905	2.906	-0.001	99	96396	20.0	20.3	
* 53 2-Butanone-d5	46	2.956	2.956	0.000	0	371402	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.991	0.008	98	40689	100.0	95.4	
55 1,1-Dichloropropene	75	2.999	2.999	0.000	78	97242	20.0	20.2	
56 Isooctane	57	3.085	3.085	0.000	98	92167	20.0	16.5	
57 n-Heptane	57	3.178	3.178	0.000	93	23291	20.0	15.9	
58 Benzene	78	3.185	3.185	0.000	97	298928	20.0	21.3	
59 Propionitrile	54	3.206	3.206	0.000	98	101817	200.0	184.4	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	291710	200.0	237.3	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	192911	50.0	48.5	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	197333	20.0	21.4	
63 1,2-Dichloroethane	62	3.342	3.342	0.000	97	97349	20.0	20.2	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	61120	500.0	431.3	
65 t-Amyl alcohol	59	3.493	3.493	0.000	93	38328	200.0	175.0	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	676660	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	98	138590	20.0	21.6	
68 Methylcyclohexane	83	3.650	3.658	-0.008	93	59061	20.0	16.6	
69 Trichloroethene	130	3.672	3.672	0.000	98	68437	20.0	20.9	
70 2-ethoxy-2-methyl butane	59	3.915	3.923	-0.008	91	169901	20.0	20.0	
71 Dibromomethane	93	4.037	4.044	-0.007	96	40932	20.0	21.1	
72 n-Butanol	56	4.059	4.059	0.000	92	33706	500.0	436.8	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	90	78131	20.0	21.5	
74 Ethyl acrylate	55	4.216	4.209	0.007	83	84401	20.0	22.4	
75 Dichlorobromomethane	83	4.216	4.216	0.000	98	87250	20.0	20.4	
* 76 1,4-Dioxane-d8	96	4.395	4.403	-0.008	0	29854	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	93	34500	40.0	44.5	
78 1,4-Dioxane	88	4.431	4.431	0.000	97	15695	400.0	435.4	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	95191	20.0	21.8	
80 2-Chloroethyl vinyl ether	63	4.825	4.825	0.000	97	40383	20.0	20.6	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	96	112532	20.0	22.0	
$ 82 Toluene-d8 (Surr)	98	5.047	5.054	-0.007	99	631995	50.0	47.6	
83 Toluene	91	5.105	5.105	0.000	93	315614	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Epichlorohydrin	57	5.133	5.133	0.000	99	125383	400.0	427.9	
85 2-Nitropropane	41	5.362	5.355	0.007	100	26924	40.0	38.5	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	66981	20.0	20.6	
87 4-Methyl-2-pentanone (MIBK	43	5.570	5.570	0.000	98	349325	100.0	105.7	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	94	101694	20.0	21.7	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	95	51920	20.0	20.9	
90 Ethyl methacrylate	69	5.864	5.864	0.000	90	83917	20.0	21.1	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	57568	20.0	19.6	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	109619	20.0	21.5	
93 Ethylene Dibromide	107	6.215	6.222	-0.007	98	56978	20.0	20.6	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	93706	20.0	22.4	
95 2-Hexanone	43	6.630	6.630	0.000	98	249504	100.0	110.5	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	89	499156	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	190756	20.0	20.8	
98 Ethylbenzene	106	7.017	7.017	0.000	99	101163	20.0	21.3	
99 1,1,1,2-Tetrachloroethane	131	7.039	7.046	-0.007	93	59343	20.0	20.5	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	123048	20.0	20.8	
101 o-Xylene	106	7.819	7.819	0.000	93	117592	20.0	21.0	
102 Bromoform	173	7.884	7.884	0.000	95	36248	20.0	21.3	
103 Styrene	104	7.905	7.905	0.000	94	195058	20.0	20.6	
104 n-Butyl acrylate	73	8.235	8.242	-0.007	95	43160	20.0	21.6	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	291378	20.0	21.9	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	89	114799	20.0	22.5	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	88	197791	50.0	48.3	
108 Bromobenzene	156	8.786	8.779	0.007	97	82934	20.0	21.8	
109 N-Propylbenzene	91	8.937	8.937	0.000	99	343705	20.0	21.9	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	76478	20.0	21.6	
111 2-Chlorotoluene	91	9.109	9.109	0.000	96	263230	20.0	22.1	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	293303	20.0	22.5	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	21762	20.0	20.8	
114 1,3,5-Trimethylbenzene	105	9.281	9.288	-0.007	93	240819	20.0	21.7	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	84	19546	20.0	22.9	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	250014	20.0	22.1	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	177873	20.0	21.6	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	250866	20.0	22.5	
119 Butyl Methacrylate	87	9.889	9.889	0.000	98	78837	20.0	16.3	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	255026	20.0	22.2	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	149189	20.0	22.4	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	211954	20.0	22.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	271082	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	157538	20.0	21.9	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	266961	20.0	22.2	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	268854	20.0	22.4	
127 Benzyl chloride	126	10.914	10.914	0.000	96	19419	20.0	18.1	
128 p-Diethylbenzene	119	10.935	10.935	0.000	91	110317	20.0	22.2	
129 n-Butylbenzene	91	11.014	11.021	-0.007	98	191561	20.0	22.7	
130 1,2-Dichlorobenzene	146	11.122	11.122	0.000	96	147981	20.0	22.2	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	195381	20.0	22.8	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	91	12946	20.0	24.3	
133 1,3,5-Trichlorobenzene	180	12.268	12.268	0.000	97	90205	20.0	22.9	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	82557	20.0	23.0	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	32286	20.0	22.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 Naphthalene	128	13.242	13.242	0.000	99	187054	20.0	23.0	
137 1,2,3-Trichlorobenzene	180	13.414	13.421	-0.007	95	77595	20.0	23.0	
S 138 1,2-Dichloroethene, Total	100				0		40.0	44.6	
S 139 1,3-Dichloropropene, Total	100				0		40.0	43.7	
S 140 Xylenes, Total	100				0		40.0	41.8	
S 142 Total BTEX	1				0		100.0	105.3	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Sep-2019 10:58:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65922.D

Injection Date: 17-Sep-2019 09:37:30 Instrument ID: CVOAMS13 Operator ID:

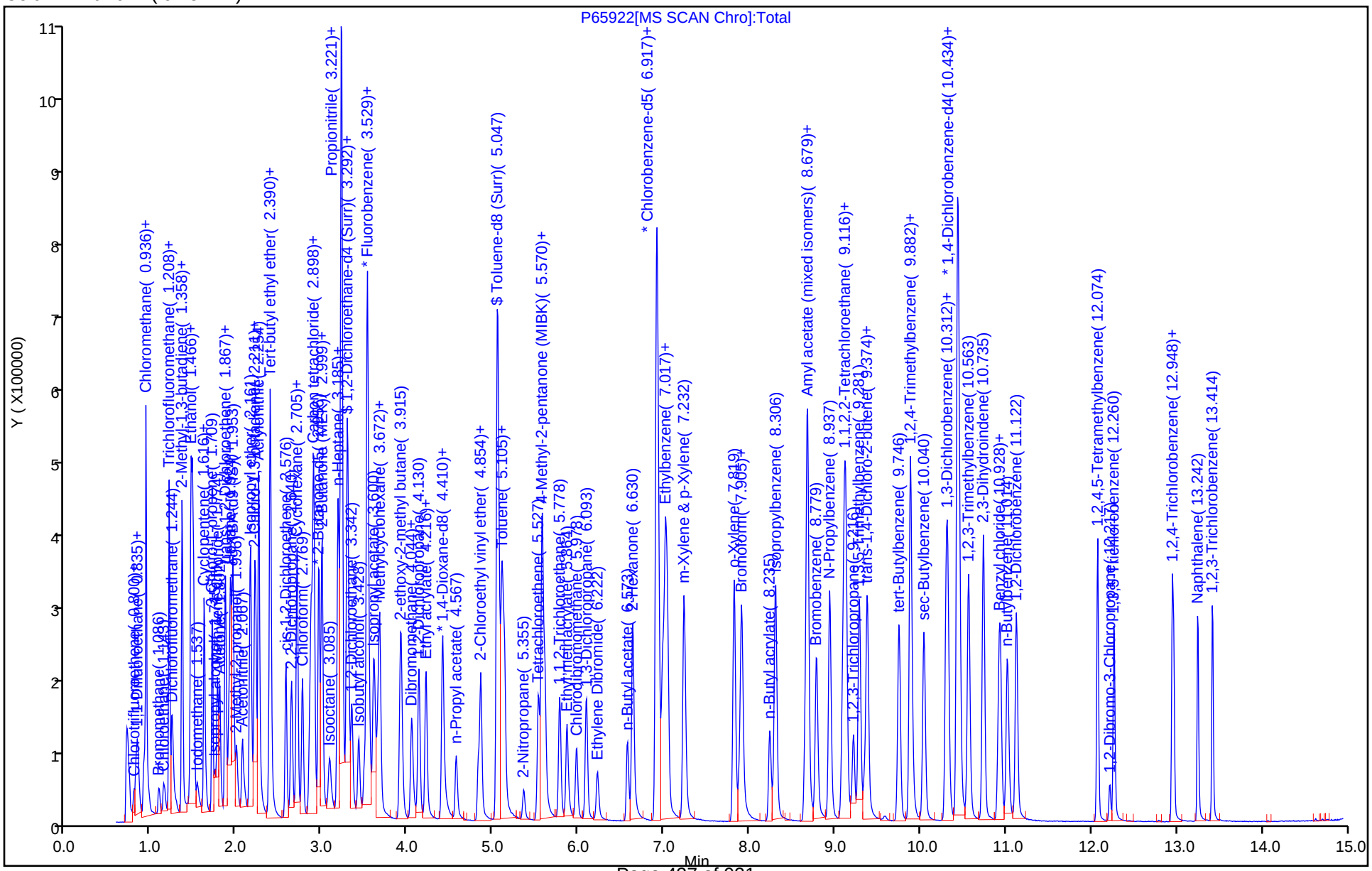
Lims ID: LCSD Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260W_13 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MS Lab Sample ID: 460-191351-2 MS

Matrix: Water Lab File ID: P65943.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 18:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.7		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.0		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.2		1.0	0.43
75-34-3	1,1-Dichloroethane	22.5		1.0	0.26
75-35-4	1,1-Dichloroethene	19.1		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	19.7		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	21.7		1.0	0.38
95-50-1	1,2-Dichlorobenzene	20.6		1.0	0.43
107-06-2	1,2-Dichloroethane	18.8		1.0	0.43
78-87-5	1,2-Dichloropropane	19.8		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.2		1.0	0.34
106-46-7	1,4-Dichlorobenzene	19.8		1.0	0.33
78-93-3	2-Butanone (MEK)	90.5		5.0	1.9
591-78-6	2-Hexanone	100		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	98.4		5.0	1.3
67-64-1	Acetone	107		5.0	4.4
71-43-2	Benzene	19.3		1.0	0.20
75-25-2	Bromoform	20.8		1.0	0.54
74-83-9	Bromomethane	13.2		1.0	0.55
75-15-0	Carbon disulfide	18.6		1.0	0.82
56-23-5	Carbon tetrachloride	17.6		1.0	0.21
108-90-7	Chlorobenzene	19.4		1.0	0.38
124-48-1	Chlorodibromomethane	18.9		1.0	0.28
75-00-3	Chloroethane	20.7		1.0	0.32
67-66-3	Chloroform	20.3		1.0	0.33
74-87-3	Chloromethane	18.8		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.2		1.0	0.22
110-82-7	Cyclohexane	14.7		1.0	0.32
75-27-4	Dichlorobromomethane	19.5		1.0	0.34
75-71-8	Dichlorodifluoromethane	14.9		1.0	0.31
100-41-4	Ethylbenzene	19.5		1.0	0.30
106-93-4	Ethylene Dibromide	19.3		1.0	0.50
98-82-8	Isopropylbenzene	19.6		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MS Lab Sample ID: 460-191351-2 MS

Matrix: Water Lab File ID: P65943.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 18:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	32.4		5.0	0.79
1634-04-4	Methyl tert-butyl ether	22.1		1.0	0.47
108-87-2	Methylcyclohexane	14.2		1.0	0.26
75-09-2	Methylene Chloride	20.2		1.0	0.32
100-42-5	Styrene	18.6		1.0	0.42
127-18-4	Tetrachloroethene	18.8		1.0	0.25
108-88-3	Toluene	19.0		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.1		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.7		1.0	0.49
79-01-6	Trichloroethene	20.4		1.0	0.31
75-69-4	Trichlorofluoromethane	21.0		1.0	0.32
75-01-4	Vinyl chloride	23.0		1.0	0.17
1330-20-7	Xylenes, Total	37.3		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65943.D
Lims ID: 460-191351-C-2 MS
Client ID: MW-17D 091019
Sample Type: MS
Inject. Date: 17-Sep-2019 18:24:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-C-2 MS
Misc. Info.: 460-0097690-026
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 11:36:14 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:19:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.721	0.757	-0.036	60	573	20.0	8.19	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	84	3730	20.0	6.30	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	99	53004	20.0	14.9	
4 1,1-Difluoroethane	65	0.828	0.821	0.007	92	22618	20.0	13.9	
5 Chlorodifluoromethane	67	0.842	0.835	0.007	96	9210	20.0	13.6	a
6 Chloromethane	50	0.921	0.914	0.007	82	66401	20.0	18.8	
8 Butadiene	54	0.936	0.936	0.000	97	82418	20.0	21.4	
7 Vinyl chloride	62	0.943	0.943	0.000	69	91537	20.0	23.0	
9 Bromomethane	94	1.086	1.086	0.000	96	17403	20.0	13.2	M
10 Chloroethane	64	1.150	1.151	-0.001	99	42040	20.0	20.7	
12 Trichlorofluoromethane	101	1.215	1.208	0.007	98	83900	20.0	21.0	
11 Pentane	72	1.208	1.208	0.000	96	9167	40.0	15.0	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	99	124055	20.0	22.4	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	97	65336	20.0	17.1	
15 Ethyl ether	59	1.365	1.365	0.000	98	56495	20.0	22.5	
16 Ethanol	46	1.451	1.444	0.007	99	18955	800.0	868.5	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	75	82532	20.0	19.6	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	43497	20.0	19.1	
19 Carbon disulfide	76	1.480	1.480	0.000	100	161244	20.0	18.6	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	92	36730	20.0	16.2	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	94	77193	20.0	19.5	a
22 Iodomethane	142	1.537	1.537	0.000	99	15897	20.0	4.88	
23 Cyclopentene	67	1.616	1.616	0.000	97	122513	20.0	17.4	
24 Acrolein	56	1.638	1.638	0.000	93	15303	40.0	49.5	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	91	33997	20.0	20.9	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	92918	200.0	386.1	
27 Methylene Chloride	84	1.774	1.774	0.000	99	64601	20.0	20.2	
28 Acetone	43	1.802	1.802	0.000	86	97306	100.0	107.4	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	56488	20.0	21.1	
30 Methyl acetate	43	1.874	1.874	0.000	99	97152	40.0	32.4	
31 Hexane	86	1.910	1.910	0.000	77	6148	20.0	12.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	96	181276	20.0	22.1	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	299789	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	98	63220	200.0	189.0	
35 Acetonitrile	41	2.067	2.067	0.000	99	96763	200.0	202.7	a
36 Isopropyl ether	45	2.160	2.161	-0.001	96	266126	20.0	22.9	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	93	49502	20.0	20.2	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	128499	20.0	22.5	
39 Acrylonitrile	53	2.254	2.254	0.000	94	282456	200.0	247.9	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	87	207759	20.0	19.8	
41 Vinyl acetate	43	2.390	2.390	0.000	100	287209	40.0	46.5	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	94	65531	20.0	20.2	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	69294	20.0	16.2	
44 Cyclohexane	56	2.705	2.705	0.000	94	67936	20.0	14.7	
45 Chlorobromomethane	128	2.705	2.705	0.000	96	31594	20.0	20.2	
46 Chloroform	83	2.769	2.769	0.000	98	111875	20.0	20.3	
47 Carbon tetrachloride	117	2.855	2.855	0.000	97	64436	20.0	17.6	
48 Ethyl acetate	70	2.870	2.870	0.000	97	14137	40.0	37.4	
49 Methyl acrylate	55	2.870	2.870	0.000	54	54551	20.0	20.8	
50 Tetrahydrofuran	42	2.877	2.877	0.000	93	48088	40.0	37.6	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	142833	50.0	49.4	
52 1,1,1-Trichloroethane	97	2.898	2.906	-0.008	99	83927	20.0	18.7	
* 53 2-Butanone-d5	46	2.963	2.956	0.007	0	354790	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.991	0.007	98	36870	100.0	90.5	
55 1,1-Dichloropropene	75	2.999	2.999	-0.001	77	85399	20.0	18.8	
56 Isooctane	57	3.084	3.085	-0.001	97	61217	20.0	11.6	
57 n-Heptane	57	3.178	3.178	0.000	91	17590	20.0	12.8	
58 Benzene	78	3.185	3.185	0.000	97	261489	20.0	19.3	
59 Propionitrile	54	3.206	3.206	0.000	95	92953	200.0	171.3	
60 Methacrylonitrile	67	3.228	3.228	0.000	94	266800	200.0	229.9	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	182690	50.0	48.7	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	96	165812	20.0	19.0	
63 1,2-Dichloroethane	62	3.350	3.342	0.008	97	85354	20.0	18.8	
64 Isobutyl alcohol	43	3.428	3.428	0.000	99	53687	500.0	385.5	
65 t-Amyl alcohol	59	3.493	3.493	0.000	91	35000	200.0	162.6	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	638779	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	99	115583	20.0	19.1	
68 Methylcyclohexane	83	3.650	3.658	-0.008	94	47652	20.0	14.2	
69 Trichloroethene	130	3.672	3.672	0.000	98	63089	20.0	20.4	
70 2-ethoxy-2-methyl butane	59	3.923	3.923	0.000	90	133347	20.0	16.7	
71 Dibromomethane	93	4.044	4.044	0.000	97	37456	20.0	20.5	
72 n-Butanol	56	4.059	4.059	0.000	93	30527	500.0	403.7	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	89	67973	20.0	19.8	
74 Ethyl acrylate	55	4.216	4.209	0.007	79	72494	20.0	20.4	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	78835	20.0	19.5	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	27109	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	93	30435	40.0	41.6	
78 1,4-Dioxane	88	4.424	4.431	-0.007	96	13649	400.0	416.9	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	78019	20.0	18.9	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	95	89521	20.0	18.2	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	594186	50.0	46.5	
83 Toluene	91	5.104	5.105	-0.001	94	275297	20.0	19.0	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	64013	400.0	228.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Nitropropane	41	5.355	5.355	0.000	99	24183	40.0	36.7	
86 Tetrachloroethene	166	5.534	5.534	0.000	97	58777	20.0	18.8	
87 4-Methyl-2-pentanone (MIBK	43	5.577	5.570	0.007	98	310706	100.0	98.4	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	93	84194	20.0	18.7	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	95	48184	20.0	20.2	
90 Ethyl methacrylate	69	5.864	5.864	0.000	90	73106	20.0	19.5	
91 Chlorodibromomethane	129	5.978	5.978	0.000	98	53633	20.0	18.9	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	95	98253	20.0	20.0	
93 Ethylene Dibromide	107	6.222	6.222	0.000	100	51492	20.0	19.3	
94 n-Butyl acetate	43	6.573	6.573	0.000	97	71242	20.0	17.9	
95 2-Hexanone	43	6.630	6.630	0.000	97	216718	100.0	100.5	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	480268	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	93	170480	20.0	19.4	
98 Ethylbenzene	106	7.017	7.017	0.000	99	89113	20.0	19.5	
99 1,1,1,2-Tetrachloroethane	131	7.038	7.046	-0.008	94	54662	20.0	19.6	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	106271	20.0	18.6	
101 o-Xylene	106	7.819	7.819	0.000	93	100611	20.0	18.7	
102 Bromoform	173	7.884	7.884	0.000	96	33929	20.0	20.8	
103 Styrene	104	7.905	7.905	0.000	96	168888	20.0	18.6	
104 n-Butyl acrylate	73	8.235	8.242	-0.007	96	35907	20.0	18.8	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	250709	20.0	19.6	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	90	86872	20.0	17.7	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	90	193060	50.0	49.0	
108 Bromobenzene	156	8.786	8.779	0.007	99	73648	20.0	20.0	
109 N-Propylbenzene	91	8.937	8.937	0.000	99	290696	20.0	19.1	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	71957	20.0	21.0	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	227005	20.0	19.6	
112 4-Ethyltoluene	105	9.130	9.130	0.000	99	251710	20.0	19.9	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	21329	20.0	21.1	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	93	207422	20.0	19.3	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	82	15961	20.0	19.4	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	215932	20.0	19.7	
117 tert-Butylbenzene	119	9.753	9.746	0.007	93	149231	20.0	18.7	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	97	216666	20.0	20.0	
119 Butyl Methacrylate	87	9.889	9.889	0.000	93	64150	20.0	13.7	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	215766	20.0	19.4	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	96	130074	20.0	20.2	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	177519	20.0	19.2	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	262637	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	93	138307	20.0	19.8	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	230236	20.0	19.7	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	234646	20.0	20.1	
127 Benzyl chloride	126	10.914	10.914	0.000	97	11909	20.0	11.5	
128 p-Diethylbenzene	119	10.928	10.935	-0.007	92	91901	20.0	19.1	
129 n-Butylbenzene	91	11.014	11.021	-0.007	98	156256	20.0	19.1	
130 1,2-Dichlorobenzene	146	11.121	11.122	-0.001	95	133111	20.0	20.6	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	154475	20.0	18.6	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	93	11191	20.0	21.7	
133 1,3,5-Trichlorobenzene	180	12.267	12.268	-0.001	97	76460	20.0	20.0	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	93	68564	20.0	19.7	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	25565	20.0	18.5	
136 Naphthalene	128	13.242	13.242	0.000	99	145925	20.0	18.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 1,2,3-Trichlorobenzene	180	13.414	13.421	-0.007	96	64963	20.0	19.9	
S 138 1,2-Dichloroethene, Total	100				0		40.0	41.3	
S 139 1,3-Dichloropropene, Total	100				0		40.0	36.9	
S 140 Xylenes, Total	100				0		40.0	37.3	
S 142 Total BTEX	1				0		100.0	95.2	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

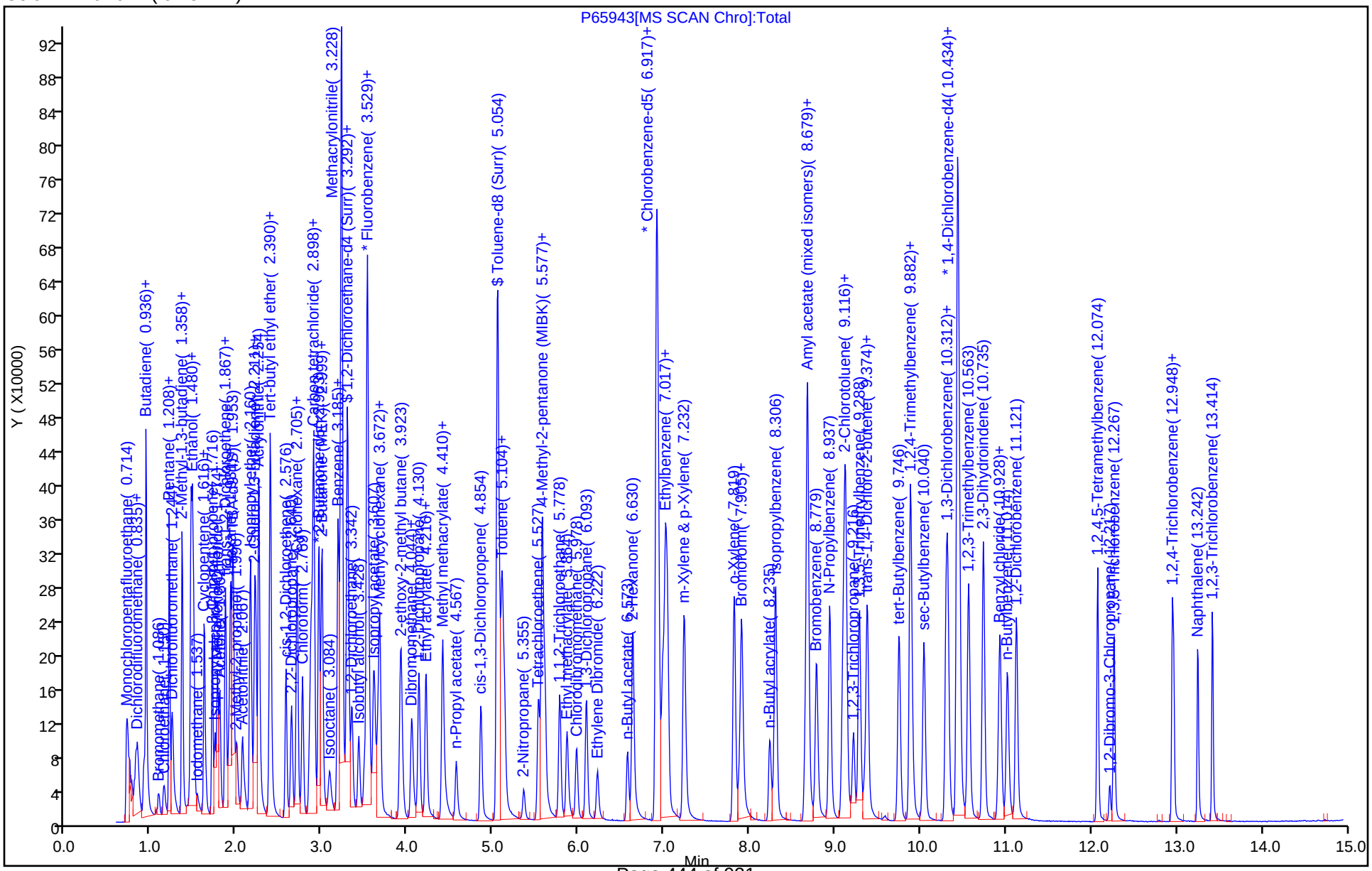
Report Date: 18-Sep-2019 11:36:16 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65943.D

Injection Date:	17-Sep-2019 18:24:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-C-2 MS			Worklist Smp#:	26
Client ID:	MW-17D 091019				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

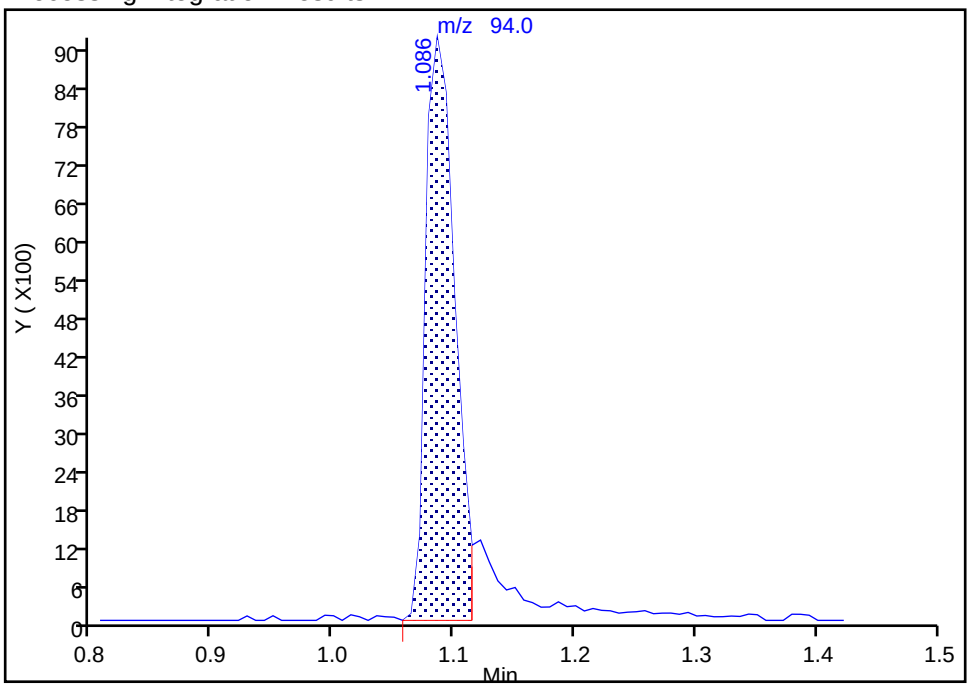
Data File:	\\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65943.D		
Injection Date:	17-Sep-2019 18:24:30	Instrument ID:	CVOAMS13
Lims ID:	460-191351-C-2 MS		
Client ID:	MW-17D 091019		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

9 Bromomethane, CAS: 74-83-9

Signal: 1

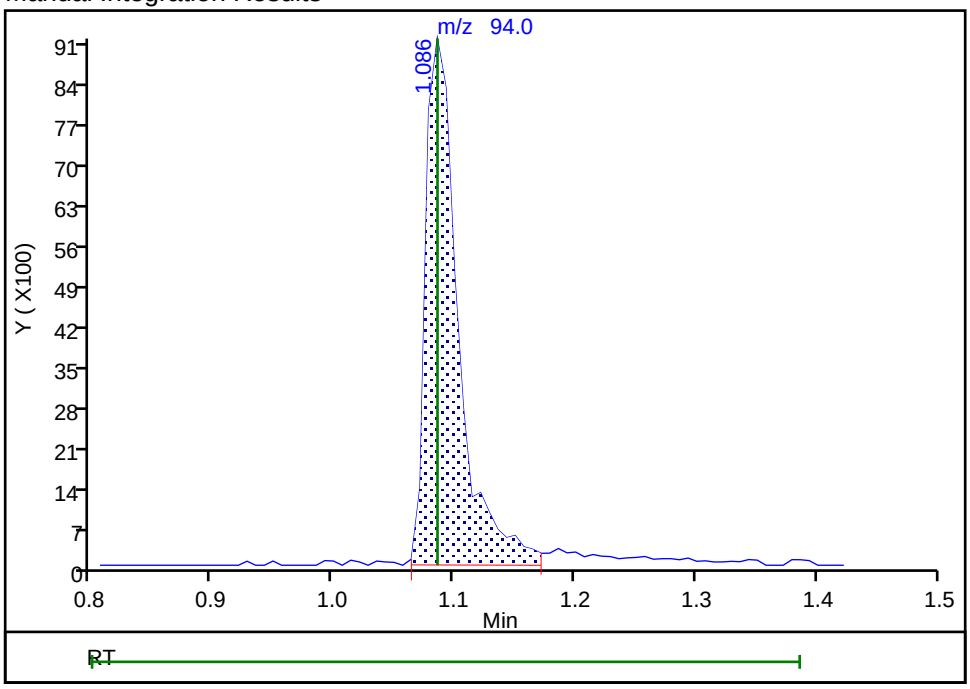
Processing Integration Results

RT: 1.09
Area: 15437
Amount: 11.709023
Amount Units: ug/l



Manual Integration Results

RT: 1.09
Area: 17403
Amount: 13.200241
Amount Units: ug/l



Reviewer: xuyvo, 18-Sep-2019 11:36:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MSD Lab Sample ID: 460-191351-2 MSD

Matrix: Water Lab File ID: P65944.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 18:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.8		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.9		1.0	0.43
75-34-3	1,1-Dichloroethane	24.7		1.0	0.26
75-35-4	1,1-Dichloroethene	21.5		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	22.2		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	22.7		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.5		1.0	0.43
107-06-2	1,2-Dichloroethane	20.8		1.0	0.43
78-87-5	1,2-Dichloropropane	22.0		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.0		1.0	0.34
106-46-7	1,4-Dichlorobenzene	22.2		1.0	0.33
78-93-3	2-Butanone (MEK)	103		5.0	1.9
591-78-6	2-Hexanone	114		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	112		5.0	1.3
67-64-1	Acetone	117		5.0	4.4
71-43-2	Benzene	21.9		1.0	0.20
75-25-2	Bromoform	22.1		1.0	0.54
74-83-9	Bromomethane	17.4		1.0	0.55
75-15-0	Carbon disulfide	20.7		1.0	0.82
56-23-5	Carbon tetrachloride	19.5		1.0	0.21
108-90-7	Chlorobenzene	22.2		1.0	0.38
124-48-1	Chlorodibromomethane	20.4		1.0	0.28
75-00-3	Chloroethane	22.7		1.0	0.32
67-66-3	Chloroform	22.6		1.0	0.33
74-87-3	Chloromethane	21.6		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.5		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.2		1.0	0.22
110-82-7	Cyclohexane	16.7		1.0	0.32
75-27-4	Dichlorobromomethane	21.3		1.0	0.34
75-71-8	Dichlorodifluoromethane	15.9		1.0	0.31
100-41-4	Ethylbenzene	21.9		1.0	0.30
106-93-4	Ethylene Dibromide	21.1		1.0	0.50
98-82-8	Isopropylbenzene	22.2		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MSD Lab Sample ID: 460-191351-2 MSD

Matrix: Water Lab File ID: P65944.D

Analysis Method: 8260C Date Collected: 09/10/2019 15:05

Sample wt/vol: 5(mL) Date Analyzed: 09/17/2019 18:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 639801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	36.1		5.0	0.79
1634-04-4	Methyl tert-butyl ether	24.4		1.0	0.47
108-87-2	Methylcyclohexane	15.9		1.0	0.26
75-09-2	Methylene Chloride	22.6		1.0	0.32
100-42-5	Styrene	21.4		1.0	0.42
127-18-4	Tetrachloroethene	21.3		1.0	0.25
108-88-3	Toluene	21.6		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	23.4		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.1		1.0	0.49
79-01-6	Trichloroethene	21.8		1.0	0.31
75-69-4	Trichlorofluoromethane	23.0		1.0	0.32
75-01-4	Vinyl chloride	25.2		1.0	0.17
1330-20-7	Xylenes, Total	42.5		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		74-132
460-00-4	4-Bromofluorobenzene	100		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65944.D
Lims ID: 460-191351-C-2 MSD
Client ID: MW-17D 091019
Sample Type: MSD
Inject. Date: 17-Sep-2019 18:49:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-191351-C-2 MSD
Misc. Info.: 460-0097690-027
Operator ID: Instrument ID: CVOAMS13

Method: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\8260W_13.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Sep-2019 11:07:21 Calib Date: 23-Aug-2019 13:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CVOAMS13\20190823-96522.b\P65052.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: sarmientod Date: 17-Sep-2019 20:20:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethan	119	0.756	0.757	-0.001	27	315	20.0	4.50	
2 Chlorotrifluoroethene	116	0.792	0.792	0.000	84	5264	20.0	8.89	
3 Dichlorodifluoromethane	85	0.814	0.814	0.000	98	56429	20.0	15.9	
4 1,1-Difluoroethane	65	0.828	0.821	0.007	94	26508	20.0	16.3	
5 Chlorodifluoromethane	67	0.842	0.835	0.007	97	10064	20.0	14.9	a
6 Chloromethane	50	0.914	0.914	0.000	97	76299	20.0	21.6	
8 Butadiene	54	0.936	0.936	0.000	97	92876	20.0	24.1	
7 Vinyl chloride	62	0.943	0.943	0.000	98	100510	20.0	25.2	
9 Bromomethane	94	1.086	1.086	0.000	98	22208	20.0	17.4	
10 Chloroethane	64	1.150	1.151	-0.001	99	45982	20.0	22.7	
12 Trichlorofluoromethane	101	1.208	1.208	0.000	98	91898	20.0	23.0	
11 Pentane	72	1.208	1.208	0.000	97	9725	40.0	16.5	
13 Dichlorofluoromethane	67	1.244	1.244	0.000	98	138343	20.0	24.9	
14 2-Methyl-1,3-butadiene	67	1.358	1.358	0.000	97	74289	20.0	19.4	
15 Ethyl ether	59	1.365	1.365	0.000	94	63517	20.0	25.3	
16 Ethanol	46	1.444	1.444	0.000	100	19685	800.0	935.1	
18 1,2-Dichloro-1,1,2-trifluo	67	1.466	1.466	0.000	74	90512	20.0	21.5	
17 1,1-Dichloroethene	96	1.466	1.466	0.000	94	49076	20.0	21.5	
19 Carbon disulfide	76	1.480	1.480	0.000	100	179628	20.0	20.7	
20 1,1,2-Trichloro-1,2,2-trif	101	1.487	1.487	0.000	96	38745	20.0	17.1	
21 1,1,1-Trifluoro-2,2-dichlo	83	1.494	1.494	0.000	93	86819	20.0	21.9	a
22 Iodomethane	142	1.537	1.537	0.000	100	28168	20.0	8.64	
23 Cyclopentene	67	1.616	1.616	0.000	97	139053	20.0	19.7	
24 Acrolein	56	1.638	1.638	0.000	94	16289	40.0	54.6	
25 3-Chloro-1-propene	76	1.716	1.716	0.000	91	37776	20.0	23.2	
26 Isopropyl alcohol	45	1.745	1.745	0.000	97	95488	200.0	411.4	
27 Methylene Chloride	84	1.774	1.774	0.000	99	72283	20.0	22.6	
28 Acetone	43	1.802	1.802	0.000	85	102506	100.0	117.2	
29 trans-1,2-Dichloroethene	96	1.867	1.867	0.000	98	62562	20.0	23.4	
30 Methyl acetate	43	1.874	1.874	0.000	99	104539	40.0	36.1	
31 Hexane	86	1.910	1.910	0.000	77	6799	20.0	14.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	1.931	1.931	0.000	97	200107	20.0	24.4	
* 33 TBA-d9 (IS)	65	1.953	1.953	0.000	0	289156	1000.0	1000.0	
34 2-Methyl-2-propanol	59	2.003	1.996	0.007	98	67669	200.0	209.8	
35 Acetonitrile	41	2.067	2.067	0.000	99	108904	200.0	236.5	a
36 Isopropyl ether	45	2.160	2.161	-0.001	97	299213	20.0	25.8	
37 2-Chloro-1,3-butadiene	88	2.211	2.211	0.000	93	54853	20.0	22.3	
38 1,1-Dichloroethane	63	2.225	2.225	0.000	99	141419	20.0	24.7	
39 Acrylonitrile	53	2.254	2.254	0.000	93	308497	200.0	270.7	
40 Tert-butyl ethyl ether	59	2.390	2.390	0.000	88	235405	20.0	22.5	
41 Vinyl acetate	43	2.390	2.390	0.000	100	323720	40.0	52.4	
42 cis-1,2-Dichloroethene	96	2.576	2.576	0.000	93	70053	20.0	21.5	
43 2,2-Dichloropropane	77	2.640	2.640	0.000	96	78413	20.0	18.3	
44 Cyclohexane	56	2.705	2.705	0.000	93	77082	20.0	16.7	
45 Chlorobromomethane	128	2.705	2.705	0.000	97	35127	20.0	22.5	
46 Chloroform	83	2.769	2.769	0.000	98	124216	20.0	22.6	
47 Carbon tetrachloride	117	2.855	2.855	0.000	98	71437	20.0	19.5	
48 Ethyl acetate	70	2.870	2.870	0.000	98	15075	40.0	41.3	
49 Methyl acrylate	55	2.870	2.870	0.000	96	57134	20.0	21.7	
50 Tetrahydrofuran	42	2.884	2.877	0.007	93	55524	40.0	44.9	
$ 51 Dibromofluoromethane (Surr	113	2.898	2.898	0.000	97	143463	50.0	49.6	
52 1,1,1-Trichloroethane	97	2.905	2.906	-0.001	96	93109	20.0	20.8	
* 53 2-Butanone-d5	46	2.963	2.956	0.007	0	342736	250.0	250.0	
54 2-Butanone (MEK)	72	2.999	2.991	0.007	98	40408	100.0	102.7	
55 1,1-Dichloropropene	75	2.999	2.999	-0.001	78	93482	20.0	20.5	
56 Isooctane	57	3.084	3.085	-0.001	97	67071	20.0	12.7	
57 n-Heptane	57	3.178	3.178	0.000	90	18152	20.0	13.2	
58 Benzene	78	3.185	3.185	0.000	97	294589	20.0	21.9	
59 Propionitrile	54	3.206	3.206	0.000	98	100376	200.0	191.8	
60 Methacrylonitrile	67	3.228	3.228	0.000	93	289362	200.0	249.3	
$ 61 1,2-Dichloroethane-d4 (Sur	65	3.292	3.292	0.000	0	174061	50.0	46.3	
62 Tert-amyl methyl ether	73	3.299	3.299	0.000	97	183726	20.0	21.1	
63 1,2-Dichloroethane	62	3.349	3.342	0.007	97	94258	20.0	20.8	
64 Isobutyl alcohol	43	3.428	3.428	0.000	98	58078	500.0	432.4	
65 t-Amyl alcohol	59	3.493	3.493	0.000	91	38850	200.0	187.2	
* 66 Fluorobenzene	96	3.529	3.529	0.000	98	638936	50.0	50.0	
67 Isopropyl acetate	43	3.600	3.600	0.000	99	124896	20.0	20.6	
68 Methylcyclohexane	83	3.658	3.658	0.000	95	53272	20.0	15.9	
69 Trichloroethene	130	3.672	3.672	0.000	97	67281	20.0	21.8	
70 2-ethoxy-2-methyl butane	59	3.923	3.923	0.000	91	154867	20.0	19.3	
71 Dibromomethane	93	4.044	4.044	0.000	97	40511	20.0	22.2	
72 n-Butanol	56	4.059	4.059	0.000	94	31722	500.0	433.8	
73 1,2-Dichloropropane	63	4.130	4.130	0.000	89	75244	20.0	22.0	
74 Ethyl acrylate	55	4.216	4.209	0.007	81	82766	20.0	23.2	
75 Dichlorobromomethane	83	4.216	4.216	0.000	99	86056	20.0	21.3	
* 76 1,4-Dioxane-d8	96	4.402	4.403	-0.001	0	29298	1000.0	1000.0	
77 Methyl methacrylate	100	4.410	4.410	0.000	94	32832	40.0	44.9	
78 1,4-Dioxane	88	4.431	4.431	0.000	98	14961	400.0	422.9	
79 n-Propyl acetate	43	4.567	4.567	0.000	99	87583	20.0	21.3	
81 cis-1,3-Dichloropropene	75	4.854	4.854	0.000	95	103895	20.0	21.2	
$ 82 Toluene-d8 (Surr)	98	5.054	5.054	0.000	99	605704	50.0	47.6	
83 Toluene	91	5.104	5.105	-0.001	93	311246	20.0	21.6	
84 Epichlorohydrin	57	5.133	5.133	0.000	99	64690	400.0	239.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Nitropropane	41	5.355	5.355	0.000	99	27078	40.0	41.0	
86 Tetrachloroethene	166	5.527	5.534	-0.007	98	66189	20.0	21.3	
87 4-Methyl-2-pentanone (MIBK	43	5.570	5.570	0.000	98	342240	100.0	112.2	
88 trans-1,3-Dichloropropene	75	5.606	5.606	0.000	93	94259	20.0	21.1	
89 1,1,2-Trichloroethane	83	5.778	5.778	0.000	94	51930	20.0	21.9	
90 Ethyl methacrylate	69	5.864	5.864	0.000	91	80077	20.0	21.3	
91 Chlorodibromomethane	129	5.971	5.978	-0.007	98	57314	20.0	20.4	
92 1,3-Dichloropropane	76	6.093	6.093	0.000	96	108750	20.0	22.3	
93 Ethylene Dibromide	107	6.222	6.222	0.000	98	55943	20.0	21.1	
94 n-Butyl acetate	43	6.573	6.573	0.000	98	80315	20.0	20.2	
95 2-Hexanone	43	6.630	6.630	0.000	97	237934	100.0	114.2	
* 96 Chlorobenzene-d5	117	6.910	6.910	0.000	88	477628	50.0	50.0	
97 Chlorobenzene	112	6.931	6.931	0.000	92	194237	20.0	22.2	
98 Ethylbenzene	106	7.017	7.017	0.000	99	99637	20.0	21.9	
99 1,1,1,2-Tetrachloroethane	131	7.038	7.046	-0.008	93	61027	20.0	22.0	
100 m-Xylene & p-Xylene	106	7.232	7.232	0.000	0	119662	20.0	21.1	
101 o-Xylene	106	7.819	7.819	0.000	93	114402	20.0	21.4	
102 Bromoform	173	7.884	7.884	0.000	96	35906	20.0	22.1	
103 Styrene	104	7.905	7.905	0.000	94	194153	20.0	21.4	
104 n-Butyl acrylate	73	8.235	8.242	-0.007	96	39806	20.0	20.8	
105 Isopropylbenzene	105	8.306	8.306	0.000	96	283017	20.0	22.2	
106 Amyl acetate (mixed isomer	43	8.650	8.650	0.000	91	98653	20.0	19.9	
$ 107 4-Bromofluorobenzene	174	8.679	8.679	0.000	93	195158	50.0	49.8	
108 Bromobenzene	156	8.786	8.779	0.007	98	83251	20.0	22.5	
109 N-Propylbenzene	91	8.937	8.937	0.000	98	331072	20.0	21.7	
110 1,1,2,2-Tetrachloroethane	83	9.087	9.087	0.000	98	76972	20.0	22.3	
111 2-Chlorotoluene	91	9.109	9.109	0.000	97	259737	20.0	22.3	
112 4-Ethyltoluene	105	9.130	9.130	0.000	98	281326	20.0	22.1	
113 1,2,3-Trichloropropane	110	9.216	9.216	0.000	98	21892	20.0	21.5	
114 1,3,5-Trimethylbenzene	105	9.288	9.288	0.000	93	234041	20.0	21.6	
115 trans-1,4-Dichloro-2-buten	53	9.345	9.345	0.000	82	17990	20.0	21.7	
116 4-Chlorotoluene	91	9.374	9.374	0.000	98	241509	20.0	21.9	
117 tert-Butylbenzene	119	9.746	9.746	0.000	93	168374	20.0	21.0	
118 1,2,4-Trimethylbenzene	105	9.882	9.882	0.000	98	243985	20.0	22.4	
119 Butyl Methacrylate	87	9.889	9.889	0.000	94	72994	20.0	15.5	
120 sec-Butylbenzene	105	10.040	10.040	0.000	99	245066	20.0	21.9	
121 1,3-Dichlorobenzene	146	10.298	10.298	0.000	95	142655	20.0	22.0	
122 4-Isopropyltoluene	119	10.319	10.319	0.000	97	194515	20.0	20.9	
* 123 1,4-Dichlorobenzene-d4	152	10.434	10.434	0.000	96	264254	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.455	10.455	0.000	94	155518	20.0	22.2	
125 1,2,3-Trimethylbenzene	105	10.563	10.563	0.000	99	258270	20.0	22.0	
126 2,3-Dihydroindene	117	10.735	10.735	0.000	94	262451	20.0	22.4	
127 Benzyl chloride	126	10.914	10.914	0.000	97	13058	20.0	12.5	
128 p-Diethylbenzene	119	10.928	10.935	-0.007	92	103225	20.0	21.3	
129 n-Butylbenzene	91	11.014	11.021	-0.007	98	174613	20.0	21.2	
130 1,2-Dichlorobenzene	146	11.121	11.122	-0.001	95	146483	20.0	22.5	
131 1,2,4,5-Tetramethylbenzene	119	12.074	12.074	0.000	97	179390	20.0	21.5	
132 1,2-Dibromo-3-Chloropropan	157	12.217	12.217	0.000	92	11799	20.0	22.7	
133 1,3,5-Trichlorobenzene	180	12.267	12.268	-0.001	97	86072	20.0	22.4	
134 1,2,4-Trichlorobenzene	180	12.948	12.948	0.000	94	77582	20.0	22.2	
135 Hexachlorobutadiene	225	12.962	12.962	0.000	96	29582	20.0	21.3	
136 Naphthalene	128	13.242	13.242	0.000	99	179505	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 1,2,3-Trichlorobenzene	180	13.421	13.421	0.000	95	76463	20.0	23.3	
S 138 1,2-Dichloroethene, Total	100				0		40.0	44.9	
S 139 1,3-Dichloropropene, Total	100				0		40.0	42.3	
S 140 Xylenes, Total	100				0		40.0	42.5	
S 142 Total BTEX	1				0		100.0	107.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00095	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00104	Amount Added:	20.00	Units: uL	
GASES Li_00332	Amount Added:	20.00	Units: uL	
524freon_00011	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00200	Amount Added:	1.00	Units: uL	Run Reagent

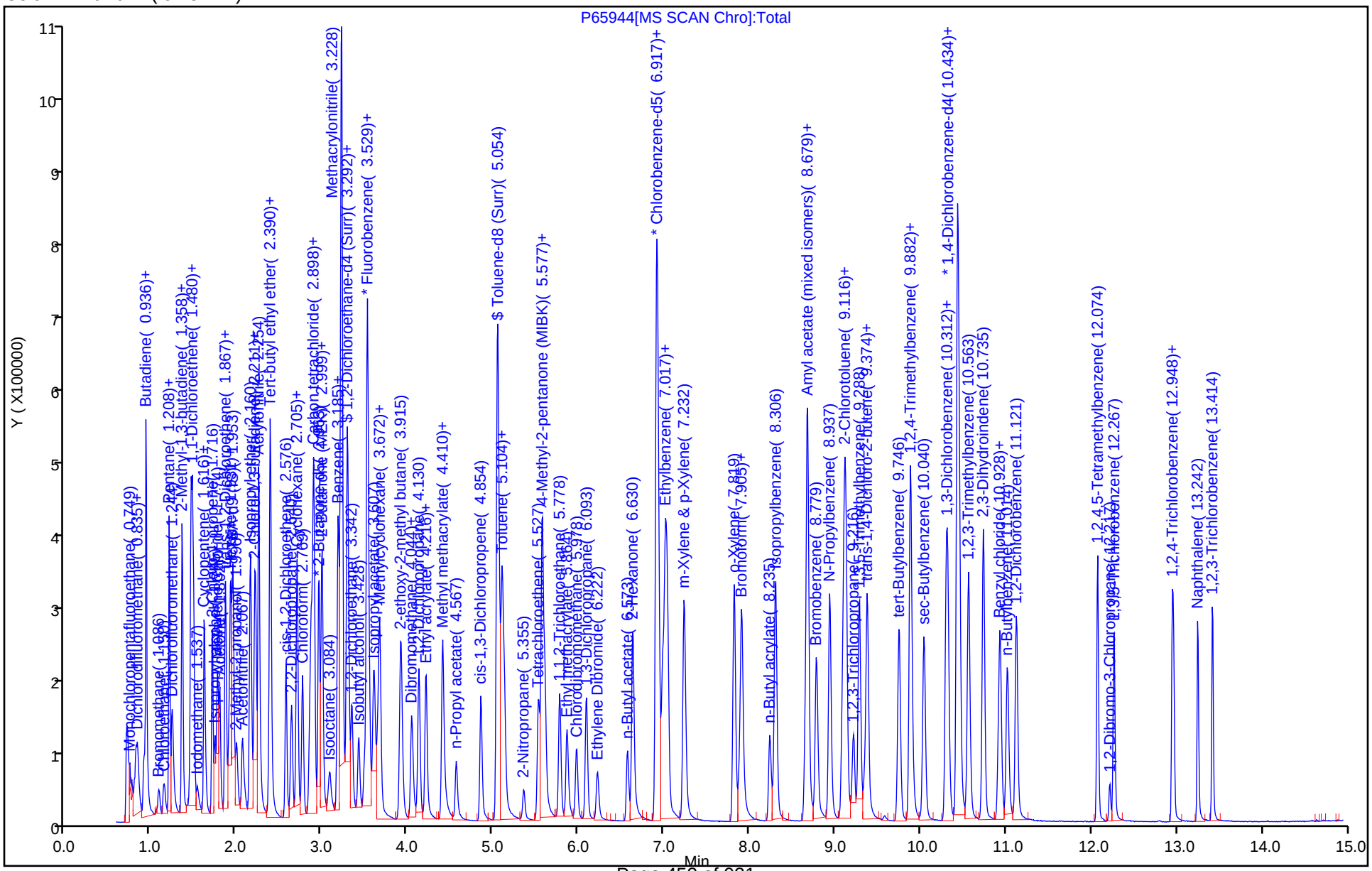
Report Date: 18-Sep-2019 11:07:25 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CVOAMS13\20190917-97690.b\P65944.D

Injection Date:	17-Sep-2019 18:49:30	Instrument ID:	CVOAMS13	Operator ID:	
Lims ID:	460-191351-C-2 MSD			Worklist Smp#:	27
Client ID:	MW-17D 091019				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260W_13	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 08/23/2019 07:52

Analysis Batch Number: 634356 End Date: 08/23/2019 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-634356/1		08/23/2019 07:52	1	P65039.D	Rtx-624 0.25(mm)
STD8 460-634356/2 IC		08/23/2019 08:16	1	P65040.D	Rtx-624 0.25(mm)
STD1 460-634356/4 IC		08/23/2019 09:06	1	P65042.D	Rtx-624 0.25(mm)
STD20 460-634356/6 ICIS		08/23/2019 09:55	1	P65044.D	Rtx-624 0.25(mm)
STD50 460-634356/7 IC		08/23/2019 10:20	1	P65045.D	Rtx-624 0.25(mm)
STD200 460-634356/8 IC		08/23/2019 10:45	1	P65046.D	Rtx-624 0.25(mm)
STD500 460-634356/9 IC		08/23/2019 11:10	1	P65047.D	Rtx-624 0.25(mm)
STD5 460-634356/14 IC		08/23/2019 13:15	1	P65052.D	Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 13:55	1		Rtx-624 0.25(mm)
ICV 460-634356/1015		08/23/2019 13:55	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 14:20	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 15:48	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 17:03	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 17:28	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 17:53	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 18:18	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 18:43	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 19:08	1		Rtx-624 0.25(mm)
ZZZZZ		08/23/2019 19:33	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 09/16/2019 07:06

Analysis Batch Number: 639562 End Date: 09/16/2019 17:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-639562/1		09/16/2019 07:06	1	P65890.D	Rtx-624 0.25(mm)
CCVIS 460-639562/2		09/16/2019 07:28	1	P65891.D	Rtx-624 0.25(mm)
LCS 460-639562/3		09/16/2019 07:54	1	P65892.D	Rtx-624 0.25(mm)
LCSD 460-639562/4		09/16/2019 08:19	1	P65893.D	Rtx-624 0.25(mm)
MB 460-639562/8		09/16/2019 09:59	1	P65897.D	Rtx-624 0.25(mm)
ZZZZZ		09/16/2019 11:39	1		Rtx-624 0.25(mm)
ZZZZZ		09/16/2019 12:04	1		Rtx-624 0.25(mm)
460-191351-5		09/16/2019 15:24	1	P65910.D	Rtx-624 0.25(mm)
460-191351-6		09/16/2019 15:49	1	P65911.D	Rtx-624 0.25(mm)
460-191351-7		09/16/2019 16:14	1	P65912.D	Rtx-624 0.25(mm)
460-191351-9		09/16/2019 16:39	1	P65913.D	Rtx-624 0.25(mm)
460-191351-10		09/16/2019 17:04	1	P65914.D	Rtx-624 0.25(mm)
460-191351-11		09/16/2019 17:29	1	P65915.D	Rtx-624 0.25(mm)
460-191351-8		09/16/2019 17:54	1	P65916.D	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: CVOAMS13 Start Date: 09/17/2019 07:11

Analysis Batch Number: 639801 End Date: 09/17/2019 18:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-639801/1		09/17/2019 07:11	1	P65918.D	Rtx-624 0.25(mm)
CCVIS 460-639801/3		09/17/2019 08:32	1	P65920.D	Rtx-624 0.25(mm)
LCS 460-639801/4		09/17/2019 09:12	1	P65921.D	Rtx-624 0.25(mm)
LCSD 460-639801/5		09/17/2019 09:37	1	P65922.D	Rtx-624 0.25(mm)
MB 460-639801/8		09/17/2019 10:51	1	P65925.D	Rtx-624 0.25(mm)
460-191351-14		09/17/2019 11:16	1	P65926.D	Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 11:43	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 12:09	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 12:34	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 12:59	1		Rtx-624 0.25(mm)
460-191351-4		09/17/2019 13:24	1	P65931.D	Rtx-624 0.25(mm)
460-191351-3		09/17/2019 13:49	1	P65932.D	Rtx-624 0.25(mm)
460-191351-2		09/17/2019 14:14	1	P65933.D	Rtx-624 0.25(mm)
460-191351-1		09/17/2019 14:39	1	P65934.D	Rtx-624 0.25(mm)
460-191351-12		09/17/2019 15:04	1	P65935.D	Rtx-624 0.25(mm)
460-191351-13		09/17/2019 15:29	1	P65936.D	Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 15:54	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 16:19	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 16:44	1		Rtx-624 0.25(mm)
ZZZZZ		09/17/2019 17:09	1		Rtx-624 0.25(mm)
460-191351-2 MS		09/17/2019 18:24	1	P65943.D	Rtx-624 0.25(mm)
460-191351-2 MSD		09/17/2019 18:49	1	P65944.D	Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639562 Batch Start Date: 09/16/19 07:06 Batch Analyst: Desai, Saurab

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00011	8260ISNEW 00129	8260MIX1COMB 00104	8260SURR250 00200
BFB 460-639562/1		8260C		5 mL	5 mL				
CCVIS 460-639562/2		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-639562/3		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCSD 460-639562/4		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-639562/8		8260C		5 mL	5 mL		1 uL		1 uL
460-191351-B-5	MW-2I 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-B-6	MW-46I 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-B-7	MW-40D 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-B-9	MW-38D 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-B-10	MW-38I 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-B-11	MW-36I 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-B-8	TW-2S 091119	8260C	T	5 mL	5 mL		1 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00095	BFB 00021	GASES Li 00332			
BFB 460-639562/1		8260C			1 uL				
CCVIS 460-639562/2		8260C		4 uL		20 uL			
LCS 460-639562/3		8260C		4 uL		20 uL			
LCSD 460-639562/4		8260C		4 uL		20 uL			
MB 460-639562/8		8260C							
460-191351-B-5	MW-2I 091119	8260C	T						
460-191351-B-6	MW-46I 091119	8260C	T						
460-191351-B-7	MW-40D 091119	8260C	T						
460-191351-B-9	MW-38D 091119	8260C	T						
460-191351-B-10	MW-38I 091119	8260C	T						
460-191351-B-11	MW-36I 091119	8260C	T						
460-191351-B-8	TW-2S 091119	8260C	T						

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639562 Batch Start Date: 09/16/19 07:06 Batch Analyst: Desai, Saurab

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639801 Batch Start Date: 09/17/19 07:11 Batch Analyst: Sarmiento, Daniel

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00011	8260ISNEW 00129	8260MIX1COMB 00104	8260SURR250 00200
BFB 460-639801/1		8260C		5 mL	5 mL				
CCVIS 460-639801/3		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-639801/4		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCSD 460-639801/5		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-639801/8		8260C		5 mL	5 mL		1 uL		1 uL
460-191351-A-14	TB	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-C-4	MW-2 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-C-3	DUP	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-C-2	MW-17D 091019	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-C-1	MW-171 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-B-12	MW-36D 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-B-13	MW-17 091119	8260C	T	5 mL	5 mL		1 uL		1 uL
460-191351-C-2 MS	MW-17D 091019	8260C	T	5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
460-191351-C-2 MSD	MW-17D 091019	8260C	T	5 mL	5 mL	20 uL	1 uL	20 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00095	BFB 00021	GASES Li 00332			
BFB 460-639801/1		8260C			1 uL				
CCVIS 460-639801/3		8260C		4 uL		20 uL			
LCS 460-639801/4		8260C		4 uL		20 uL			
LCSD 460-639801/5		8260C		4 uL		20 uL			
MB 460-639801/8		8260C							
460-191351-A-14	TB	8260C	T						
460-191351-C-4	MW-2 091119	8260C	T						
460-191351-C-3	DUP	8260C	T						
460-191351-C-2	MW-17D 091019	8260C	T						

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639801 Batch Start Date: 09/17/19 07:11 Batch Analyst: Sarmiento, Daniel

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00095	BFB 00021	GASES Li 00332			
460-191351-C-1	MW-171 091119	8260C	T						
460-191351-B-12	MW-36D 091119	8260C	T						
460-191351-B-13	MW-17 091119	8260C	T						
460-191351-C-2 MS	MW-17D 091019	8260C	T	4 uL		20 uL			
460-191351-C-2 MSD	MW-17D 091019	8260C	T	4 uL		20 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8270D

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
MW-171 091119	460-191351-1	43	29	99	93	112	85
MW-17D 091019	460-191351-2	40	27	92	83	94	91
DUP	460-191351-3	40	27	94	87	105	82
MW-2 091119	460-191351-4	44	29	97	89	104	76
MW-2I 091119	460-191351-5	40	27	91	84	106	65
MW-46I 091119	460-191351-6	42	28	96	90	110	69
MW-40D 091119	460-191351-7	41	28	89	84	102	78
TW-2S 091119	460-191351-8	44	29	96	89	112	81
MW-38D 091119	460-191351-9	38	25	84	78	89	76
MW-38I 091119	460-191351-10	41	27	93	86	108	76
MW-36I 091119	460-191351-11	47	31	100	92	109	85
MW-36D 091119	460-191351-12	45	30	103	95	115	96
MW-17 091119	460-191351-13	43	29	97	87	112	59
	MB 460-639610/1-A	47	33	91	88	105	96
	MB 460-639875/1-A	50	34	93	81	86	88
	LCS 460-639610/2-A	47	33	90	82	102	89
	LCS 460-639610/4-A	46	31	98	91	107	99
	LCS 460-639875/2-A	55	38	91	89	98	99
	LCS 460-639875/4-A	52	36	94	88	90	101
	LCSD 460-639610/3-A	46	33	90	82	101	87
	LCSD 460-639610/5-A	42	29	87	82	97	91
	LCSD 460-639875/3-A	56	38	95	91	100	115
	LCSD 460-639875/5-A	50	34	96	88	91	90
MW-17D 091019 MS	460-191351-2 MS	44	29	100	97	115	96
MW-17D 091019 MSD	460-191351-2 MSD	43	29	99	96	117	91

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	25-58
PHL = Phenol-d5 (Surr)	14-39
NBZ = Nitrobenzene-d5 (Surr)	51-108
FBP = 2-Fluorobiphenyl	45-107
TBP = 2,4,6-Tribromophenol (Surr)	26-139
TPHL = Terphenyl-d14 (Surr)	40-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163894.D

Lab ID: LCS 460-639610/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	59.6	75	54-108	
2,2'-oxybis[1-chloropropane]	80.0	61.6	77	50-108	
2,4,5-Trichlorophenol	80.0	61.2	77	59-117	
2,4,6-Trichlorophenol	80.0	66.3	83	62-120	
2,4-Dichlorophenol	80.0	66.2	83	62-102	
2,4-Dimethylphenol	80.0	61.3	77	61-95	
2,4-Dinitrophenol	160	154	96	45-125	
2,4-Dinitrotoluene	80.0	71.0	89	70-123	
2,6-Dinitrotoluene	80.0	70.5	88	68-121	
2-Chloronaphthalene	80.0	58.0	72	54-105	
2-Chlorophenol	80.0	59.2	74	54-92	
2-Methylnaphthalene	80.0	60.6	76	47-104	
2-Methylphenol	80.0	52.6	66	43-80	
2-Nitroaniline	80.0	69.4	87	46-124	
2-Nitrophenol	80.0	73.3	92	58-109	
3,3'-Dichlorobenzidine	80.0	74.0	92	68-123	
3-Nitroaniline	80.0	63.9	80	60-117	
4,6-Dinitro-2-methylphenol	160	158	99	59-132	
4-Bromophenyl phenyl ether	80.0	68.6	86	57-126	
4-Chloro-3-methylphenol	80.0	65.8	82	58-98	
4-Chloroaniline	80.0	64.5	81	51-108	
4-Chlorophenyl phenyl ether	80.0	68.2	85	60-114	
4-Nitroaniline	80.0	68.3	85	48-135	
4-Nitrophenol	160	59.3	37	11-47	
Acenaphthene	80.0	61.1	76	58-107	
Acenaphthylene	80.0	63.1	79	61-106	
Acetophenone	80.0	72.1	90	54-115	
Anthracene	80.0	67.5	84	70-118	
Benzo[a]anthracene	80.0	68.5	86	73-119	
Benzo[a]pyrene	80.0	64.3	80	76-125	
Benzo[b]fluoranthene	80.0	60.3	75	78-123	*
Benzo[g,h,i]perylene	80.0	52.5	66	63-133	
Benzo[k]fluoranthene	80.0	66.7	83	71-126	
Bis(2-chloroethoxy)methane	80.0	67.1	84	67-104	
Bis(2-chloroethyl)ether	80.0	69.0	86	63-106	
Bis(2-ethylhexyl) phthalate	80.0	75.4	94	63-135	
Butyl benzyl phthalate	80.0	71.8	90	66-129	
Carbazole	80.0	65.7	82	68-121	
Chrysene	80.0	69.9	87	73-121	
Dibenz(a,h)anthracene	80.0	61.5	77	59-136	
Dibenzofuran	80.0	66.4	83	67-108	
Diethyl phthalate	80.0	69.6	87	61-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163894.D

Lab ID: LCS 460-639610/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dimethyl phthalate	80.0	68.8	86	65-121	
Di-n-butyl phthalate	80.0	71.6	89	64-130	
Di-n-octyl phthalate	80.0	55.7	70	64-131	
Fluoranthene	80.0	65.5	82	66-123	
Fluorene	80.0	67.4	84	67-112	
Hexachlorobenzene	80.0	71.3	89	63-125	
Hexachlorobutadiene	80.0	47.8	60	34-99	
Hexachlorocyclopentadiene	80.0	35.5	44	18-99	
Hexachloroethane	80.0	42.8	53	39-92	
Indeno[1,2,3-cd]pyrene	80.0	63.1	79	57-142	
Isophorone	80.0	69.5	87	55-105	
Naphthalene	80.0	53.9	67	51-98	
Nitrobenzene	80.0	71.8	90	56-106	
N-Nitrosodi-n-propylamine	80.0	73.0	91	48-118	
N-Nitrosodiphenylamine	80.0	68.1	85	69-118	
Pentachlorophenol	160	132	83	54-120	
Phenanthrene	80.0	66.9	84	70-117	
Phenol	80.0	29.5	37	16-43	
Pyrene	80.0	67.7	85	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163896.D

Lab ID: LCS 460-639610/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Atrazine	160	175	109	38-146	
Benzaldehyde	160	147	92	46-111	
Caprolactam	160	43.6	27	10-43	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P083362.D

Lab ID: LCS 460-639875/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	75.8	95	54-108	
2,2'-oxybis[1-chloropropane]	80.0	75.9	95	50-108	
2,4,5-Trichlorophenol	80.0	77.9	97	59-117	
2,4,6-Trichlorophenol	80.0	82.8	103	62-120	
2,4-Dichlorophenol	80.0	74.0	92	62-102	
2,4-Dimethylphenol	80.0	70.4	88	61-95	
2,4-Dinitrophenol	160	155	97	45-125	
2,4-Dinitrotoluene	80.0	88.0	110	70-123	
2,6-Dinitrotoluene	80.0	82.6	103	68-121	
2-Chloronaphthalene	80.0	76.2	95	54-105	
2-Chlorophenol	80.0	70.5	88	54-92	
2-Methylnaphthalene	80.0	71.6	90	47-104	
2-Methylphenol	80.0	61.5	77	43-80	
2-Nitroaniline	80.0	84.5	106	46-124	
2-Nitrophenol	80.0	80.0	100	58-109	
3,3'-Dichlorobenzidine	80.0	77.8	97	68-123	
3-Nitroaniline	80.0	77.6	97	60-117	
4,6-Dinitro-2-methylphenol	160	194	121	59-132	
4-Bromophenyl phenyl ether	80.0	78.2	98	57-126	
4-Chloro-3-methylphenol	80.0	72.7	91	58-98	
4-Chloroaniline	80.0	61.0	76	51-108	
4-Chlorophenyl phenyl ether	80.0	77.2	97	60-114	
4-Nitroaniline	80.0	80.4	100	48-135	
4-Nitrophenol	160	69.0	43	11-47	
Acenaphthene	80.0	72.1	90	58-107	
Acenaphthylene	80.0	78.4	98	61-106	
Acetophenone	80.0	78.6	98	54-115	
Anthracene	80.0	82.0	102	70-118	
Benzo[a]anthracene	80.0	83.6	104	73-119	
Benzo[a]pyrene	80.0	80.4	101	76-125	
Benzo[b]fluoranthene	80.0	86.4	108	78-123	
Benzo[g,h,i]perylene	80.0	86.3	108	63-133	
Benzo[k]fluoranthene	80.0	84.2	105	71-126	
Bis(2-chloroethoxy)methane	80.0	78.1	98	67-104	
Bis(2-chloroethyl)ether	80.0	80.1	100	63-106	
Bis(2-ethylhexyl) phthalate	80.0	90.2	113	63-135	
Butyl benzyl phthalate	80.0	92.0	115	66-129	
Carbazole	80.0	84.4	106	68-121	
Chrysene	80.0	86.8	109	73-121	
Dibenz(a,h)anthracene	80.0	88.5	111	59-136	
Dibenzofuran	80.0	81.4	102	67-108	
Diethyl phthalate	80.0	77.6	97	61-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P083362.D

Lab ID: LCS 460-639875/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dimethyl phthalate	80.0	77.7	97	65-121	
Di-n-butyl phthalate	80.0	84.6	106	64-130	
Di-n-octyl phthalate	80.0	97.4	122	64-131	
Fluoranthene	80.0	84.6	106	66-123	
Fluorene	80.0	77.0	96	67-112	
Hexachlorobenzene	80.0	80.3	100	63-125	
Hexachlorobutadiene	80.0	61.4	77	34-99	
Hexachlorocyclopentadiene	80.0	51.9	65	18-99	
Hexachloroethane	80.0	61.2	76	39-92	
Indeno[1,2,3-cd]pyrene	80.0	86.5	108	57-142	
Isophorone	80.0	78.4	98	55-105	
Naphthalene	80.0	70.2	88	51-98	
Nitrobenzene	80.0	81.1	101	56-106	
N-Nitrosodi-n-propylamine	80.0	78.6	98	48-118	
N-Nitrosodiphenylamine	80.0	81.3	102	69-118	
Pentachlorophenol	160	168	105	54-120	
Phenanthrene	80.0	82.5	103	70-117	
Phenol	80.0	32.7	41	16-43	
Pyrene	80.0	86.3	108	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P083364.D

Lab ID: LCS 460-639875/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Atrazine	160	171	107	38-146	
Benzaldehyde	160	142	89	46-111	
Caprolactam	160	44.8	28	10-43	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163895.D

Lab ID: LCSD 460-639610/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	58.9	74	1	30	54-108	
2,2'-oxybis[1-chloropropane]	80.0	60.1	75	2	30	50-108	
2,4,5-Trichlorophenol	80.0	61.7	77	1	30	59-117	
2,4,6-Trichlorophenol	80.0	65.4	82	1	30	62-120	
2,4-Dichlorophenol	80.0	65.5	82	1	30	62-102	
2,4-Dimethylphenol	80.0	62.0	77	1	30	61-95	
2,4-Dinitrophenol	160	153	96	0	30	45-125	
2,4-Dinitrotoluene	80.0	71.1	89	0	30	70-123	
2,6-Dinitrotoluene	80.0	71.2	89	1	30	68-121	
2-Chloronaphthalene	80.0	58.0	72	0	30	54-105	
2-Chlorophenol	80.0	59.2	74	0	30	54-92	
2-Methylnaphthalene	80.0	59.6	75	2	30	47-104	
2-Methylphenol	80.0	53.1	66	1	30	43-80	
2-Nitroaniline	80.0	68.6	86	1	30	46-124	
2-Nitrophenol	80.0	74.1	93	1	30	58-109	
3,3'-Dichlorobenzidine	80.0	78.3	98	6	30	68-123	
3-Nitroaniline	80.0	63.0	79	1	30	60-117	
4,6-Dinitro-2-methylphenol	160	157	98	0	30	59-132	
4-Bromophenyl phenyl ether	80.0	67.4	84	2	30	57-126	
4-Chloro-3-methylphenol	80.0	65.5	82	0	30	58-98	
4-Chloroaniline	80.0	64.5	81	0	30	51-108	
4-Chlorophenyl phenyl ether	80.0	67.8	85	0	30	60-114	
4-Nitroaniline	80.0	66.5	83	3	30	48-135	
4-Nitrophenol	160	58.1	36	2	30	11-47	
Acenaphthene	80.0	59.3	74	3	30	58-107	
Acenaphthylene	80.0	62.6	78	1	30	61-106	
Acetophenone	80.0	71.1	89	1	30	54-115	
Anthracene	80.0	66.3	83	2	30	70-118	
Benzo[a]anthracene	80.0	67.1	84	2	30	73-119	
Benzo[a]pyrene	80.0	63.1	79	2	30	76-125	
Benzo[b]fluoranthene	80.0	62.2	78	3	30	78-123	
Benzo[g,h,i]perylene	80.0	48.7	61	8	30	63-133	*
Benzo[k]fluoranthene	80.0	64.5	81	3	30	71-126	
Bis(2-chloroethoxy)methane	80.0	67.6	85	1	30	67-104	
Bis(2-chloroethyl)ether	80.0	67.3	84	2	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	73.9	92	2	30	63-135	
Butyl benzyl phthalate	80.0	69.6	87	3	30	66-129	
Carbazole	80.0	64.2	80	2	30	68-121	
Chrysene	80.0	71.3	89	2	30	73-121	
Dibenz(a,h)anthracene	80.0	57.3	72	7	30	59-136	
Dibenzofuran	80.0	64.9	81	2	30	67-108	
Diethyl phthalate	80.0	69.2	87	1	30	61-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163895.D

Lab ID: LCSD 460-639610/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dimethyl phthalate	80.0	69.3	87	1	30	65-121	
Di-n-butyl phthalate	80.0	69.5	87	3	30	64-130	
Di-n-octyl phthalate	80.0	52.2	65	7	30	64-131	
Fluoranthene	80.0	63.4	79	3	30	66-123	
Fluorene	80.0	65.9	82	2	30	67-112	
Hexachlorobenzene	80.0	71.0	89	0	30	63-125	
Hexachlorobutadiene	80.0	46.9	59	2	30	34-99	
Hexachlorocyclopentadiene	80.0	36.5	46	3	30	18-99	
Hexachloroethane	80.0	41.9	52	2	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	58.2	73	8	30	57-142	
Isophorone	80.0	69.4	87	0	30	55-105	
Naphthalene	80.0	53.7	67	0	30	51-98	
Nitrobenzene	80.0	72.0	90	0	30	56-106	
N-Nitrosodi-n-propylamine	80.0	72.2	90	1	30	48-118	
N-Nitrosodiphenylamine	80.0	67.8	85	1	30	69-118	
Pentachlorophenol	160	131	82	1	30	54-120	
Phenanthrene	80.0	65.1	81	3	30	70-117	
Phenol	80.0	29.0	36	2	30	16-43	
Pyrene	80.0	66.4	83	2	30	63-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163897.D

Lab ID: LCSD 460-639610/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Atrazine	160	105	66	50	30	38-146	*
Benzaldehyde	160	129	81	13	30	46-111	
Caprolactam	160	25.5	16	52	30	10-43	*

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P083363.D

Lab ID: LCSD 460-639875/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	79.3	99	4	30	54-108	
2,2'-oxybis[1-chloropropane]	80.0	73.6	92	3	30	50-108	
2,4,5-Trichlorophenol	80.0	80.5	101	3	30	59-117	
2,4,6-Trichlorophenol	80.0	84.1	105	2	30	62-120	
2,4-Dichlorophenol	80.0	75.7	95	2	30	62-102	
2,4-Dimethylphenol	80.0	70.4	88	0	30	61-95	
2,4-Dinitrophenol	160	161	101	4	30	45-125	
2,4-Dinitrotoluene	80.0	88.3	110	0	30	70-123	
2,6-Dinitrotoluene	80.0	86.6	108	5	30	68-121	
2-Chloronaphthalene	80.0	78.6	98	3	30	54-105	
2-Chlorophenol	80.0	69.2	86	2	30	54-92	
2-Methylnaphthalene	80.0	71.8	90	0	30	47-104	
2-Methylphenol	80.0	63.1	79	3	30	43-80	
2-Nitroaniline	80.0	86.9	109	3	30	46-124	
2-Nitrophenol	80.0	80.3	100	0	30	58-109	
3,3'-Dichlorobenzidine	80.0	72.6	91	7	30	68-123	
3-Nitroaniline	80.0	77.7	97	0	30	60-117	
4,6-Dinitro-2-methylphenol	160	195	122	1	30	59-132	
4-Bromophenyl phenyl ether	80.0	77.8	97	0	30	57-126	
4-Chloro-3-methylphenol	80.0	70.8	89	3	30	58-98	
4-Chloroaniline	80.0	59.8	75	2	30	51-108	
4-Chlorophenyl phenyl ether	80.0	80.6	101	4	30	60-114	
4-Nitroaniline	80.0	75.0	94	7	30	48-135	
4-Nitrophenol	160	64.4	40	7	30	11-47	
Acenaphthene	80.0	75.2	94	4	30	58-107	
Acenaphthylene	80.0	80.7	101	3	30	61-106	
Acetophenone	80.0	78.4	98	0	30	54-115	
Anthracene	80.0	79.2	99	3	30	70-118	
Benzo[a]anthracene	80.0	83.1	104	1	30	73-119	
Benzo[a]pyrene	80.0	80.0	100	0	30	76-125	
Benzo[b]fluoranthene	80.0	82.8	104	4	30	78-123	
Benzo[g,h,i]perylene	80.0	99.3	124	14	30	63-133	
Benzo[k]fluoranthene	80.0	82.3	103	2	30	71-126	
Bis(2-chloroethoxy)methane	80.0	78.0	98	0	30	67-104	
Bis(2-chloroethyl)ether	80.0	78.6	98	2	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	89.6	112	1	30	63-135	
Butyl benzyl phthalate	80.0	97.2	122	5	30	66-129	
Carbazole	80.0	77.8	97	8	30	68-121	
Chrysene	80.0	85.9	107	1	30	73-121	
Dibenz(a,h)anthracene	80.0	97.9	122	10	30	59-136	
Dibenzofuran	80.0	80.7	101	1	30	67-108	
Diethyl phthalate	80.0	79.7	100	3	30	61-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P083363.D

Lab ID: LCSD 460-639875/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dimethyl phthalate	80.0	79.2	99	2	30	65-121	
Di-n-butyl phthalate	80.0	80.5	101	5	30	64-130	
Di-n-octyl phthalate	80.0	89.8	112	8	30	64-131	
Fluoranthene	80.0	74.6	93	13	30	66-123	
Fluorene	80.0	79.4	99	3	30	67-112	
Hexachlorobenzene	80.0	80.5	101	0	30	63-125	
Hexachlorobutadiene	80.0	61.7	77	1	30	34-99	
Hexachlorocyclopentadiene	80.0	57.8	72	11	30	18-99	
Hexachloroethane	80.0	59.9	75	2	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	94.0	118	8	30	57-142	
Isophorone	80.0	78.2	98	0	30	55-105	
Naphthalene	80.0	70.1	88	0	30	51-98	
Nitrobenzene	80.0	83.4	104	3	30	56-106	
N-Nitrosodi-n-propylamine	80.0	79.0	99	1	30	48-118	
N-Nitrosodiphenylamine	80.0	81.6	102	0	30	69-118	
Pentachlorophenol	160	163	102	3	30	54-120	
Phenanthrene	80.0	81.2	101	2	30	70-117	
Phenol	80.0	32.6	41	0	30	16-43	
Pyrene	80.0	99.9	125	15	30	63-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P083365.D

Lab ID: LCSD 460-639875/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Atrazine	160	164	102	5	30	38-146	
Benzaldehyde	160	137	86	4	30	46-111	
Caprolactam	160	41.1	26	9	30	10-43	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163899.D

Lab ID: 460-191351-2 MS Client ID: MW-17D 091019 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	1.2 U	75.9	95	54-108	
2,2'-oxybis[1-chloropropane]	80.0	0.63 U	71.2	89	50-108	
2,4,5-Trichlorophenol	80.0	0.28 U	75.0	94	59-117	
2,4,6-Trichlorophenol	80.0	0.30 U	75.3	94	62-120	
2,4-Dichlorophenol	80.0	0.42 U	75.8	95	62-102	
2,4-Dimethylphenol	80.0	0.24 U	69.6	87	61-95	
2,4-Dinitrophenol	160	14 U	132	82	45-125	
2,4-Dinitrotoluene	80.0	1.0 U	83.4	104	70-123	
2,6-Dinitrotoluene	80.0	0.39 U	85.3	107	68-121	
2-Chloronaphthalene	80.0	1.2 U	75.1	94	54-105	
2-Chlorophenol	80.0	0.38 U	63.2	79	54-92	
2-Methylnaphthalene	80.0	1.1 U	78.8	98	47-104	
2-Methylphenol	80.0	0.26 U	55.1	69	43-80	
2-Nitroaniline	80.0	0.47 U	82.7	103	46-124	
2-Nitrophenol	80.0	0.75 U	83.5	104	58-109	
3,3'-Dichlorobenzidine	80.0	1.4 U	89.0	111	68-123	
3-Nitroaniline	80.0	0.96 U	72.9	91	60-117	
4,6-Dinitro-2-methylphenol	160	13 U	149	93	59-132	
4-Bromophenyl phenyl ether	80.0	0.75 U	85.1	106	57-126	
4-Chloro-3-methylphenol	80.0	0.58 U	75.9	95	58-98	
4-Chloroaniline	80.0	1.9 U	70.5	88	51-108	
4-Chlorophenyl phenyl ether	80.0	1.3 U	83.5	104	60-114	
4-Nitroaniline	80.0	0.54 U	76.7	96	48-135	
4-Nitrophenol	160	0.69 U	56.7	35	11-47	
Acenaphthene	80.0	1.1 U	74.2	93	58-107	
Acenaphthylene	80.0	0.82 U	78.1	98	61-106	
Acetophenone	80.0	0.79 U	81.9	102	54-115	
Anthracene	80.0	0.63 U	82.2	103	70-118	
Atrazine	160	1.3 U	180	112	38-146	
Benzaldehyde	160	0.59 U	143	89	46-111	
Benzo[a]anthracene	80.0	0.59 U	84.0	105	73-119	
Benzo[a]pyrene	80.0	0.41 U	80.7	101	76-125	
Benzo[b]fluoranthene	80.0	1.1 U	77.3	97	78-123	
Benzo[g,h,i]perylene	80.0	1.4 U	68.6	86	63-133	
Benzo[k]fluoranthene	80.0	0.67 U	81.9	102	71-126	
Bis(2-chloroethoxy)methane	80.0	0.24 U	79.8	100	67-104	
Bis(2-chloroethyl)ether	80.0	0.30 U	76.7	96	63-106	
Bis(2-ethylhexyl) phthalate	80.0	1.7 U	95.9	120	63-135	
Butyl benzyl phthalate	80.0	0.85 U	89.9	112	66-129	
Caprolactam	160	0.68 U	43.5	27	10-43	
Carbazole	80.0	0.68 U	77.9	97	68-121	
Chrysene	80.0	0.91 U	89.9	112	73-121	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163899.D

Lab ID: 460-191351-2 MS Client ID: MW-17D 091019 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	0.72 U	79.7	100	59-136	
Dibenzofuran	80.0	1.1 U	81.0	101	67-108	
Diethyl phthalate	80.0	0.98 U	83.1	104	61-129	
Dimethyl phthalate	80.0	0.77 U	83.6	105	65-121	
Di-n-butyl phthalate	80.0	0.84 U	85.9	107	64-130	
Di-n-octyl phthalate	80.0	4.8 U	70.1	88	64-131	
Fluoranthene	80.0	0.84 U	77.0	96	66-123	
Fluorene	80.0	0.91 U	81.7	102	67-112	
Hexachlorobenzene	80.0	0.40 U	88.4	111	63-125	
Hexachlorobutadiene	80.0	0.78 U	67.5	84	34-99	
Hexachlorocyclopentadiene	80.0	1.7 U	57.0	71	18-99	
Hexachloroethane	80.0	1.2 U	61.5	77	39-92	
Indeno[1,2,3-cd]pyrene	80.0	1.3 U	76.1	95	57-142	
Isophorone	80.0	0.80 U	81.6	102	55-105	
Naphthalene	80.0	1.1 U	72.0	90	51-98	
Nitrobenzene	80.0	0.57 U	82.2	103	56-106	
N-Nitrosodi-n-propylamine	80.0	0.43 U	84.1	105	48-118	
N-Nitrosodiphenylamine	80.0	0.89 U	84.1	105	69-118	
Pentachlorophenol	160	1.4 U	147	92	54-120	
Phenanthrene	80.0	0.58 U	80.9	101	70-117	
Phenol	80.0	0.29 U	27.3	34	16-43	
Pyrene	80.0	1.6 U	86.5	108	63-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163900.D

Lab ID: 460-191351-2 MSD Client ID: MW-17D 091019 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	75.2	94	1	30	54-108	
2,2'-oxybis[1-chloropropane]	80.0	72.2	90	1	30	50-108	
2,4,5-Trichlorophenol	80.0	75.2	94	0	30	59-117	
2,4,6-Trichlorophenol	80.0	76.1	95	1	30	62-120	
2,4-Dichlorophenol	80.0	75.7	95	0	30	62-102	
2,4-Dimethylphenol	80.0	70.0	88	1	30	61-95	
2,4-Dinitrophenol	160	183	114	33	30	45-125	F2
2,4-Dinitrotoluene	80.0	85.7	107	3	30	70-123	
2,6-Dinitrotoluene	80.0	84.3	105	1	30	68-121	
2-Chloronaphthalene	80.0	74.5	93	1	30	54-105	
2-Chlorophenol	80.0	64.9	81	3	30	54-92	
2-Methylnaphthalene	80.0	78.1	98	1	30	47-104	
2-Methylphenol	80.0	55.2	69	0	30	43-80	
2-Nitroaniline	80.0	83.7	105	1	30	46-124	
2-Nitrophenol	80.0	85.8	107	3	30	58-109	
3,3'-Dichlorobenzidine	80.0	85.3	107	4	30	68-123	
3-Nitroaniline	80.0	73.6	92	1	30	60-117	
4,6-Dinitro-2-methylphenol	160	191	119	24	30	59-132	
4-Bromophenyl phenyl ether	80.0	84.3	105	1	30	57-126	
4-Chloro-3-methylphenol	80.0	76.3	95	0	30	58-98	
4-Chloroaniline	80.0	68.7	86	3	30	51-108	
4-Chlorophenyl phenyl ether	80.0	83.2	104	0	30	60-114	
4-Nitroaniline	80.0	80.6	101	5	30	48-135	
4-Nitrophenol	160	58.1	36	2	30	11-47	
Acenaphthene	80.0	75.6	94	2	30	58-107	
Acenaphthylene	80.0	77.9	97	0	30	61-106	
Acetophenone	80.0	82.9	104	1	30	54-115	
Anthracene	80.0	82.1	103	0	30	70-118	
Atrazine	160	195	122	8	30	38-146	E
Benzaldehyde	160	152	95	6	30	46-111	
Benzo[a]anthracene	80.0	82.3	103	2	30	73-119	
Benzo[a]pyrene	80.0	79.0	99	2	30	76-125	
Benzo[b]fluoranthene	80.0	75.3	94	3	30	78-123	
Benzo[g,h,i]perylene	80.0	64.3	80	7	30	63-133	
Benzo[k]fluoranthene	80.0	81.3	102	1	30	71-126	
Bis(2-chloroethoxy)methane	80.0	79.4	99	1	30	67-104	
Bis(2-chloroethyl)ether	80.0	77.6	97	1	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	95.5	119	0	30	63-135	
Butyl benzyl phthalate	80.0	90.2	113	0	30	66-129	
Caprolactam	160	43.5	27	0	30	10-43	
Carbazole	80.0	80.4	101	3	30	68-121	
Chrysene	80.0	89.2	111	1	30	73-121	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163900.D

Lab ID: 460-191351-2 MSD Client ID: MW-17D 091019 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	74.8	93	6	30	59-136	
Dibenzofuran	80.0	79.7	100	2	30	67-108	
Diethyl phthalate	80.0	84.0	105	1	30	61-129	
Dimethyl phthalate	80.0	84.0	105	1	30	65-121	
Di-n-butyl phthalate	80.0	87.5	109	2	30	64-130	
Di-n-octyl phthalate	80.0	69.9	87	0	30	64-131	
Fluoranthene	80.0	78.9	99	2	30	66-123	
Fluorene	80.0	81.7	102	0	30	67-112	
Hexachlorobenzene	80.0	87.4	109	1	30	63-125	
Hexachlorobutadiene	80.0	69.3	87	3	30	34-99	
Hexachlorocyclopentadiene	80.0	62.2	78	9	30	18-99	
Hexachloroethane	80.0	64.0	80	4	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	72.0	90	5	30	57-142	
Isophorone	80.0	81.2	102	0	30	55-105	
Naphthalene	80.0	72.9	91	1	30	51-98	
Nitrobenzene	80.0	84.2	105	2	30	56-106	
N-Nitrosodi-n-propylamine	80.0	84.3	105	0	30	48-118	
N-Nitrosodiphenylamine	80.0	84.1	105	0	30	69-118	
Pentachlorophenol	160	157	98	7	30	54-120	
Phenanthrene	80.0	82.2	103	2	30	70-117	
Phenol	80.0	26.9	34	1	30	16-43	
Pyrene	80.0	87.0	109	1	30	63-129	

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.: 460-191351-1

SDG No.:

Lab File ID: A163893.D Lab Sample ID: MB 460-639610/1-A

Matrix: Water Date Extracted: 09/16/2019 09:40

Instrument ID: CBNAMS16 Date Analyzed: 09/16/2019 20:32

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-639610/2-A	A163894.D	09/16/2019 20:53
	LCSD 460-639610/3-A	A163895.D	09/16/2019 21:22
	LCS 460-639610/4-A	A163896.D	09/16/2019 21:43
	LCSD 460-639610/5-A	A163897.D	09/16/2019 22:04
MW-17D 091019 MS	460-191351-2 MS	A163899.D	09/16/2019 22:46
MW-17D 091019 MSD	460-191351-2 MSD	A163900.D	09/16/2019 23:06
MW-171 091119	460-191351-1	A163901.D	09/16/2019 23:28
DUP	460-191351-3	A163902.D	09/16/2019 23:48
MW-2 091119	460-191351-4	A163903.D	09/17/2019 00:09
MW-2I 091119	460-191351-5	A163904.D	09/17/2019 00:31
MW-46I 091119	460-191351-6	A163905.D	09/17/2019 00:52
MW-40D 091119	460-191351-7	A163906.D	09/17/2019 01:13
TW-2S 091119	460-191351-8	A163907.D	09/17/2019 01:34
MW-38D 091119	460-191351-9	A163908.D	09/17/2019 01:55
MW-36I 091119	460-191351-11	A163909.D	09/17/2019 02:16
MW-36D 091119	460-191351-12	A163910.D	09/17/2019 02:37
MW-38I 091119	460-191351-10	A163918.D	09/17/2019 05:25
MW-17 091119	460-191351-13	A163919.D	09/17/2019 05:46

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: P083361.D Lab Sample ID: MB 460-639875/1-A

Matrix: Water Date Extracted: 09/17/2019 10:02

Instrument ID: CBNAMS18 Date Analyzed: 09/17/2019 14:13

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-639875/2-A	P083362.D	09/17/2019 14:34
	LCSD 460-639875/3-A	P083363.D	09/17/2019 15:03
	LCS 460-639875/4-A	P083364.D	09/17/2019 15:24
	LCSD 460-639875/5-A	P083365.D	09/17/2019 15:45
MW-17D 091019	460-191351-2	P083372.D	09/17/2019 18:13

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: A163568.D DFTPP Injection Date: 09/04/2019

Instrument ID: CBNAMS16 DFTPP Injection Time: 10:47

Analysis Batch No.: 636864

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	38.1	
68	Less than 2% of mass 69	0.6	(1.5) 1
69	Mass 69 Relative abundance	38.9	
70	Less than 2% of mass 69	0.2	(0.6) 1
127	10-80% of Base Peak	53.8	
197	Less than 2% of mass 198	0.3	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	23.1	
365	Greater than 1% of mass 198	2.3	
441	present but less than 24% of mass 442	10.9	(15.2) 2
442	Greater than 50% of mass 198	71.7	
443	15-24% of mass 442	13.0	(18.1) 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 460-636864/2	A163569.D	09/04/2019	11:06
	STD24 460-636864/3	A163570.D	09/04/2019	11:29
	STD16 460-636864/4	A163571.D	09/04/2019	11:50
	STD4 460-636864/5	A163572.D	09/04/2019	12:12
	STD2 460-636864/6	A163573.D	09/04/2019	12:33
	STD1 460-636864/7	A163574.D	09/04/2019	12:54
	STD02 460-636864/8	A163575.D	09/04/2019	13:16
	STD01 460-636864/9	A163576.D	09/04/2019	13:37
	STD10 460-636864/10	A163577.D	09/04/2019	13:58
	STD24 460-636864/11	A163578.D	09/04/2019	14:19
	STD16 460-636864/12	A163579.D	09/04/2019	14:40
	STD4 460-636864/13	A163580.D	09/04/2019	15:01
	STD2 460-636864/14	A163581.D	09/04/2019	15:22
	STD1 460-636864/15	A163582.D	09/04/2019	15:43
	STD02 460-636864/16	A163583.D	09/04/2019	16:05

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: A163889.D DFTPP Injection Date: 09/16/2019

Instrument ID: CBNAMS16 DFTPP Injection Time: 19:01

Analysis Batch No.: 639701

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	36.7	
68	Less than 2% of mass 69	0.6	(1.6) 1
69	Mass 69 Relative abundance	38.1	
70	Less than 2% of mass 69	0.2	(0.6) 1
127	10-80% of Base Peak	52.7	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	24.6	
365	Greater than 1% of mass 198	2.9	
441	present but less than 24% of mass 442	12.1	(15.1) 2
442	Greater than 50% of mass 198	80.2	
443	15-24% of mass 442	15.1	(18.9) 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 460-639701/2	A163890.D	09/16/2019	19:19
	CCV 460-639701/3	A163891.D	09/16/2019	19:49
	MB 460-639610/1-A	A163893.D	09/16/2019	20:32
	LCS 460-639610/2-A	A163894.D	09/16/2019	20:53
	LCSD 460-639610/3-A	A163895.D	09/16/2019	21:22
	LCS 460-639610/4-A	A163896.D	09/16/2019	21:43
	LCSD 460-639610/5-A	A163897.D	09/16/2019	22:04
MW-17D 091019 MS	460-191351-2 MS	A163899.D	09/16/2019	22:46
MW-17D 091019 MSD	460-191351-2 MSD	A163900.D	09/16/2019	23:06
MW-171 091119	460-191351-1	A163901.D	09/16/2019	23:28
DUP	460-191351-3	A163902.D	09/16/2019	23:48
MW-2 091119	460-191351-4	A163903.D	09/17/2019	00:09
MW-2I 091119	460-191351-5	A163904.D	09/17/2019	00:31
MW-46I 091119	460-191351-6	A163905.D	09/17/2019	00:52
MW-40D 091119	460-191351-7	A163906.D	09/17/2019	01:13
TW-2S 091119	460-191351-8	A163907.D	09/17/2019	01:34
MW-38D 091119	460-191351-9	A163908.D	09/17/2019	01:55
MW-36I 091119	460-191351-11	A163909.D	09/17/2019	02:16
MW-36D 091119	460-191351-12	A163910.D	09/17/2019	02:37
MW-38I 091119	460-191351-10	A163918.D	09/17/2019	05:25
MW-17 091119	460-191351-13	A163919.D	09/17/2019	05:46

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: P083241.D DFTPP Injection Date: 09/12/2019

Instrument ID: CBNAMS18 DFTPP Injection Time: 09:36

Analysis Batch No.: 638750

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	38.5	
68	Less than 2% of mass 69	0.6	(1.5) 1
69	Mass 69 Relative abundance	41.6	
70	Less than 2% of mass 69	0.2	(0.4) 1
127	10-80% of Base Peak	51.4	
197	Less than 2% of mass 198	0.5	
198	Base peak	100.0	
199	5-9% of mass 198	6.2	
275	10-60% of Base Peak	25.4	
365	Greater than 1% of mass 198	4.5	
441	present but less than 24% of mass 442	19.0	(16.1) 2
442	Greater than 50% of mass 198	118.1	
443	15-24% of mass 442	23.5	(19.9) 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 460-638750/2	P083242.D	09/12/2019	09:48
	STD24 460-638750/3	P083243.D	09/12/2019	11:12
	STD16 460-638750/4	P083244.D	09/12/2019	11:33
	STD4 460-638750/5	P083245.D	09/12/2019	11:54
	STD2 460-638750/6	P083246.D	09/12/2019	12:15
	STD1 460-638750/7	P083247.D	09/12/2019	12:36
	STD02 460-638750/8	P083248.D	09/12/2019	12:57
	STD01 460-638750/9	P083249.D	09/12/2019	13:18
	ICV 460-638750/10	P083250.D	09/12/2019	13:39
	STD10 460-638750/11	P083251.D	09/12/2019	14:00
	STD24 460-638750/12	P083252.D	09/12/2019	14:22
	STD16 460-638750/13	P083253.D	09/12/2019	14:43
	STD4 460-638750/14	P083254.D	09/12/2019	15:04
	STD2 460-638750/15	P083255.D	09/12/2019	15:25
	STD1 460-638750/16	P083256.D	09/12/2019	15:46
	STD02 460-638750/17	P083257.D	09/12/2019	16:07

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab File ID: P083345a.D DFTPP Injection Date: 09/17/2019

Instrument ID: CBNAMS18 DFTPP Injection Time: 08:38

Analysis Batch No.: 639842

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	36.9	
68	Less than 2% of mass 69	0.8	(1.9) 1
69	Mass 69 Relative abundance	42.6	
70	Less than 2% of mass 69	0.2	(0.4) 1
127	10-80% of Base Peak	50.3	
197	Less than 2% of mass 198	0.7	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	26.4	
365	Greater than 1% of mass 198	3.9	
441	present but less than 24% of mass 442	20.4	(17.8) 2
442	Greater than 50% of mass 198	114.8	
443	15-24% of mass 442	22.6	(19.7) 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 460-639842/2	P083346.D	09/17/2019	08:57
	CCV 460-639842/3	P083347.D	09/17/2019	09:18
	MB 460-639875/1-A	P083361.D	09/17/2019	14:13
	LCS 460-639875/2-A	P083362.D	09/17/2019	14:34
	LCSD 460-639875/3-A	P083363.D	09/17/2019	15:03
	LCS 460-639875/4-A	P083364.D	09/17/2019	15:24
	LCSD 460-639875/5-A	P083365.D	09/17/2019	15:45
MW-17D 091019	460-191351-2	P083372.D	09/17/2019	18:13

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Sample No.: CCVIS 460-639701/2 Date Analyzed: 09/16/2019 19:19

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

Lab File ID (Standard): A163890.D Heated Purge: (Y/N) N

Calibration ID: 76436

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		758721	4.46	3029595	5.67	1490780	7.33
UPPER LIMIT		1517442	4.96	6059190	6.17	2981560	7.83
LOWER LIMIT		379361	3.96	1514798	5.17	745390	6.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-639701/3		766243	4.46	3132371	5.66	1500297	7.33
MB 460-639610/1-A		1011946	4.46	4098684	5.66	1971511	7.32
LCS 460-639610/2-A		1012045	4.46	4189268	5.67	2094358	7.33
LCSD 460-639610/3-A		1019915	4.46	4187088	5.67	2092815	7.33
LCS 460-639610/4-A		1043105	4.46	4167175	5.66	2025740	7.32
LCSD 460-639610/5-A		1070394	4.46	4318643	5.66	2090179	7.32
460-191351-2 MS	MW-17D 091019 MS	887085	4.46	3585507	5.66	1757671	7.33
460-191351-2 MSD	MW-17D 091019 MSD	825112	4.46	3374772	5.66	1657638	7.33
460-191351-1	MW-171 091119	1004631	4.46	3989624	5.66	1922034	7.32
460-191351-3	DUP	1006698	4.46	4008773	5.66	1929889	7.32
460-191351-4	MW-2 091119	998946	4.46	4004252	5.66	1932964	7.32
460-191351-5	MW-2I 091119	900801	4.46	3602239	5.66	1729635	7.32
460-191351-6	MW-46I 091119	942648	4.46	3776473	5.66	1784141	7.32
460-191351-7	MW-40D 091119	879881	4.46	3595890	5.66	1742158	7.32
460-191351-8	TW-2S 091119	831171	4.46	3315747	5.66	1604838	7.32
460-191351-9	MW-38D 091119	971061	4.46	3915896	5.66	1888747	7.32
460-191351-11	MW-36I 091119	881977	4.46	3541864	5.66	1700827	7.32
460-191351-12	MW-36D 091119	918606	4.46	3728684	5.66	1793771	7.32
460-191351-10	MW-38I 091119	808100	4.46	3163196	5.66	1571785	7.32
460-191351-13	MW-17 091119	769862	4.46	3084051	5.66	1479134	7.32

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.: 460-191351-1

SDG No.:

Sample No.: CCVIS 460-639701/2 Date Analyzed: 09/16/2019 19:19

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

Lab File ID (Standard): A163890.D Heated Purge: (Y/N) N

Calibration ID: 76436

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2340700	8.72	1466865	11.34	1765887	13.22
UPPER LIMIT		4681400	9.22	2933730	11.84	3531774	13.72
LOWER LIMIT		1170350	8.22	733433	10.84	882944	12.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-639701/3		2378840	8.72	1601239	11.33	1770383	13.22
MB 460-639610/1-A		3010272	8.72	1668901	11.33	1928045	13.22
LCS 460-639610/2-A		3252689	8.72	1918310	11.34	2528849	13.23
LCSD 460-639610/3-A		3246209	8.73	1857158	11.35	2624646	13.23
LCS 460-639610/4-A		3059668	8.72	1664083	11.33	1969104	13.22
LCSD 460-639610/5-A		3193369	8.72	1762225	11.33	1987589	13.22
460-191351-2 MS	MW-17D 091019 MS	2664447	8.72	1418718	11.34	1867091	13.22
460-191351-2 MSD	MW-17D 091019 MSD	2543911	8.72	1418789	11.34	1832700	13.22
460-191351-1	MW-171 091119	2898645	8.72	1613154	11.33	1893344	13.22
460-191351-3	DUP	2883886	8.72	1657704	11.33	1923936	13.22
460-191351-4	MW-2 091119	2905420	8.72	1619176	11.33	1945690	13.22
460-191351-5	MW-2I 091119	2651138	8.72	1541769	11.33	1934926	13.22
460-191351-6	MW-46I 091119	2672787	8.72	1572091	11.33	1853832	13.22
460-191351-7	MW-40D 091119	2726387	8.72	1594968	11.33	1921459	13.22
460-191351-8	TW-2S 091119	2430779	8.72	1417844	11.33	1824971	13.22
460-191351-9	MW-38D 091119	2906242	8.72	1619983	11.33	1900348	13.22
460-191351-11	MW-36I 091119	2647745	8.72	1561195	11.33	1895077	13.22
460-191351-12	MW-36D 091119	2767874	8.72	1615268	11.33	1935120	13.22
460-191351-10	MW-38I 091119	2454538	8.72	1525679	11.33	2096019	13.22
460-191351-13	MW-17 091119	2429823	8.72	1607704	11.33	2119452	13.22

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Sample No.: ICIS 460-638750/2 Date Analyzed: 09/12/2019 09:48

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P083242.D Heated Purge: (Y/N) N

Calibration ID: 76730

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		577034	4.44	2315742	5.65	1165707	7.32
UPPER LIMIT		1154068	4.94	4631484	6.15	2331414	7.82
LOWER LIMIT		288517	3.94	1157871	5.15	582854	6.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-638750/10		609121	4.44	2315881	5.65	1085194	7.31

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.: 460-191351-1

SDG No.:

Sample No.: ICIS 460-638750/2 Date Analyzed: 09/12/2019 09:48

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P083242.D Heated Purge: (Y/N) N

Calibration ID: 76730

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1959053	8.71	1848660	11.34	1928535	13.23
UPPER LIMIT		3918106	9.21	3697320	11.84	3857070	13.73
LOWER LIMIT		979527	8.21	924330	10.84	964268	12.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-638750/10		1977704	8.71	1748393	11.33	1607967	13.22

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Sample No.: CCVIS 460-639842/2 Date Analyzed: 09/17/2019 08:57

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P083346.D Heated Purge: (Y/N) N

Calibration ID: 76734

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		594086	4.44	2310043	5.65	1184451	7.31
UPPER LIMIT		1188172	4.94	4620086	6.15	2368902	7.81
LOWER LIMIT		297043	3.94	1155022	5.15	592226	6.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-639842/3		553222	4.44	2164441	5.65	1114451	7.31
MB 460-639875/1-A		704423	4.44	2849758	5.65	1546798	7.31
LCS 460-639875/2-A		547898	4.44	2168397	5.65	1099673	7.31
LCSD 460-639875/3-A		588241	4.44	2354064	5.65	1139906	7.31
LCS 460-639875/4-A		546089	4.44	2203735	5.65	1155596	7.31
LCSD 460-639875/5-A		534180	4.44	2109208	5.65	1060190	7.31
460-191351-2	MW-17D 091019	559260	4.44	2157971	5.65	1153458	7.31

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.: 460-191351-1

SDG No.:

Sample No.: CCVIS 460-639842/2 Date Analyzed: 09/17/2019 08:57

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P083346.D Heated Purge: (Y/N) N

Calibration ID: 76734

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1866296	8.71	1217117	11.33	1143901	13.21
UPPER LIMIT		3732592	9.21	2434234	11.83	2287802	13.71
LOWER LIMIT		933148	8.21	608559	10.83	571951	12.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-639842/3		1880607	8.71	1373640	11.33	1271283	13.21
MB 460-639875/1-A		2502617	8.71	2027051	11.33	1962270	13.21
LCS 460-639875/2-A		1816627	8.71	1478029	11.33	1446135	13.21
LCSD 460-639875/3-A		1883741	8.71	1155650	11.33	1113937	13.22
LCS 460-639875/4-A		1910213	8.71	1444270	11.33	1429554	13.21
LCSD 460-639875/5-A		1808797	8.71	1621633	11.33	1914646	13.21
460-191351-2	MW-17D 091019	1874437	8.71	1328822	11.32	1302705	13.21

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.: 460-191351-1

SDG No.:

Client Sample ID: MW-171 091119 Lab Sample ID: 460-191351-1

Matrix: Water Lab File ID: A163901.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:00

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 23:28

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-171 091119 Lab Sample ID: 460-191351-1

Matrix: Water Lab File ID: A163901.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:00

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 23:28

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-171 091119 Lab Sample ID: 460-191351-1

Matrix: Water Lab File ID: A163901.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:00

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 23:28

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	112		26-139
321-60-8	2-Fluorobiphenyl	93		45-107
367-12-4	2-Fluorophenol (Surr)	43		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	99		51-108
4165-62-2	Phenol-d5 (Surr)	29		14-39
1718-51-0	Terphenyl-d14 (Surr)	85		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163901.D
Lims ID: 460-191351-E-1-A
Client ID: MW-171 091119
Sample Type: Client
Inject. Date: 16-Sep-2019 23:28:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-013
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:58:23 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 13:58:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	775193	4.32	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	601086	2.89	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	1004631	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.976	0.000	86	1700384	9.88	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	3989624	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.687	-0.006	98	3418947	9.29	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1922034	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.068	-0.006	94	386235	11.2	
* 87 Phenanthrene-d10	188	8.716	8.722	-0.006	98	2898645	8.00	
$ 96 Terphenyl-d14	244	10.228	10.222	0.000	100	1965606	8.46	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1613154	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	98	1893344	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

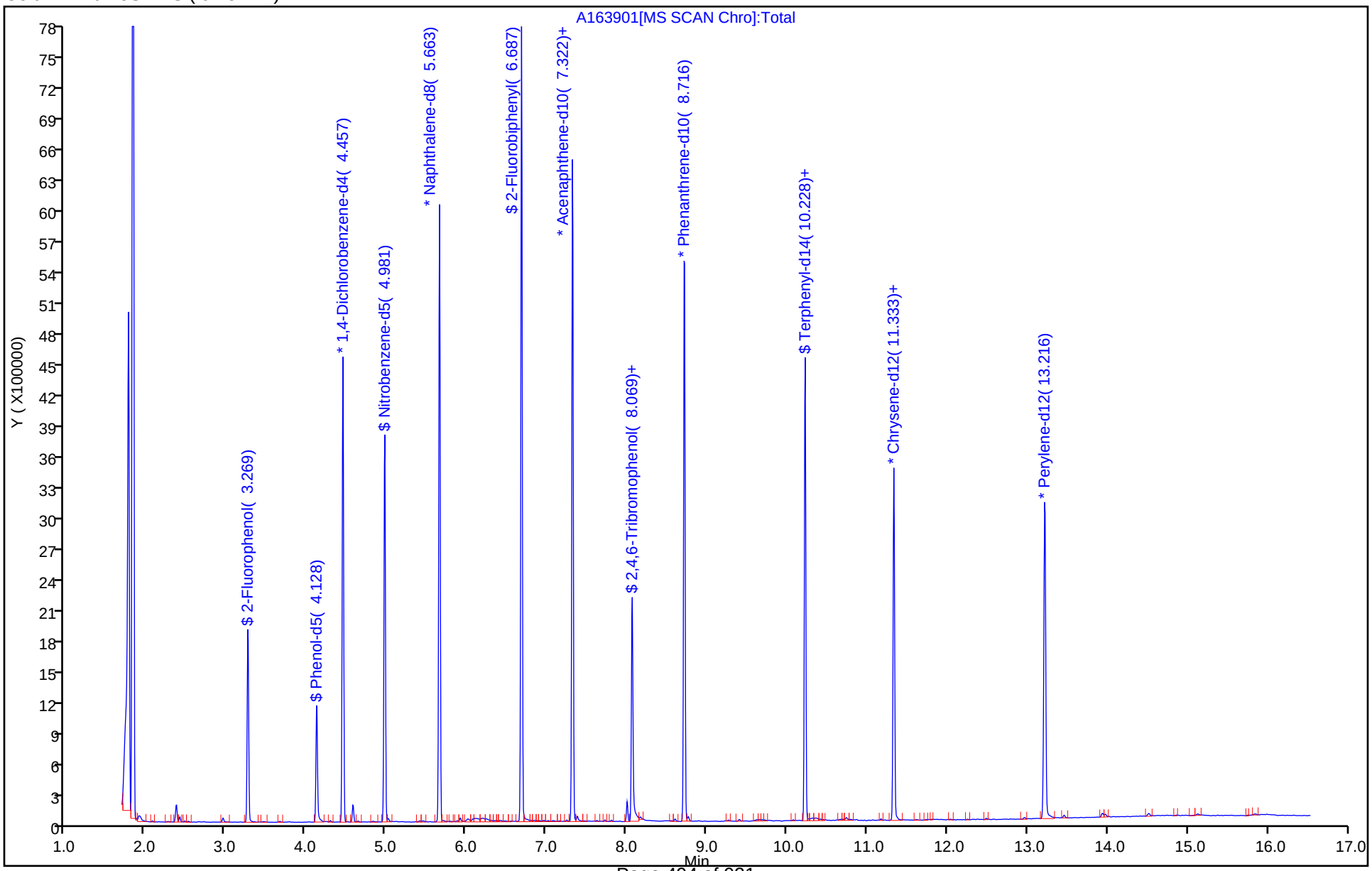
Report Date: 17-Sep-2019 13:58:23 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163901.D

Injection Date:	16-Sep-2019 23:28:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-E-1-A	Lab Sample ID:	460-191351-1	Worklist Smp#:	13
Client ID:	MW-171 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



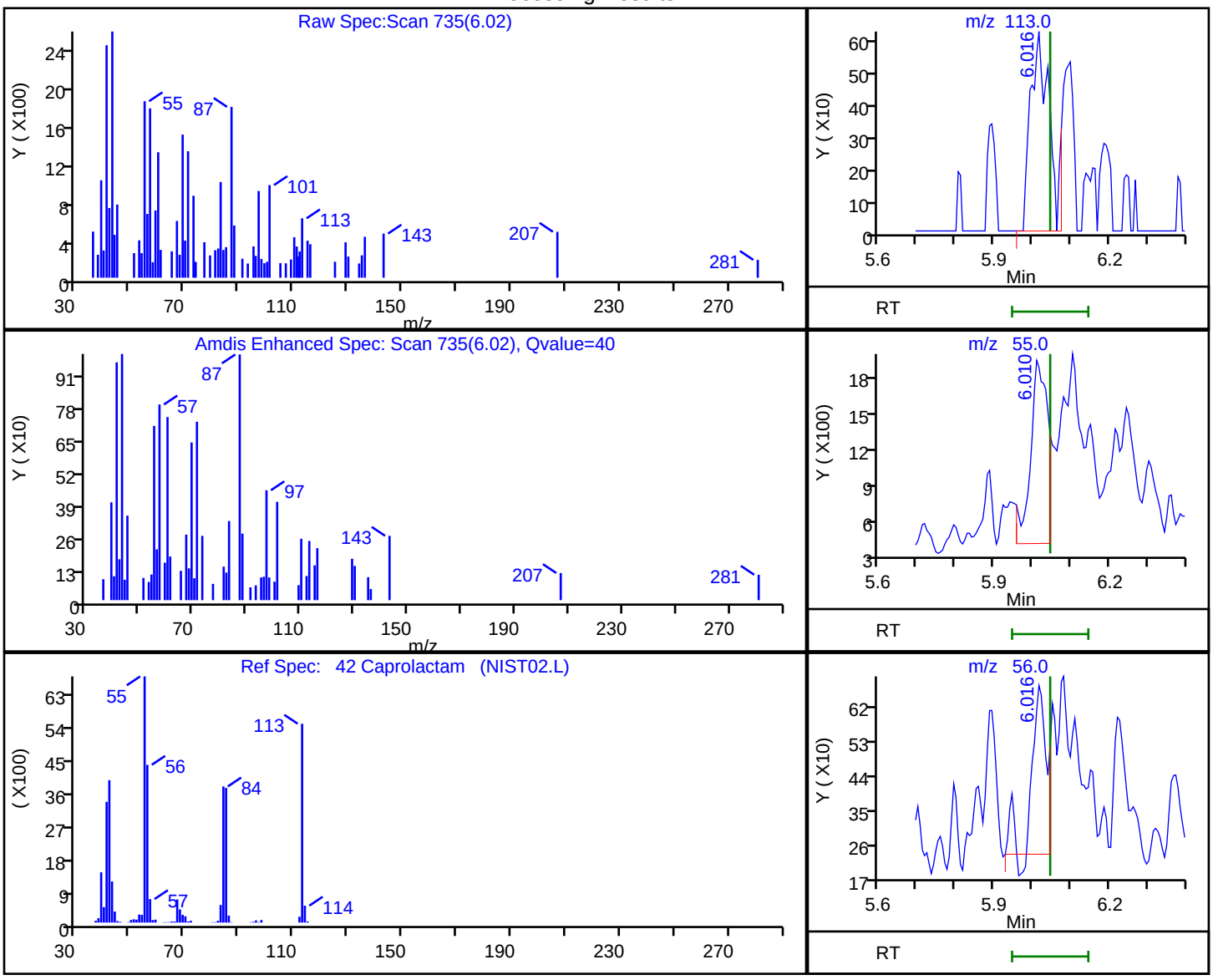
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163901.D				
Injection Date:	16-Sep-2019 23:28:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-1-A	Lab Sample ID:	460-191351-1		
Client ID:	MW-171 091119				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Processing Results



RT	Mass	Response	Amount
6.02	113.00	2183	0.060069
6.01	55.00	4686	
6.02	56.00	1177	

Reviewer: maheseep, 17-Sep-2019 13:58:07

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.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 Lab Sample ID: 460-191351-2

Matrix: Water Lab File ID: P083372.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 18:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 Lab Sample ID: 460-191351-2

Matrix: Water Lab File ID: P083372.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 18:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 Lab Sample ID: 460-191351-2

Matrix: Water Lab File ID: P083372.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 18:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	94		26-139
321-60-8	2-Fluorobiphenyl	83		45-107
367-12-4	2-Fluorophenol (Surr)	40		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	92		51-108
4165-62-2	Phenol-d5 (Surr)	27		14-39
1718-51-0	Terphenyl-d14 (Surr)	91		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D
Lims ID: 460-191351-F-2-C
Client ID: MW-17D 091019
Sample Type: Client
Inject. Date: 17-Sep-2019 18:13:30 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-028
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 18-Sep-2019 09:41:26 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: eisam Date: 17-Sep-2019 21:16:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.193	3.196	-0.006	93	428549	4.03	
$ 6 Phenol-d5	99	4.071	4.077	-0.010	98	364470	2.74	
* 14 1,4-Dichlorobenzene-d4	152	4.436	4.439	-0.003	98	559260	8.00	
$ 27 Nitrobenzene-d5	82	4.959	4.961	-0.004	87	1082095	9.23	
* 38 Naphthalene-d8	136	5.645	5.648	-0.003	100	2157971	8.00	
$ 51 2-Fluorobiphenyl	172	6.671	6.672	-0.004	98	1792837	8.32	
* 64 Acenaphthene-d10	164	7.309	7.312	-0.003	97	1153458	8.00	
$ 80 2,4,6-Tribromophenol	330	8.049	8.051	-0.006	95	306073	9.36	
* 87 Phenanthrene-d10	188	8.706	8.709	-0.003	99	1874437	8.00	
$ 96 Terphenyl-d14	244	10.214	10.214	-0.006	100	1666738	9.12	
* 102 Chrysene-d12	240	11.323	11.332	-0.009	99	1328822	8.00	
* 109 Perylene-d12	264	13.207	13.214	-0.007	99	1302705	8.00	

Reagents:

SM_ISTD_LVI_00187 Amount Added: 20.00 Units: uL Run Reagent

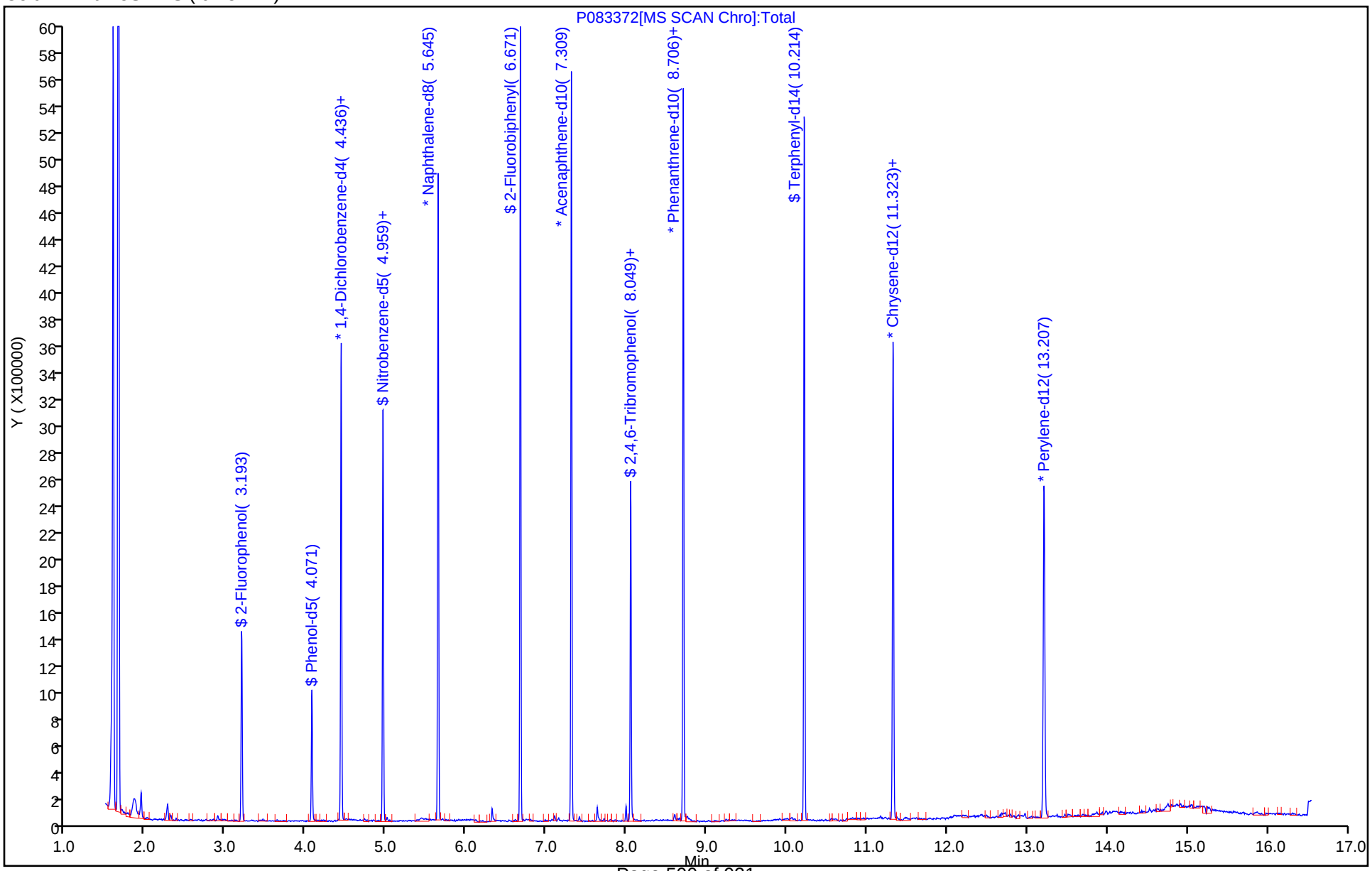
Report Date: 18-Sep-2019 09:43:30 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D

Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2	Worklist Smp#:	28
Client ID:	MW-17D 091019				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



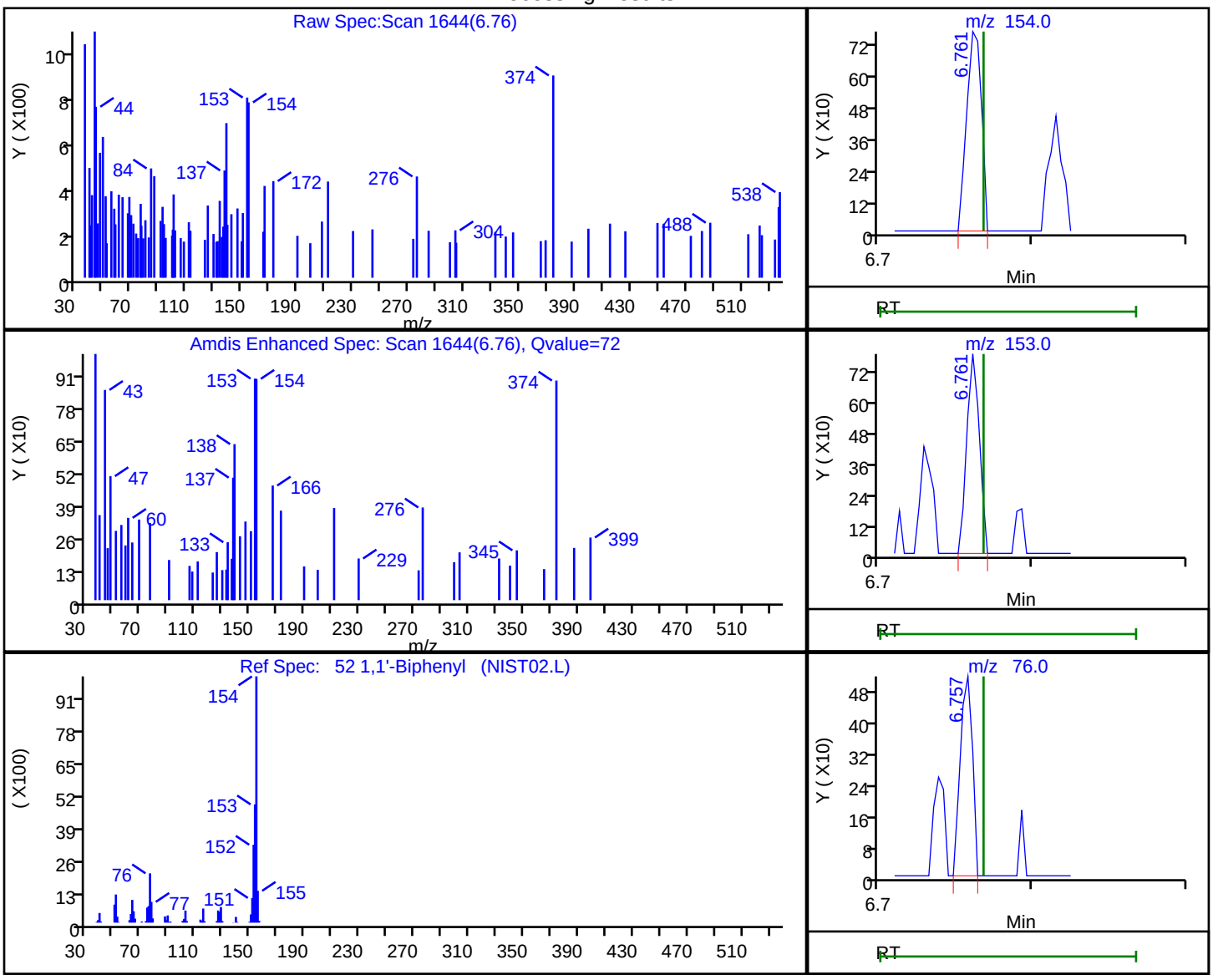
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.76	154.00	511	0.002271
6.76	153.00	449	
6.76	76.00	285	

Reviewer: eisam, 17-Sep-2019 21:15:24

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

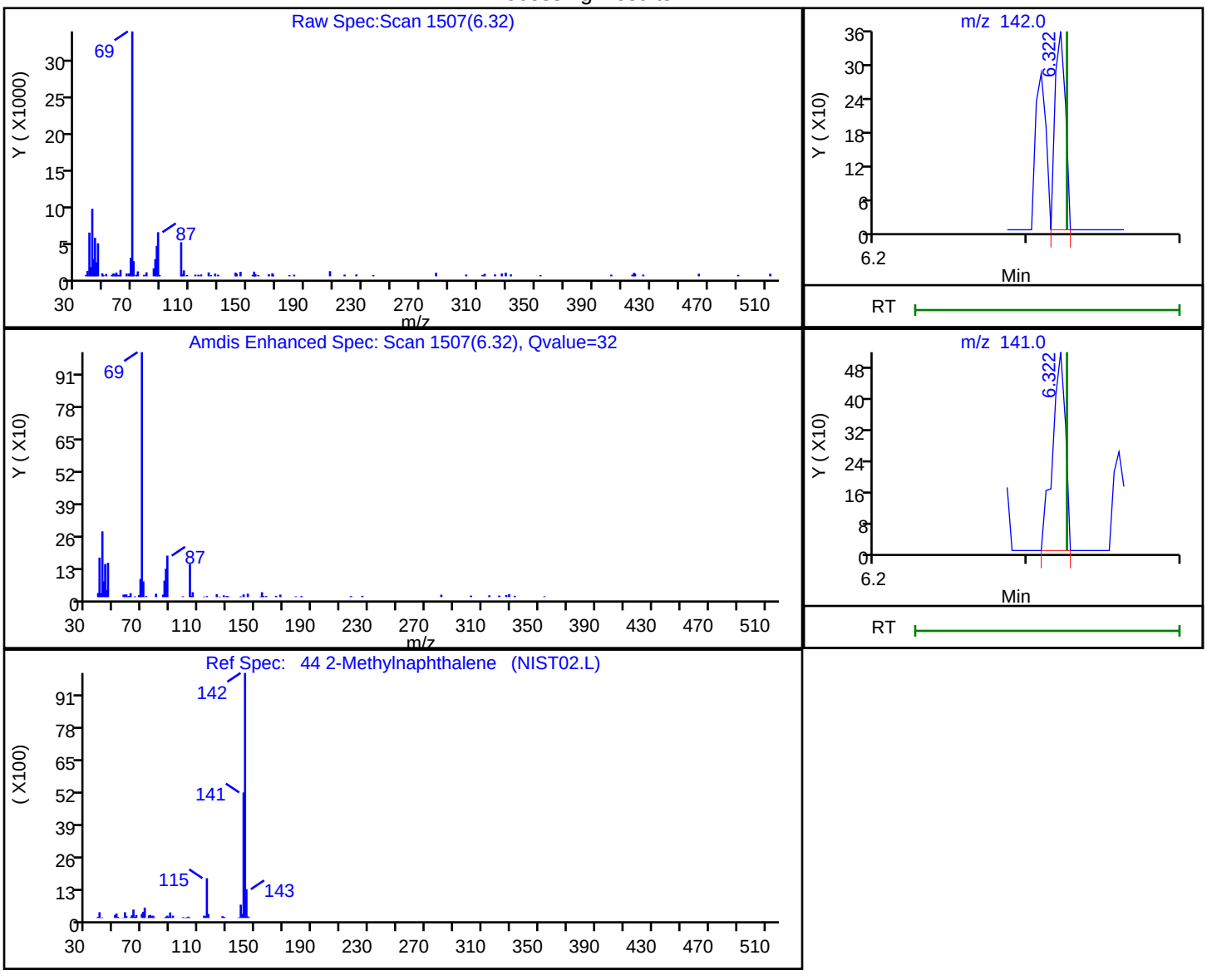
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
6.32	142.00	164	0.000918
6.32	141.00	300	

Reviewer: eisam, 17-Sep-2019 21:15:32

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

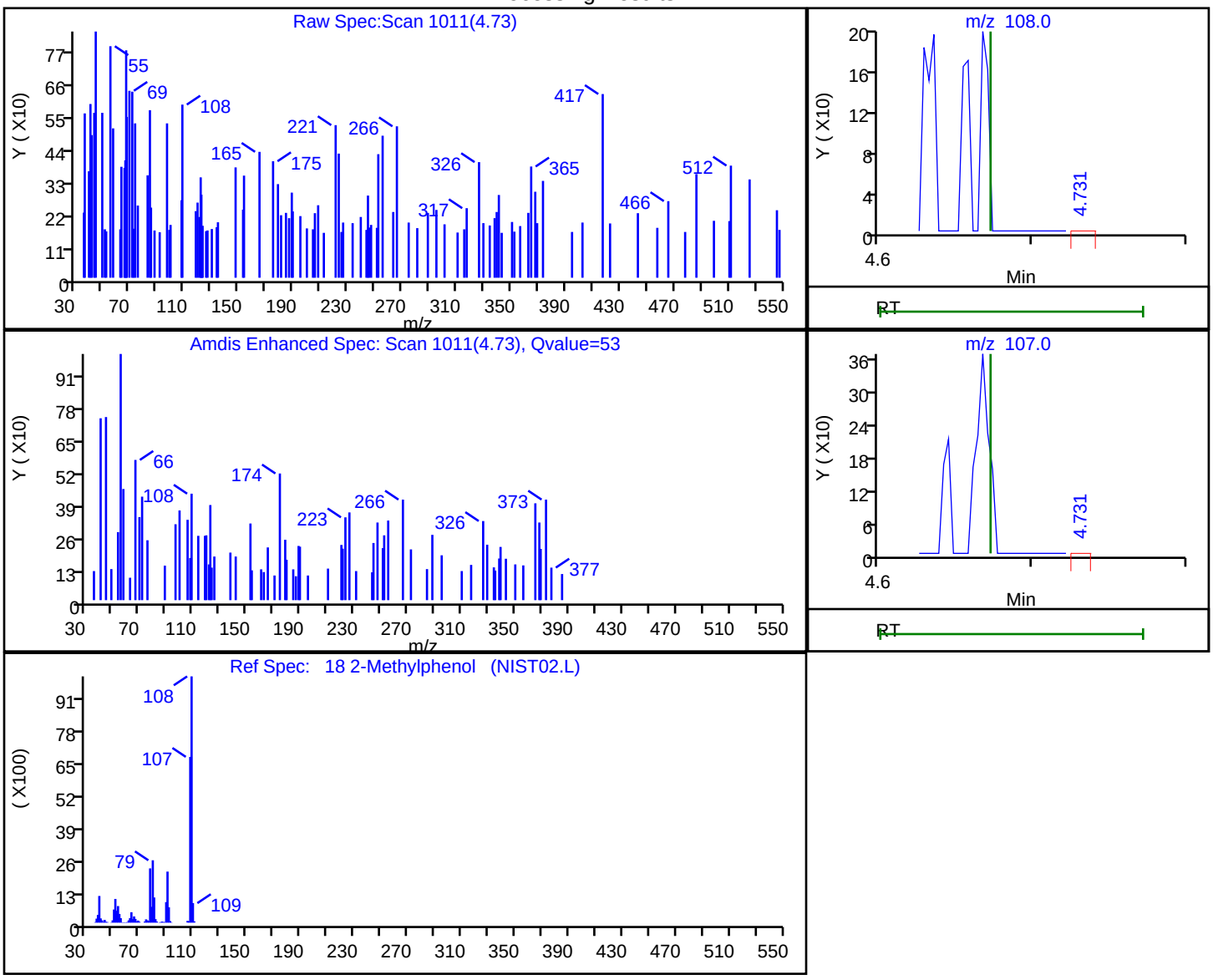
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D		
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2
Client ID:	MW-17D 091019		
Operator ID:		ALS Bottle#:	28 Worklist Smp#: 28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

18 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.73	108.00	301	0.003065
4.73	107.00	125	

Reviewer: eisam, 17-Sep-2019 21:15:51

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

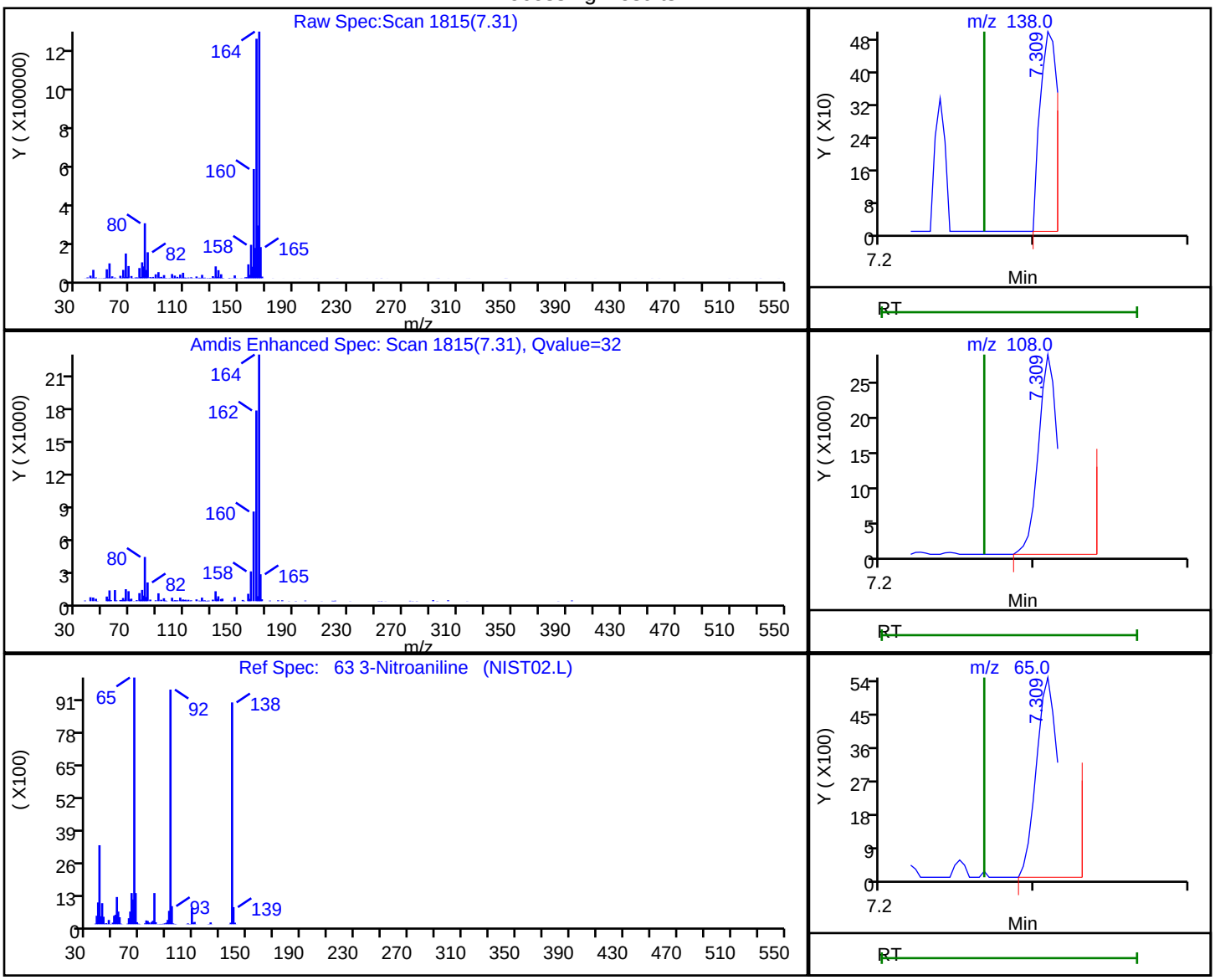
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.31	138.00	380	0.007912
7.31	108.00	24624	
7.31	65.00	5515	

Reviewer: eisam, 17-Sep-2019 21:15:22

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

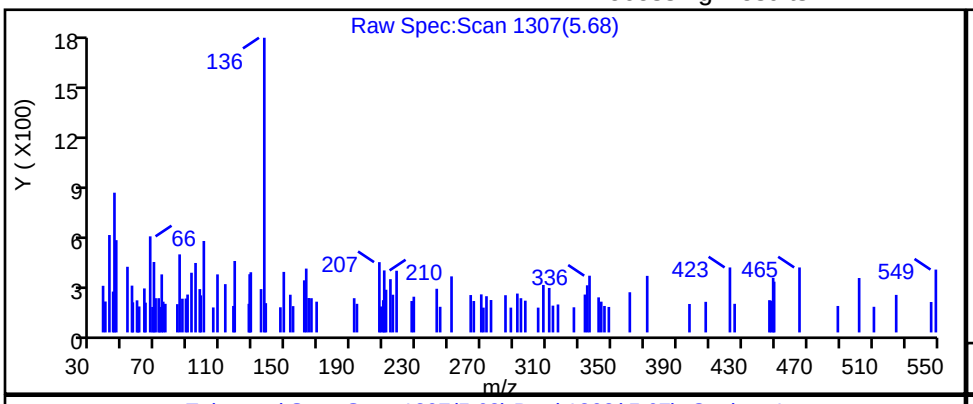
User Disabled Compound Report

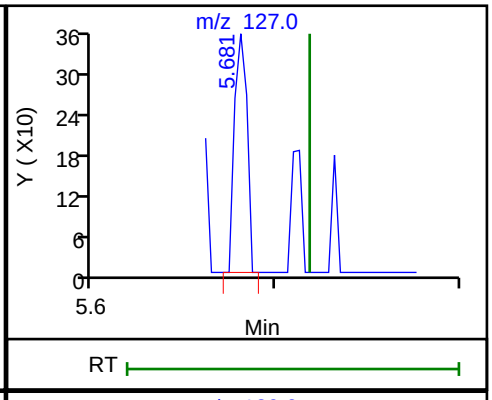
Eurofins TestAmerica, Edison

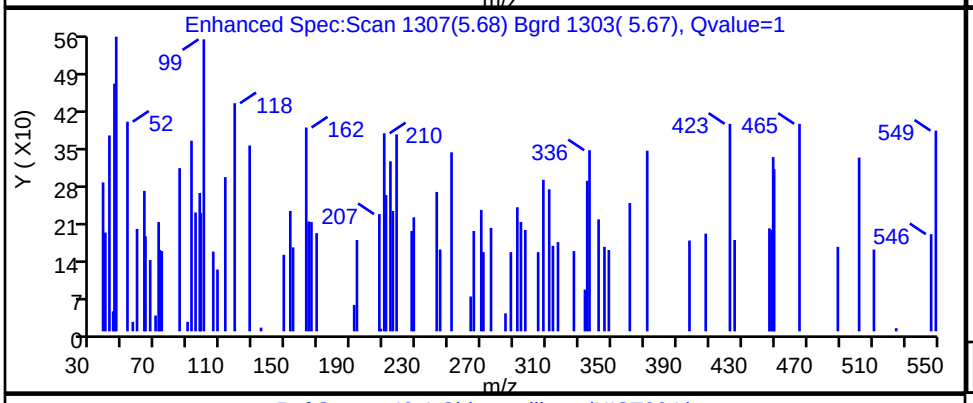
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

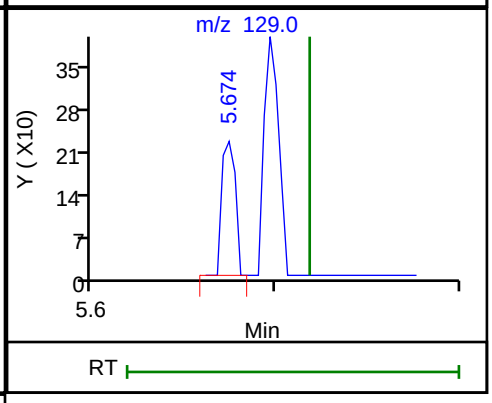
40 4-Chloroaniline, CAS: 106-47-8

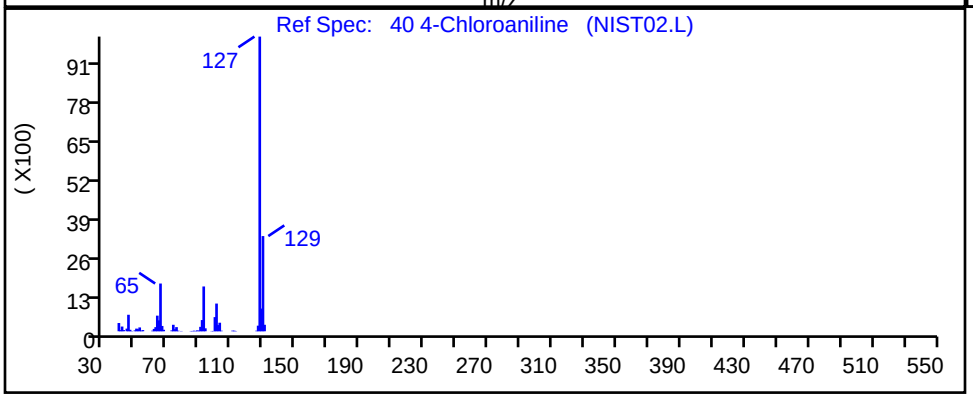
Processing Results











RT	Mass	Response	Amount
5.68	127.00	168	0.001393
5.67	129.00	113	

Reviewer: eisam, 17-Sep-2019 21:15:37

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

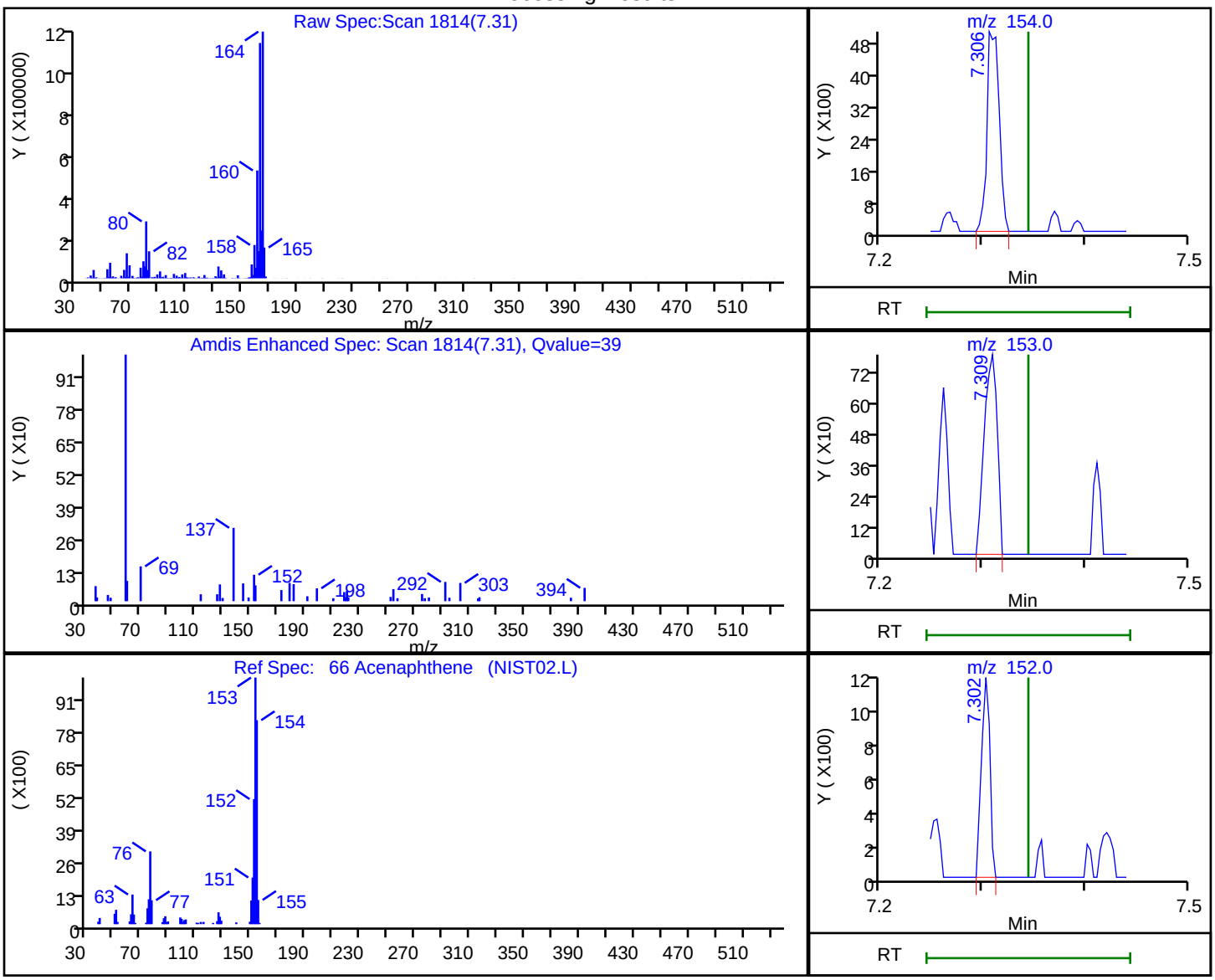
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.31	154.00	4207	0.024935
7.31	153.00	690	
7.30	152.00	643	

Reviewer: eisam, 17-Sep-2019 21:15:19

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

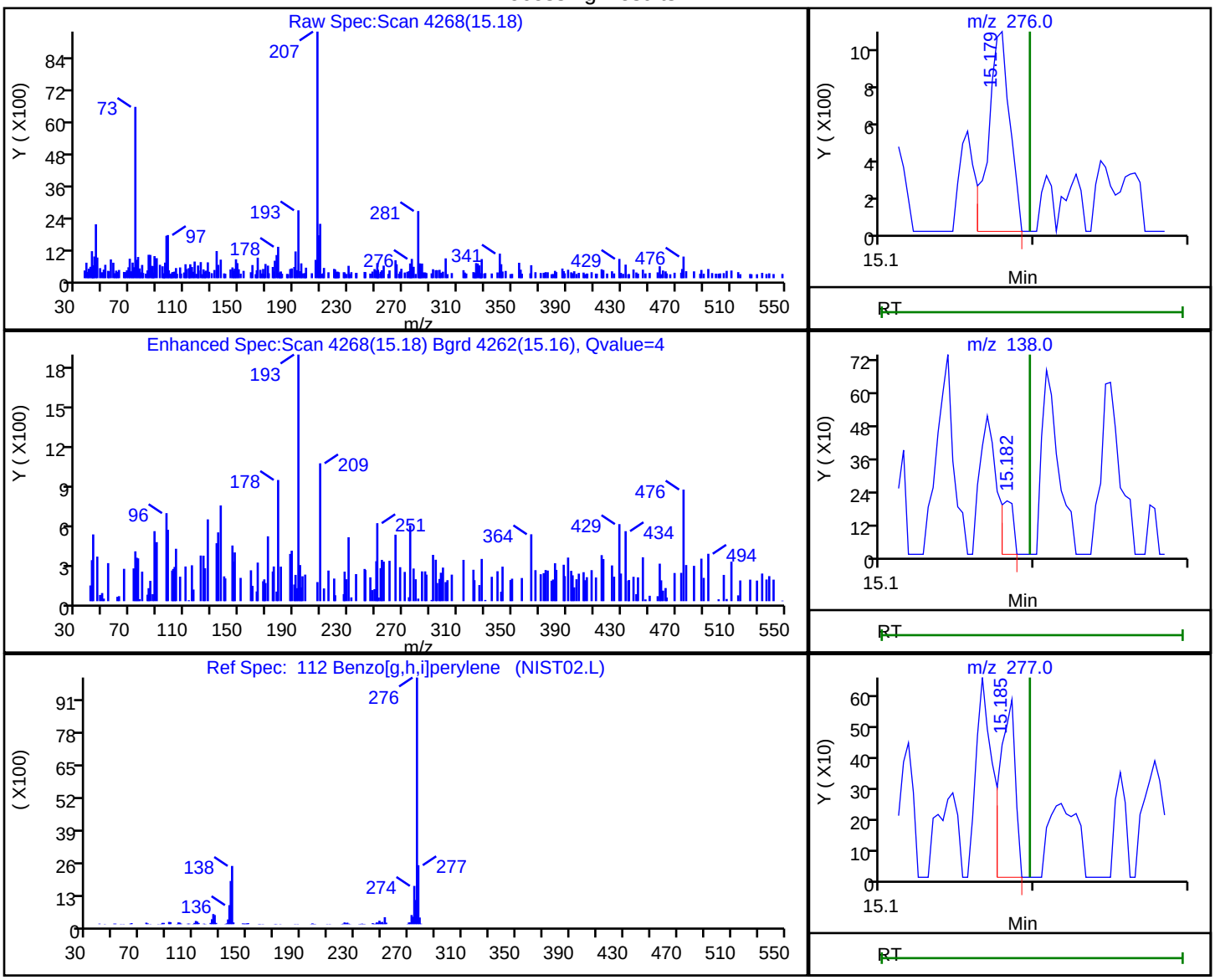
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
15.18	276.00	955	0.005684
15.18	138.00	110	
15.19	277.00	395	

Reviewer: eisam, 17-Sep-2019 21:14:43

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

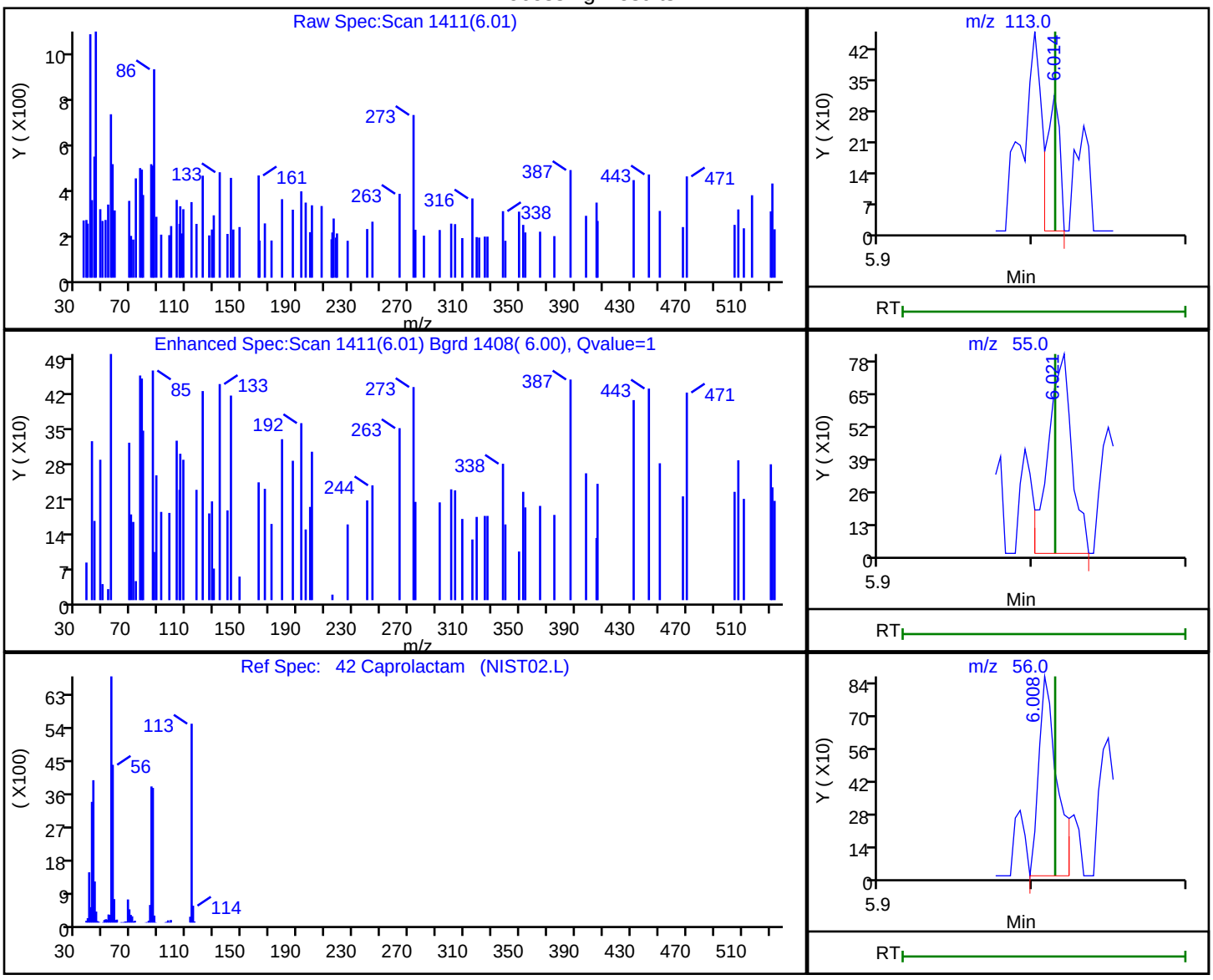
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Processing Results



RT	Mass	Response	Amount
6.01	113.00	185	0.007410
6.02	55.00	865	
6.01	56.00	711	

Reviewer: eisam, 17-Sep-2019 21:15:34

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

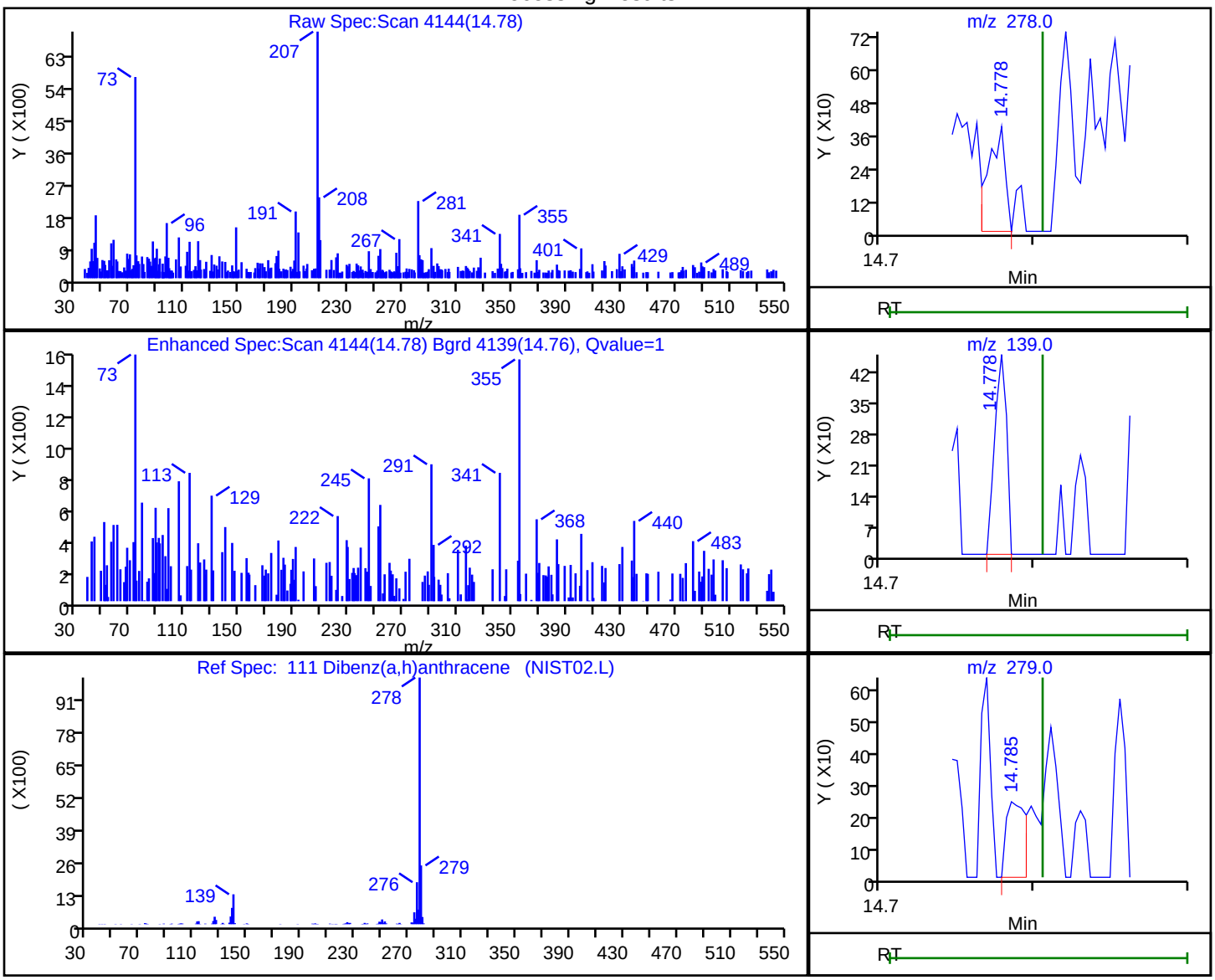
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
14.78	278.00	293	0.001785
14.78	139.00	247	
14.78	279.00	210	

Reviewer: eisam, 17-Sep-2019 21:14:55

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

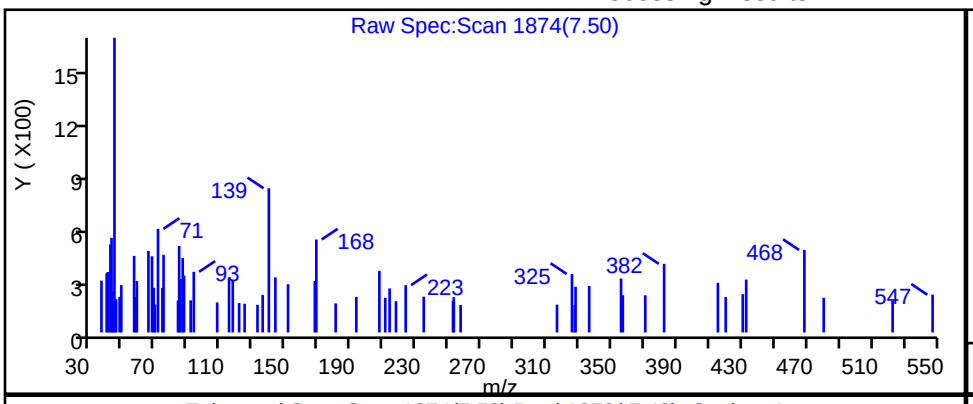
User Disabled Compound Report

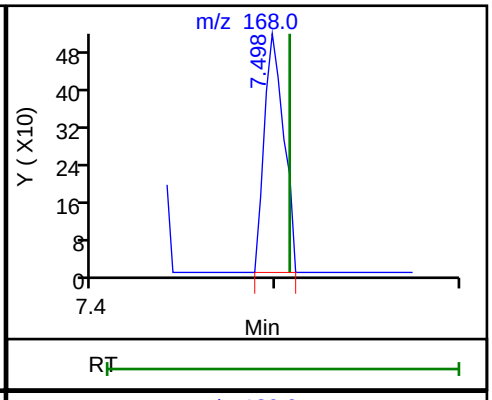
Eurofins TestAmerica, Edison

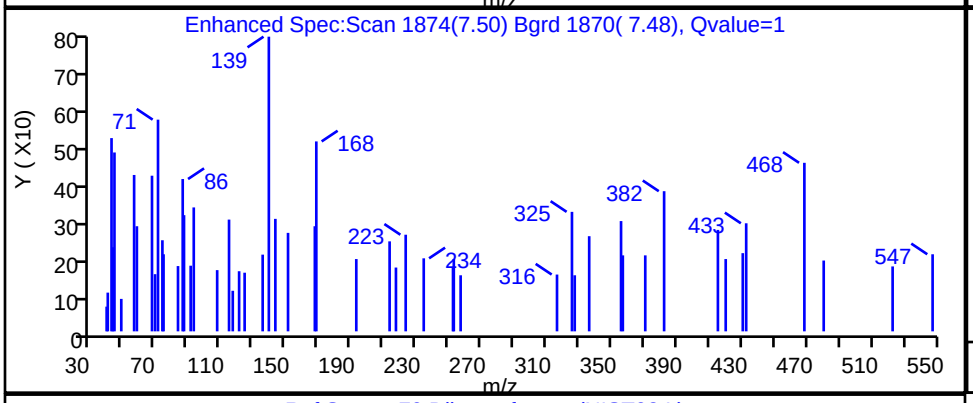
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

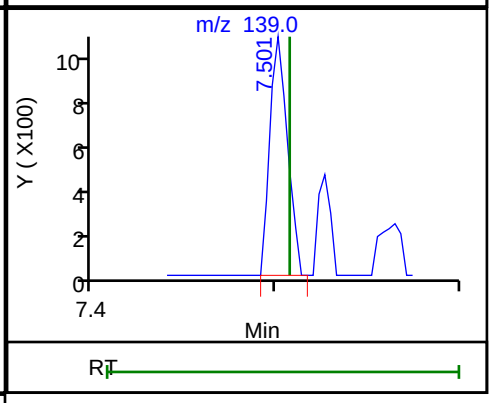
70 Dibenzofuran, CAS: 132-64-9

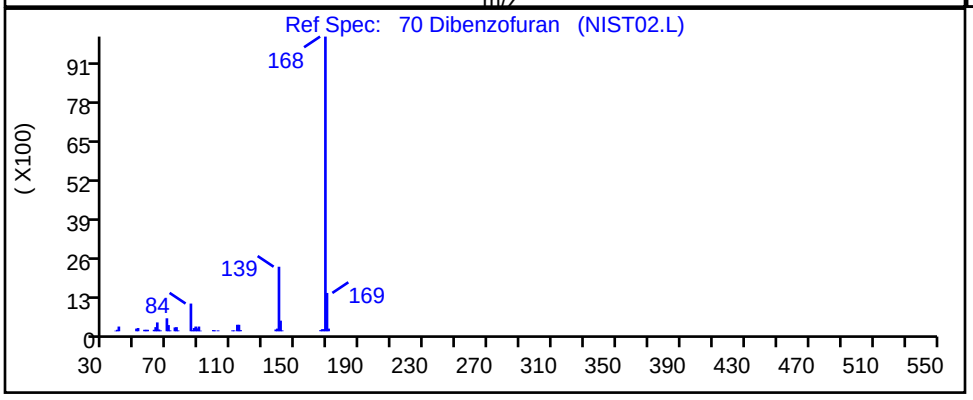
Processing Results











RT	Mass	Response	Amount
7.50	168.00	382	0.001628
7.50	139.00	673	

Reviewer: eisam, 17-Sep-2019 21:15:17

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

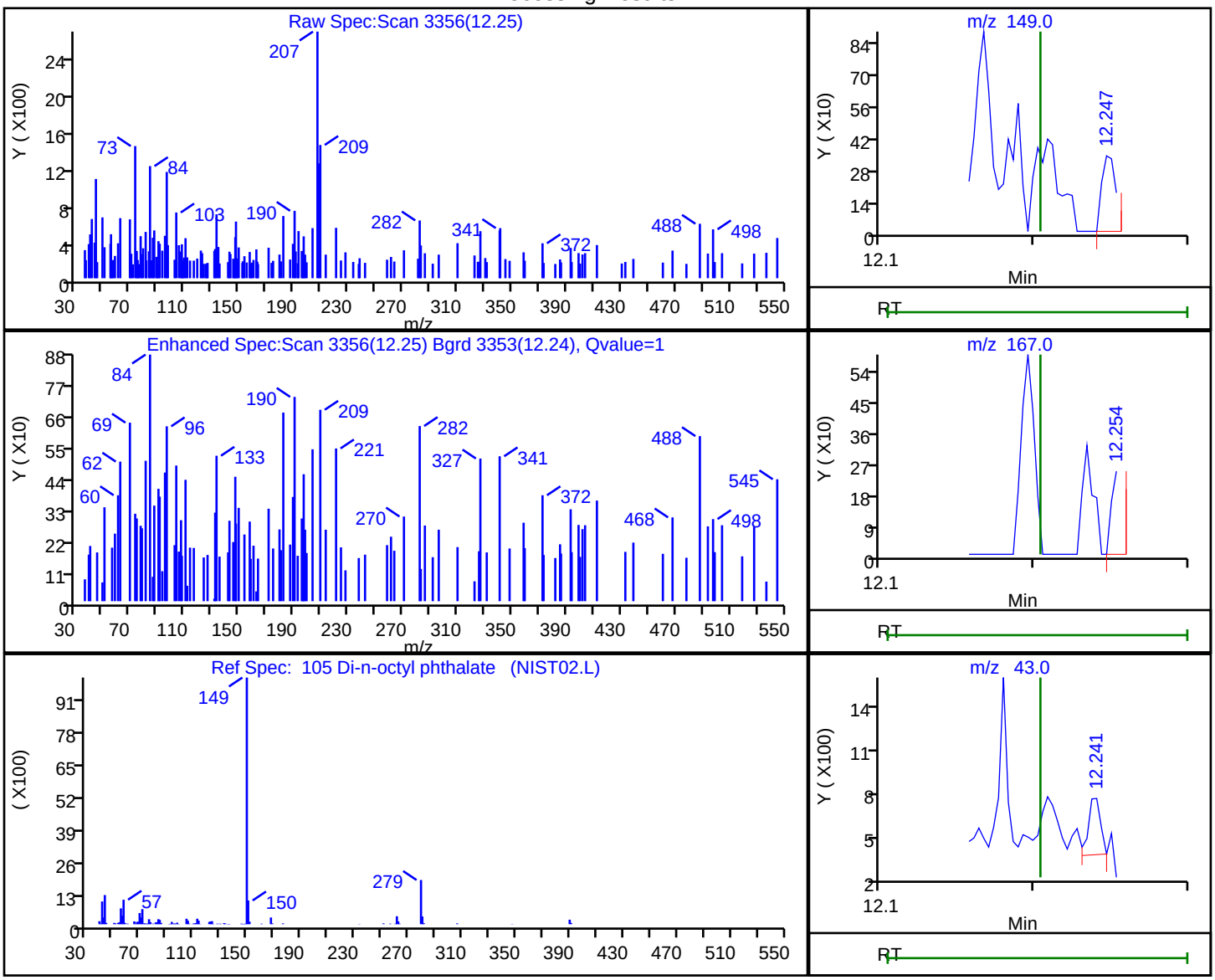
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
12.25	149.00	201	0.000904
12.25	167.00	116	
12.24	43.00	204	

Reviewer: eisam, 17-Sep-2019 21:15:04

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

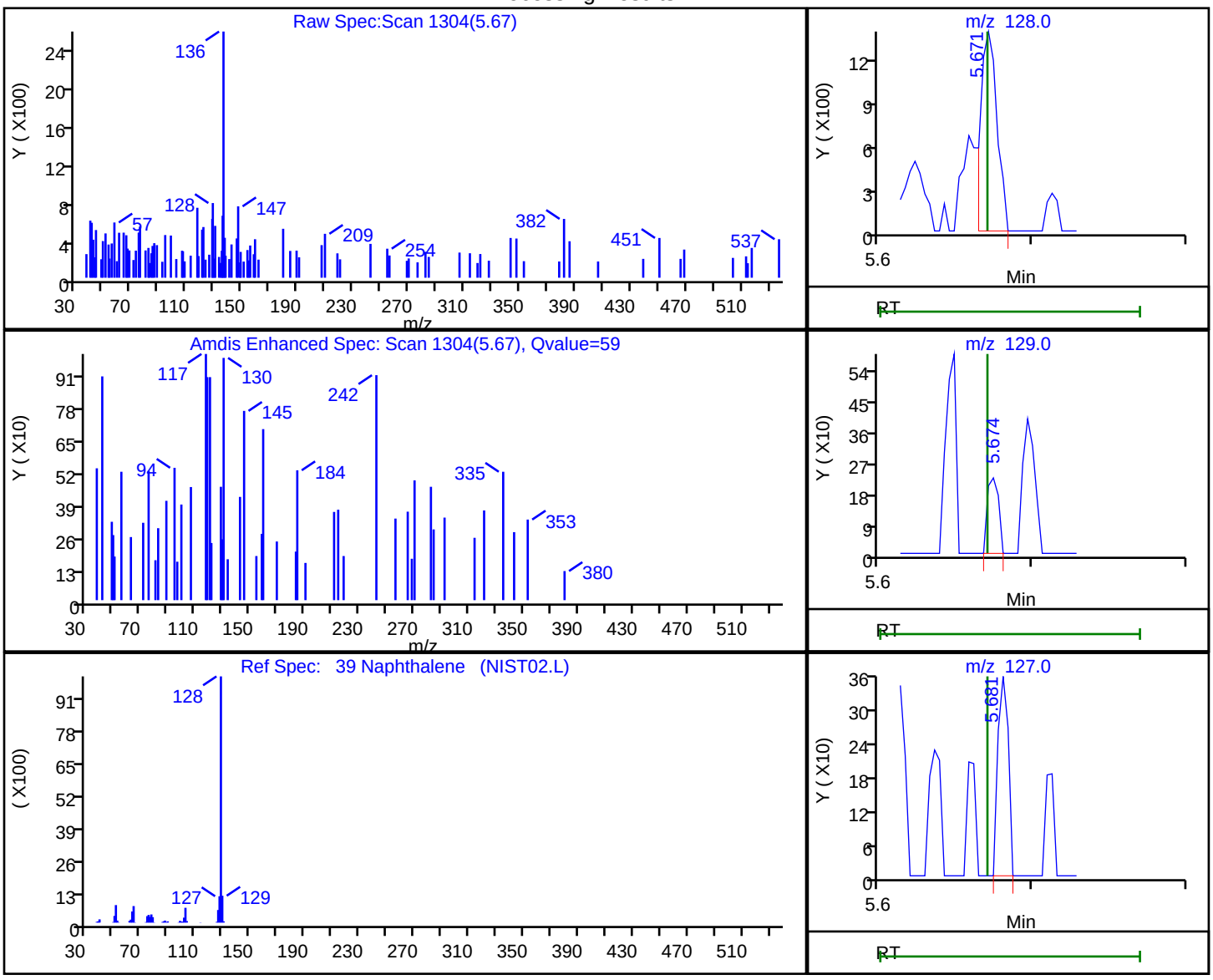
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083372.D				
Injection Date:	17-Sep-2019 18:13:30	Instrument ID:	CBNAMS18		
Lims ID:	460-191351-F-2-C	Lab Sample ID:	460-191351-2		
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.67	128.00	1021	0.003618
5.67	129.00	113	
5.68	127.00	167	

Reviewer: eisam, 17-Sep-2019 21:15:45

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.: 460-191351-1

SDG No.:

Client Sample ID: DUP | Lab Sample ID: 460-191351-3

Matrix: Water | Lab File ID: A163902.D

Analysis Method: 8270D | Date Collected: 09/10/2019 00:00

Extract. Method: 3510C | Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) | Date Analyzed: 09/16/2019 23:48

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 639701 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 460-191351-3

Matrix: Water Lab File ID: A163902.D

Analysis Method: 8270D Date Collected: 09/10/2019 00:00

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 23:48

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 460-191351-3

Matrix: Water Lab File ID: A163902.D

Analysis Method: 8270D Date Collected: 09/10/2019 00:00

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 23:48

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	105		26-139
321-60-8	2-Fluorobiphenyl	87		45-107
367-12-4	2-Fluorophenol (Surr)	40		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	94		51-108
4165-62-2	Phenol-d5 (Surr)	27		14-39
1718-51-0	Terphenyl-d14 (Surr)	82		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163902.D
Lims ID: 460-191351-F-3-A
Client ID: DUP
Sample Type: Client
Inject. Date: 16-Sep-2019 23:48:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-014
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:58:48 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 13:58:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	718821	4.00	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	557970	2.67	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	1006698	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.976	0.000	86	1618981	9.36	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	4008773	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.687	-0.006	98	3211185	8.69	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1929889	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.068	-0.006	94	361809	10.5	
* 87 Phenanthrene-d10	188	8.716	8.722	-0.006	98	2883886	8.00	
$ 96 Terphenyl-d14	244	10.228	10.222	0.000	100	1965875	8.23	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1657704	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	98	1923936	8.00	

Reagents:

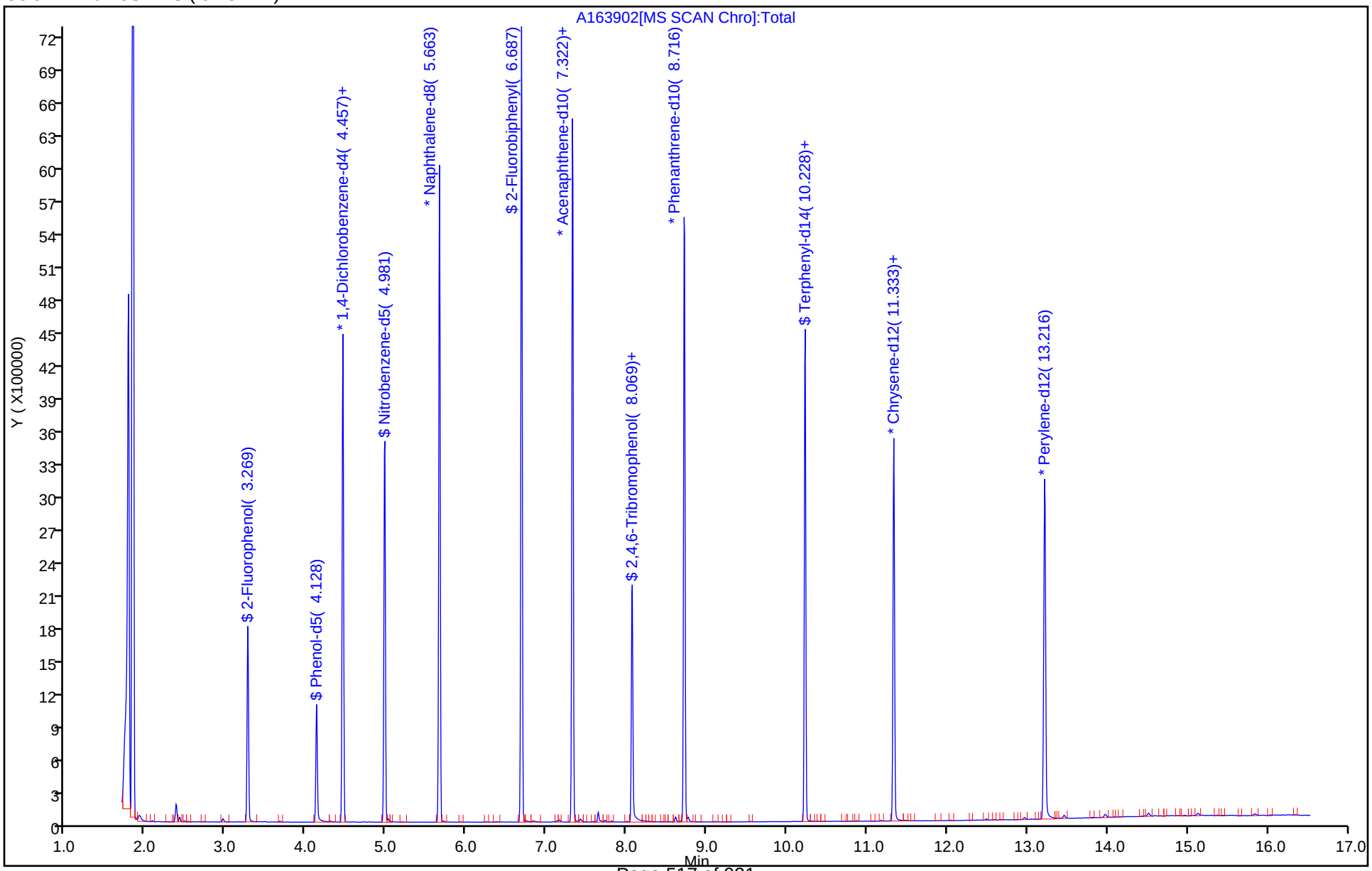
SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 17-Sep-2019 13:58:48 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163902.D				
Injection Date:	16-Sep-2019 23:48:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-3-A	Lab Sample ID:	460-191351-3	Worklist Smp#:	14
Client ID:	DUP				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



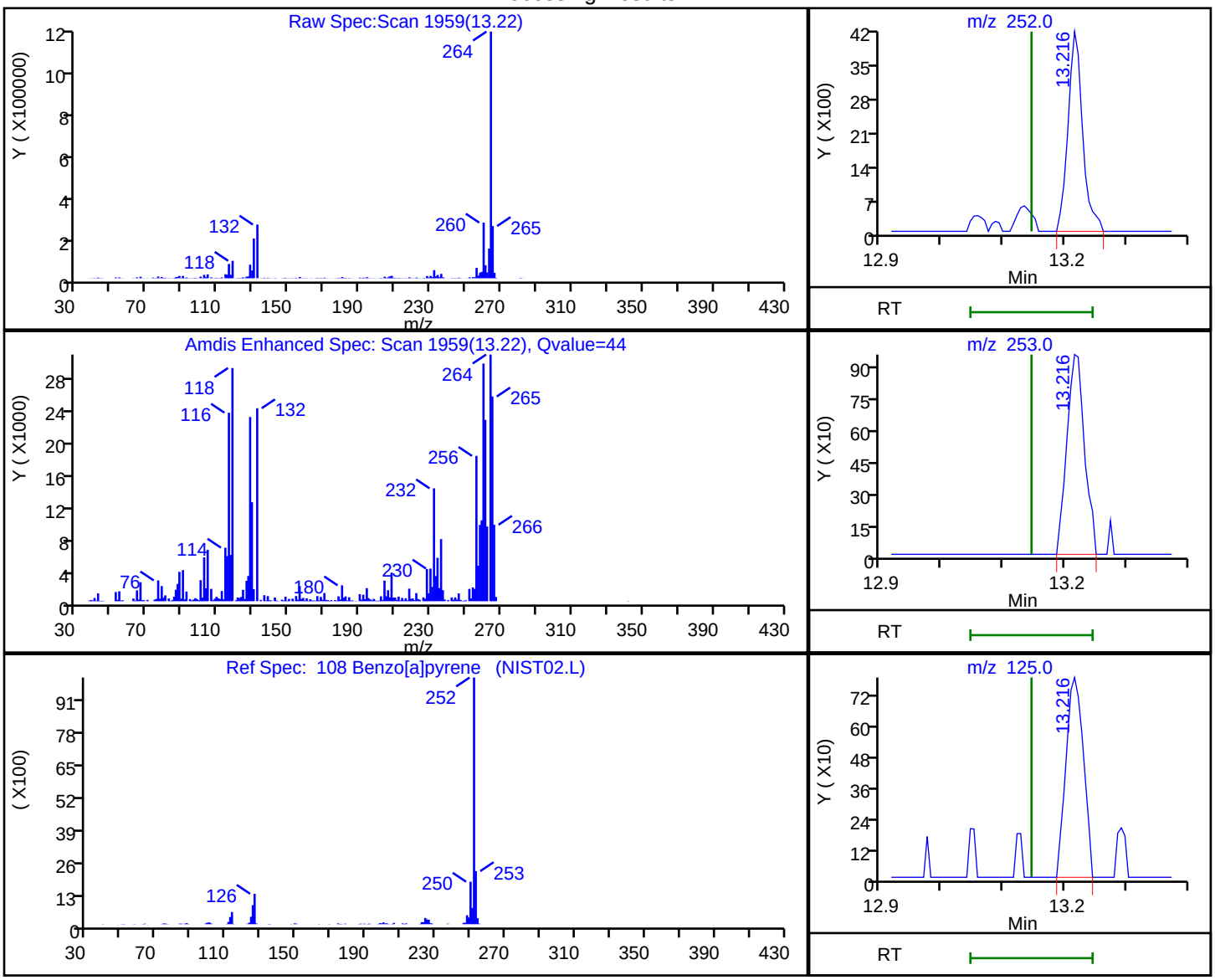
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163902.D				
Injection Date:	16-Sep-2019 23:48:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-3-A	Lab Sample ID:	460-191351-3		
Client ID:	DUP				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	6874	0.025211
13.22	253.00	1921	
13.22	125.00	1567	

Reviewer: maheseep, 17-Sep-2019 13:58:38

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.: 460-191351-1

SDG No.:

Client Sample ID: MW-2 091119 Lab Sample ID: 460-191351-4

Matrix: Water Lab File ID: A163903.D

Analysis Method: 8270D Date Collected: 09/11/2019 08:40

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:09

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2 091119 Lab Sample ID: 460-191351-4

Matrix: Water Lab File ID: A163903.D

Analysis Method: 8270D Date Collected: 09/11/2019 08:40

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:09

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2 091119 Lab Sample ID: 460-191351-4

Matrix: Water Lab File ID: A163903.D

Analysis Method: 8270D Date Collected: 09/11/2019 08:40

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:09

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	104		26-139
321-60-8	2-Fluorobiphenyl	89		45-107
367-12-4	2-Fluorophenol (Surr)	44		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	97		51-108
4165-62-2	Phenol-d5 (Surr)	29		14-39
1718-51-0	Terphenyl-d14 (Surr)	76		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163903.D
Lims ID: 460-191351-E-4-A
Client ID: MW-2 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 00:09:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-015
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:59:09 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 13:59:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	779738	4.37	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	609935	2.94	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	998946	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.976	0.000	88	1667500	9.65	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	4004252	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.687	-0.006	98	3286793	8.88	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	94	1932964	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.068	-0.006	94	361638	10.4	
* 87 Phenanthrene-d10	188	8.716	8.722	-0.006	98	2905420	8.00	
$ 96 Terphenyl-d14	244	10.228	10.222	0.000	100	1765459	7.57	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1619176	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	98	1945690	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

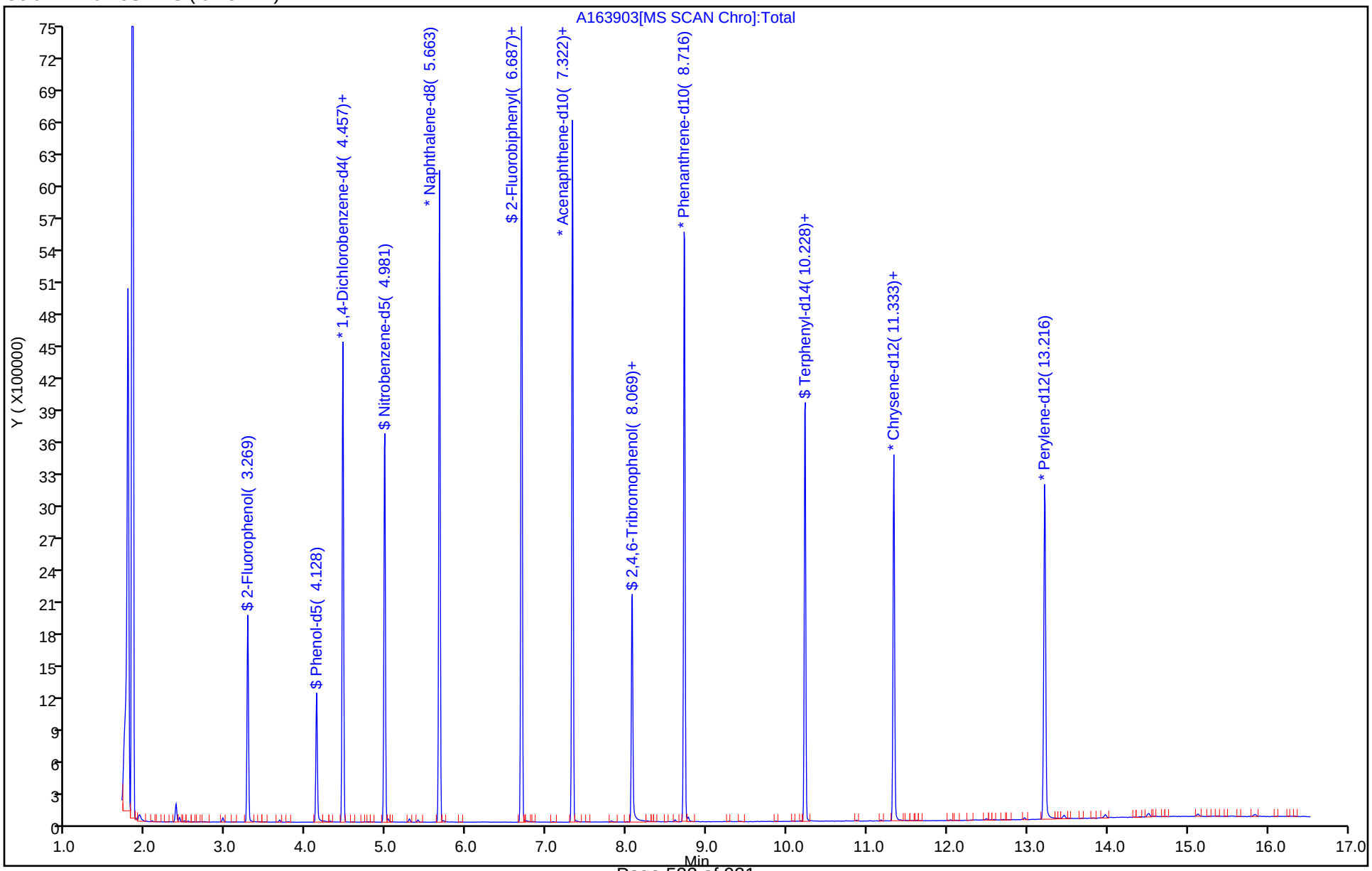
Report Date: 17-Sep-2019 13:59:09 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163903.D

Injection Date:	17-Sep-2019 00:09:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-E-4-A	Lab Sample ID:	460-191351-4	Worklist Smp#:	15
Client ID:	MW-2 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2I 091119 Lab Sample ID: 460-191351-5

Matrix: Water Lab File ID: A163904.D

Analysis Method: 8270D Date Collected: 09/11/2019 08:50

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:31

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2I 091119 Lab Sample ID: 460-191351-5

Matrix: Water Lab File ID: A163904.D

Analysis Method: 8270D Date Collected: 09/11/2019 08:50

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:31

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-2I 091119 Lab Sample ID: 460-191351-5

Matrix: Water Lab File ID: A163904.D

Analysis Method: 8270D Date Collected: 09/11/2019 08:50

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:31

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	106		26-139
321-60-8	2-Fluorobiphenyl	84		45-107
367-12-4	2-Fluorophenol (Surr)	40		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	91		51-108
4165-62-2	Phenol-d5 (Surr)	27		14-39
1718-51-0	Terphenyl-d14 (Surr)	65		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163904.D
Lims ID: 460-191351-E-5-A
Client ID: MW-2I 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 00:31:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-016
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:59:36 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 13:59:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	638184	3.97	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	502054	2.69	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	900801	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.976	0.000	86	1412793	9.09	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	3602239	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.687	-0.006	98	2785462	8.41	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1729635	8.00	
$ 80 2,4,6-Tribromophenol	330	8.075	8.068	0.000	94	328857	10.6	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2651138	8.00	
$ 96 Terphenyl-d14	244	10.228	10.222	0.000	100	1439800	6.48	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1541769	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	98	1934926	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

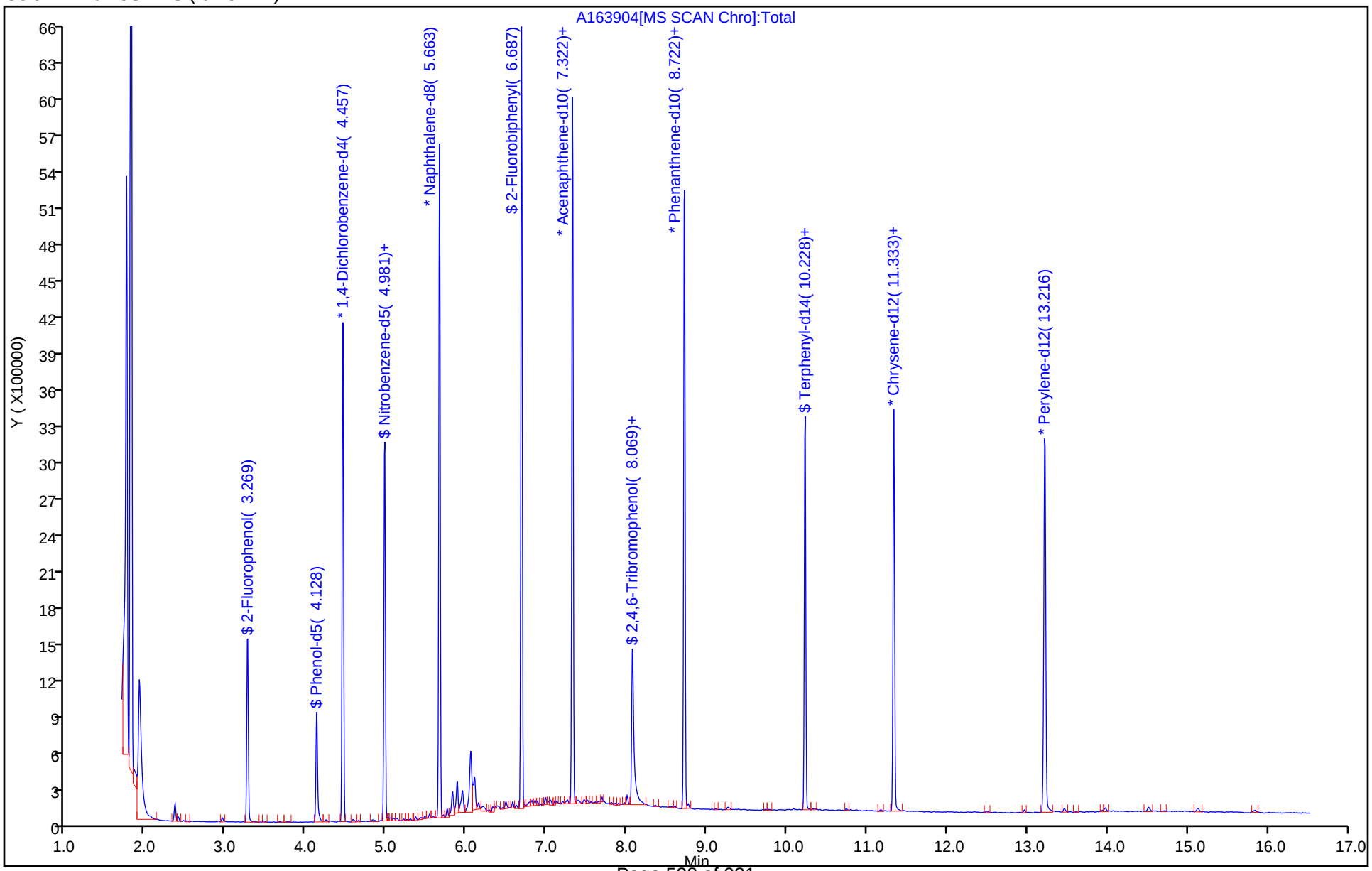
Report Date: 17-Sep-2019 13:59:36 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163904.D

Injection Date:	17-Sep-2019 00:31:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-E-5-A	Lab Sample ID:	460-191351-5	Worklist Smp#:	16
Client ID:	MW-2I 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



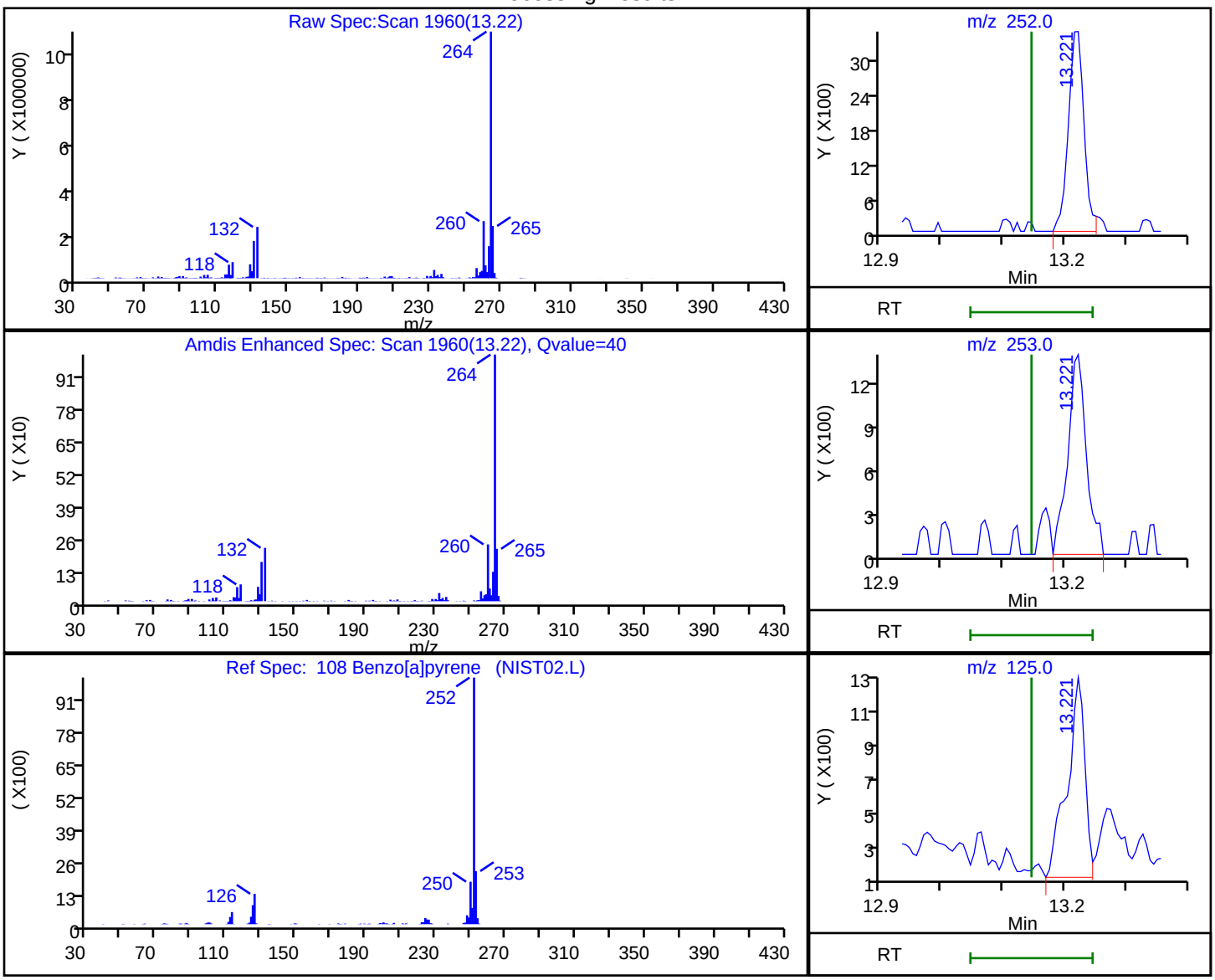
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163904.D				
Injection Date:	17-Sep-2019 00:31:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-5-A	Lab Sample ID:	460-191351-5		
Client ID:	MW-2I 091119				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	6136	0.022376
13.22	253.00	2811	
13.22	125.00	2179	

Reviewer: maheseep, 17-Sep-2019 13:59:24

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

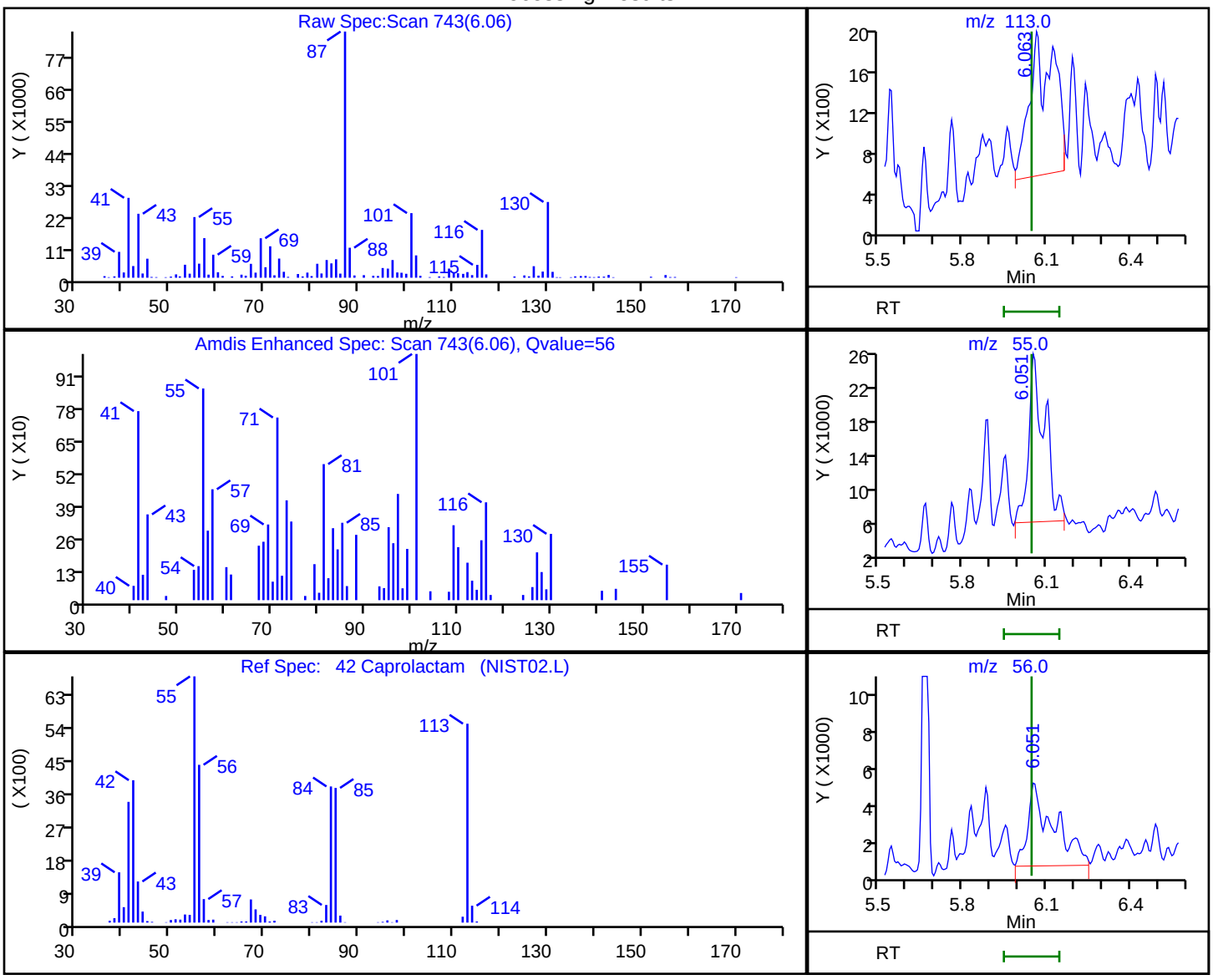
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163904.D				
Injection Date:	17-Sep-2019 00:31:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-5-A	Lab Sample ID:	460-191351-5		
Client ID:	MW-2I 091119				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Processing Results



RT	Mass	Response	Amount
6.06	113.00	8584	0.261603
6.05	55.00	78771	
6.05	56.00	27423	

Reviewer: maheseep, 17-Sep-2019 13:59:20

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.: 460-191351-1

SDG No.:

Client Sample ID: MW-46I 091119 Lab Sample ID: 460-191351-6

Matrix: Water Lab File ID: A163905.D

Analysis Method: 8270D Date Collected: 09/11/2019 10:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:52

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.3	J	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	12		10	1.1
208-96-8	Acenaphthylene	1.2	J	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-46I 091119 Lab Sample ID: 460-191351-6

Matrix: Water Lab File ID: A163905.D

Analysis Method: 8270D Date Collected: 09/11/2019 10:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:52

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	J	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	4.0	J	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	2.0	J	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-46I 091119 Lab Sample ID: 460-191351-6

Matrix: Water Lab File ID: A163905.D

Analysis Method: 8270D Date Collected: 09/11/2019 10:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 00:52

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	110		26-139
321-60-8	2-Fluorobiphenyl	90		45-107
367-12-4	2-Fluorophenol (Surr)	42		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	96		51-108
4165-62-2	Phenol-d5 (Surr)	28		14-39
1718-51-0	Terphenyl-d14 (Surr)	69		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D
Lims ID: 460-191351-F-6-A
Client ID: MW-46I 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 00:52:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-017
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:40:16 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: maheseep Date: 17-Sep-2019 14:00:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	714339	4.25	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	548357	2.81	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	942648	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	87	1557949	9.56	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	3776473	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.693	-0.006	98	3077429	9.00	
52 1,1'-Biphenyl	154	6.781	6.787	-0.006	95	111120	0.2924	
62 Acenaphthylene	152	7.187	7.192	-0.005	98	64832	0.1479	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1784141	8.00	
66 Acenaphthene	154	7.351	7.357	-0.006	95	436276	1.55	
70 Dibenzofuran	168	7.516	7.522	-0.006	95	52673	0.1406	
75 Fluorene	166	7.839	7.845	-0.006	94	141307	0.4954	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	93	350234	11.0	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2672787	8.00	
88 Phenanthrene	178	8.739	8.745	-0.006	97	98476	0.2512	
89 Anthracene	178	8.786	8.792	-0.006	99	28774	0.0726	
$ 96 Terphenyl-d14	244	10.228	10.228	0.000	100	1556647	6.87	
* 102 Chrysene-d12	240	11.333	11.333	0.000	99	1572091	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	98	1853832	8.00	

Reagents:

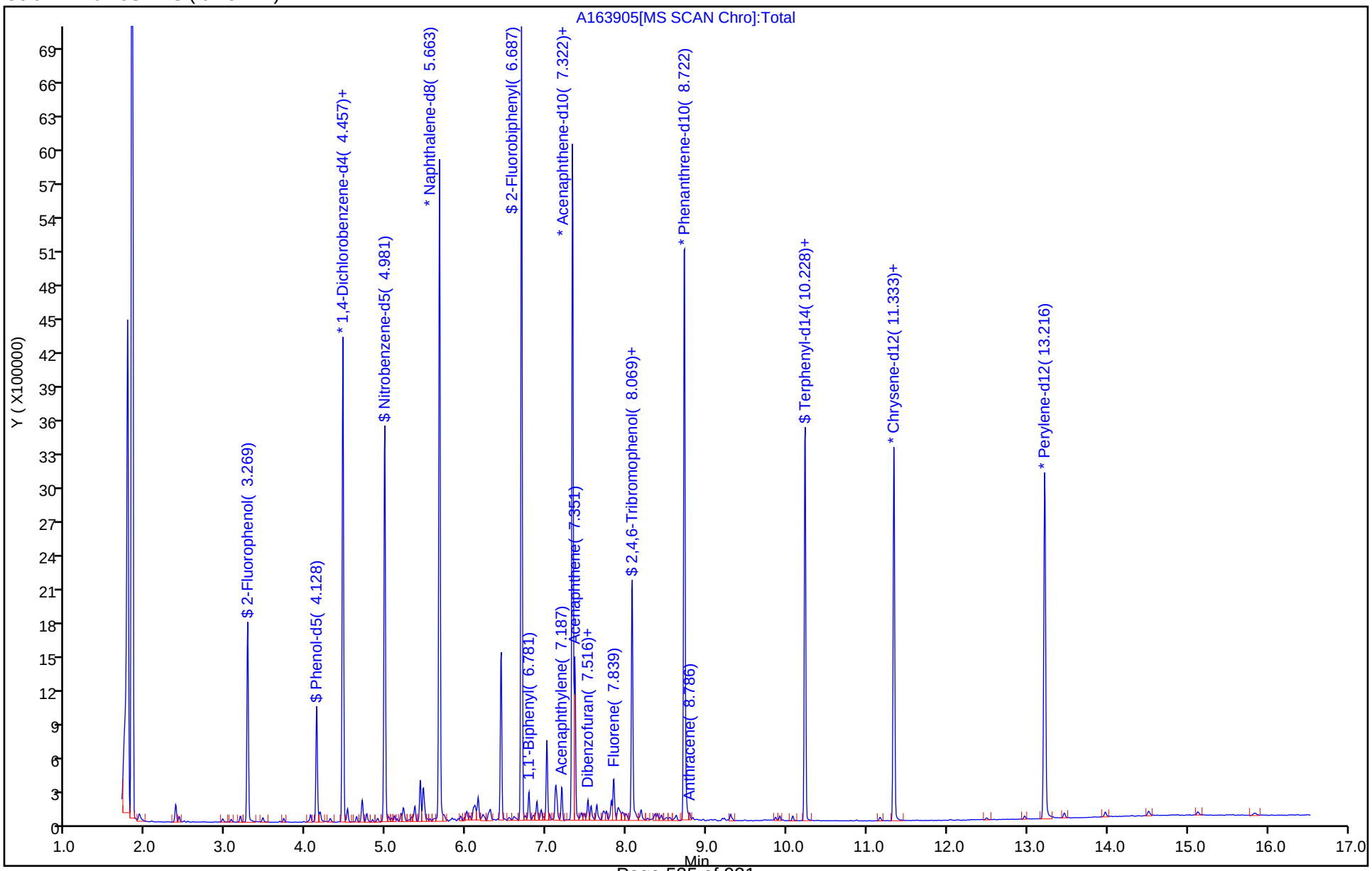
SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 17-Sep-2019 08:42:57 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6	Worklist Smp#:	17
Client ID:	MW-46I 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

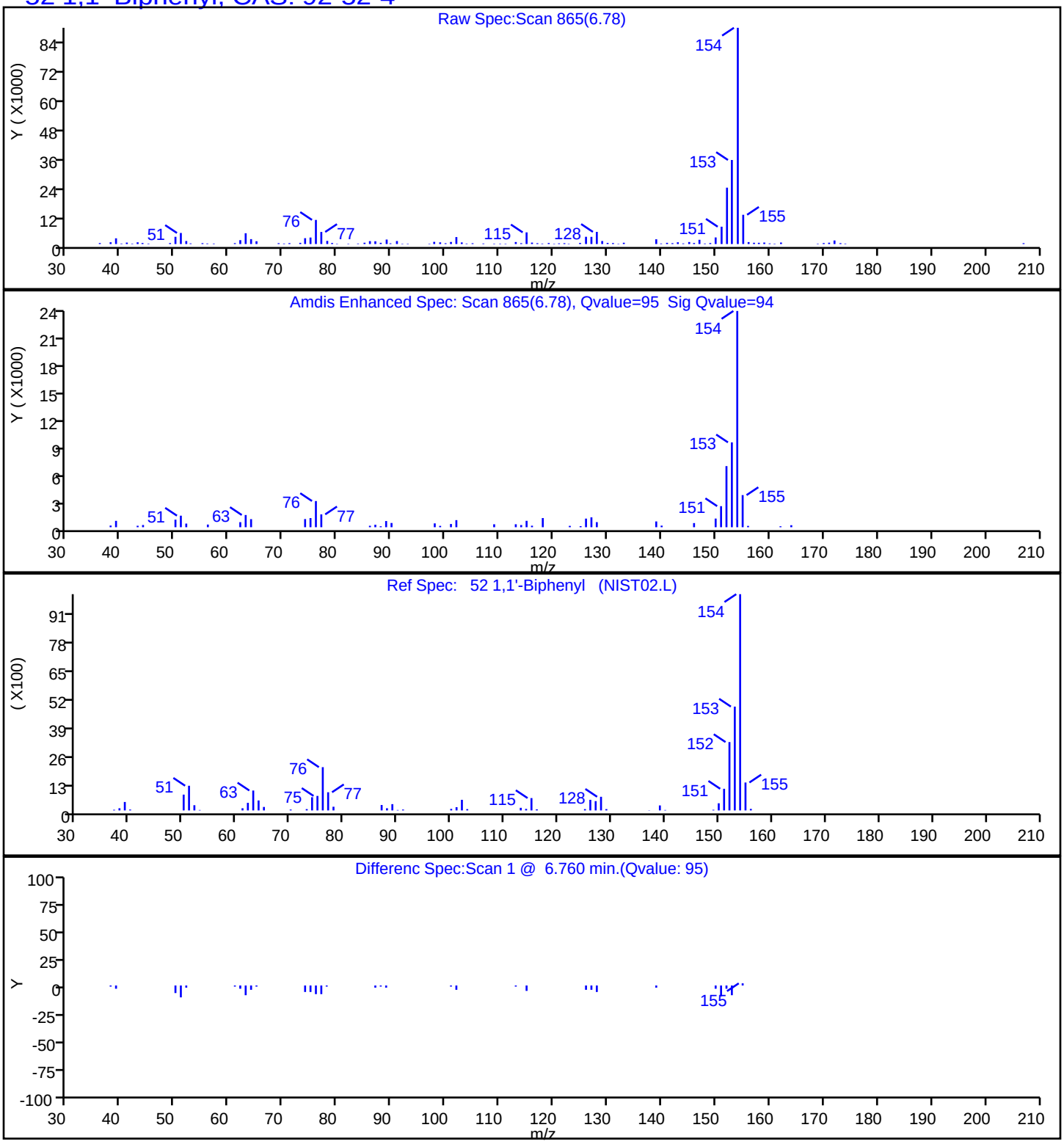


Report Date: 17-Sep-2019 08:42:57 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

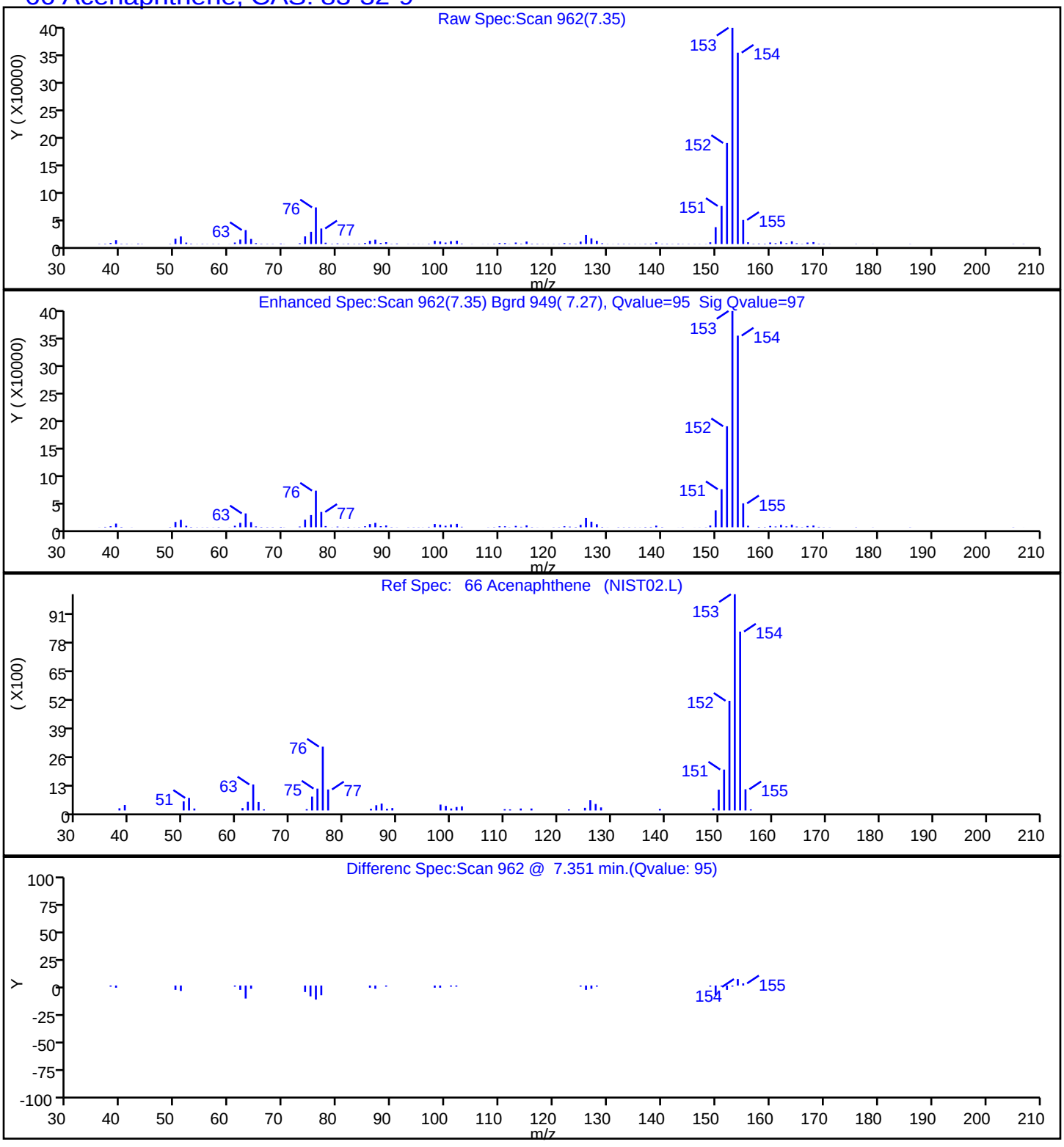


Report Date: 17-Sep-2019 08:42:57 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

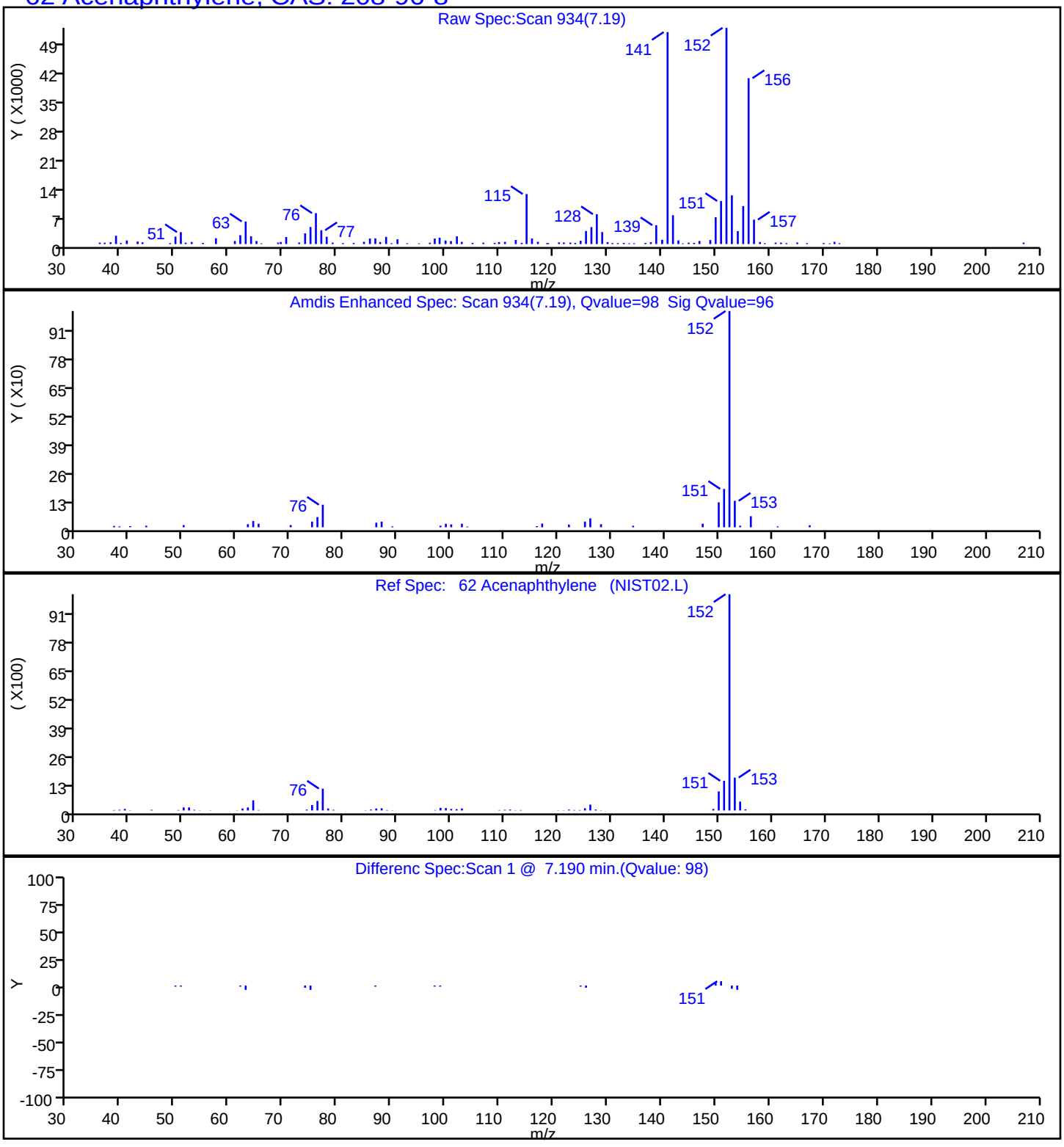


Report Date: 17-Sep-2019 08:42:57 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

62 Acenaphthylene, CAS: 208-96-8

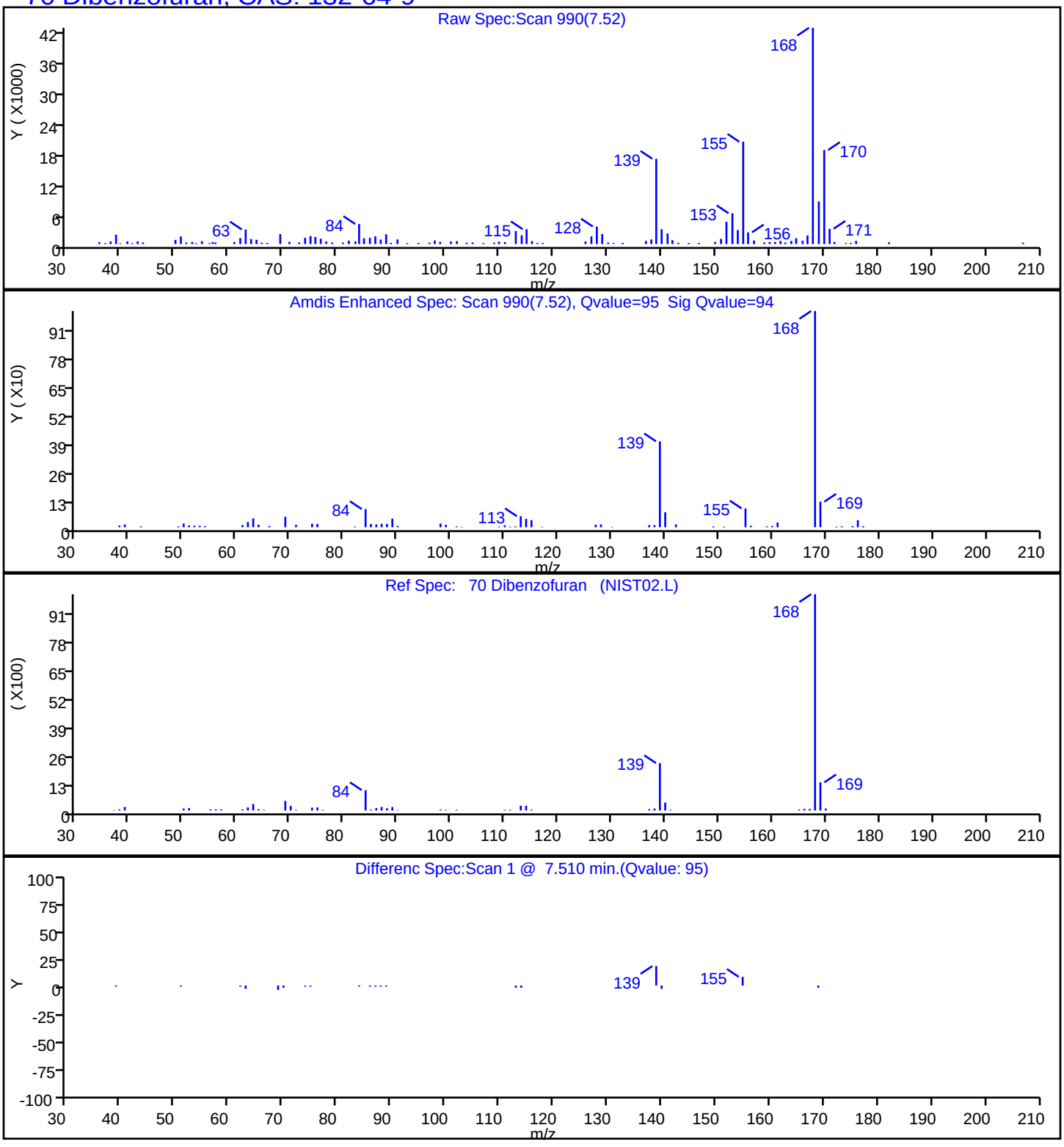


Report Date: 17-Sep-2019 08:42:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Dibenzofuran, CAS: 132-64-9

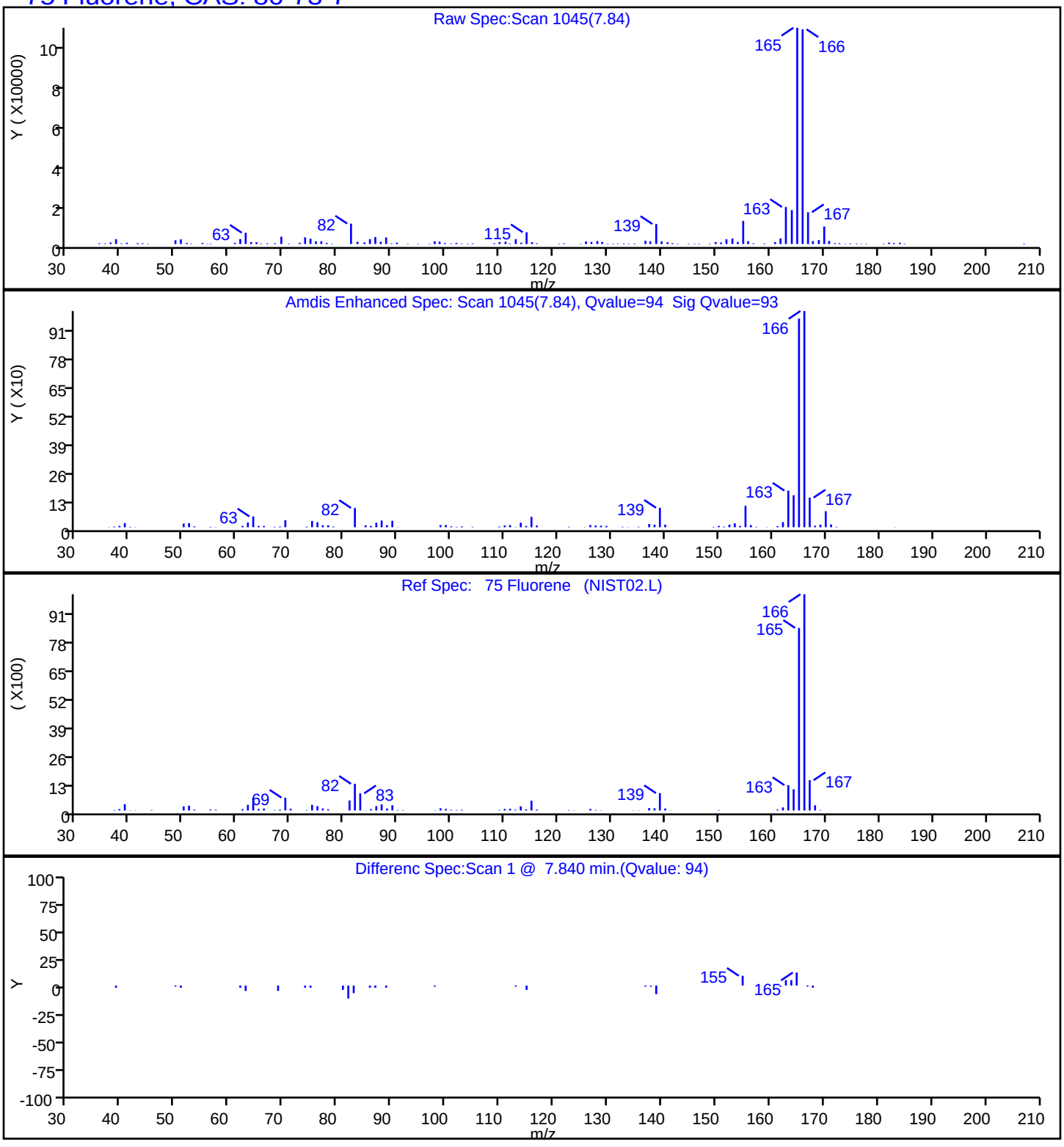


Report Date: 17-Sep-2019 08:42:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7

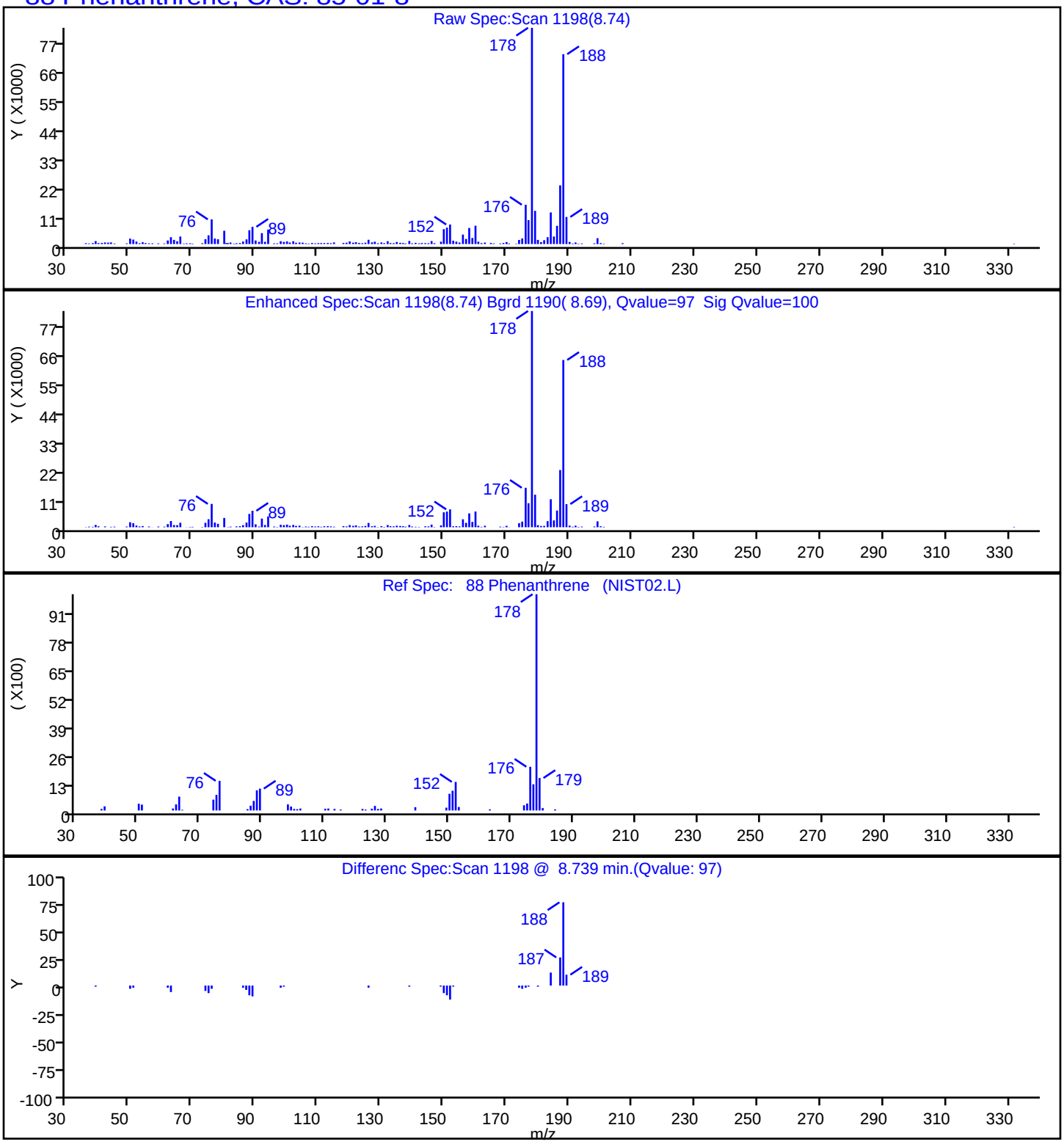


Report Date: 17-Sep-2019 08:42:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8



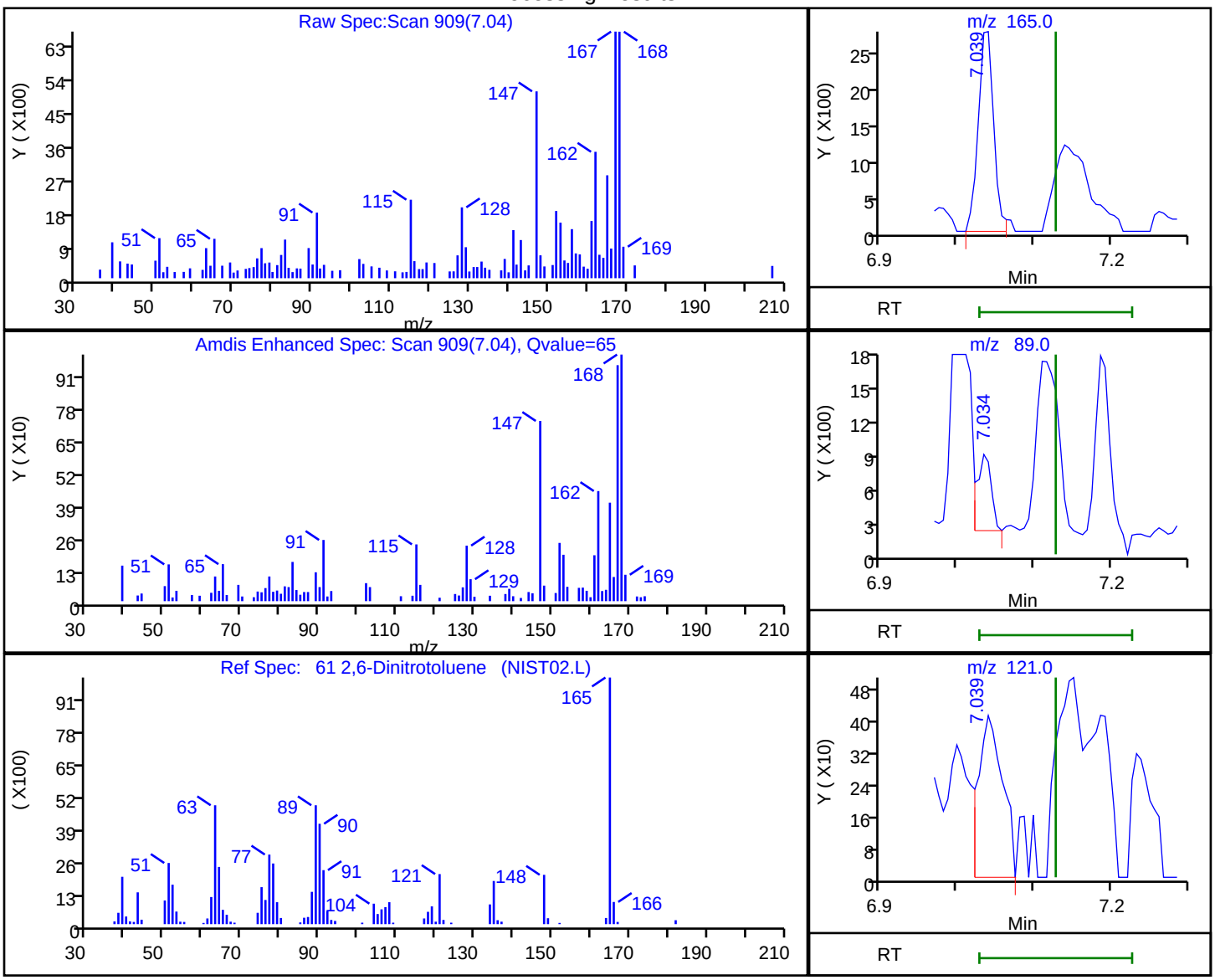
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.04	165.00	3895	0.130314
7.03	89.00	872	
7.04	121.00	896	

Reviewer: maheseep, 17-Sep-2019 14:00:32

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

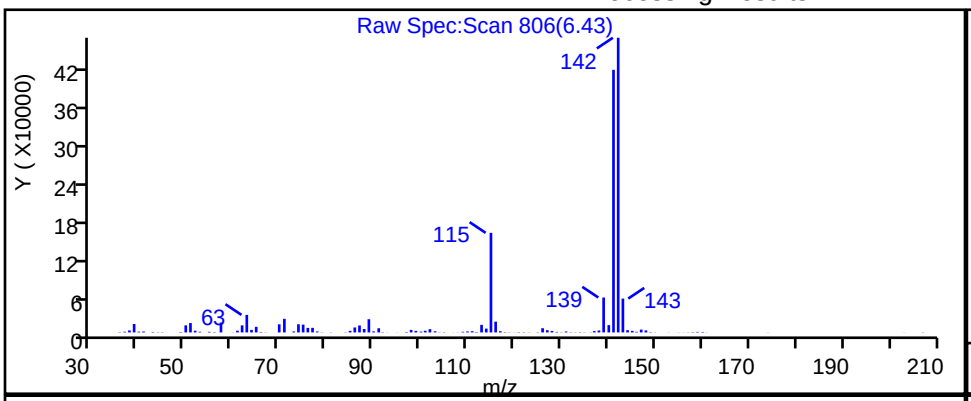
User Disabled Compound Report

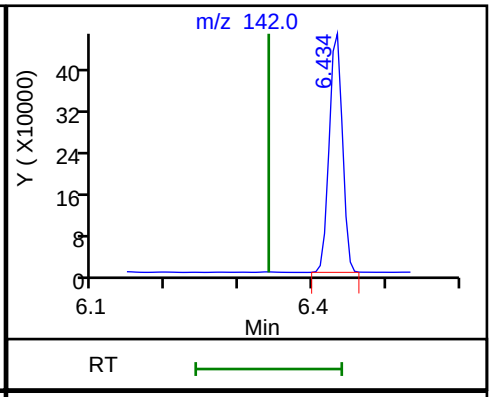
Eurofins TestAmerica, Edison

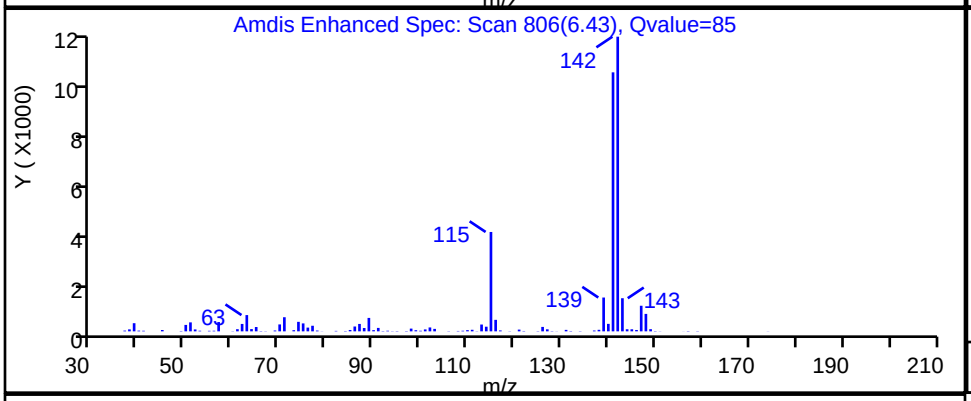
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D				
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6		
Client ID:	MW-46I 091119				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

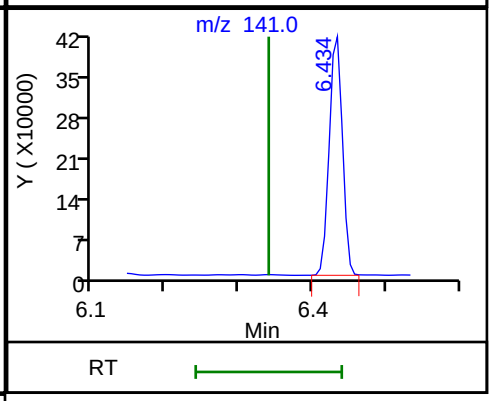
44 2-Methylnaphthalene, CAS: 91-57-6

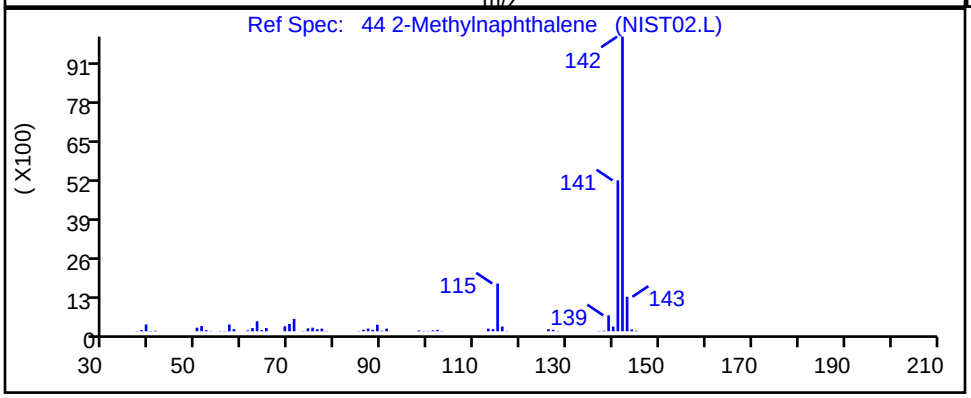
Processing Results











RT	Mass	Response	Amount
6.43	142.00	579288	1.865530
6.43	141.00	517783	

Reviewer: maheseep, 17-Sep-2019 14:00:26

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

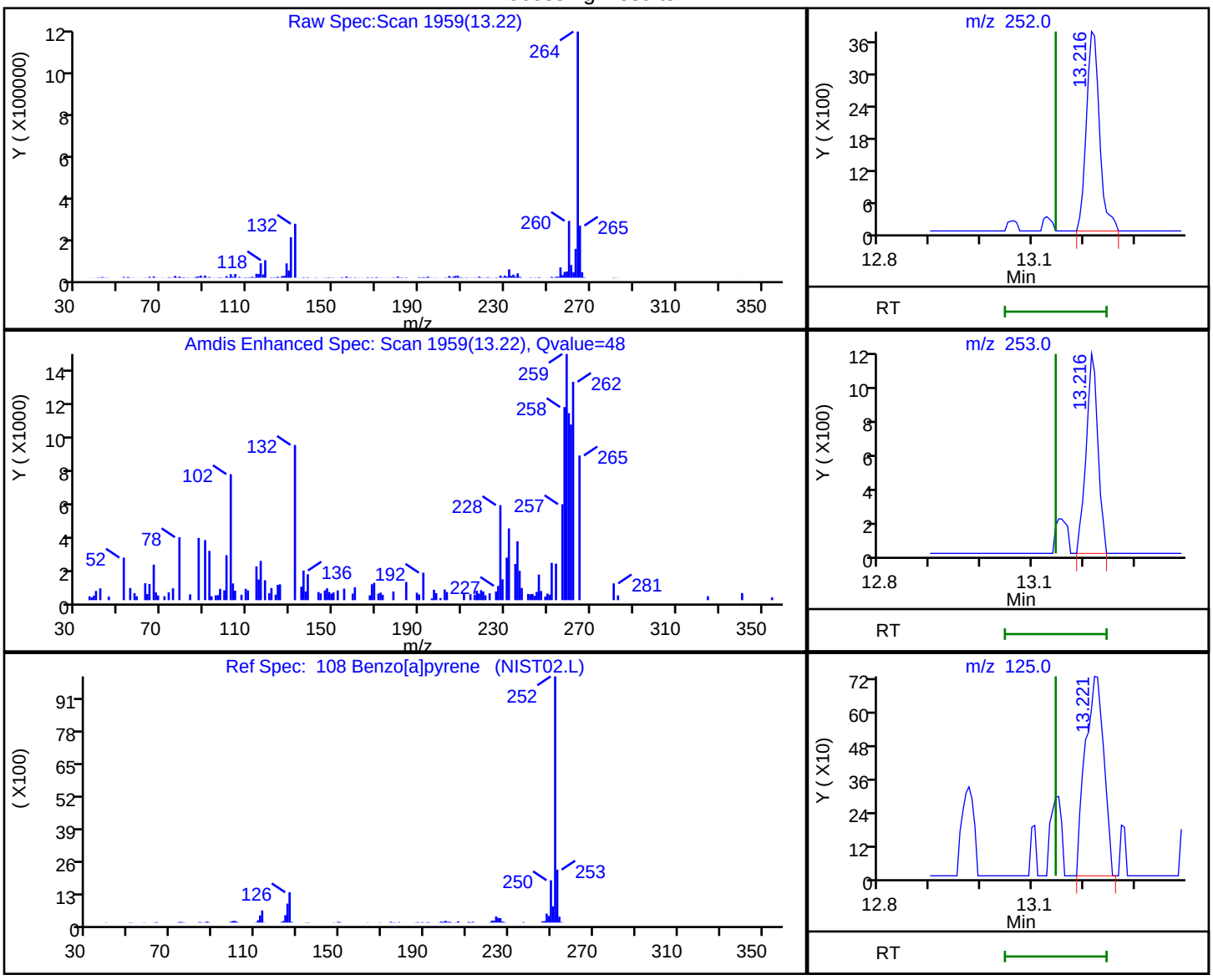
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163905.D		
Injection Date:	17-Sep-2019 00:52:30	Instrument ID:	CBNAMS16
Lims ID:	460-191351-F-6-A	Lab Sample ID:	460-191351-6
Client ID:	MW-46I 091119		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	6685	0.025445
13.22	253.00	1905	
13.22	125.00	1829	

Reviewer: maheseep, 17-Sep-2019 13:59:41

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.: 460-191351-1

SDG No.:

Client Sample ID: MW-40D 091119 Lab Sample ID: 460-191351-7

Matrix: Water Lab File ID: A163906.D

Analysis Method: 8270D Date Collected: 09/11/2019 11:45

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-40D 091119 Lab Sample ID: 460-191351-7

Matrix: Water Lab File ID: A163906.D

Analysis Method: 8270D Date Collected: 09/11/2019 11:45

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-40D 091119 Lab Sample ID: 460-191351-7

Matrix: Water Lab File ID: A163906.D

Analysis Method: 8270D Date Collected: 09/11/2019 11:45

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102		26-139
321-60-8	2-Fluorobiphenyl	84		45-107
367-12-4	2-Fluorophenol (Surr)	41		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	89		51-108
4165-62-2	Phenol-d5 (Surr)	28		14-39
1718-51-0	Terphenyl-d14 (Surr)	78		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163906.D
Lims ID: 460-191351-F-7-A
Client ID: MW-40D 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 01:13:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-018
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 14:01:27 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 14:01:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.263	3.269	-0.006	97	645331	4.11	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	510133	2.80	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	879881	8.00	
$ 27 Nitrobenzene-d5	82	4.975	4.976	-0.006	87	1379330	8.89	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	3595890	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.687	-0.006	98	2803036	8.40	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	96	1742158	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.068	-0.006	94	317873	10.2	
* 87 Phenanthrene-d10	188	8.716	8.722	-0.006	98	2726387	8.00	
$ 96 Terphenyl-d14	244	10.228	10.222	0.000	100	1782243	7.76	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1594968	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	98	1921459	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

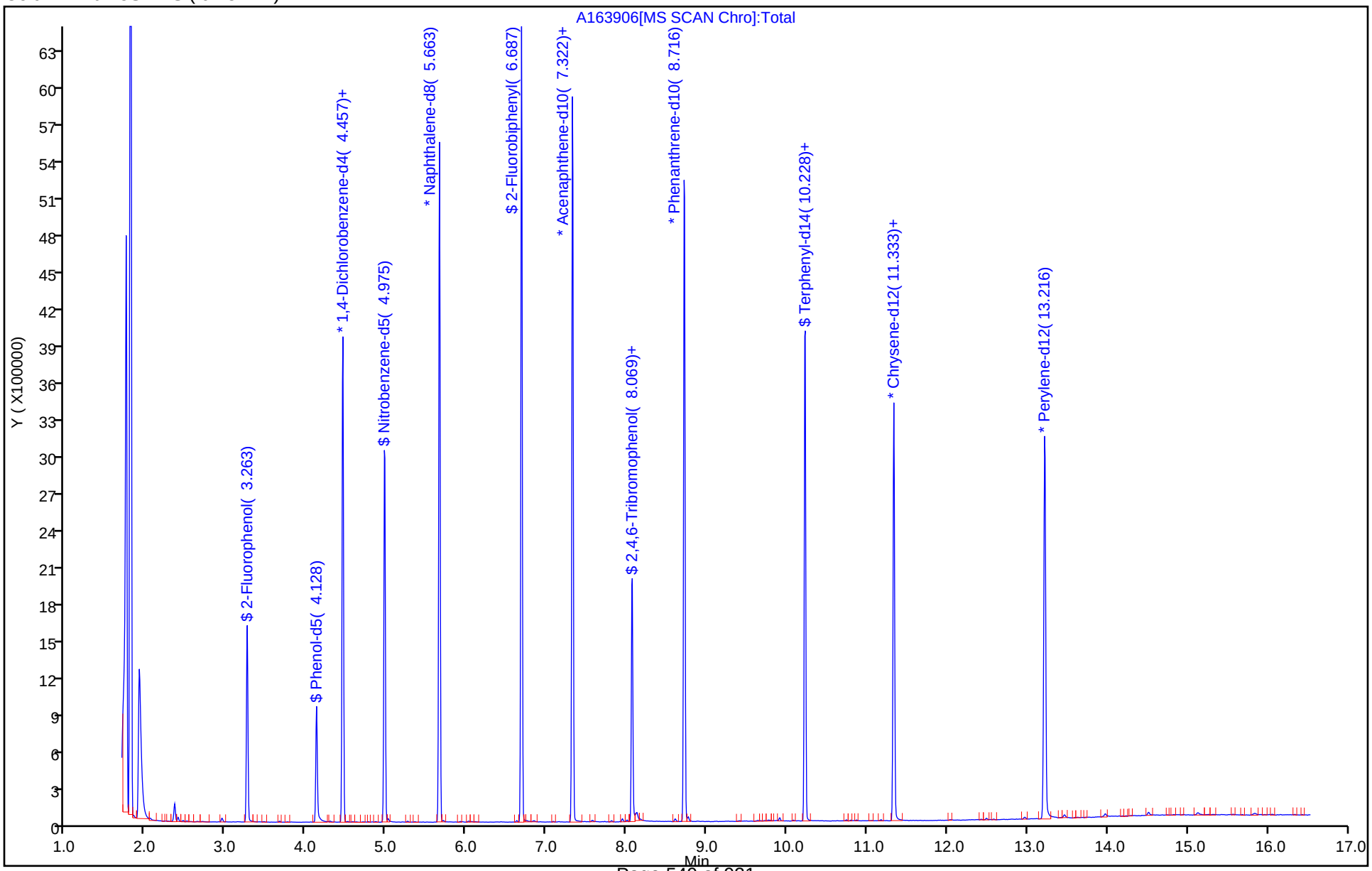
Report Date: 17-Sep-2019 14:01:27 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163906.D

Injection Date:	17-Sep-2019 01:13:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-7-A	Lab Sample ID:	460-191351-7	Worklist Smp#:	18
Client ID:	MW-40D 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



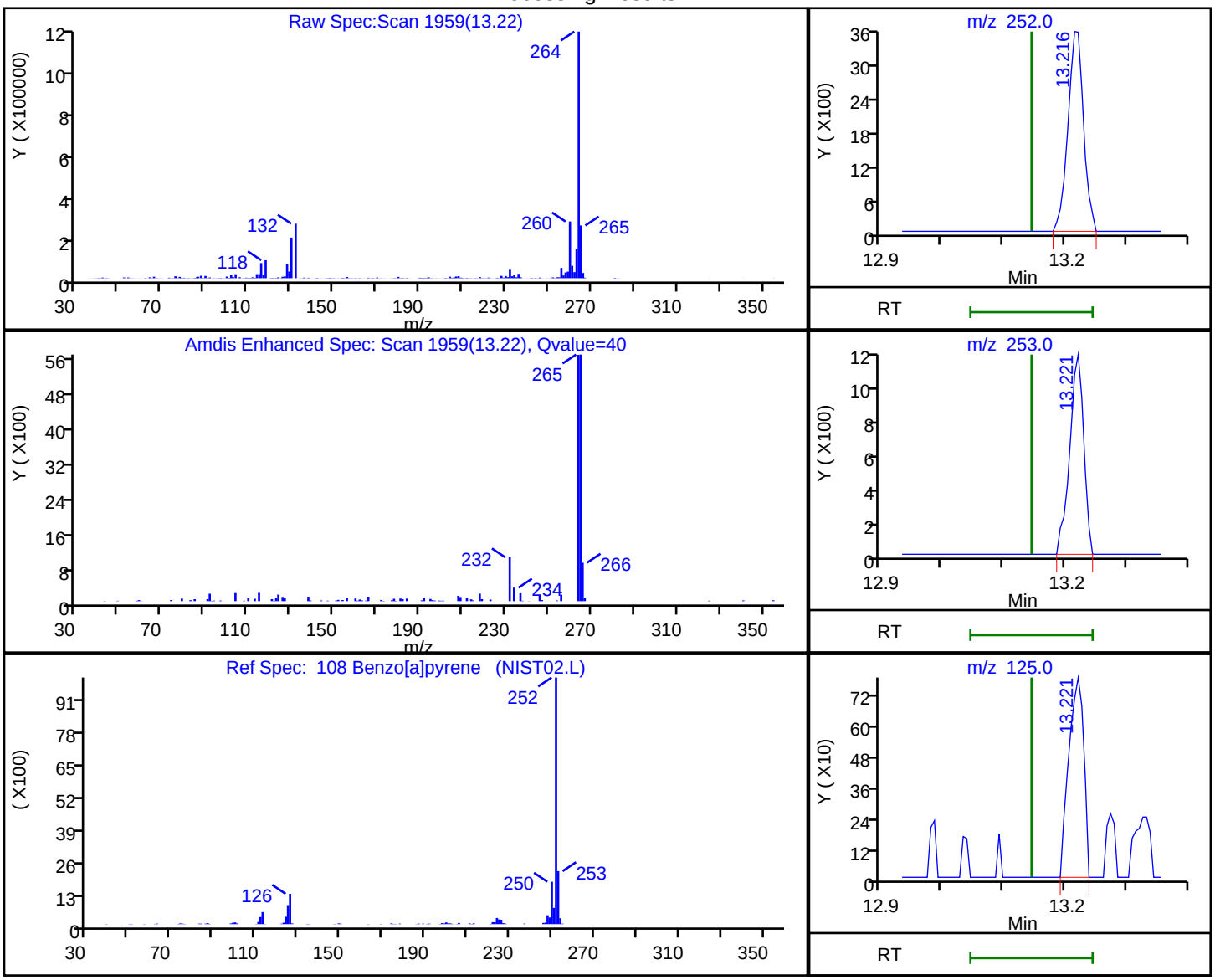
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163906.D				
Injection Date:	17-Sep-2019 01:13:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-7-A	Lab Sample ID:	460-191351-7		
Client ID:	MW-40D 091119				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	6382	0.023437
13.22	253.00	1868	
13.22	125.00	1343	

Reviewer: maheseep, 17-Sep-2019 14:01:06

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

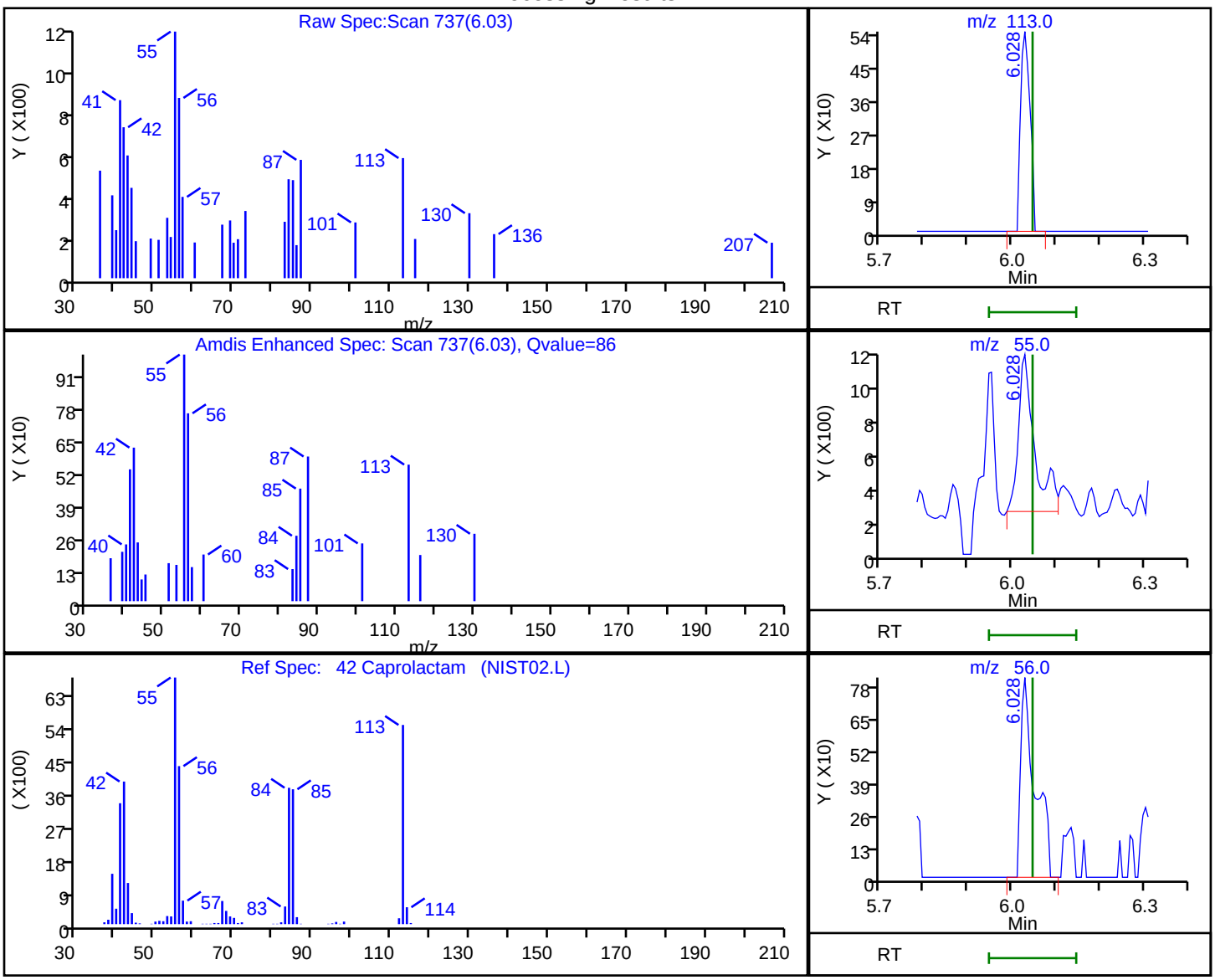
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163906.D				
Injection Date:	17-Sep-2019 01:13:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-7-A	Lab Sample ID:	460-191351-7		
Client ID:	MW-40D 091119				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Processing Results



RT	Mass	Response	Amount
6.03	113.00	817	0.024943
6.03	55.00	2247	
6.03	56.00	1855	

Reviewer: maheseep, 17-Sep-2019 14:01:13

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.: 460-191351-1

SDG No.:

Client Sample ID: TW-2S 091119 Lab Sample ID: 460-191351-8

Matrix: Water Lab File ID: A163907.D

Analysis Method: 8270D Date Collected: 09/11/2019 10:20

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	9.1	J	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: TW-2S 091119 Lab Sample ID: 460-191351-8

Matrix: Water Lab File ID: A163907.D

Analysis Method: 8270D Date Collected: 09/11/2019 10:20

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	2.5	J	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	1.2	J	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: TW-2S 091119 Lab Sample ID: 460-191351-8

Matrix: Water Lab File ID: A163907.D

Analysis Method: 8270D Date Collected: 09/11/2019 10:20

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	112		26-139
321-60-8	2-Fluorobiphenyl	89		45-107
367-12-4	2-Fluorophenol (Surr)	44		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	96		51-108
4165-62-2	Phenol-d5 (Surr)	29		14-39
1718-51-0	Terphenyl-d14 (Surr)	81		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163907.D
Lims ID: 460-191351-F-8-A
Client ID: TW-2S 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 01:34:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-019
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:40:16 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: maheseep Date: 17-Sep-2019 14:02:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.263	3.269	-0.006	97	645807	4.35	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	499385	2.90	
7 Phenol	94	4.140	4.152	-0.012	96	28256	0.1557	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	831171	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	86	1371743	9.59	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	3315747	8.00	
$ 51 2-Fluorobiphenyl	172	6.686	6.693	-0.007	98	2728165	8.87	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1604838	8.00	
66 Acenaphthene	154	7.351	7.357	-0.006	94	289405	1.14	
75 Fluorene	166	7.839	7.845	-0.006	96	78605	0.3064	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	321349	11.2	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2430779	8.00	
$ 96 Terphenyl-d14	244	10.227	10.228	-0.001	99	1644628	8.05	
* 102 Chrysene-d12	240	11.333	11.333	0.000	99	1417844	8.00	
* 109 Perylene-d12	264	13.215	13.222	-0.007	99	1824971	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

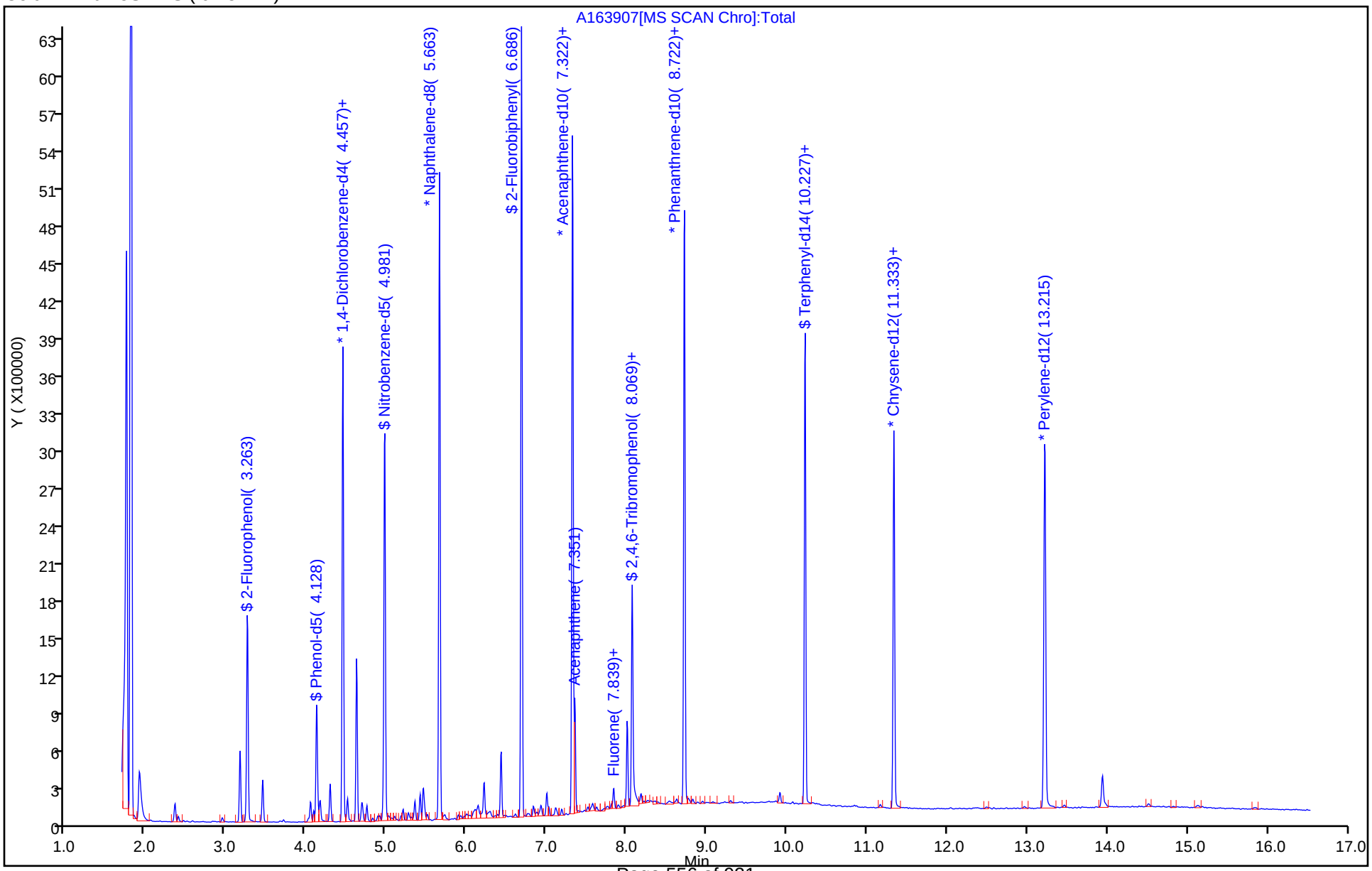
Report Date: 17-Sep-2019 08:43:41 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163907.D

Injection Date:	17-Sep-2019 01:34:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-8-A	Lab Sample ID:	460-191351-8	Worklist Smp#:	19
Client ID:	TW-2S 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

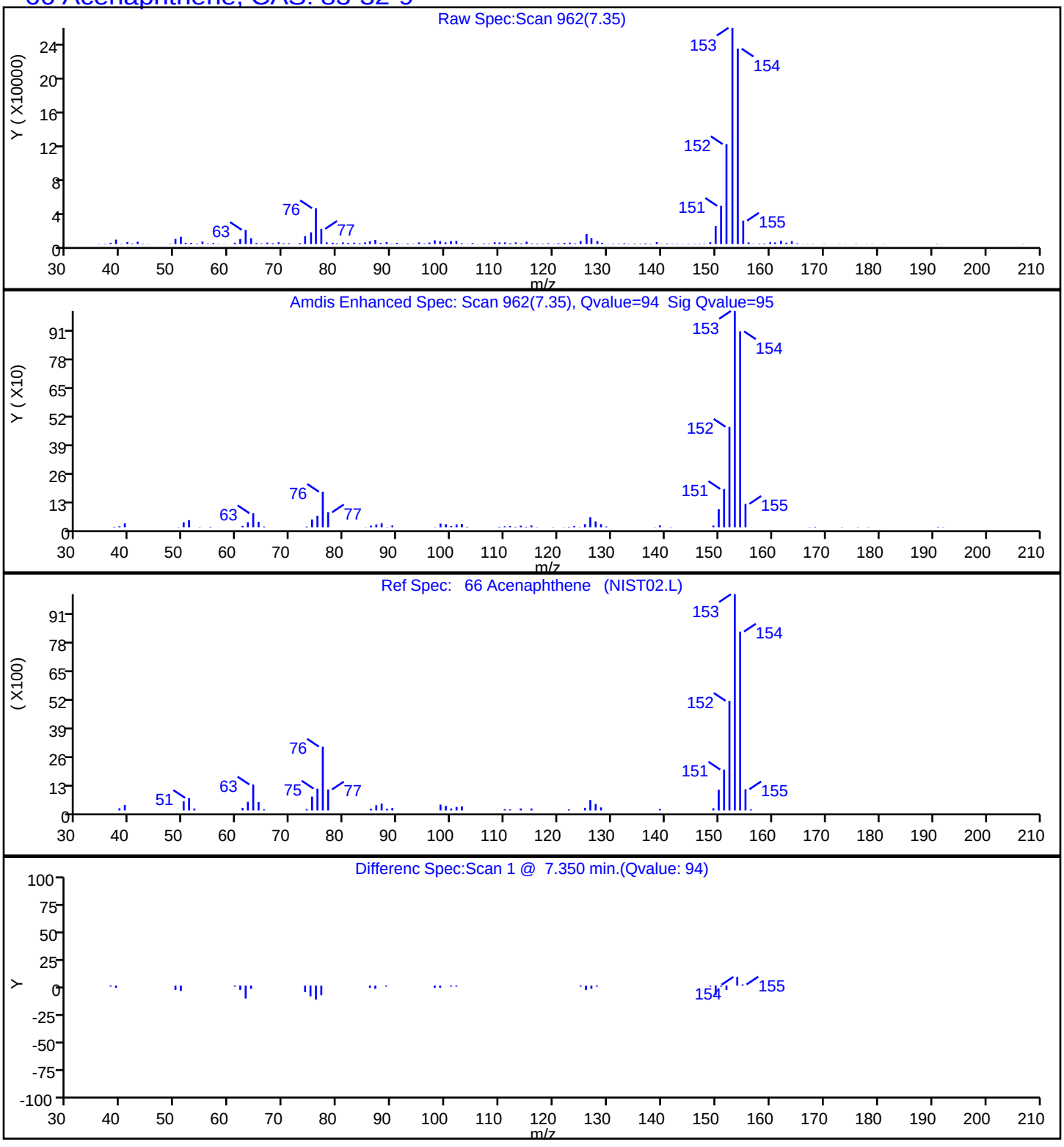


Report Date: 17-Sep-2019 08:43:41 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163907.D				
Injection Date:	17-Sep-2019 01:34:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-8-A	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9



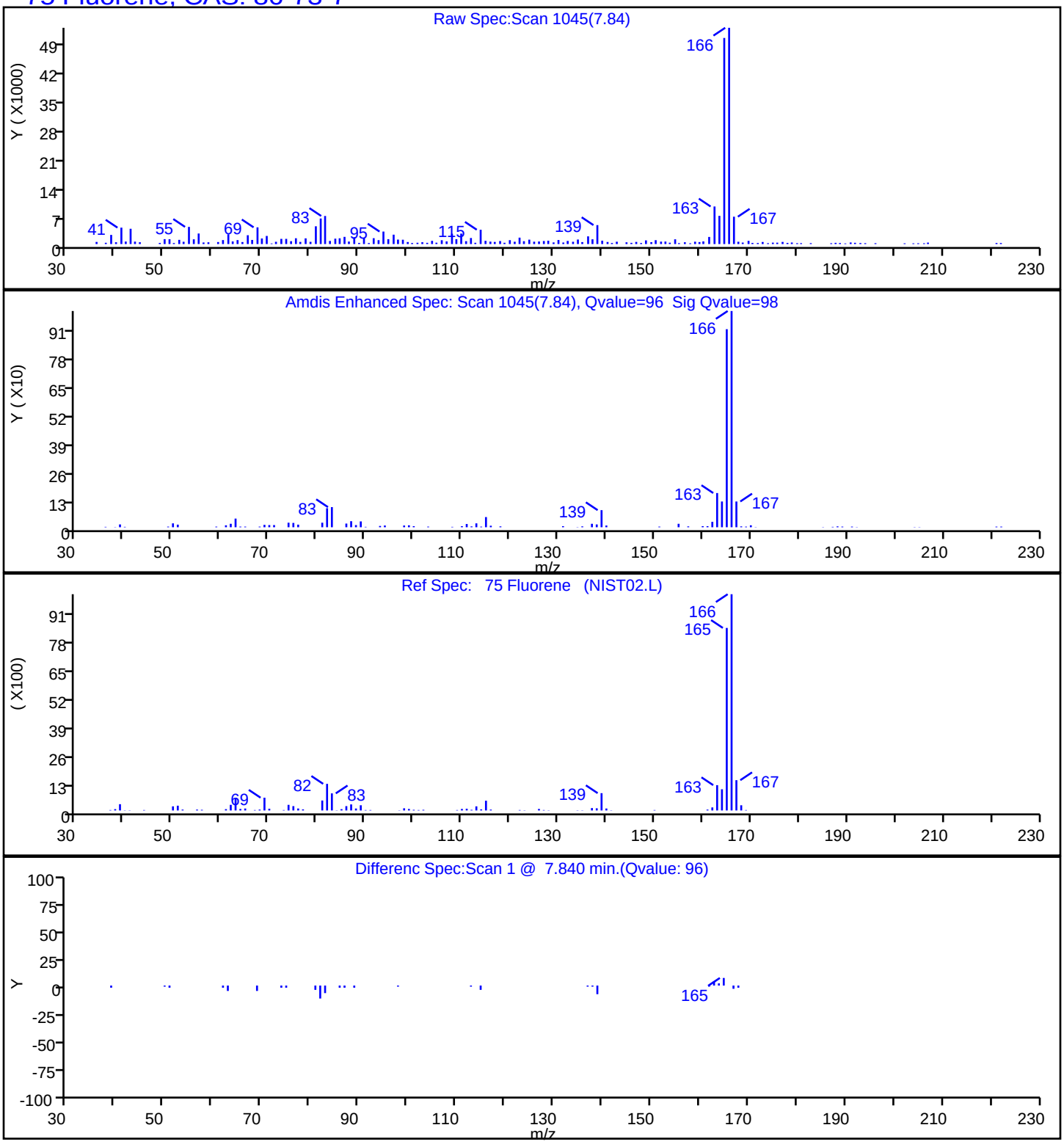
Report Date: 17-Sep-2019 08:43:41 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163907.D

Injection Date:	17-Sep-2019 01:34:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-8-A	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7



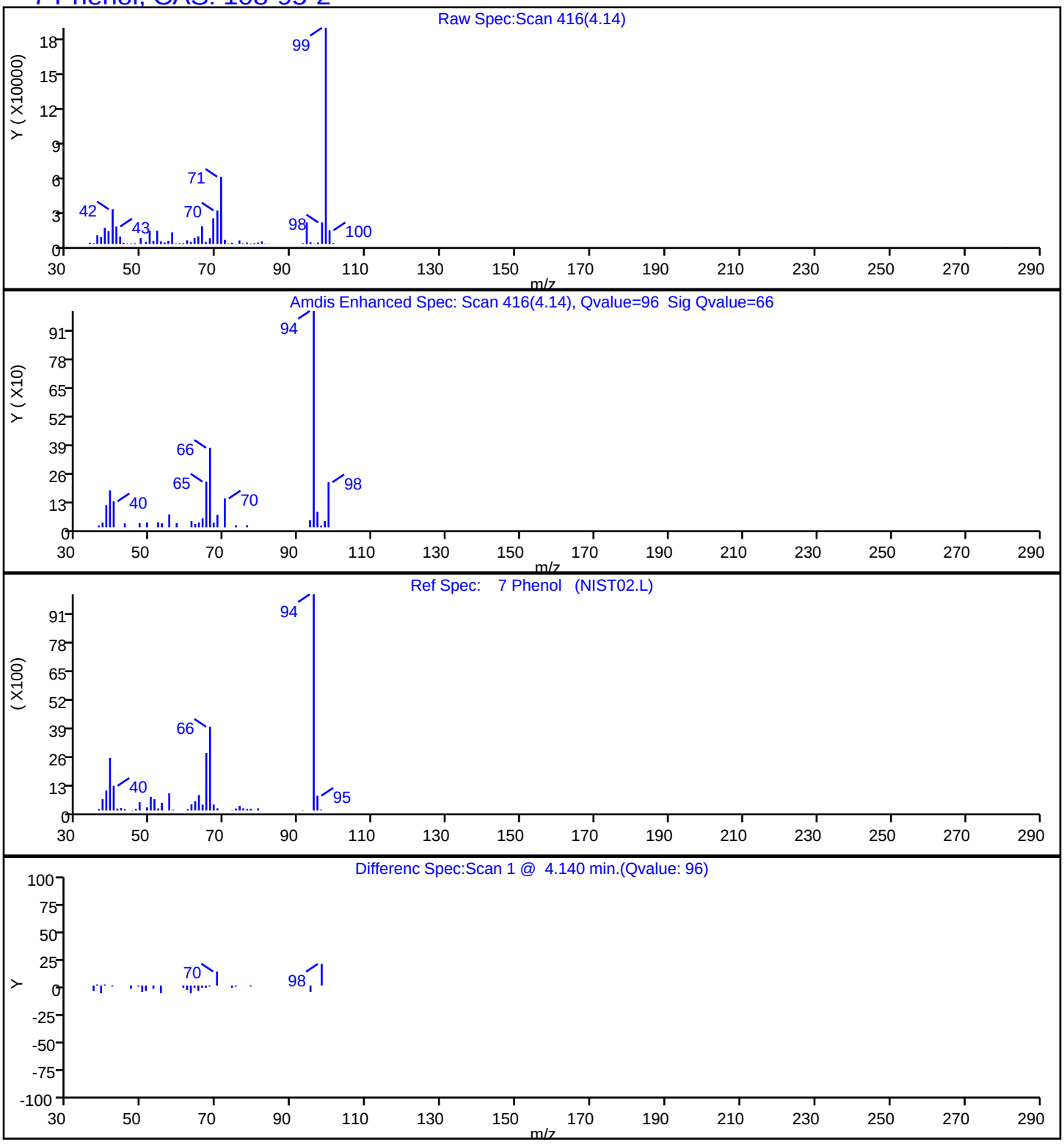
Report Date: 17-Sep-2019 08:43:41 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163907.D

Injection Date:	17-Sep-2019 01:34:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-8-A	Lab Sample ID:	460-191351-8		
Client ID:	TW-2S 091119				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Phenol, CAS: 108-95-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-38D 091119 Lab Sample ID: 460-191351-9

Matrix: Water Lab File ID: A163908.D

Analysis Method: 8270D Date Collected: 09/11/2019 13:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:55

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-38D 091119 Lab Sample ID: 460-191351-9

Matrix: Water Lab File ID: A163908.D

Analysis Method: 8270D Date Collected: 09/11/2019 13:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:55

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-38D 091119 Lab Sample ID: 460-191351-9

Matrix: Water Lab File ID: A163908.D

Analysis Method: 8270D Date Collected: 09/11/2019 13:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 01:55

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	89		26-139
321-60-8	2-Fluorobiphenyl	78		45-107
367-12-4	2-Fluorophenol (Surr)	38		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	84		51-108
4165-62-2	Phenol-d5 (Surr)	25		14-39
1718-51-0	Terphenyl-d14 (Surr)	76		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163908.D
Lims ID: 460-191351-F-9-A
Client ID: MW-38D 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 01:55:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-020
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 14:02:34 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 14:02:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	662610	3.82	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	510739	2.54	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	971061	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.976	0.000	87	1415739	8.38	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	3915896	8.00	
$ 51 2-Fluorobiphenyl	172	6.686	6.687	-0.007	98	2805539	7.75	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1888747	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.068	-0.006	94	301280	8.90	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2906242	8.00	
$ 96 Terphenyl-d14	244	10.227	10.222	-0.001	100	1780280	7.63	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1619983	8.00	
* 109 Perylene-d12	264	13.215	13.222	-0.007	98	1900348	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

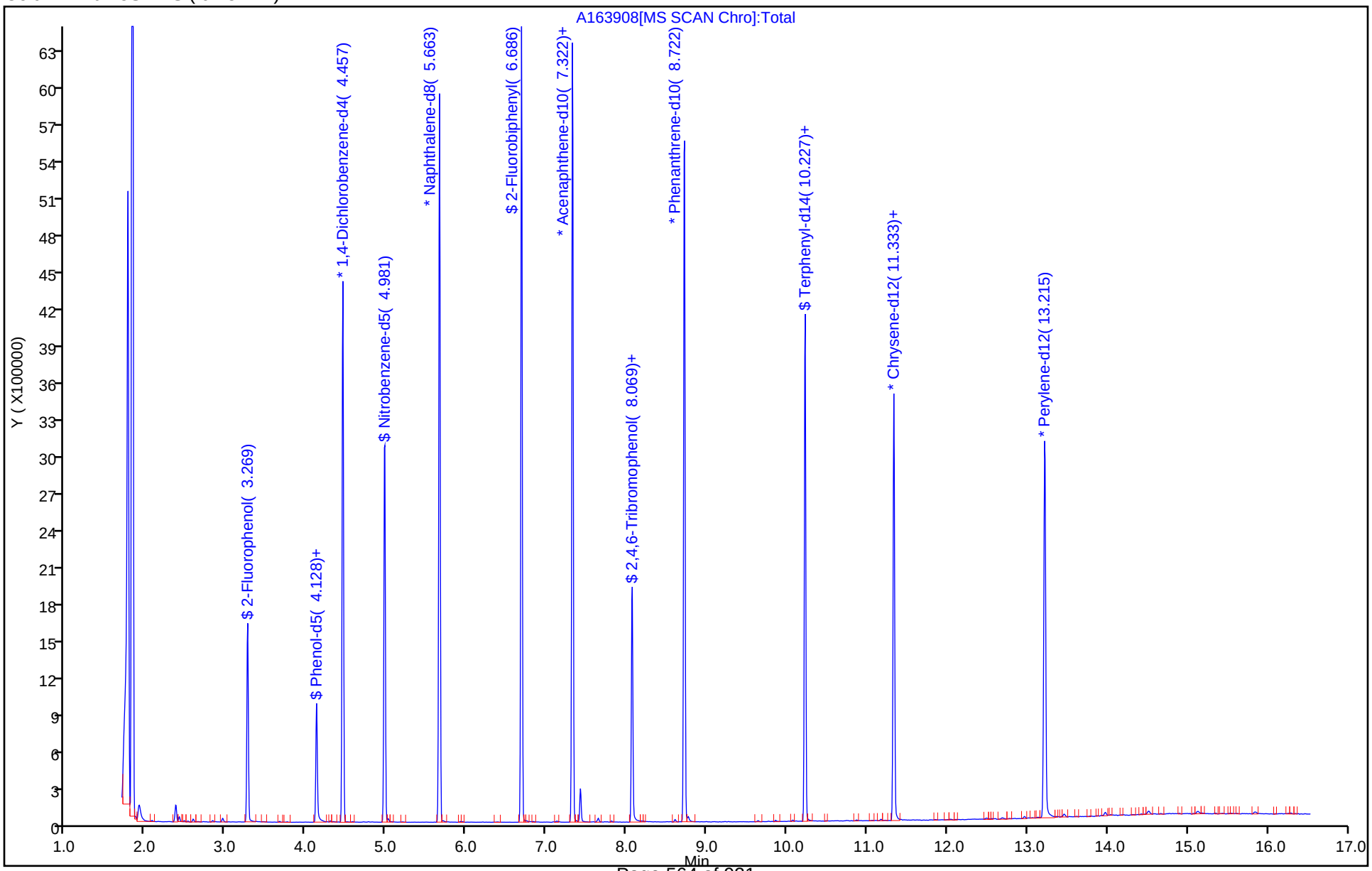
Report Date: 17-Sep-2019 14:02:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163908.D

Injection Date:	17-Sep-2019 01:55:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-9-A	Lab Sample ID:	460-191351-9	Worklist Smp#:	20
Client ID:	MW-38D 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-38I 091119 Lab Sample ID: 460-191351-10

Matrix: Water Lab File ID: A163918.D

Analysis Method: 8270D Date Collected: 09/11/2019 13:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 05:25

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.85	J	1.0	0.59
50-32-8	Benzo[a]pyrene	1.1		1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.2	J *	2.0	1.1

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CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	1.1	J	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.88	J	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
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SDG No.:

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Matrix: Water Lab File ID: A163918.D

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Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	108		26-139
321-60-8	2-Fluorobiphenyl	86		45-107
367-12-4	2-Fluorophenol (Surr)	41		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	93		51-108
4165-62-2	Phenol-d5 (Surr)	27		14-39
1718-51-0	Terphenyl-d14 (Surr)	76		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D
Lims ID: 460-191351-F-10-A
Client ID: MW-38I 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 05:25:30 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-030
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:45:01 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: khlungprakhons Date: 17-Sep-2019 17:08:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	586795	4.07	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	452136	2.70	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	808100	8.00	
$ 27 Nitrobenzene-d5	82	4.975	4.981	-0.006	87	1262952	9.25	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	3163196	8.00	
$ 51 2-Fluorobiphenyl	172	6.686	6.693	-0.007	98	2596866	8.62	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	94	1571785	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	305618	10.8	
* 87 Phenanthrene-d10	188	8.716	8.722	-0.006	98	2454538	8.00	
92 Fluoranthene	202	9.857	9.863	-0.006	97	36545	0.1103	
94 Pyrene	202	10.069	10.075	-0.006	97	42262	0.1264	
$ 96 Terphenyl-d14	244	10.227	10.228	-0.001	99	1671654	7.60	
101 Benzo[a]anthracene	228	11.321	11.328	-0.007	91	27381	0.1062	
* 102 Chrysene-d12	240	11.333	11.333	0.000	99	1525679	8.00	
104 Chrysene	228	11.363	11.369	-0.006	98	32441	0.1347	
106 Benzo[b]fluoranthene	252	12.686	12.698	-0.012	98	46074	0.1441	M
107 Benzo[k]fluoranthene	252	12.716	12.733	-0.017	92	19738	0.0590	Ma
108 Benzo[a]pyrene	252	13.127	13.145	-0.018	95	40192	0.1353	a
* 109 Perylene-d12	264	13.215	13.222	-0.007	98	2096019	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.757	14.780	-0.023	98	26929	0.1055	
111 Dibenz(a,h)anthracene	278	14.792	14.816	-0.024	93	4611	0.0147	

QC Flag Legend

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

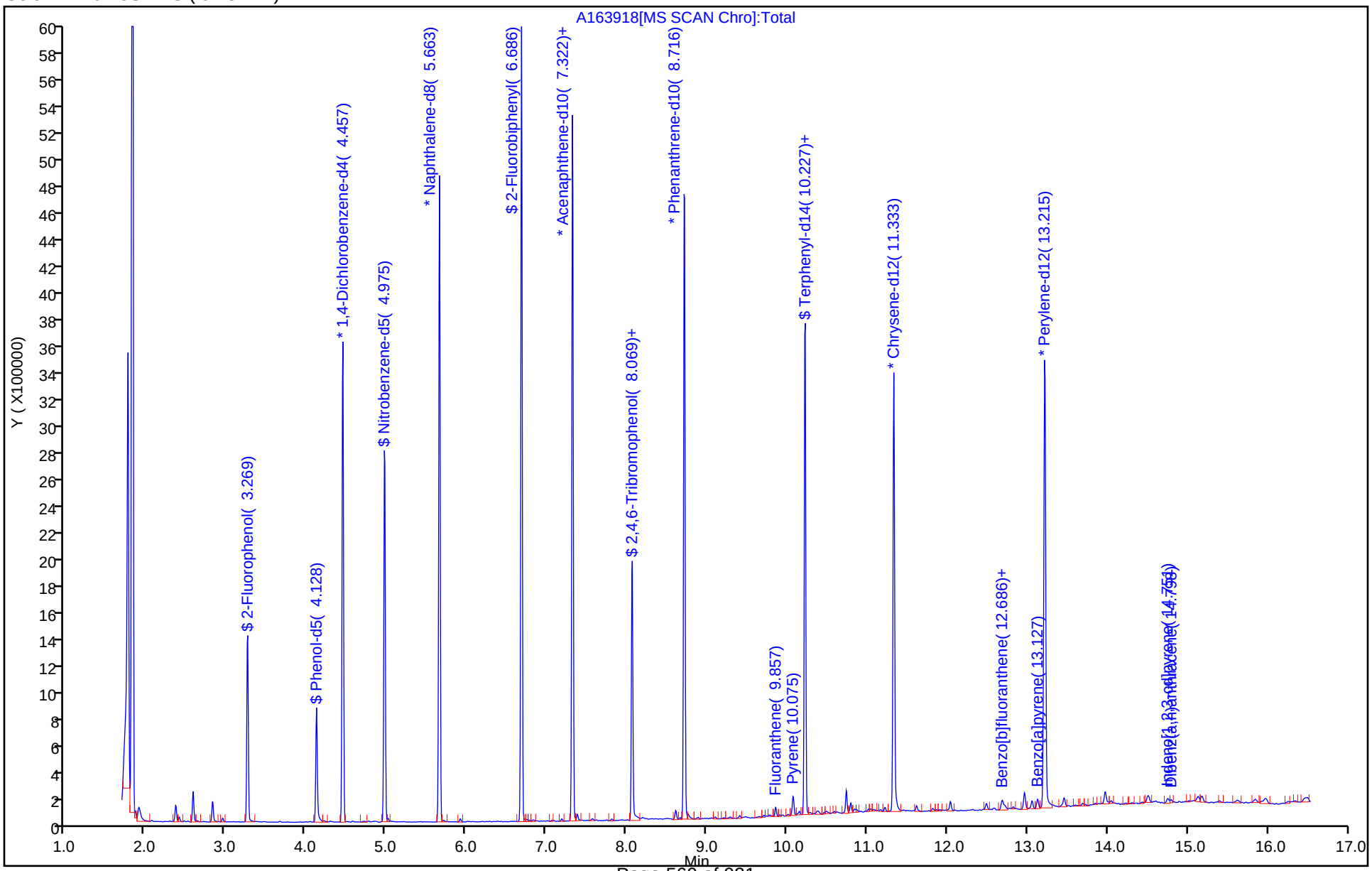
SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 17-Sep-2019 08:48:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10	Worklist Smp#:	30
Client ID:	MW-38I 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

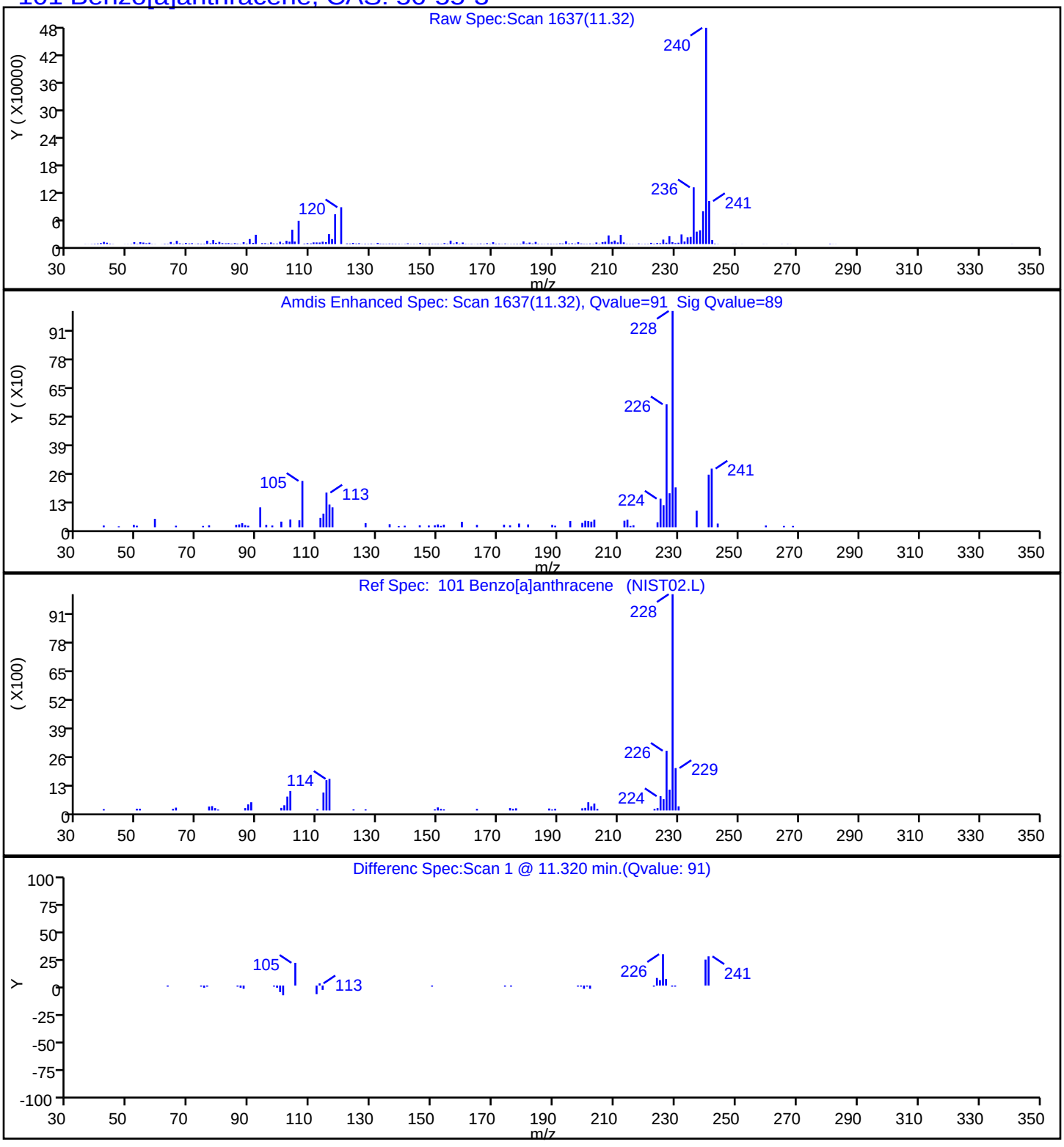


Report Date: 17-Sep-2019 08:48:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10		
Client ID:	MW-38I 091119				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

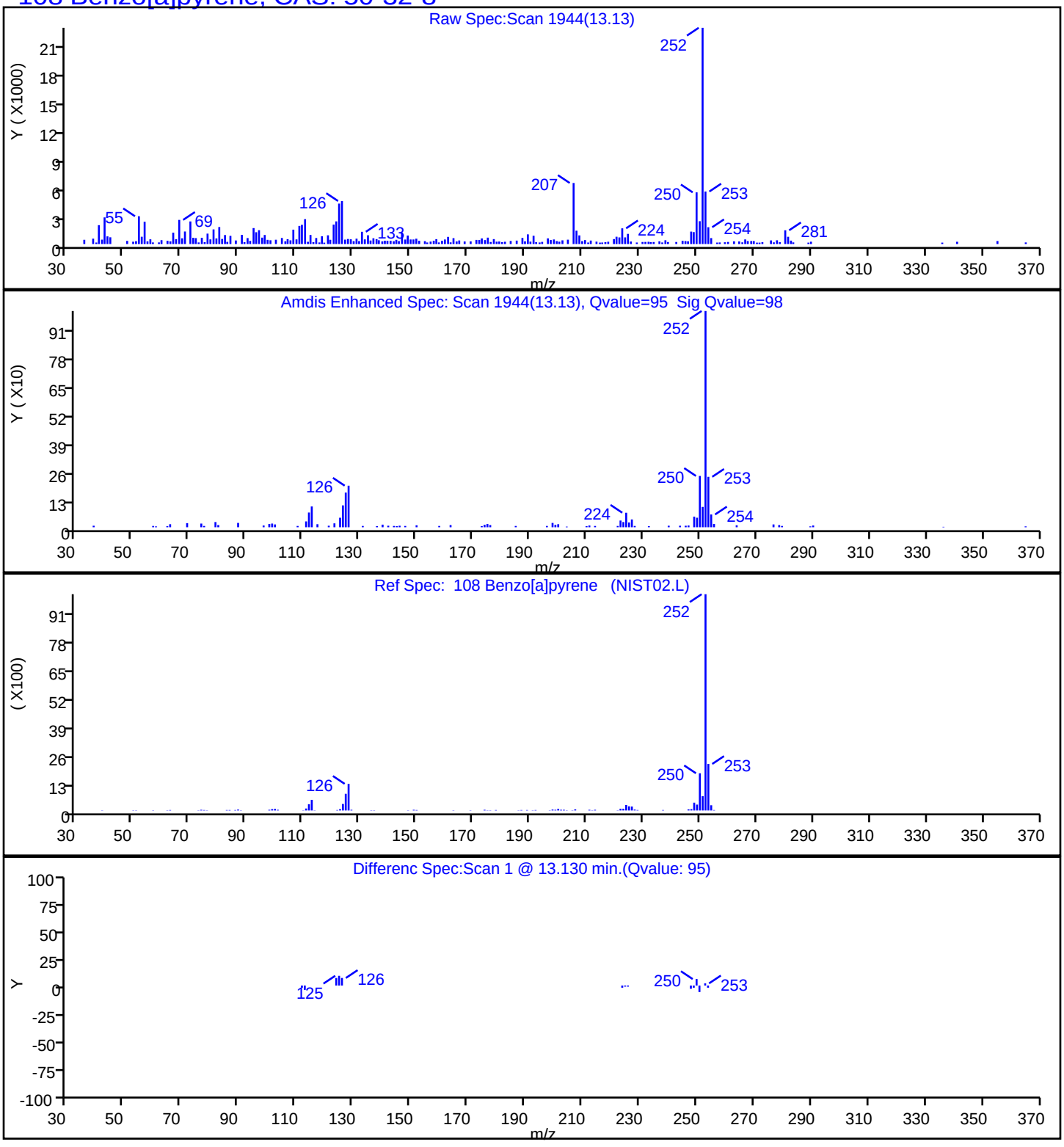


Report Date: 17-Sep-2019 08:48:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10		
Client ID:	MW-38I 091119				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

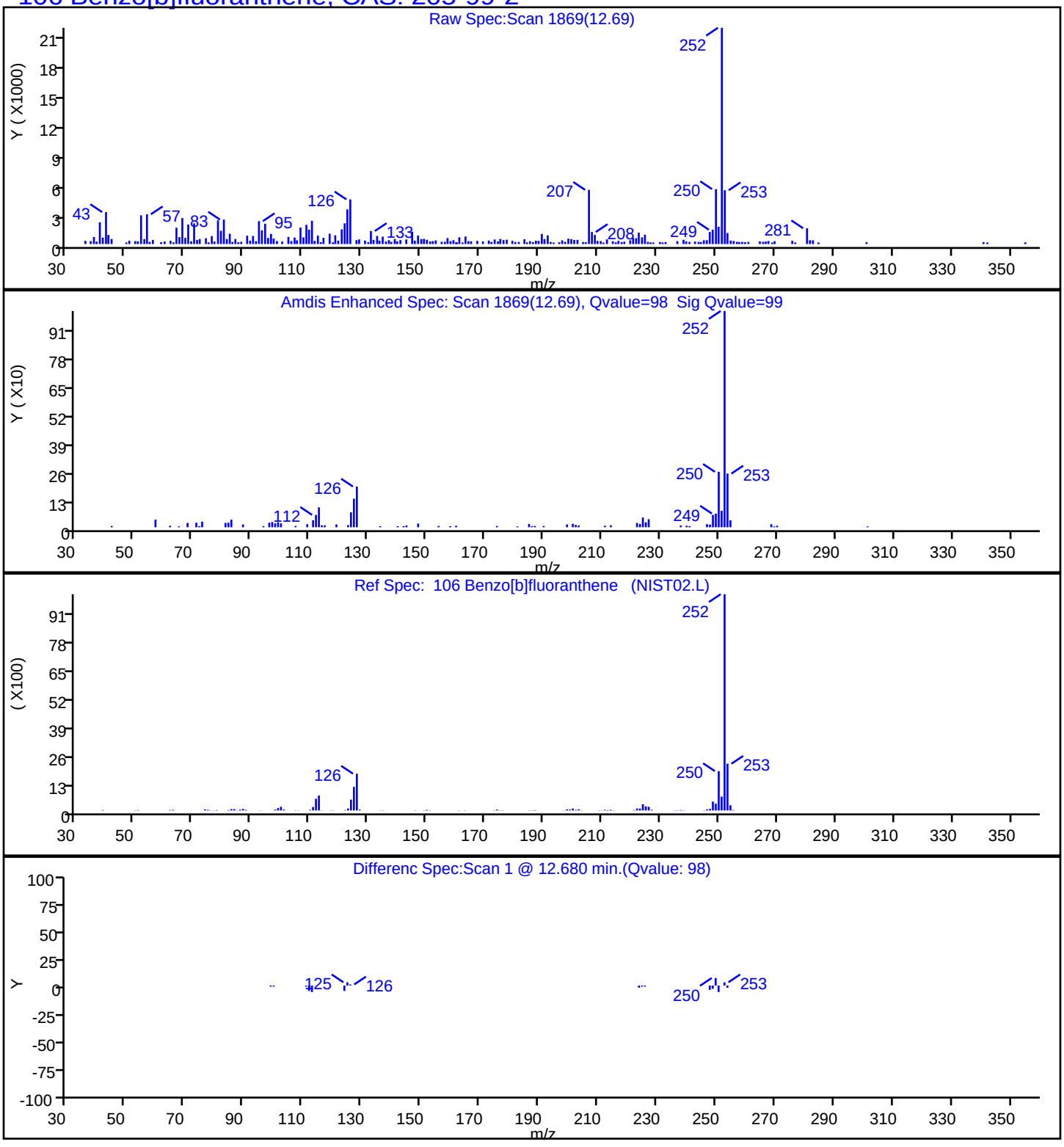


Report Date: 17-Sep-2019 08:48:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10		
Client ID:	MW-38I 091119				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

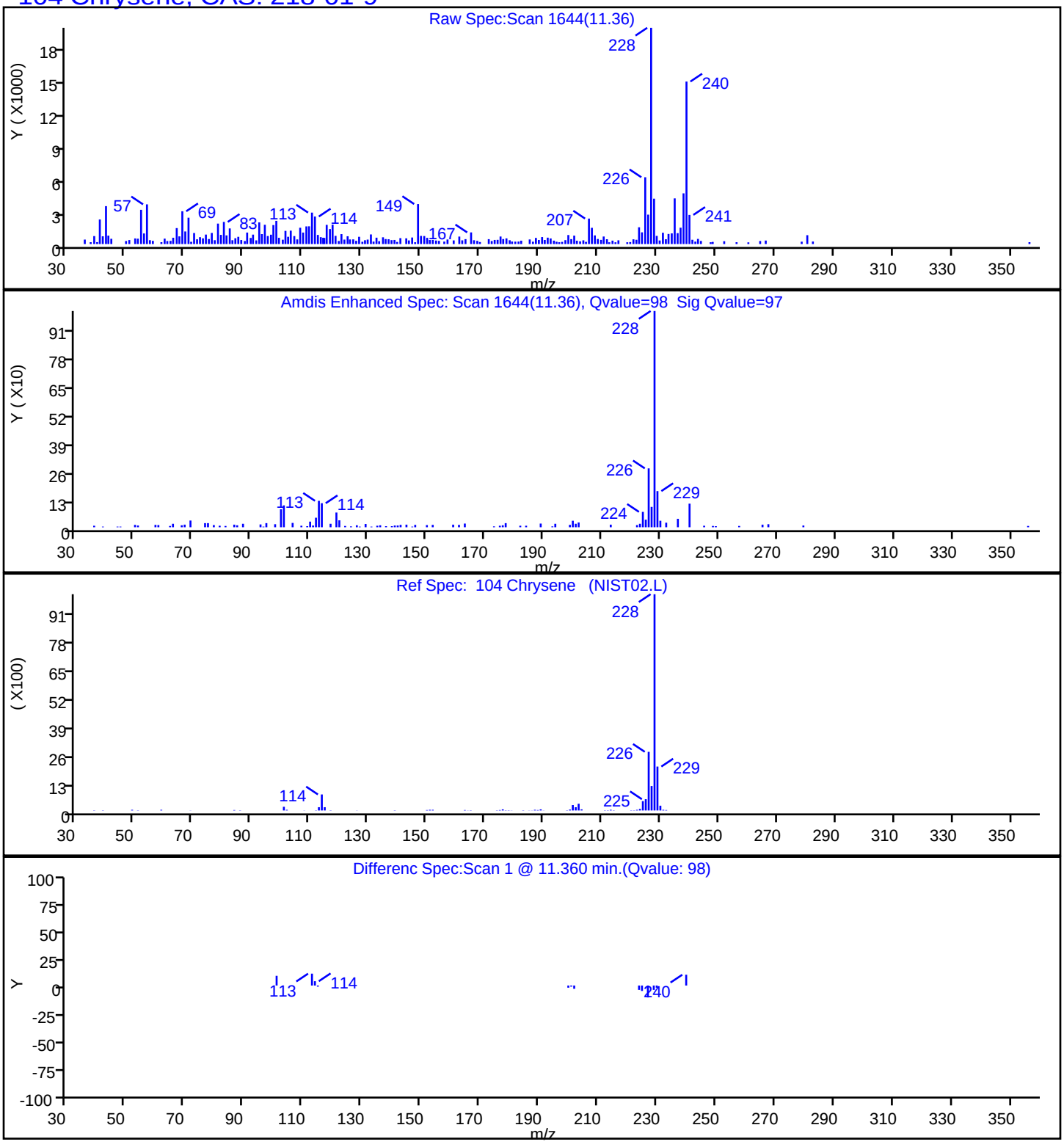


Report Date: 17-Sep-2019 08:48:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10		
Client ID:	MW-38I 091119				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

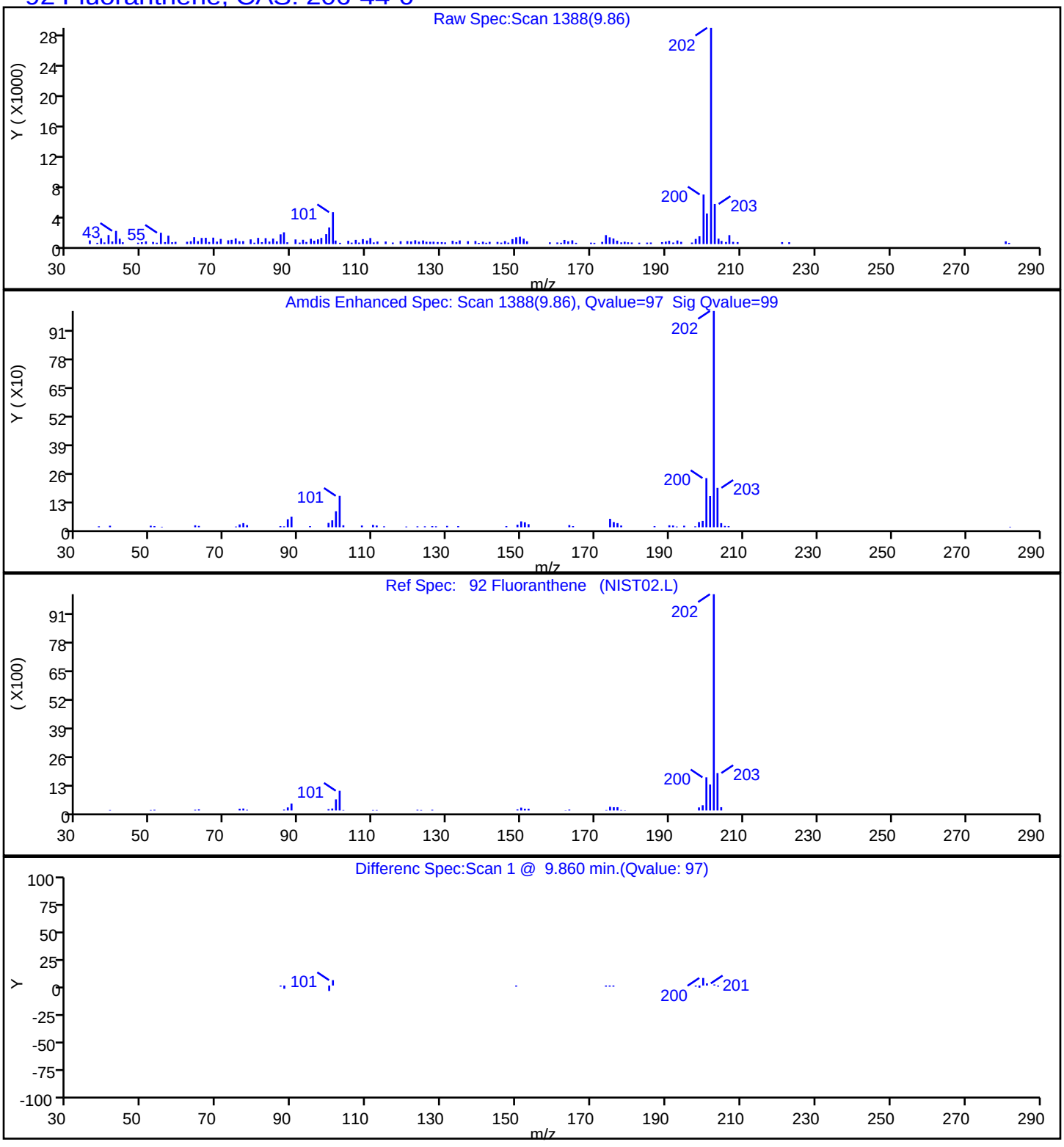


Report Date: 17-Sep-2019 08:48:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10		
Client ID:	MW-38I 091119				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

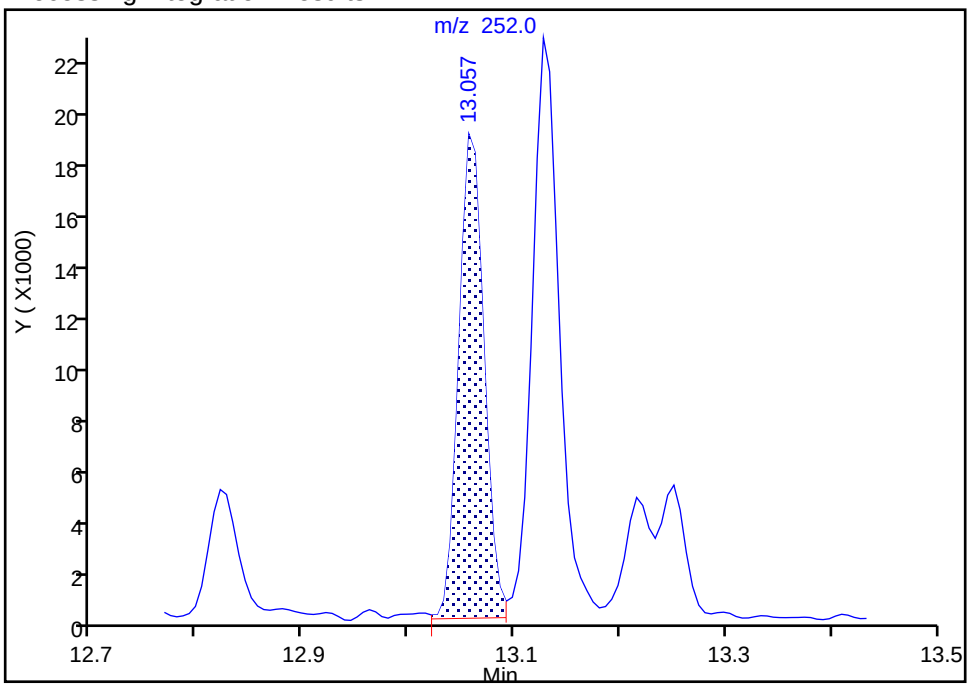
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10		
Client ID:	MW-38I 091119				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

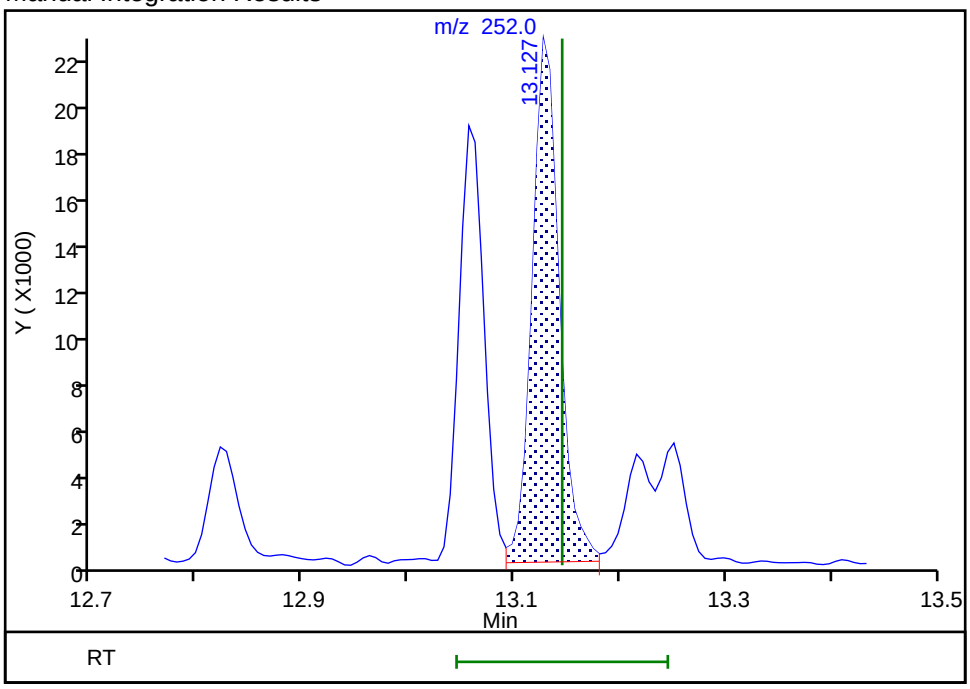
Processing Integration Results

RT: 13.06
Area: 31333
Amount: 0.105481
Amount Units: ug/ml



Manual Integration Results

RT: 13.13
Area: 40192
Amount: 0.135305
Amount Units: ug/ml



Reviewer: khlungprakhons, 17-Sep-2019 16:53:12

Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

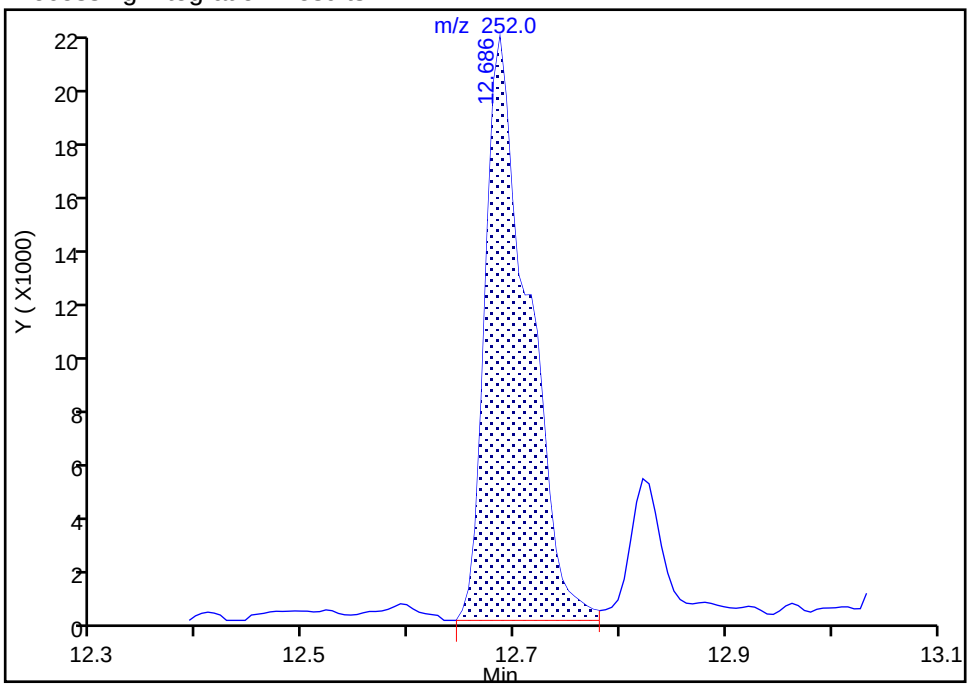
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10		
Client ID:	MW-38I 091119				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

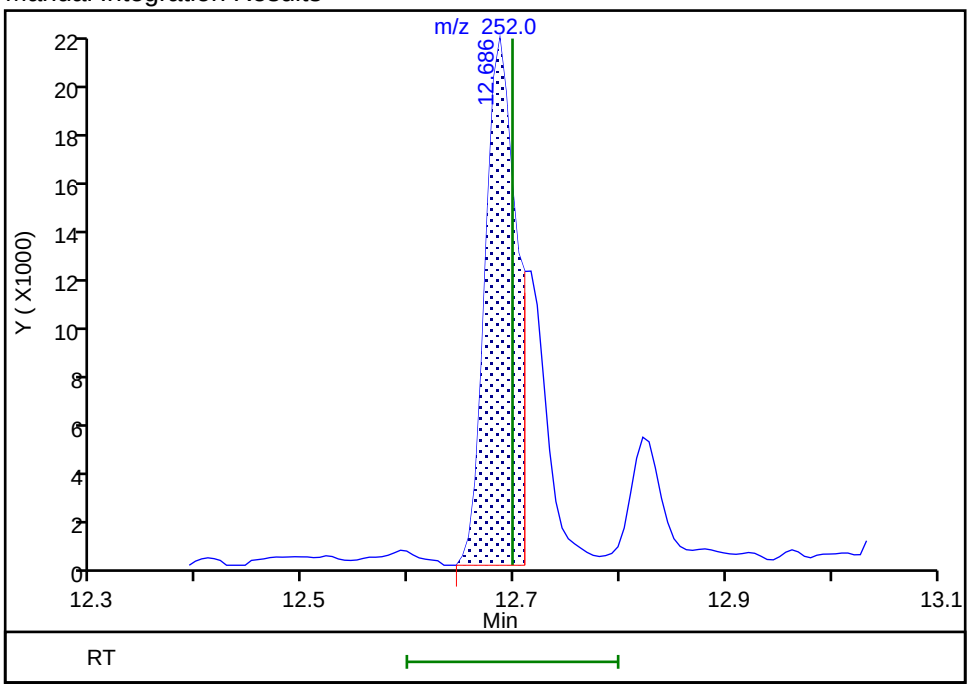
Processing Integration Results

RT: 12.69
Area: 61514
Amount: 0.192445
Amount Units: ug/ml



Manual Integration Results

RT: 12.69
Area: 46074
Amount: 0.144141
Amount Units: ug/ml



Reviewer: khlungprakhons, 17-Sep-2019 16:53:03

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

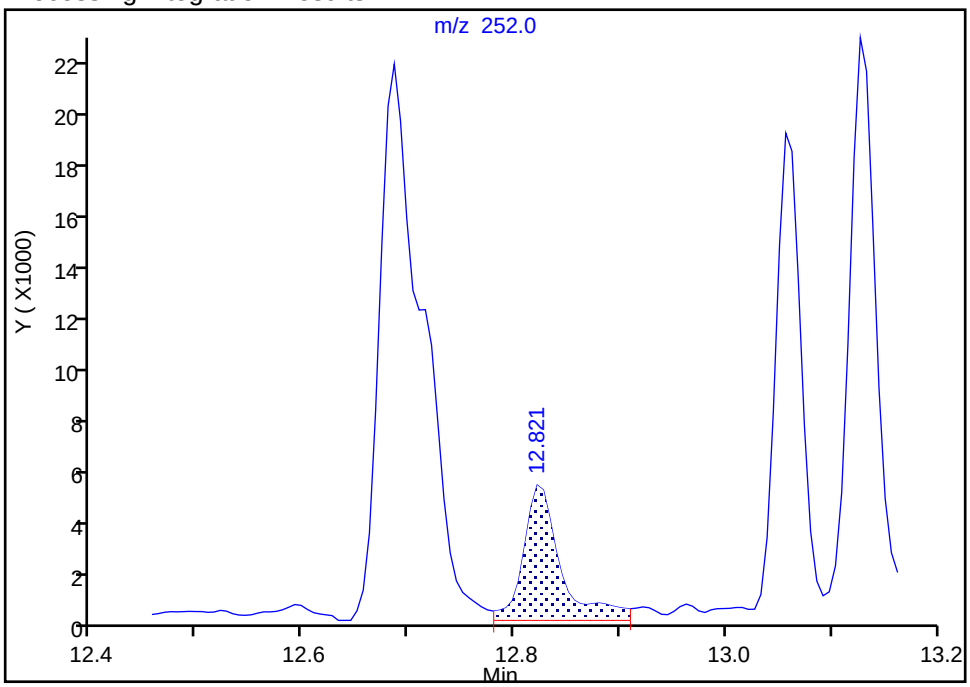
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163918.D				
Injection Date:	17-Sep-2019 05:25:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-10-A	Lab Sample ID:	460-191351-10		
Client ID:	MW-38I 091119				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

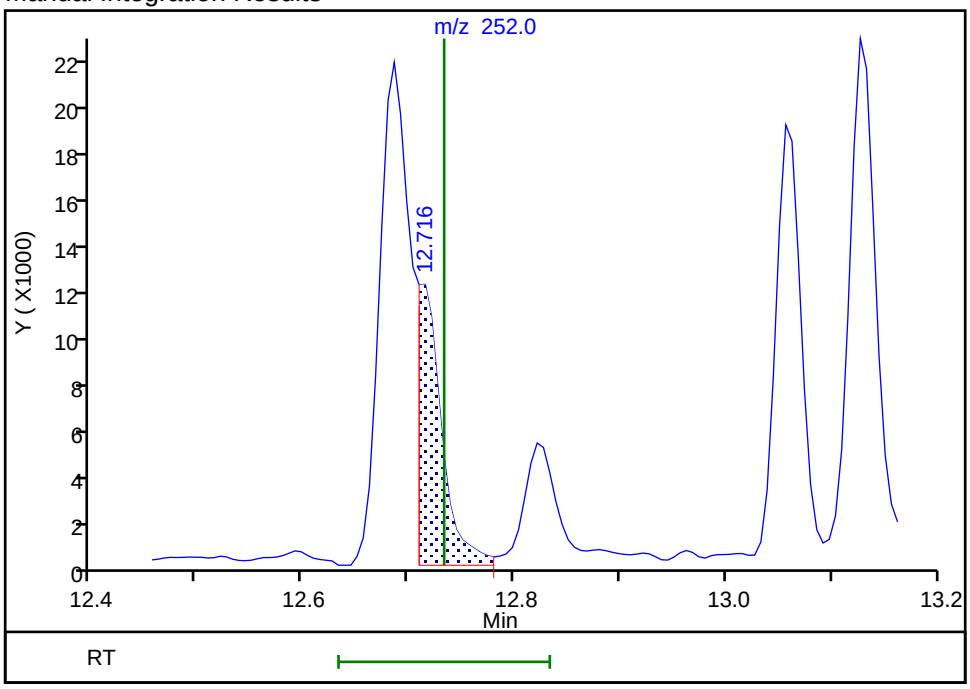
Processing Integration Results

RT: 12.82
Area: 13094
Amount: 0.039133
Amount Units: ug/ml



Manual Integration Results

RT: 12.72
Area: 19738
Amount: 0.058989
Amount Units: ug/ml



Reviewer: khlungprakhons, 17-Sep-2019 16:53:10

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.: 460-191351-1

SDG No.:

Client Sample ID: MW-36I 091119 Lab Sample ID: 460-191351-11

Matrix: Water Lab File ID: A163909.D

Analysis Method: 8270D Date Collected: 09/11/2019 14:35

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 02:16

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-36I 091119 Lab Sample ID: 460-191351-11

Matrix: Water Lab File ID: A163909.D

Analysis Method: 8270D Date Collected: 09/11/2019 14:35

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 02:16

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-36I 091119 Lab Sample ID: 460-191351-11

Matrix: Water Lab File ID: A163909.D

Analysis Method: 8270D Date Collected: 09/11/2019 14:35

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 02:16

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	109		26-139
321-60-8	2-Fluorobiphenyl	92		45-107
367-12-4	2-Fluorophenol (Surr)	47		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	100		51-108
4165-62-2	Phenol-d5 (Surr)	31		14-39
1718-51-0	Terphenyl-d14 (Surr)	85		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163909.D
Lims ID: 460-191351-F-11-A
Client ID: MW-36I 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 02:16:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-021
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 14:03:03 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 14:03:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	736551	4.68	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	571371	3.12	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	881977	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.976	0.000	86	1522021	9.96	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	3541864	8.00	
$ 51 2-Fluorobiphenyl	172	6.686	6.687	-0.007	98	3002641	9.22	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1700827	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.068	-0.006	94	333799	10.9	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2647745	8.00	
$ 96 Terphenyl-d14	244	10.227	10.222	-0.001	99	1915130	8.51	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1561195	8.00	
* 109 Perylene-d12	264	13.215	13.222	-0.007	98	1895077	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

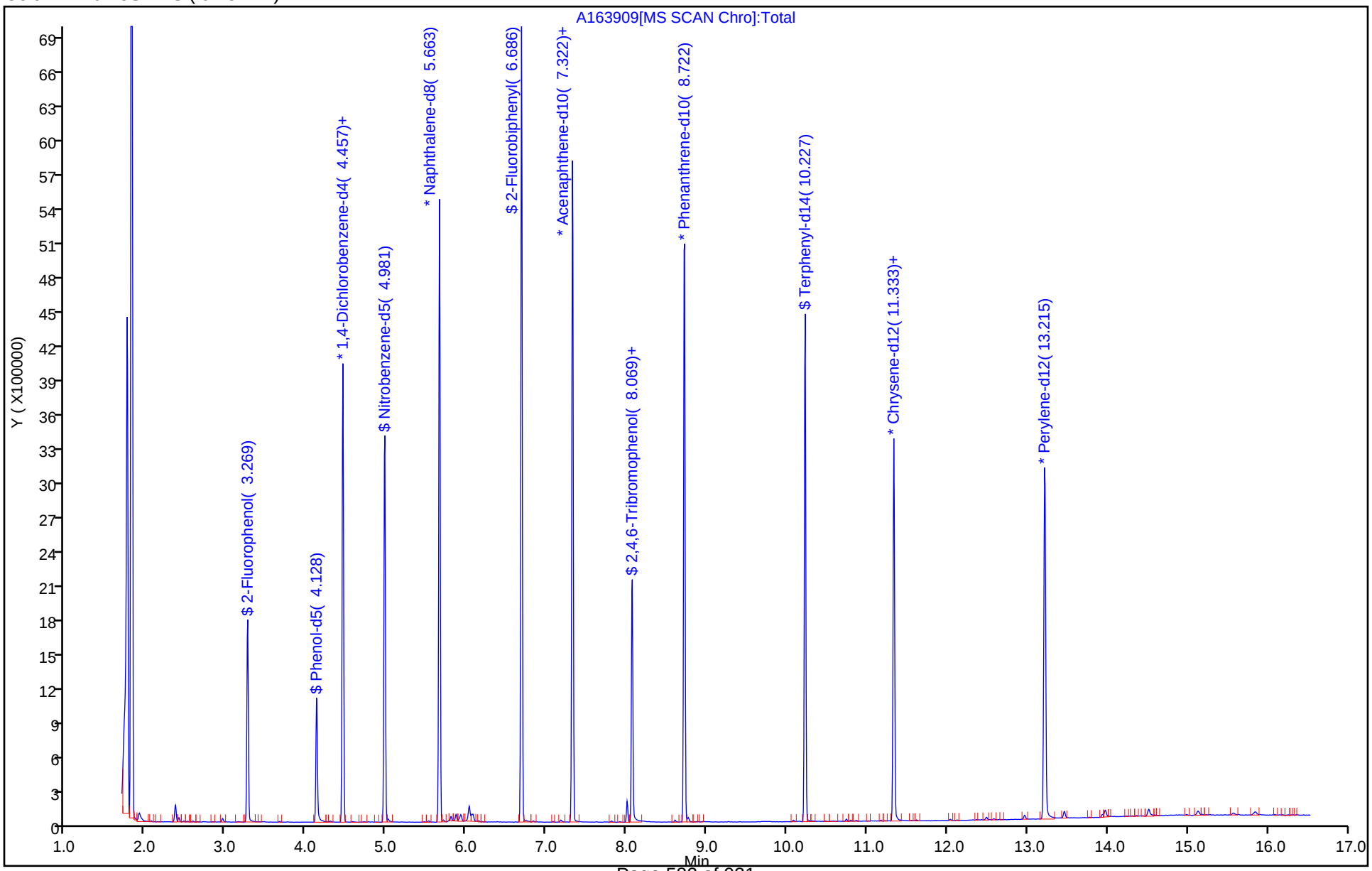
Report Date: 17-Sep-2019 14:03:03 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163909.D

Injection Date:	17-Sep-2019 02:16:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-11-A	Lab Sample ID:	460-191351-11	Worklist Smp#:	21
Client ID:	MW-36I 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



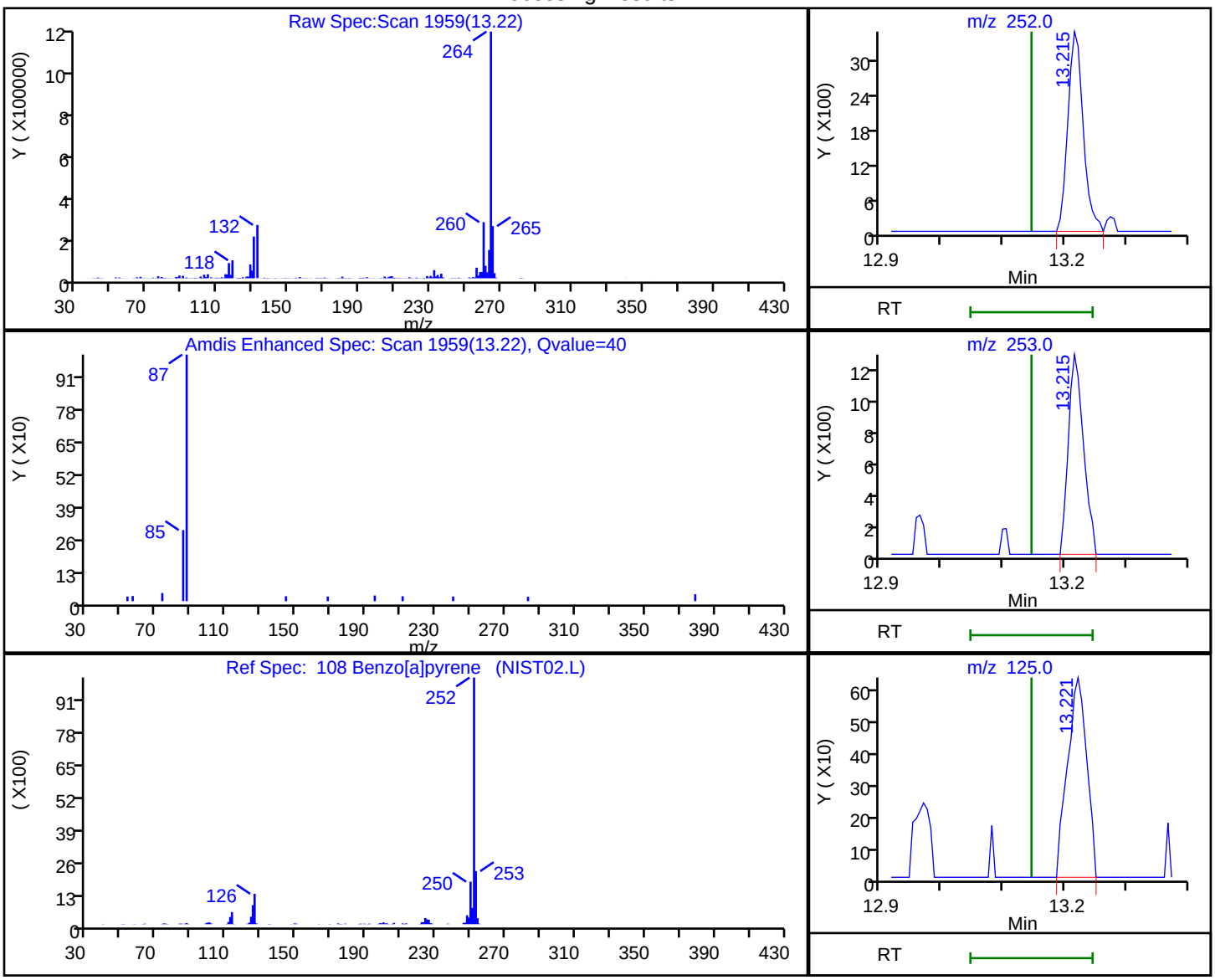
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163909.D				
Injection Date:	17-Sep-2019 02:16:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-11-A	Lab Sample ID:	460-191351-11		
Client ID:	MW-36I 091119				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	6001	0.022344
13.22	253.00	2110	
13.22	125.00	1384	

Reviewer: maheseep, 17-Sep-2019 14:02:48

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.: 460-191351-1

SDG No.:

Client Sample ID: MW-36D 091119 Lab Sample ID: 460-191351-12

Matrix: Water Lab File ID: A163910.D

Analysis Method: 8270D Date Collected: 09/11/2019 14:20

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 02:37

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-36D 091119 Lab Sample ID: 460-191351-12

Matrix: Water Lab File ID: A163910.D

Analysis Method: 8270D Date Collected: 09/11/2019 14:20

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 02:37

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-36D 091119 Lab Sample ID: 460-191351-12

Matrix: Water Lab File ID: A163910.D

Analysis Method: 8270D Date Collected: 09/11/2019 14:20

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 02:37

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	115		26-139
321-60-8	2-Fluorobiphenyl	95		45-107
367-12-4	2-Fluorophenol (Surr)	45		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	103		51-108
4165-62-2	Phenol-d5 (Surr)	30		14-39
1718-51-0	Terphenyl-d14 (Surr)	96		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163910.D
Lims ID: 460-191351-F-12-A
Client ID: MW-36D 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 02:37:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-022
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 14:03:40 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 14:03:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.263	3.269	-0.006	97	735936	4.49	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	562059	2.95	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	918606	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.976	0.000	87	1656571	10.3	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	3728684	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.687	-0.006	98	3261540	9.49	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1793771	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.068	-0.006	94	369169	11.5	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2767874	8.00	
$ 96 Terphenyl-d14	244	10.228	10.222	0.000	100	2232787	9.59	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1615268	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	99	1935120	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

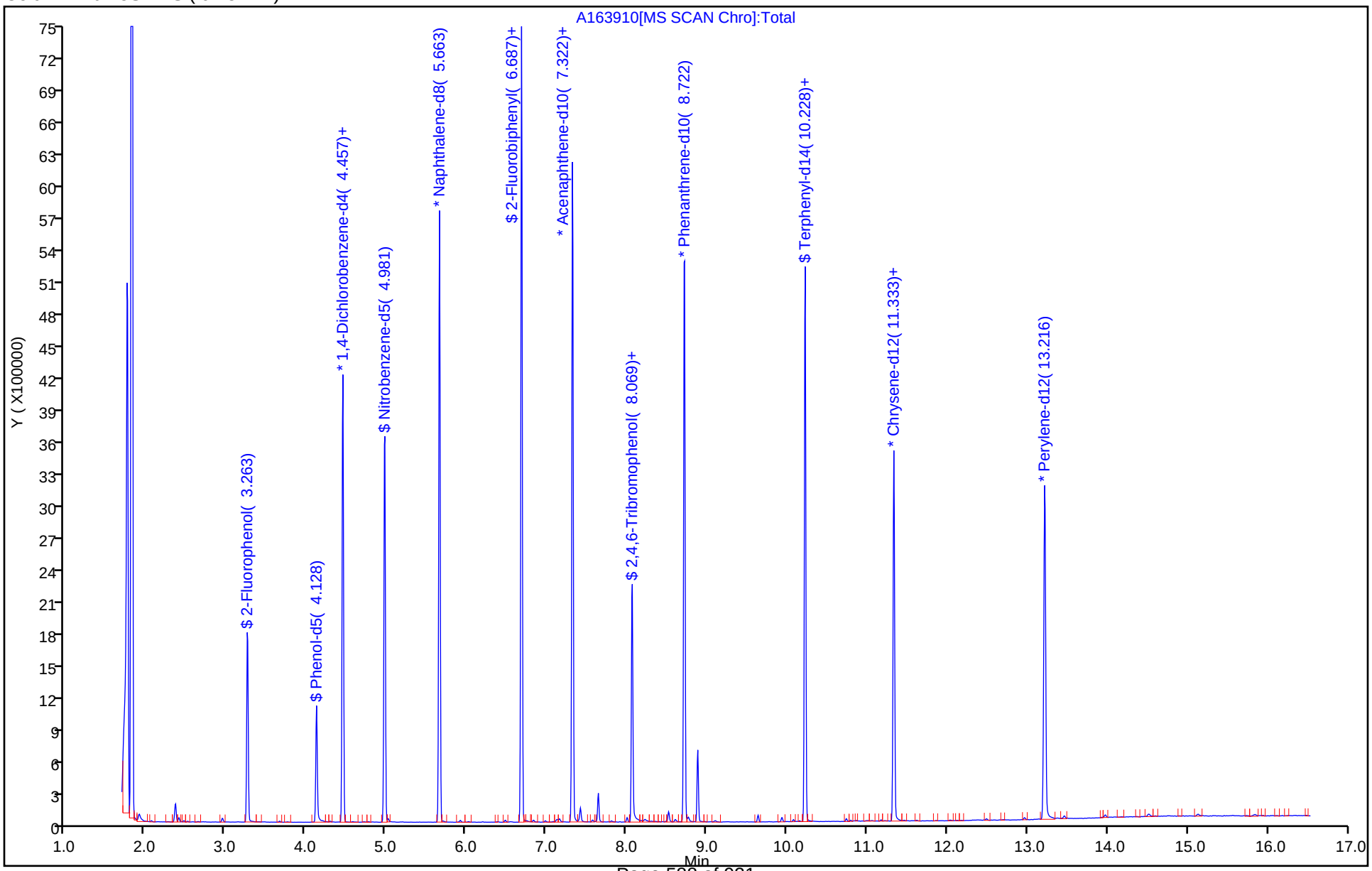
Report Date: 17-Sep-2019 14:03:40 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163910.D

Injection Date:	17-Sep-2019 02:37:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-12-A	Lab Sample ID:	460-191351-12	Worklist Smp#:	22
Client ID:	MW-36D 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



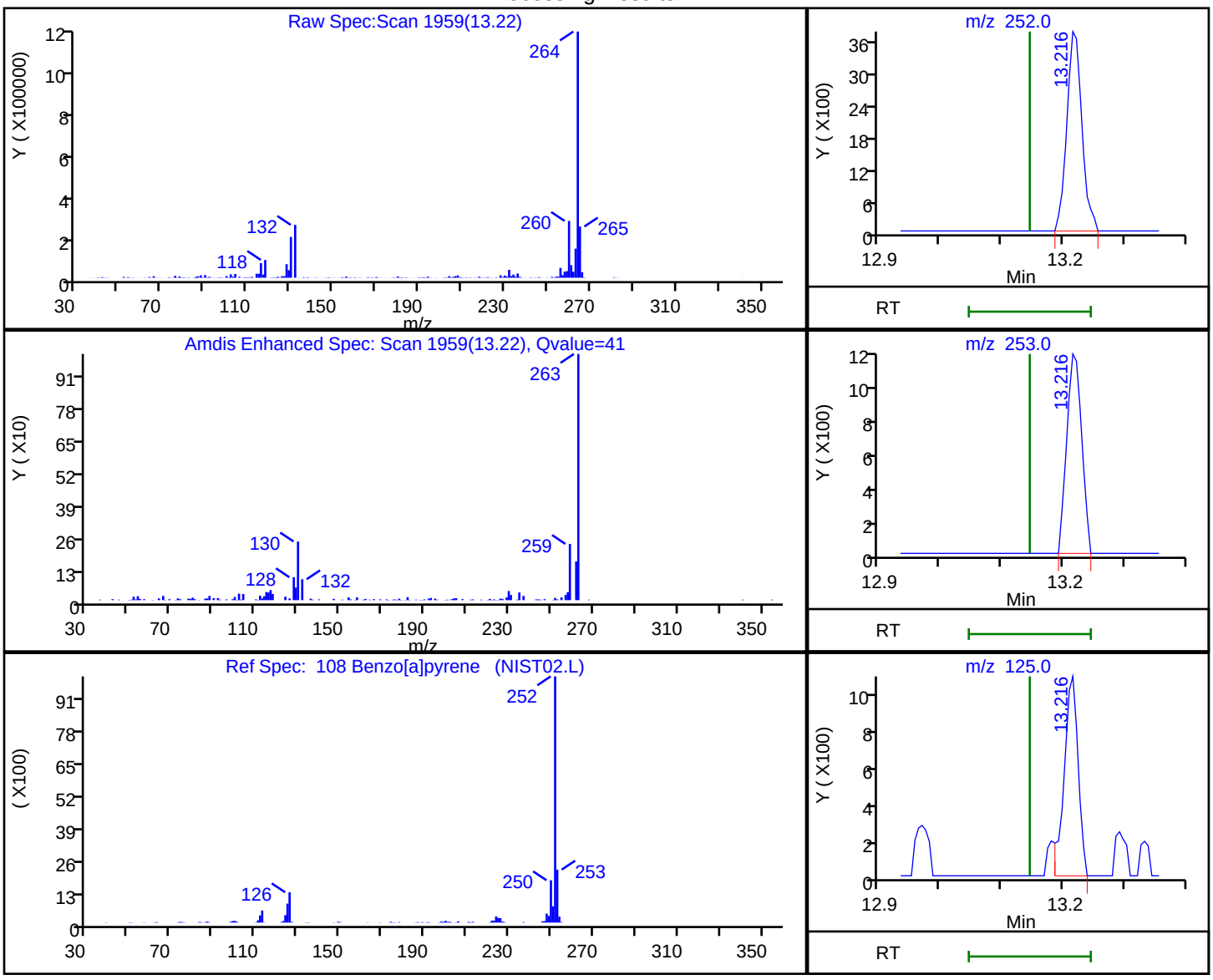
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163910.D				
Injection Date:	17-Sep-2019 02:37:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-12-A	Lab Sample ID:	460-191351-12		
Client ID:	MW-36D 091119				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	6431	0.023450
13.22	253.00	1947	
13.22	125.00	1698	

Reviewer: maheseep, 17-Sep-2019 14:03:17

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.: 460-191351-1

SDG No.:

Client Sample ID: MW-17 091119 Lab Sample ID: 460-191351-13

Matrix: Water Lab File ID: A163919.D

Analysis Method: 8270D Date Collected: 09/11/2019 15:40

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 05:46

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U *	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U *	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17 091119 Lab Sample ID: 460-191351-13

Matrix: Water Lab File ID: A163919.D

Analysis Method: 8270D Date Collected: 09/11/2019 15:40

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 05:46

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U *	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17 091119 Lab Sample ID: 460-191351-13

Matrix: Water Lab File ID: A163919.D

Analysis Method: 8270D Date Collected: 09/11/2019 15:40

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 05:46

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	112		26-139
321-60-8	2-Fluorobiphenyl	87		45-107
367-12-4	2-Fluorophenol (Surr)	43		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	97		51-108
4165-62-2	Phenol-d5 (Surr)	29		14-39
1718-51-0	Terphenyl-d14 (Surr)	59		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D
Lims ID: 460-191351-E-13-A
Client ID: MW-17 091119
Sample Type: Client
Inject. Date: 17-Sep-2019 05:46:30 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-031
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:45:01 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: khlungprakhons Date: 17-Sep-2019 17:13:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	96	590764	4.30	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	456864	2.86	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	769862	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	88	1296536	9.74	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	3084051	8.00	
$ 51 2-Fluorobiphenyl	172	6.686	6.693	-0.007	98	2473349	8.73	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1479134	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	296008	11.2	
* 87 Phenanthrene-d10	188	8.716	8.722	-0.006	98	2429823	8.00	
$ 96 Terphenyl-d14	244	10.227	10.228	-0.001	100	1364213	5.89	
* 102 Chrysene-d12	240	11.333	11.333	0.000	99	1607704	8.00	
106 Benzo[b]fluoranthene	252	12.686	12.698	-0.012	99	26875	0.0831	M
107 Benzo[k]fluoranthene	252	12.710	12.733	-0.023	62	10209	0.0302	Ma
108 Benzo[a]pyrene	252	13.127	13.145	-0.018	96	11206	0.0373	a
* 109 Perylene-d12	264	13.215	13.222	-0.007	98	2119452	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.751	14.780	-0.029	99	15894	0.0617	

QC Flag Legend

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

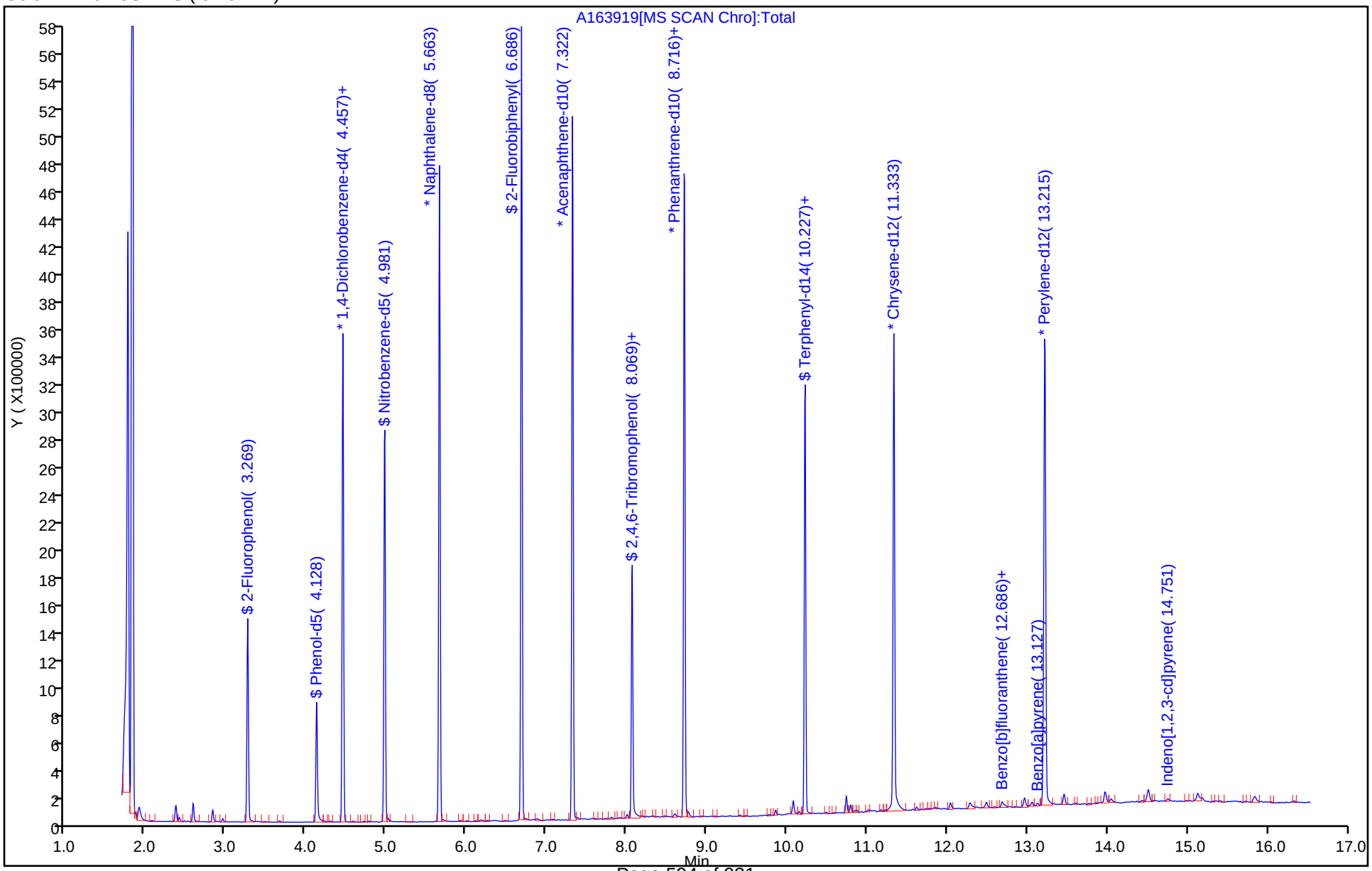
Report Date: 17-Sep-2019 08:49:09 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D

Injection Date:	17-Sep-2019 05:46:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-E-13-A	Lab Sample ID:	460-191351-13	Worklist Smp#:	31
Client ID:	MW-17 091119				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



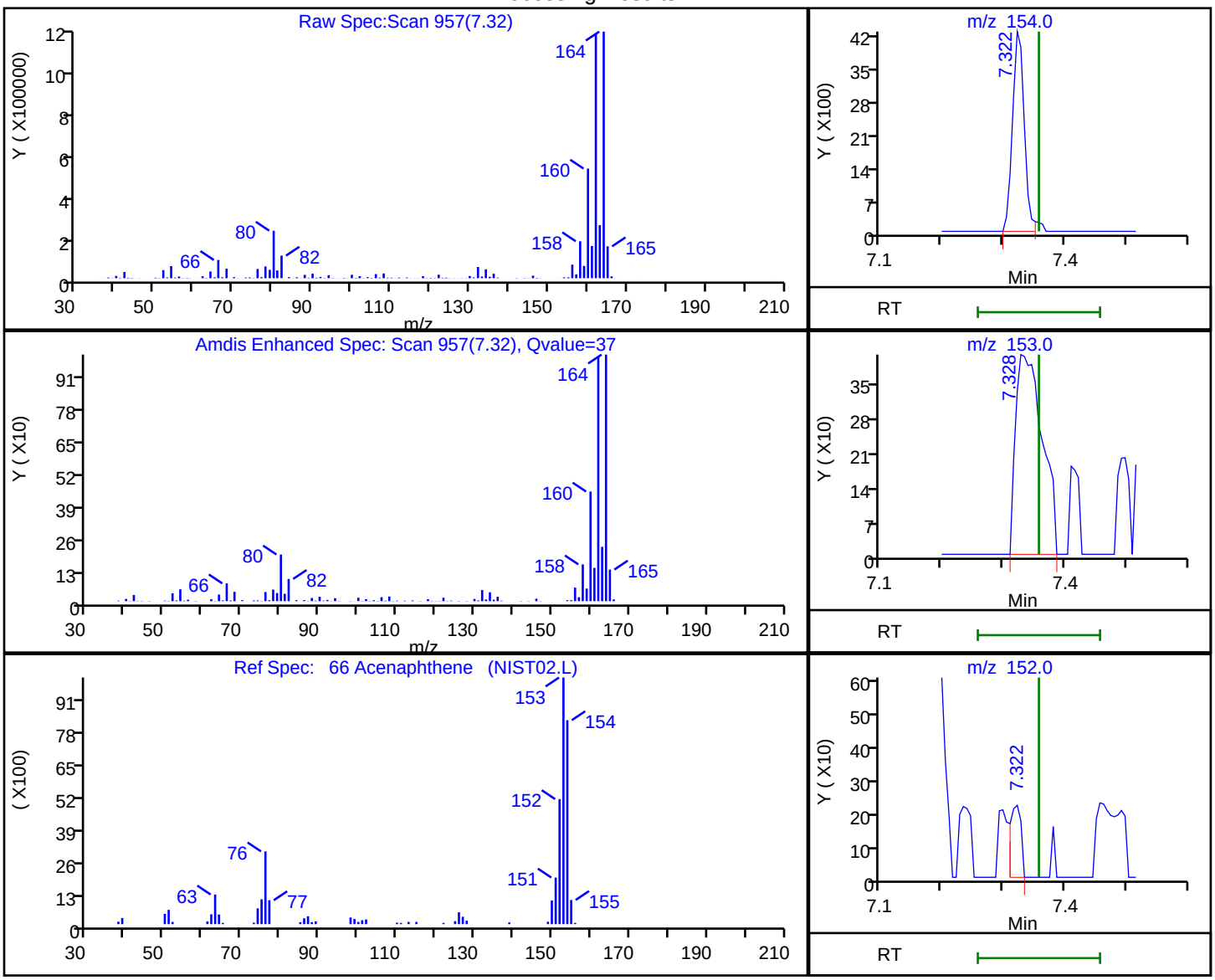
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D				
Injection Date:	17-Sep-2019 05:46:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-13-A	Lab Sample ID:	460-191351-13		
Client ID:	MW-17 091119				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.32	154.00	5722	0.024480
7.33	153.00	1212	
7.32	152.00	269	

Reviewer: khlungprakhons, 17-Sep-2019 17:11:41

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

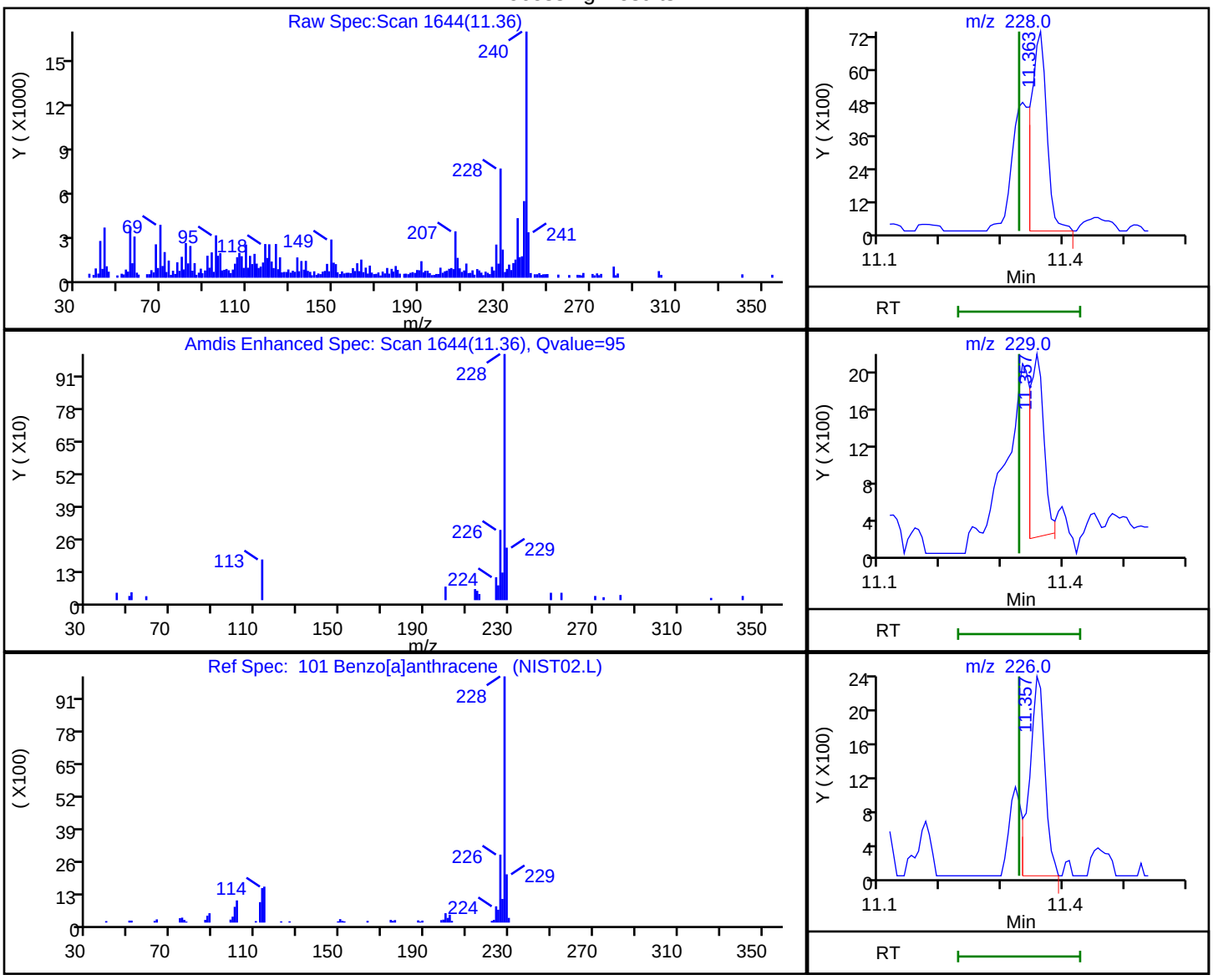
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D				
Injection Date:	17-Sep-2019 05:46:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-13-A	Lab Sample ID:	460-191351-13		
Client ID:	MW-17 091119				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
11.36	228.00	12783	0.047057
11.36	229.00	3114	
11.36	226.00	4144	

Reviewer: khlungprakhons, 17-Sep-2019 17:11:59

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

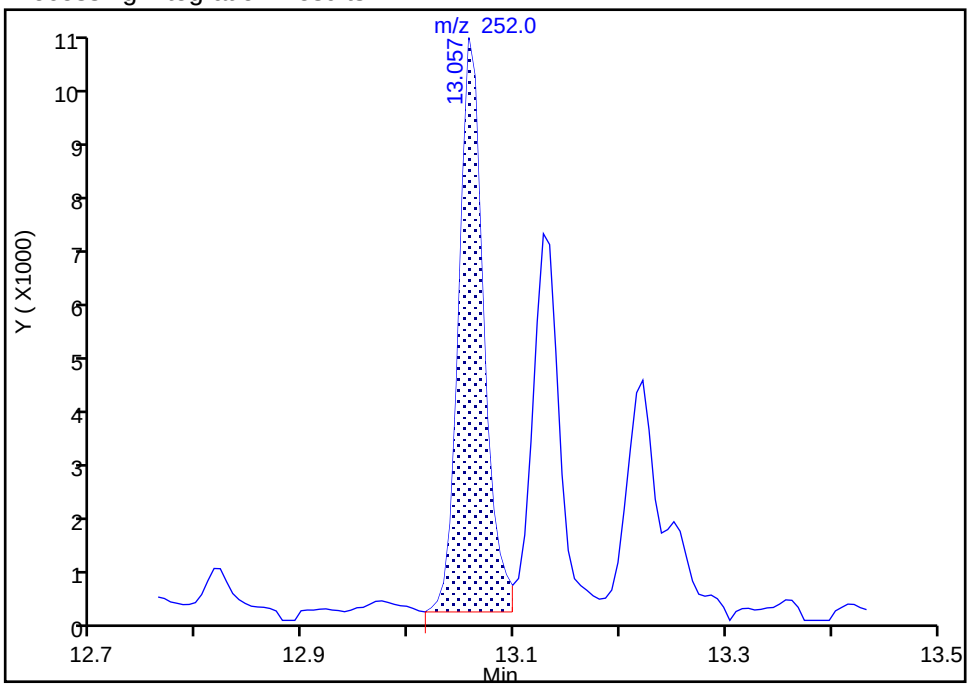
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D				
Injection Date:	17-Sep-2019 05:46:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-13-A	Lab Sample ID:	460-191351-13		
Client ID:	MW-17 091119				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

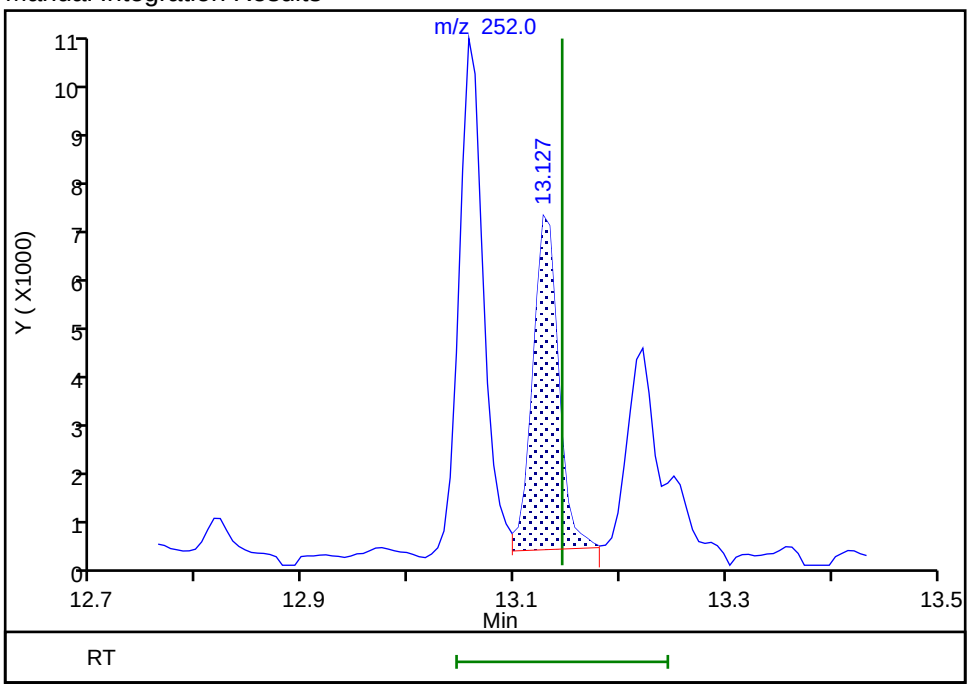
Processing Integration Results

RT: 13.06
Area: 16883
Amount: 0.056207
Amount Units: ug/ml



Manual Integration Results

RT: 13.13
Area: 11206
Amount: 0.037307
Amount Units: ug/ml



Reviewer: khlungprakhons, 17-Sep-2019 17:12:25

Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

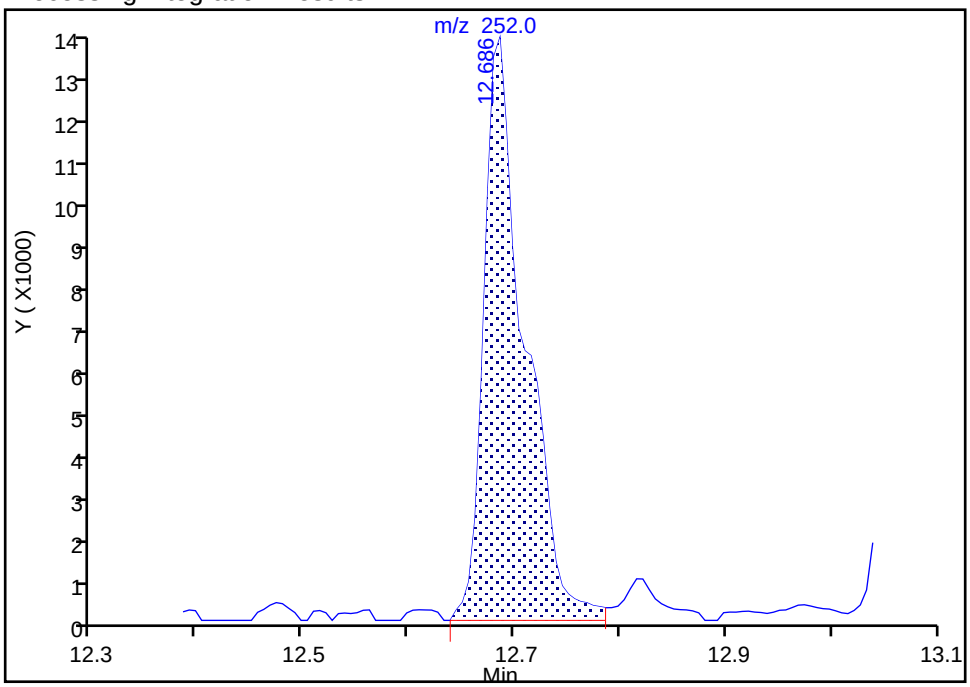
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D				
Injection Date:	17-Sep-2019 05:46:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-13-A	Lab Sample ID:	460-191351-13		
Client ID:	MW-17 091119				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

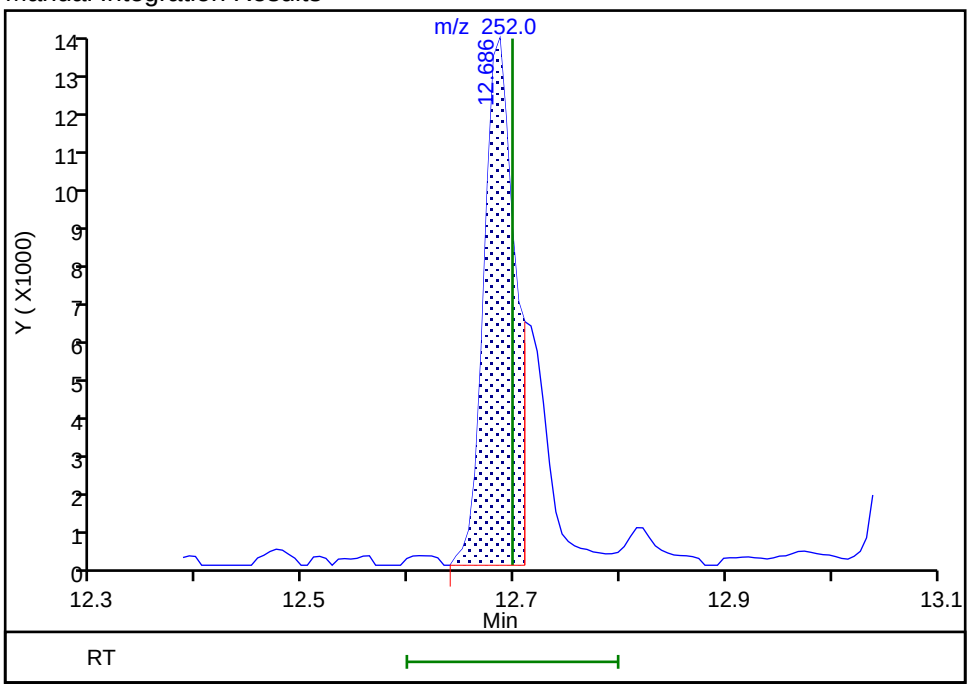
Processing Integration Results

RT: 12.69
Area: 34856
Amount: 0.107840
Amount Units: ug/ml



Manual Integration Results

RT: 12.69
Area: 26875
Amount: 0.083148
Amount Units: ug/ml



Reviewer: khlungprakhons, 17-Sep-2019 17:12:12

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

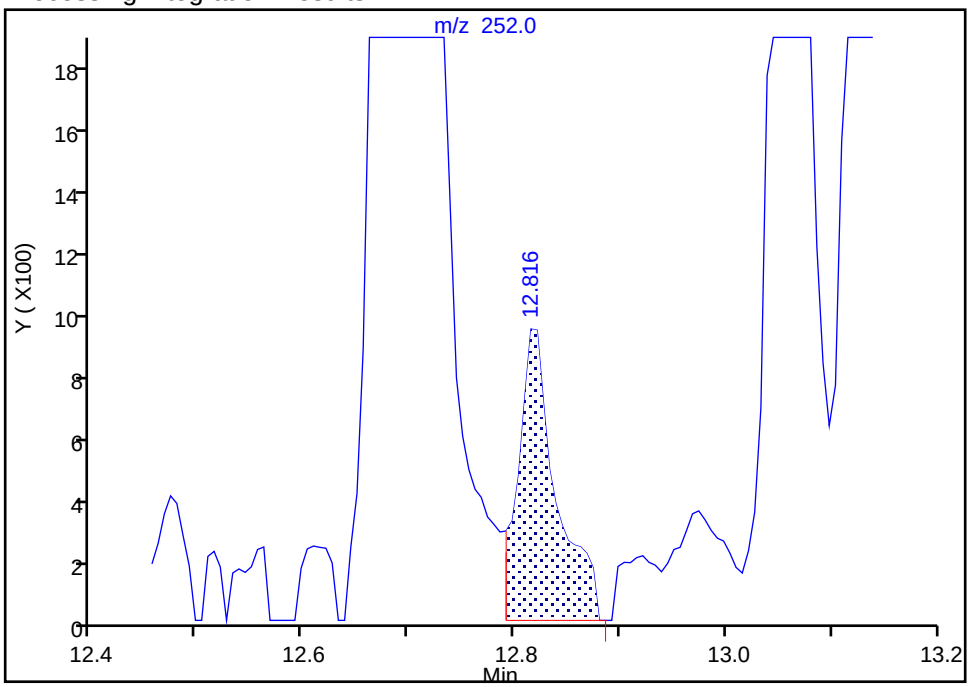
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D				
Injection Date:	17-Sep-2019 05:46:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-13-A	Lab Sample ID:	460-191351-13		
Client ID:	MW-17 091119				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

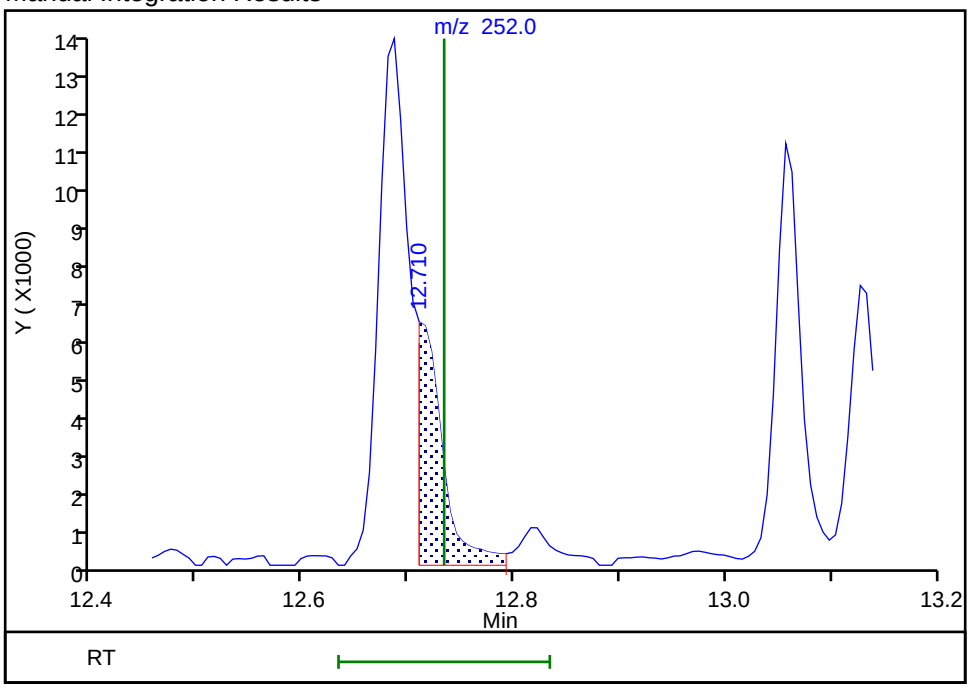
Processing Integration Results

RT: 12.82
Area: 2326
Amount: 0.006875
Amount Units: ug/ml



Manual Integration Results

RT: 12.71
Area: 10209
Amount: 0.030173
Amount Units: ug/ml



Reviewer: khlungprakhons, 17-Sep-2019 17:12:21

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

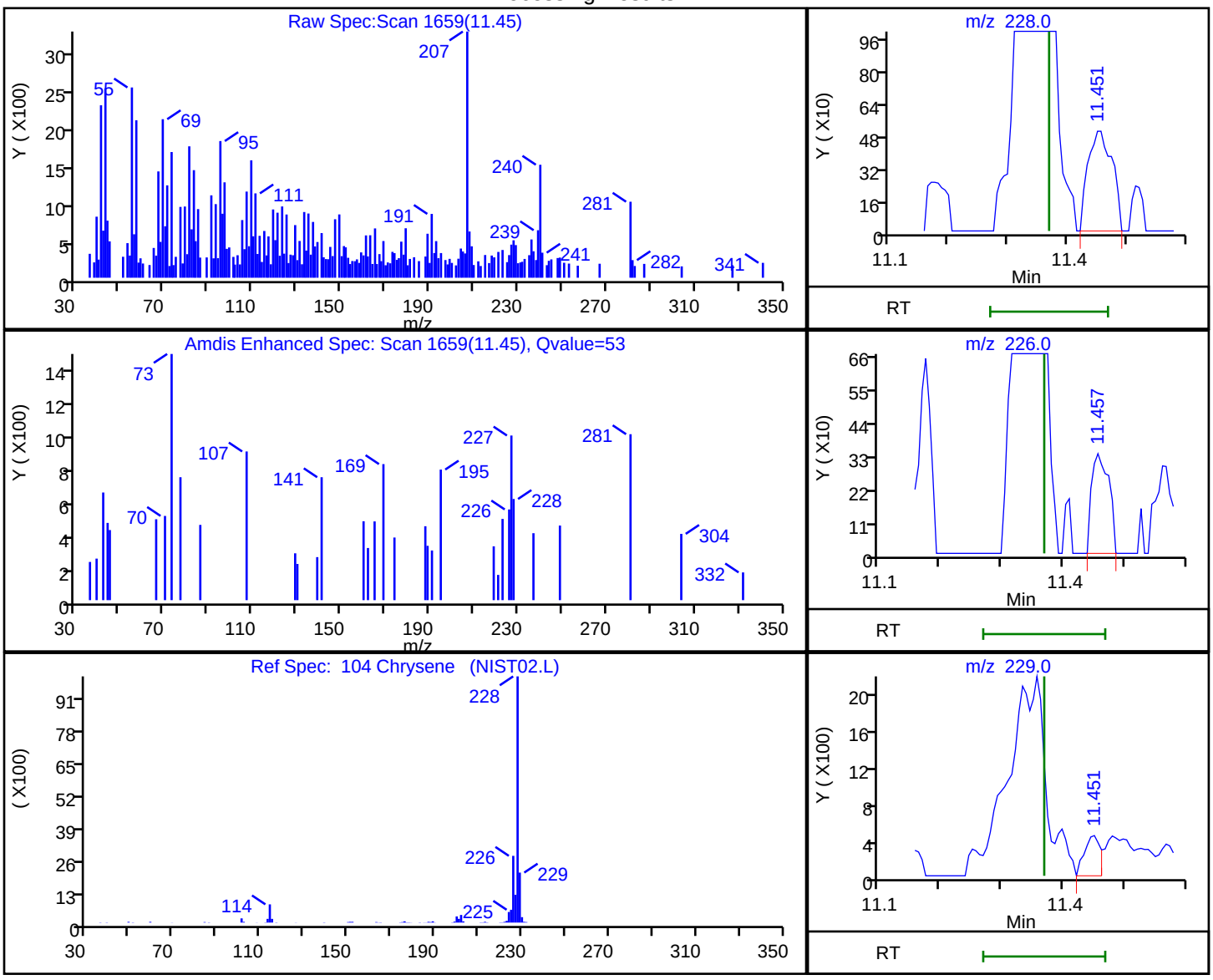
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D				
Injection Date:	17-Sep-2019 05:46:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-13-A	Lab Sample ID:	460-191351-13		
Client ID:	MW-17 091119				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.45	228.00	1421	0.005599
11.46	226.00	655	
11.45	229.00	780	

Reviewer: khlungprakhons, 17-Sep-2019 17:12:05

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

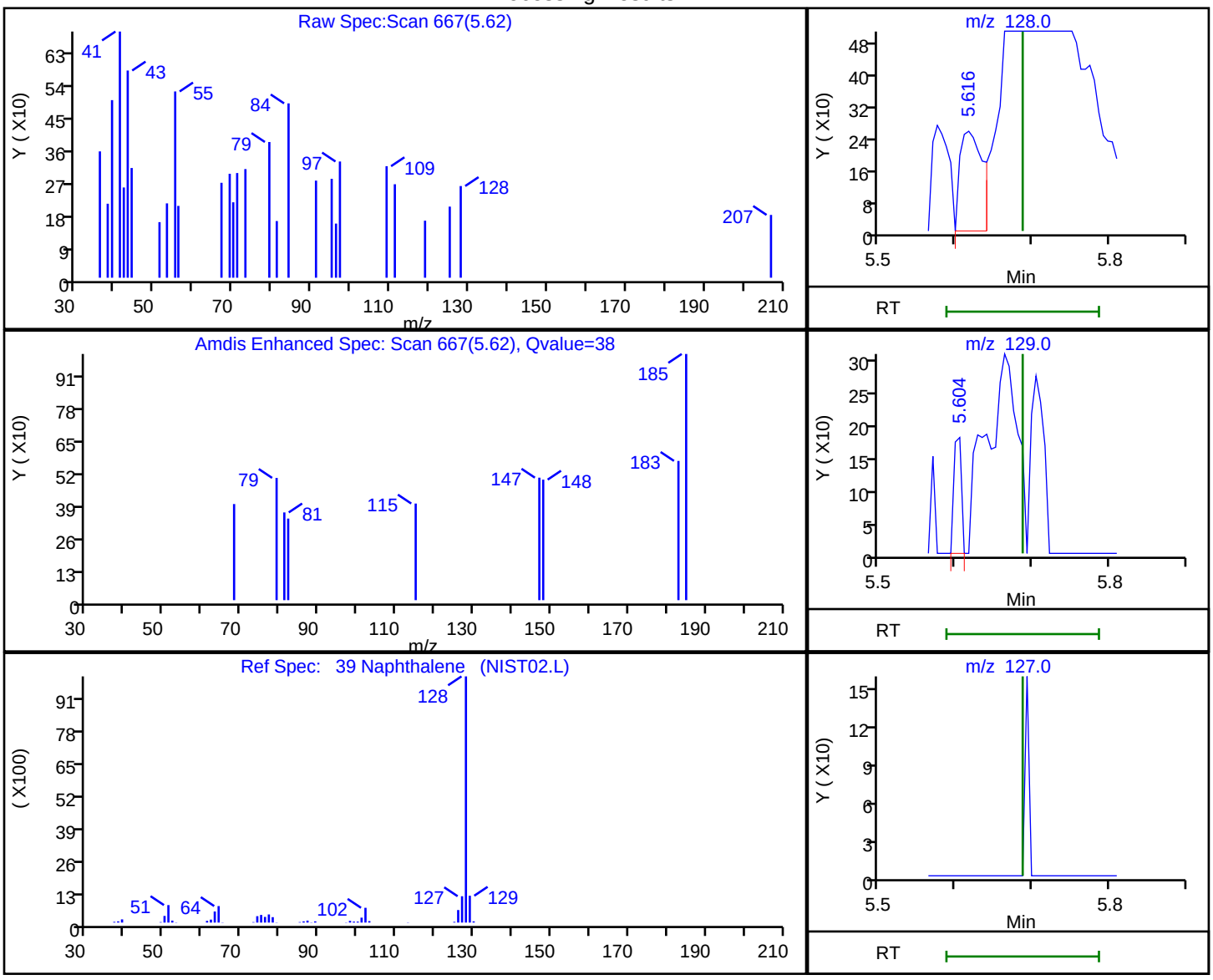
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163919.D				
Injection Date:	17-Sep-2019 05:46:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-E-13-A	Lab Sample ID:	460-191351-13		
Client ID:	MW-17 091119				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.62	128.00	526	0.001322
5.60	129.00	124	
5.69	127.00	0	

Reviewer: khlungprakhons, 17-Sep-2019 17:11:33

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-636864/9	A163576.D
Level 2	STD02 460-636864/8	A163575.D
Level 3	STD1 460-636864/7	A163574.D
Level 4	STD2 460-636864/6	A163573.D
Level 5	STD4 460-636864/5	A163572.D
Level 6	ICIS 460-636864/2	A163569.D
Level 7	STD16 460-636864/4	A163571.D
Level 8	STD24 460-636864/3	A163570.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5469	0.5573	0.5519 0.5431	0.5838	0.5581	Ave		0.5569				2.6		20.0			
N-Nitrosodimethylamine	0.8367	0.8373	0.8160 0.8431	0.8461	0.8700	Ave		0.8415				2.1		20.0			
Pyridine	1.1896	1.2322	1.1104 1.2683	1.2271	1.2334	Ave		1.2102				4.5		20.0			
Phenol	1.7199	1.6961	1.7190 1.8090	1.7710	1.7686	Ave		1.7473			0.8000	2.4		20.0			
Aniline	2.0901	2.0884	2.0511 2.1564	2.1121	2.1688	Ave		2.1112				2.1		20.0			
Bis(2-chloroethyl)ether	1.4053 1.2997	1.3003 1.2951	1.3233 1.3047	1.3486	1.3547	Ave		1.3289			0.7000	2.9		20.0			
2-Chlorophenol	1.4579	1.4490	1.4686 1.4526	1.5256	1.5484	Ave		1.4837			0.8000	2.9		20.0			
n-Decane	1.2999	1.3441	1.3120 1.2842	1.3883	1.3784	Ave		1.3345				3.2		20.0			
1,3-Dichlorobenzene	1.5227	1.5493	1.5396 1.5275	1.5879	1.6077	Ave		1.5558				2.2		20.0			
1,4-Dichlorobenzene	1.5387	1.5480	1.5876 1.5303	1.6075	1.6085	Ave		1.5701				2.3		20.0			
Benzyl alcohol	0.8513	0.8367	0.8807 0.8983	0.8654	0.8665	Ave		0.8665				2.5		20.0			
1,2-Dichlorobenzene	1.4507	1.4558	1.5230 1.4393	1.5246	1.5465	Ave		1.4900				3.1		20.0			
2-Methylphenol	1.2253	1.1862	1.2774 1.1951	1.2994	1.2970	Ave		1.2467			0.7000	4.1		20.0			
2,2'-oxybis[1-chloropropane]	1.6027	1.5399	1.7057 1.5026	1.7085	1.6961	Ave		1.6259			0.0100	5.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Methylaniline	2.0286 1.9133	2.0342 1.8013	1.7763 1.8773	1.9542	1.9813	Ave		1.9208				5.1		20.0			
3 & 4 Methylphenol	1.2856	1.1950	1.4238 1.2136	1.4448	1.4077	Ave		1.3284				8.4		20.0			
4-Methylphenol	1.2829	1.1901	1.4162 1.2106	1.4359	1.4073	Ave		1.3238			0.6000	8.3		20.0			
N-Nitrosodi-n-propylamine	0.8751 0.8381	0.9168 0.7960	0.9157 0.8301	0.9203	0.8941	Ave		0.8733			0.5000	5.4		20.0			
Acetophenone	1.7587	1.6298	2.0079 1.6173	1.9615	1.9446	Ave		1.8200			0.0100	9.6		20.0			
Hexachloroethane	0.4947 0.5312	0.5657 0.5411	0.5189 0.5213	0.5475	0.5704	Ave		0.5363			0.3000	4.7		20.0			
Nitrobenzene	0.5991 0.6625	0.6399 0.6257	0.6665 0.6305	0.7164	0.7141	Ave		0.6568			0.2000	6.4		20.0			
n,n'-Dimethylaniline	2.3364 2.0819	2.2127 1.9205	2.1103 1.9400	2.0964	2.1252	Ave		2.1029				6.4		20.0			
Isophorone	0.5989	0.5909 0.6058	0.6175 0.6050	0.6288	0.6180	Ave		0.6093			0.4000	2.1		20.0			
2-Nitrophenol	0.1718	0.1823	0.1415 0.1761	0.1636	0.1723	Ave		0.1679			0.1000	8.5		20.0			
2,4-Dimethylphenol	0.2967	0.2943	0.2998 0.2752	0.3212	0.3109	Ave		0.2997			0.2000	5.2		20.0			
Benzoic acid	0.1303	0.1795	0.0492 0.1916	0.0821	0.1172	Qua	-0.113	0.1306	0.0028171						0.9960		0.9900
Bis(2-chloroethoxy)methane	0.3741	0.3806	0.3864 0.3739	0.4027	0.3843	Ave		0.3837			0.3000	2.8		20.0			
2,4-Dichlorophenol	0.2626	0.2692	0.2570 0.2607	0.2721	0.2739	Ave		0.2659			0.2000	2.6		20.0			
1,2,4-Trichlorobenzene	0.2814 0.2836	0.2980 0.2935	0.2946 0.2755	0.3074	0.2988	Ave		0.2916				3.6		20.0			
Naphthalene	1.0078	1.0127	1.0488 0.9787	1.0827	1.0613	Ave		1.0320			0.7000	3.8		20.0			
4-Chloroaniline	0.4121	0.4041	0.4294 0.3982	0.4386	0.4326	Ave		0.4192			0.0100	4.0		20.0			
Hexachlorobutadiene	0.1285 0.1378	0.1464 0.1438	0.1443 0.1351	0.1540	0.1470	Ave		0.1421			0.0100	5.6		20.0			
4-Chloro-3-methylphenol	0.2577	0.2556	0.2536 0.2508	0.2672	0.2692	Ave		0.2590			0.2000	2.9		20.0			
2-Methylnaphthalene	0.6492	0.6642 0.6339	0.6677 0.6199	0.6891	0.6806	Ave		0.6578			0.4000	3.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.5952	0.5772 0.5894	0.6329 0.5798	0.6345	0.6230	Ave		0.6046				4.1		20.0			
Hexachlorocyclopentadiene	0.3420	0.3492	0.2582 0.3435	0.3101	0.3325	Ave		0.3226			0.0500	10.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.5565	0.5488	0.5743 0.5299	0.5914	0.6042	Ave		0.5675			0.0100	4.9		20.0			
2-tertbutyl-4-methylphenol	0.4087	0.4094 0.3962	0.3981 0.3984	0.4191	0.4000	Ave		0.4043				2.1		20.0			
2,4,6-Trichlorophenol	0.3809	0.2921 0.3876	0.3926 0.4057	0.4267	0.4159	Ave		0.3859			0.2000	11.5		20.0			
2,4,5-Trichlorophenol	0.4366	0.4334	0.4050 0.4151	0.4156	0.4324	Ave		0.4230			0.2000	3.0		20.0			
1,1'-Biphenyl	1.6919	1.6620	1.6882 1.6411	1.7920	1.7490	Ave		1.7040			0.0100	3.3		20.0			
2-Chloronaphthalene	1.2823	1.2706	1.2990 1.2523	1.3711	1.3616	Ave		1.3061			0.8000	3.8		20.0			
Phenyl ether	0.8401	0.8219	0.8708 0.8377	0.8618	0.8465	Ave		0.8465				2.1		20.0			
2-Nitroaniline	0.3919	0.3969	0.3578 0.3999	0.3850	0.4072	Ave		0.3898			0.0100	4.5		20.0			
1,3-Dimethylnaphthalene	1.0673	1.0133	0.9752 1.0154	1.0691	1.0605	Ave		1.0334				3.7		20.0			
Dimethyl phthalate	1.3132	1.3394	1.3672 1.3057	1.4314	1.3845	Ave		1.3569			0.0100	3.5		20.0			
Coumarin	0.1963	0.1948	0.2177 0.1953	0.2115	0.2079	Ave		0.2039				4.8		20.0			
2,6-Dinitrotoluene	0.3017	0.1968 0.3090	0.2733 0.3083	0.3055	0.3141	Lin2	-0.023	0.3097			0.2000				0.9990		0.9900
Acenaphthylene	1.9406	1.9463	1.9063 1.9565	2.0344	2.0081	Ave		1.9654			0.9000	2.4		20.0			
3-Nitroaniline	0.3403	0.3487	0.3253 0.3407	0.3582	0.3643	Ave		0.3463			0.0100	4.0		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.9851	0.9093	0.9891 0.8874	0.9654	0.9265	Ave		0.9438				4.5		20.0			
Acenaphthene	1.2657	1.2819	1.2510 1.1568	1.3162	1.3137	Ave		1.2642			0.9000	4.6		20.0			
2,4-Dinitrophenol	0.1369	0.1624	0.0510 0.1705	0.0869	0.1191	Qua	-0.224	0.1411	0.0007279		0.0100				0.9990		0.9900
4-Nitrophenol	0.2075	0.2219	0.1842 0.2218	0.2086	0.2230	Ave		0.2112			0.0100	7.1		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3732	0.2165 0.3950	0.3420 0.3862	0.3916	0.4043	Lin2	-0.036	0.3938			0.2000				0.9980		0.9900
Dibenzofuran	1.6535	1.6387	1.6974 1.6135	1.7551	1.7220	Ave		1.6800			0.8000	3.2		20.0			
2,3,4,6-Tetrachlorophenol	0.2766	0.2840	0.2578 0.2779	0.2786	0.2842	Ave		0.2765			0.0100	3.5		20.0			
Diethyl phthalate	1.2409	1.2962	1.2846 1.2942	1.4229	1.5509	Ave		1.3483			0.0100	8.6		20.0			
4-Chlorophenyl phenyl ether	0.5424	0.5203	0.5844 0.5012	0.5891	0.5913	Ave		0.5548			0.4000	7.0		20.0			
Fluorene	1.2553	1.2237	1.3192 1.1839	1.3546	1.3374	Ave		1.2790			0.9000	5.3		20.0			
4-Nitroaniline	0.3153	0.3375	0.3102 0.3359	0.3347	0.3475	Ave		0.3302			0.0100	4.3		20.0			
4,6-Dinitro-2-methylphenol	0.1088	0.1297	0.0624 0.1379	0.0891	0.1047	Lin2	-0.139	0.1281			0.0100				0.9920		0.9900
N-Nitrosodiphenylamine	0.6023	0.6090	0.6153 0.6159	0.6434	0.6422	Ave		0.6214			0.0100	2.8		20.0			
1,2-Diphenylhydrazine	0.8224	0.8419	0.8556 0.8429	0.8590	0.8592	Ave		0.8468				1.7		20.0			
4-Bromophenyl phenyl ether	0.2045	0.2062	0.2107 0.2004	0.2214	0.2110	Ave		0.2090			0.1000	3.5		20.0			
Hexachlorobenzene	0.2167 0.2057	0.2308 0.2148	0.2237 0.2069	0.2194	0.2227	Ave		0.2176			0.1000	3.9		20.0			
Pentachlorophenol	0.1199	0.1314	0.1002 0.1313	0.1144	0.1215	Ave		0.1198			0.0500	9.8		20.0			
Pentachloronitrobenzene	0.0853	0.0867	0.0699 0.0870	0.0822	0.0820	Ave		0.0822			0.0100	7.8		20.0			
n-Octadecane	0.4888	0.5080	0.4491 0.4774	0.4833	0.4877	Ave		0.4824				4.0		20.0			
Phenanthrene	1.1268	1.1545	1.2016 1.1314	1.2229	1.2033	Ave		1.1734			0.7000	3.5		20.0			
Anthracene	1.1585	1.1848	1.1870 1.1406	1.2208	1.2212	Ave		1.1855			0.7000	2.7		20.0			
Carbazole	1.0037	1.0497	1.0788 1.0016	1.1050	1.0885	Ave		1.0545			0.0100	4.2		20.0			
Di-n-butyl phthalate	1.2118	1.3047	1.1646 1.2527	1.2963	1.2836	Ave		1.2523			0.0100	4.4		20.0			
Fluoranthene	1.0200	1.0906	1.0772 1.0430	1.1218	1.1243	Ave		1.0795			0.6000	3.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzidine	0.6480	0.6671	0.6376 0.6397	0.5750	0.6357	Ave		0.6339				4.9		20.0			
Pyrene	1.6980	1.6778	1.8591 1.7491	1.7570	1.7784	Ave		1.7532			0.6000	3.7		20.0			
Bisphenol-A	0.5912	0.6174	0.4266 0.6553	0.4643	0.5036	Ave		0.5431				16.8		20.0			
Butyl benzyl phthalate	0.7167	0.7348	0.6784 0.7534	0.7208	0.7325	Ave		0.7228			0.0100	3.5		20.0			
2,3,7,8-TCDD	0.1433					Ave		0.1433						20.0			
Carbamazepine	0.5281	0.5876	0.3403 0.6270	0.4490	0.5001	Lin2	-0.263	0.5911			0.0100				0.9960		0.9900
3,3'-Dichlorobenzidine	0.4673	0.3834 0.5010	0.4585 0.5154	0.4686	0.4884	Ave		0.4690			0.0100	9.1		20.0			
Benzo[a]anthracene	1.4866 1.3027	1.3090 1.2900	1.4213 1.2979	1.3474	1.3590	Ave		1.3518			0.8000	5.2		20.0			
Chrysene	1.2381	1.2572 1.2102	1.3572 1.1803	1.2970	1.3001	Ave		1.2629			0.7000	4.8		20.0			
Bis(2-ethylhexyl) phthalate	0.9492	0.6704 0.9684	0.8535 0.9671	0.9190	0.9552	Ave		0.8975			0.0100	12.0		20.0			
Di-n-octyl phthalate	1.5994	1.6814	1.3029 1.5265	1.6133	1.6620	Ave		1.5643			0.0100	8.9		20.0			
Benzo[b]fluoranthene	1.1583 1.2266	1.2002 1.2420	1.2260 1.1629	1.2953	1.2487	Ave		1.2200			0.7000	3.7		20.0			
Benzo[k]fluoranthene	1.1399 1.2233	1.2611 1.2608	1.2897 1.1860	1.3966	1.4595	Ave		1.2771			0.7000	8.3		20.0			
Benzo[a]pyrene	1.0336 1.1394	1.0014 1.2122	1.0963 1.1696	1.1969	1.2207	Ave		1.1338			0.7000	7.3		20.0			
Indeno[1,2,3-cd]pyrene	0.9067 1.2952	0.9359 1.3931	1.0360 1.6856	1.1629	1.2143	QuaF		0.9710	0.0293186		0.5000				0.9990		0.9900
Dibenz(a,h)anthracene	0.9711 1.2669	1.0980 1.2954	1.0918 1.4833	1.1724	1.2074	Ave		1.1983			0.4000	13.0		20.0			
Benzo[g,h,i]perylene	1.3377	1.3938	1.1198 1.8000	1.2313	1.2578	Ave		1.3567			0.5000	17.4		20.0			
2-Fluorophenol (Surr)	1.3884	1.5503 1.4579	1.3692 1.4284	1.4123	1.3900	Ave		1.4281				4.3		20.0			
Phenol-d5 (Surr)	1.6246	1.7740 1.6332	1.6527 1.6396	1.6772	1.6108	Ave		1.6589				3.3		20.0			
Nitrobenzene-d5 (Surr)	0.3351 0.3464	0.3447 0.3682	0.3296 0.3512	0.3496	0.3369	Ave		0.3452				3.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.7006 1.4712	1.6388 1.5068	1.4464 1.4809	1.5393	1.4764	Ave		1.5326				5.9		20.0			
2,4,6-Tribromophenol (Surr)	 0.1469	0.1089 0.1604	0.1350 0.1562	0.1507	0.1456	Ave		0.1434				12.0		20.0			
Terphenyl-d14 (Surr)	1.1543 1.0684	1.2504 1.1547	1.1077 1.1675	1.1706	1.1477	Ave		1.1526				4.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-636864/9	A163576.D
Level 2	STD02 460-636864/8	A163575.D
Level 3	STD1 460-636864/7	A163574.D
Level 4	STD2 460-636864/6	A163573.D
Level 5	STD4 460-636864/5	A163572.D
Level 6	ICIS 460-636864/2	A163569.D
Level 7	STD16 460-636864/4	A163571.D
Level 8	STD24 460-636864/3	A163570.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	550839	936212	59080 1290608	137837	241872	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	842679	1406536	87363 2003444	199740	377055	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCBd 4	Ave	2396193	4140059	237760 6027445	579396	1069086	20.0	32.0	2.00 48.0	4.00	8.00
Phenol	DCBd 4	Ave	1732145	2849224	184033 4298648	418095	766496	10.0	16.0	1.00 24.0	2.00	4.00
Aniline	DCBd 4	Ave	2105003	3508363	219584 5124211	498640	939964	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	15359 1308950	29384 2175556	141668 3100313	318389	587100	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	1468281	2434197	157230 3451823	360158	671068	10.0	16.0	1.00 24.0	2.00	4.00
n-Decane	DCBd 4	Ave	1309128	2257967	140465 3051557	327750	597411	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCBd 4	Ave	1533571	2602691	164823 3629651	374876	696768	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	1549677	2600429	169967 3636269	379499	697114	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCBd 4	Ave	857413	1405589	94286 2134665	204300	375552	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	1461091	2445525	163046 3420074	359937	670246	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	1234021	1992739	136752 2839756	306761	562120	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	1614125	2586904	182605 3570457	403357	735087	10.0	16.0	1.00 24.0	2.00	4.00
N-Methylaniline	DCBd 4	Ave	22171 1926902	45970 3025956	190167 4461036	461351	858692	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
3 & 4 Methylphenol	DCBd 4	Ave	1294795	2007417	152434 2883855	341098	610091	10.0	16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCBd 4	Ave	1292006	1999264	151613 2876760	338980	609910	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	9564 844034	20719 1337166	98036 1972603	217266	387507	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acetophenone	DCBd 4	Ave	1771263	2737884	214958 3843018	463080	842785	10.0	16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	5407 534968	12783 908983	55549 1238623	129246	247199	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene	DCBd 4	Ave	6548 667235	14462 1051027	71353 1498286	169132	309485	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCBd 4	Ave	25536 2096691	50003 3226258	225923 4609976	494930	921034	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	2334137	53151 3706185	265505 5482445	570222	1050077	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	669615	1115072	60844 1596306	148335	292767	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	1156092	1800550	128889 2493671	291253	528304	10.0	16.0	1.00 24.0	2.00	4.00
Benzoic acid	NPT	Qua	507949	1097915	21146 1736126	74442	199125	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	1457790	2328364	166113 3388332	365203	653017	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	1023450	1646746	110502 2362720	246784	465380	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	12417 1105226	26805 1795369	126678 2496948	278707	507668	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	3927489	6195112	450927 8869109	981791	1803262	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	1606106	2471800	184604 3608933	397689	735088	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	5671 536951	13171 879839	62027 1224124	139628	249819	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Chloro-3-methylphenol	NPT	Ave	1004282	1563639	109052 2272447	242326	457444	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	2530088	59753 3877768	287087 5618120	624834	1156381	10.0	0.200 16.0	1.00 24.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	2319548	51924 3605557	272106 5254716	575327	1058558	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	577136	922856	51157 1323411	123834	242833	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	939041	1450212	113781 2041747	236160	441180	10.0	16.0	1.00 24.0	2.00	4.00
2-tertbutyl-4-methylphenol	NPT	Ave	1592828	2423808	36825 171160 3610513	380025	679607	10.0	16.0	0.200 1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	642687	1024375	11966 77794 1563134	170373	303669	10.0	16.0	0.200 1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	736641	1145261	80246 1599514	165971	315737	10.0	16.0	1.00 24.0	2.00	4.00
1,1'-Biphenyl	ANT	Ave	2854806	4392105	334483 6323404	715599	1277162	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	2163660	3357781	257373 4825201	547495	994274	10.0	16.0	1.00 24.0	2.00	4.00
Phenyl ether	ANT	Ave	1417592	2171971	172532 3227684	344153	618129	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	661353	1048968	70889 1540973	153758	297375	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dimethylnaphthalene	ANT	Ave	1800931	2677760	193206 3912352	426900	774379	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	2215831	3539531	270887 5031190	571580	1010987	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	764926	1191554	93606 1769586	191768	353330	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	509123	816629	8064 54145 1188050	121993	229365	10.0	16.0	0.200 1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	3274579	5143388	377697 7538693	812379	1466372	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	574264	921599	64451 1312664	143020	266054	10.0	16.0	1.00 24.0	2.00	4.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1662188	2403025	195976 3419220	385509	676536	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	2135684	3387569	247863 4457465	525579	959274	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Qua	461951	858583	20223 1313748	69422	173987	20.0	32.0	2.00 48.0	4.00	8.00
4-Nitrophenol	ANT	Ave	700103	1172590	72980 1709626	166598	325631	20.0	32.0	2.00 48.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	629734	1043781	8871 67752 1488021	156365	295243	10.0	16.0	0.200 1.00 24.0	2.00	4.00
Dibenzofuran	ANT	Ave	2790023	4330561	336305 6217270	700832	1257427	10.0	16.0	1.00 24.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	466682	750441	51080 1070846	111261	207499	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Diethyl phthalate	ANT	Ave	2093783	3425520	254510 4986681	568189	1132527	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	915199	1375071	115795 1931221	235257	431778	10.0	16.0	1.00 24.0	2.00	4.00
Fluorene	ANT	Ave	2118087	3233803	261363 4561747	540900	976602	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	532103	892031	61453 1294234	133652	253771	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	552055	1021786	37910 1576796	108373	234858	20.0	32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	1527486	2399582	186810 3520222	391475	719982	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	2085854	3317262	259770 4817720	522669	963167	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	518600	812372	63961 1145347	134708	236594	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	6733 521620	14027 846298	67903 1182750	133516	249671	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Pentachlorophenol	PHN	Ave	608321	1035713	60841 1500825	139236	272363	20.0	32.0	2.00 48.0	4.00	8.00
Pentachloronitrobenzene	PHN	Ave	216334	341442	21221 497504	50046	91925	10.0	16.0	1.00 24.0	2.00	4.00
n-Octadecane	PHN	Ave	1239670	2001475	136344 2728679	294090	546783	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	2857962	4548795	364805 6466219	744112	1348953	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	2938273	4667975	360358 6519060	742836	1369062	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	2545554	4135675	327505 5724581	672377	1220225	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	3073419	5140616	353554 7159720	788763	1439010	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	2586983	4296748	327022 5961049	682616	1260379	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Ave	1643471	2628276	193587 3656394	349867	712650	10.0	16.0	1.00 24.0	2.00	4.00
Pyrene	CRY	Ave	2613607	4309842	340524 6085996	692450	1287603	10.0	16.0	1.00 24.0	2.00	4.00
Bisphenol-A	CRY	Ave	910038	1586078	78131 2280053	182993	364595	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	1103136	1887517	124260 2621451	284078	530333	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,3,7,8-TCDD	CRY	Ave	2205					0.100				
Carbamazepine	CRY	Lin2	812899	1509351	62334 2181474	176946	362068	10.0	16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	719290	14205 1287043	83981 1793223	184690	353634	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]anthracene	CRY	Ave	29912 2005145	48501 3313708	260344 4516178	531022	983943	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	1905691	46580 3108721	248592 4106691	511170	941250	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1461047	24838 2487731	156331 3364888	362190	691538	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	2424828	4360632	232590 6183160	580517	1104744	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	21227 1859599	42121 3220918	218866 4710403	466118	829987	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	20890 1854651	44256 3269656	230223 4803678	502567	970135	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	18942 1727396	35145 3143713	195699 4737272	430710	811378	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	QuaF	16616 1963597	32846 3612805	184947 6827533	418464	807145	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	17796 1920836	38532 3359589	194903 6008109	421886	802553	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	2028114	3614776	199896 7290750	443067	836036	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	1398336	35034 2449149	146582 3394292	333431	602424	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	1636208	40091 2743581	176935 3895984	395958	698100	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	14785 1350029	31011 2252168	141729 3182611	317037	572399	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	34892 2482392	67144 3982055	286578 5706319	614678	1078088	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	247938	4463 423836	26756 601939	60166	106309	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Terphenyl-d14 (Surr)	CRY	Ave	23226 1644420	46328 2966068	202899 4062158	461332	830926	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 11:06 Calibration End Date: 09/04/2019 13:37 Calibration ID: 76432

Curve Type Legend:

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163569.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 04-Sep-2019 11:06:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:25 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 05-Sep-2019 12:26:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.075	2.075	0.000	94	550839	10.0	9.82	
2 N-Nitrosodimethylamine	74	2.257	2.257	0.000	92	842679	10.0	9.94	
3 Pyridine	79	2.293	2.293	0.000	94	2396193	20.0	19.7	
$ 4 2-Fluorophenol	112	3.298	3.298	0.000	97	1398336	10.0	9.72	
$ 6 Phenol-d5	99	4.145	4.145	0.000	0	1636208	10.0	9.79	
7 Phenol	94	4.157	4.157	0.000	98	1732145	10.0	9.84	
8 Aniline	93	4.193	4.193	0.000	97	2105003	10.0	9.90	
9 Bis(2-chloroethyl)ether	93	4.245	4.245	0.000	99	1308950	10.0	9.78	
10 Benzonitrile	103	4.269	4.269	0.000	98	2724208	NC	NC	
11 2-Chlorophenol	128	4.310	4.310	0.000	98	1468281	10.0	9.83	
12 n-Decane	43	4.351	4.351	0.000	90	1309128	10.0	9.74	
13 1,3-Dichlorobenzene	146	4.457	4.457	0.000	96	1533571	10.0	9.79	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	805703	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.522	4.522	0.000	95	1549677	10.0	9.80	
16 Benzyl alcohol	108	4.628	4.628	0.000	95	857413	10.0	9.83	
17 1,2-Dichlorobenzene	146	4.669	4.669	0.000	96	1461091	10.0	9.74	
18 2-Methylphenol	108	4.728	4.728	0.000	92	1234021	10.0	9.83	
19 2,2'-oxybis[1-chloropropan	45	4.757	4.757	0.000	94	1614125	10.0	9.86	
20 N-Methylaniline	106	4.875	4.875	0.000	91	1926902	10.0	9.96	
23 3 & 4 Methylphenol	108	4.875	4.875	0.000	83	1294795	10.0	9.68	
24 4-Methylphenol	108	4.875	4.875	0.000	80	1292006	10.0	9.69	
22 N-Nitrosodi-n-propylamine	70	4.881	4.881	0.000	89	844034	10.0	9.60	
21 Acetophenone	105	4.881	4.881	0.000	89	1771263	10.0	9.66	
25 Hexachloroethane	117	4.987	4.987	0.000	95	534968	10.0	9.90	
$ 27 Nitrobenzene-d5	82	5.022	5.022	0.000	85	1350029	10.0	10.0	
28 Nitrobenzene	123	5.045	5.045	0.000	95	667235	10.0	10.1	
29 n,n'-Dimethylaniline	120	5.045	5.045	0.000	95	2096691	10.0	9.90	
30 Isophorone	82	5.269	5.269	0.000	99	2334137	10.0	9.83	
32 2-Nitrophenol	139	5.345	5.345	0.000	96	669615	10.0	10.2	
33 2,4-Dimethylphenol	122	5.381	5.381	0.000	92	1156092	10.0	9.90	
34 Bis(2-chloroethoxy)methane	93	5.469	5.469	0.000	98	1457790	10.0	9.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.481	5.481	0.000	87	507949	10.0	9.07	
36 2,4-Dichlorophenol	162	5.575	5.575	0.000	97	1023450	10.0	9.88	
37 1,2,4-Trichlorobenzene	180	5.657	5.657	0.000	95	1105226	10.0	9.73	
* 38 Naphthalene-d8	136	5.710	5.710	0.000	98	3117649	8.00	8.00	
39 Naphthalene	128	5.728	5.728	0.000	99	3927489	10.0	9.77	
40 4-Chloroaniline	127	5.775	5.775	0.000	98	1606106	10.0	9.83	
41 Hexachlorobutadiene	225	5.857	5.857	0.000	94	536951	10.0	9.70	
43 4-Chloro-3-methylphenol	107	6.234	6.234	0.000	96	1004282	10.0	9.95	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	86	2530088	10.0	9.87	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	2319548	10.0	9.85	
46 Hexachlorocyclopentadiene	237	6.545	6.545	0.000	96	577136	10.0	10.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.545	6.545	0.000	97	939041	10.0	9.81	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	92	1592828	10.0	10.1	
49 2,4,6-Trichlorophenol	196	6.651	6.651	0.000	90	642687	10.0	9.87	
50 2,4,5-Trichlorophenol	196	6.681	6.681	0.000	97	736641	10.0	10.3	
$ 51 2-Fluorobiphenyl	172	6.734	6.734	0.000	98	2482392	10.0	9.60	
52 1,1'-Biphenyl	154	6.828	6.828	0.000	96	2854806	10.0	9.93	
53 2-Chloronaphthalene	162	6.845	6.845	0.000	97	2163660	10.0	9.82	
54 Phenyl ether	170	6.922	6.922	0.000	87	1417592	10.0	9.93	
55 2-Nitroaniline	65	6.934	6.934	0.000	97	661353	10.0	10.1	
57 1,3-Dimethylnaphthalene	156	7.051	7.051	0.000	93	1800931	10.0	10.3	
59 Dimethyl phthalate	163	7.116	7.116	0.000	99	2215831	10.0	9.68	
60 Coumarin	146	7.133	7.133	0.000	80	764926	10.0	9.63	
61 2,6-Dinitrotoluene	165	7.163	7.163	0.000	96	509123	10.0	9.82	
62 Acenaphthylene	152	7.233	7.233	0.000	98	3274579	10.0	9.87	
63 3-Nitroaniline	138	7.322	7.322	0.000	98	574264	10.0	9.83	
* 64 Acenaphthene-d10	164	7.369	7.369	0.000	94	1349890	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.392	7.392	0.000	98	1662188	10.0	10.4	
66 Acenaphthene	154	7.398	7.398	0.000	95	2135684	10.0	10.0	
67 2,4-Dinitrophenol	184	7.422	7.422	0.000	97	461951	20.0	19.1	
68 4-Nitrophenol	65	7.481	7.481	0.000	90	700103	20.0	19.6	
69 2,4-Dinitrotoluene	165	7.545	7.545	0.000	96	629734	10.0	9.57	
70 Dibenzofuran	168	7.563	7.563	0.000	96	2790023	10.0	9.84	
72 2,3,4,6-Tetrachlorophenol	232	7.681	7.681	0.000	93	466682	10.0	10.0	
73 Diethyl phthalate	149	7.781	7.781	0.000	98	2093783	10.0	9.20	
74 4-Chlorophenyl phenyl ethe	204	7.880	7.880	0.000	88	915199	10.0	9.78	
75 Fluorene	166	7.886	7.886	0.000	95	2118087	10.0	9.81	
76 4-Nitroaniline	138	7.904	7.904	0.000	89	532103	10.0	9.55	
77 4,6-Dinitro-2-methylphenol	198	7.928	7.928	0.000	86	552055	20.0	18.1	
78 N-Nitrosodiphenylamine	169	7.992	7.992	0.000	80	1527486	10.0	9.69	
79 1,2-Diphenylhydrazine	77	8.033	8.033	0.000	98	2085854	10.0	9.71	
$ 80 2,4,6-Tribromophenol	330	8.110	8.110	0.000	93	247938	10.0	10.2	
81 4-Bromophenyl phenyl ether	248	8.345	8.345	0.000	88	518600	10.0	9.78	
82 Hexachlorobenzene	284	8.410	8.410	0.000	99	521620	10.0	9.45	
84 Pentachlorophenol	266	8.592	8.592	0.000	92	608321	20.0	20.0	
85 Pentachloronitrobenzene	237	8.604	8.604	0.000	86	216334	10.0	10.4	
86 n-Octadecane	57	8.669	8.669	0.000	92	1239670	10.0	10.1	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2029019	8.00	8.00	
88 Phenanthrene	178	8.786	8.786	0.000	97	2857962	10.0	9.60	
89 Anthracene	178	8.833	8.833	0.000	99	2938273	10.0	9.77	
90 Carbazole	167	8.980	8.980	0.000	96	2545554	10.0	9.52	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	3073419	10.0	9.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.904	9.904	0.000	98	2586983	10.0	9.45	
93 Benzidine	184	10.027	10.027	0.000	99	1643471	10.0	10.2	
94 Pyrene	202	10.116	10.116	0.000	97	2613607	10.0	9.69	
95 Bisphenol-A	213	10.163	10.163	0.000	98	910038	10.0	10.9	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	99	1644420	10.0	9.27	
97 Butyl benzyl phthalate	149	10.769	10.769	0.000	96	1103136	10.0	9.92	
98 2,3,7,8-TCDD	320	10.869	10.869	0.000	89	2205	0.1000	0.1000	
99 Carbamazepine	193	10.880	10.880	0.000	94	812899	10.0	9.38	
100 3,3'-Dichlorobenzidine	252	11.351	11.351	0.000	99	719290	10.0	9.97	
101 Benzo[a]anthracene	228	11.374	11.374	0.000	99	2005145	10.0	9.64	
* 102 Chrysene-d12	240	11.392	11.392	0.000	99	1231352	8.00	8.00	
104 Chrysene	228	11.421	11.421	0.000	99	1905691	10.0	9.80	
103 Bis(2-ethylhexyl) phthalat	149	11.427	11.427	0.000	87	1461047	10.0	10.6	
105 Di-n-octyl phthalate	149	12.263	12.263	0.000	96	2424828	10.0	10.2	
106 Benzo[b]fluoranthene	252	12.751	12.751	0.000	99	1859599	10.0	10.1	
107 Benzo[k]fluoranthene	252	12.792	12.792	0.000	99	1854651	10.0	9.58	
108 Benzo[a]pyrene	252	13.204	13.204	0.000	97	1727396	10.0	10.0	
* 109 Perylene-d12	264	13.286	13.286	0.000	97	1212890	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.857	14.857	0.000	99	1963597	10.0	10.2	
111 Dibenz(a,h)anthracene	278	14.892	14.892	0.000	96	1920836	10.0	10.6	
112 Benzo[g,h,i]perylene	276	15.298	15.298	0.000	97	2028114	10.0	9.86	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL6_00055 Amount Added: 1.00 Units: mL

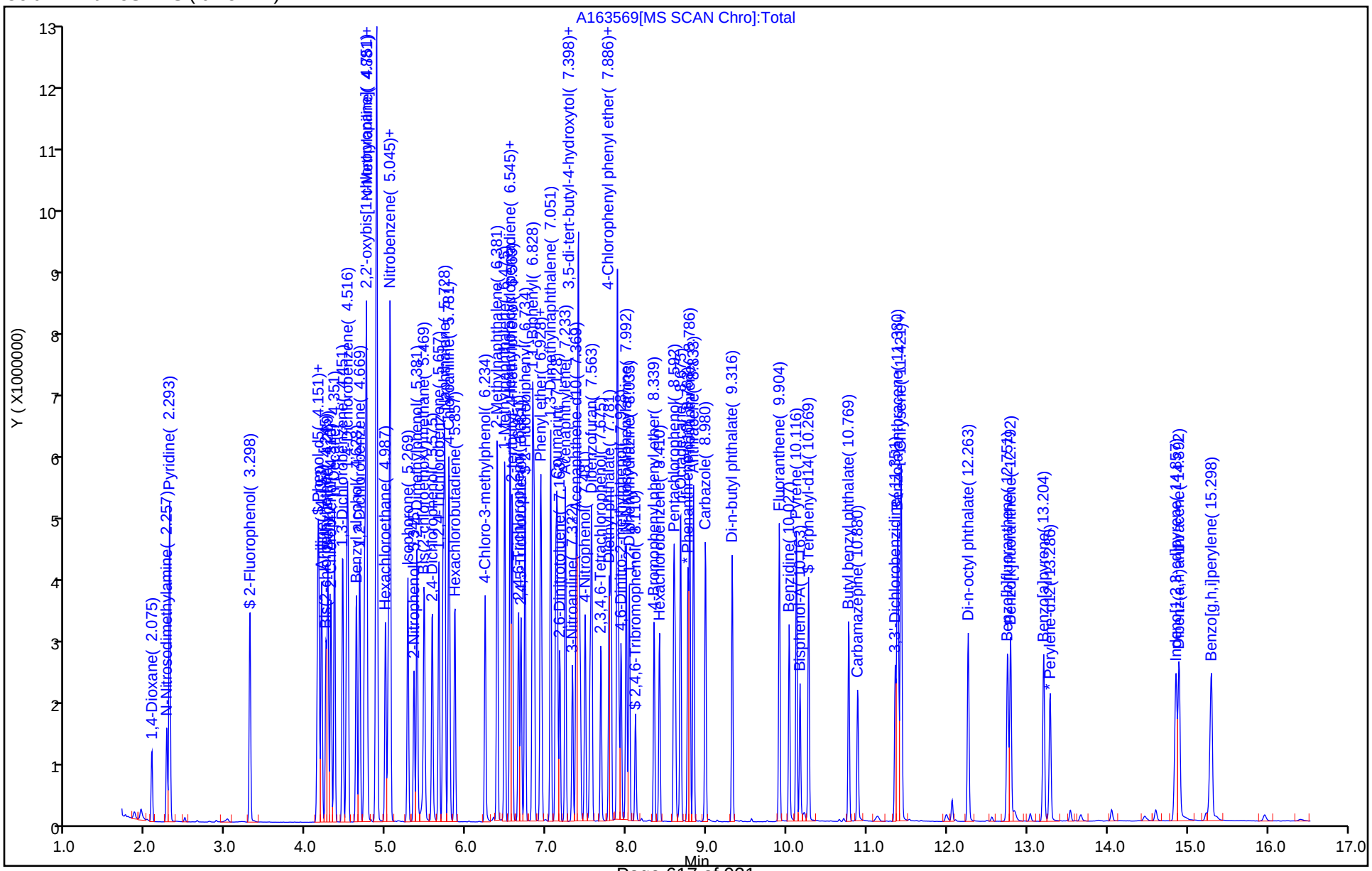
Report Date: 05-Sep-2019 12:29:26 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163569.D

Injection Date:	04-Sep-2019 11:06:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	icis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163570.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Sep-2019 11:29:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-003
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:33 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 11:52:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.058	2.075	-0.017	94	1290608	24.0	23.4	
2 N-Nitrosodimethylamine	74	2.257	2.257	0.000	92	2003444	24.0	24.0	
3 Pyridine	79	2.287	2.293	-0.006	94	6027445	48.0	50.3	
$ 4 2-Fluorophenol	112	3.299	3.298	0.001	97	3394292	24.0	24.0	
$ 6 Phenol-d5	99	4.151	4.145	0.006	0	3895984	24.0	23.7	
7 Phenol	94	4.169	4.157	0.012	98	4298648	24.0	24.8	
8 Aniline	93	4.199	4.193	0.007	98	5124211	24.0	24.5	
9 Bis(2-chloroethyl)ether	93	4.251	4.245	0.006	98	3100313	24.0	23.6	
10 Benzonitrile	103	4.281	4.269	0.012	98	6343589	NC	NC	
11 2-Chlorophenol	128	4.310	4.310	0.000	99	3451823	24.0	23.5	
12 n-Decane	43	4.351	4.351	0.000	90	3051557	24.0	23.1	
13 1,3-Dichlorobenzene	146	4.457	4.457	0.000	96	3629651	24.0	23.6	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	792084	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.522	4.522	0.000	95	3636269	24.0	23.4	
16 Benzyl alcohol	108	4.634	4.628	0.006	95	2134665	24.0	24.9	
17 1,2-Dichlorobenzene	146	4.669	4.669	0.000	97	3420074	24.0	23.2	
18 2-Methylphenol	108	4.734	4.728	0.006	92	2839756	24.0	23.0	
19 2,2'-oxybis[1-chloropropan	45	4.757	4.757	0.000	95	3570457	24.0	22.2	
20 N-Methylaniline	106	4.875	4.875	0.000	90	4461036	24.0	23.5	
23 3 & 4 Methylphenol	108	4.887	4.875	0.012	79	2883855	24.0	21.9	
24 4-Methylphenol	108	4.887	4.875	0.012	75	2876760	24.0	21.9	
22 N-Nitrosodi-n-propylamine	70	4.893	4.881	0.012	85	1972603	24.0	22.8	
21 Acetophenone	105	4.887	4.881	0.006	91	3843018	24.0	21.3	
25 Hexachloroethane	117	4.987	4.987	0.000	96	1238623	24.0	23.3	
$ 27 Nitrobenzene-d5	82	5.034	5.022	0.012	87	3182611	24.0	24.4	
28 Nitrobenzene	123	5.051	5.045	0.006	95	1498286	24.0	23.0	
29 n,n'-Dimethylaniline	120	5.051	5.045	0.006	94	4609976	24.0	22.1	
30 Isophorone	82	5.281	5.269	0.012	99	5482445	24.0	23.8	
32 2-Nitrophenol	139	5.346	5.345	0.001	95	1596306	24.0	25.2	
33 2,4-Dimethylphenol	122	5.387	5.381	0.006	93	2493671	24.0	22.0	
34 Bis(2-chloroethoxy)methane	93	5.475	5.469	0.006	97	3388332	24.0	23.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.528	5.481	0.047	87	1736126	24.0	23.8	
36 2,4-Dichlorophenol	162	5.575	5.575	0.000	97	2362720	24.0	23.5	
37 1,2,4-Trichlorobenzene	180	5.657	5.657	0.000	94	2496948	24.0	22.7	
* 38 Naphthalene-d8	136	5.710	5.710	0.000	98	3020812	8.00	8.00	
39 Naphthalene	128	5.734	5.728	0.006	99	8869109	24.0	22.8	
40 4-Chloroaniline	127	5.781	5.775	0.006	98	3608933	24.0	22.8	
41 Hexachlorobutadiene	225	5.857	5.857	0.000	94	1224124	24.0	22.8	
43 4-Chloro-3-methylphenol	107	6.240	6.234	0.006	96	2272447	24.0	23.2	
44 2-Methylnaphthalene	142	6.387	6.381	0.006	86	5618120	24.0	22.6	
45 1-Methylnaphthalene	142	6.481	6.475	0.006	93	5254716	24.0	23.0	
46 Hexachlorocyclopentadiene	237	6.545	6.545	0.000	97	1323411	24.0	25.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.551	6.545	0.006	97	2041747	24.0	22.4	
48 2-tertbutyl-4-methylphenol	149	6.575	6.569	0.006	92	3610513	24.0	23.7	
49 2,4,6-Trichlorophenol	196	6.651	6.651	0.000	90	1563134	24.0	25.2	
50 2,4,5-Trichlorophenol	196	6.687	6.681	0.006	97	1599514	24.0	23.6	
$ 51 2-Fluorobiphenyl	172	6.734	6.734	0.000	98	5706319	24.0	23.2	
52 1,1'-Biphenyl	154	6.828	6.828	0.000	95	6323404	24.0	23.1	
53 2-Chloronaphthalene	162	6.845	6.845	0.000	98	4825201	24.0	23.0	
54 Phenyl ether	170	6.928	6.922	0.006	87	3227684	24.0	23.8	
55 2-Nitroaniline	65	6.940	6.934	0.006	97	1540973	24.0	24.6	
57 1,3-Dimethylnaphthalene	156	7.051	7.051	0.000	93	3912352	24.0	23.6	
59 Dimethyl phthalate	163	7.122	7.116	0.006	99	5031190	24.0	23.1	
60 Coumarin	146	7.140	7.133	0.007	81	1769586	24.0	23.0	
61 2,6-Dinitrotoluene	165	7.175	7.163	0.012	94	1188050	24.0	24.0	
62 Acenaphthylene	152	7.240	7.233	0.007	98	7538693	24.0	23.9	
63 3-Nitroaniline	138	7.328	7.322	0.006	98	1312664	24.0	23.6	
* 64 Acenaphthene-d10	164	7.369	7.369	0.000	93	1284390	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.398	7.392	0.006	98	3419220	24.0	22.6	
66 Acenaphthene	154	7.404	7.398	0.006	95	4457465	24.0	22.0	
67 2,4-Dinitrophenol	184	7.428	7.422	0.006	96	1313748	48.0	47.8	
68 4-Nitrophenol	65	7.492	7.481	0.011	90	1709626	48.0	50.4	
69 2,4-Dinitrotoluene	165	7.551	7.545	0.006	96	1488021	24.0	23.6	
70 Dibenzofuran	168	7.569	7.563	0.006	97	6217270	24.0	23.1	
72 2,3,4,6-Tetrachlorophenol	232	7.681	7.681	0.001	92	1070846	24.0	24.1	
73 Diethyl phthalate	149	7.787	7.781	0.007	98	4986681	24.0	23.0	
74 4-Chlorophenyl phenyl ethe	204	7.887	7.880	0.007	87	1931221	24.0	21.7	
75 Fluorene	166	7.887	7.886	0.001	95	4561747	24.0	22.2	
76 4-Nitroaniline	138	7.922	7.904	0.018	88	1294234	24.0	24.4	
77 4,6-Dinitro-2-methylphenol	198	7.945	7.928	0.017	87	1576796	48.0	52.8	
78 N-Nitrosodiphenylamine	169	7.998	7.992	0.006	81	3520222	24.0	23.8	
79 1,2-Diphenylhydrazine	77	8.039	8.033	0.006	98	4817720	24.0	23.9	
$ 80 2,4,6-Tribromophenol	330	8.116	8.110	0.006	93	601939	24.0	26.1	
81 4-Bromophenyl phenyl ether	248	8.345	8.345	0.000	87	1145347	24.0	23.0	
82 Hexachlorobenzene	284	8.410	8.410	0.000	99	1182750	24.0	22.8	
84 Pentachlorophenol	266	8.592	8.592	0.000	93	1500825	48.0	52.6	
85 Pentachloronitrobenzene	237	8.610	8.604	0.006	87	497504	24.0	25.4	
86 n-Octadecane	57	8.675	8.669	0.006	90	2728679	24.0	23.8	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	99	1905128	8.00	8.00	
88 Phenanthrene	178	8.792	8.786	0.006	97	6466219	24.0	23.1	
89 Anthracene	178	8.839	8.833	0.006	99	6519060	24.0	23.1	
90 Carbazole	167	8.986	8.980	0.006	96	5724581	24.0	22.8	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	7159720	24.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.910	9.904	0.006	98	5961049	24.0	23.2	
93 Benzidine	184	10.033	10.027	0.006	99	3656394	24.0	24.2	
94 Pyrene	202	10.122	10.116	0.006	98	6085996	24.0	23.9	
95 Bisphenol-A	213	10.169	10.163	0.006	98	2280053	24.0	29.0	
$ 96 Terphenyl-d14	244	10.275	10.269	0.006	98	4062158	24.0	24.3	
97 Butyl benzyl phthalate	149	10.775	10.769	0.006	96	2621451	24.0	25.0	
99 Carbamazepine	193	10.892	10.880	0.012	94	2181474	24.0	25.9	
100 3,3'-Dichlorobenzidine	252	11.357	11.351	0.006	99	1793223	24.0	26.4	
101 Benzo[a]anthracene	228	11.380	11.374	0.006	99	4516178	24.0	23.0	
* 102 Chrysene-d12	240	11.392	11.392	0.000	99	1159833	8.00	8.00	
104 Chrysene	228	11.427	11.421	0.006	99	4106691	24.0	22.4	
103 Bis(2-ethylhexyl) phthalat	149	11.433	11.427	0.006	87	3364888	24.0	25.9	
105 Di-n-octyl phthalate	149	12.263	12.263	0.000	96	6183160	24.0	23.4	
106 Benzo[b]fluoranthene	252	12.763	12.751	0.012	99	4710403	24.0	22.9	
107 Benzo[k]fluoranthene	252	12.804	12.792	0.012	99	4803678	24.0	22.3	
108 Benzo[a]pyrene	252	13.216	13.204	0.012	97	4737272	24.0	24.8	
* 109 Perylene-d12	264	13.286	13.286	0.000	98	1350143	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.880	14.857	0.023	99	6827533	24.0	24.1	
111 Dibenz(a,h)anthracene	278	14.921	14.892	0.029	96	6008109	24.0	29.7	
112 Benzo[g,h,i]perylene	276	15.333	15.298	0.035	97	7290750	24.0	31.8	
S 119 Total Cresols	1				0			44.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL8_00020 Amount Added: 1.00 Units: mL

Report Date: 05-Sep-2019 12:29:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163570.D

Injection Date: 04-Sep-2019 11:29:30 Instrument ID: CBNAMS16 Operator ID:

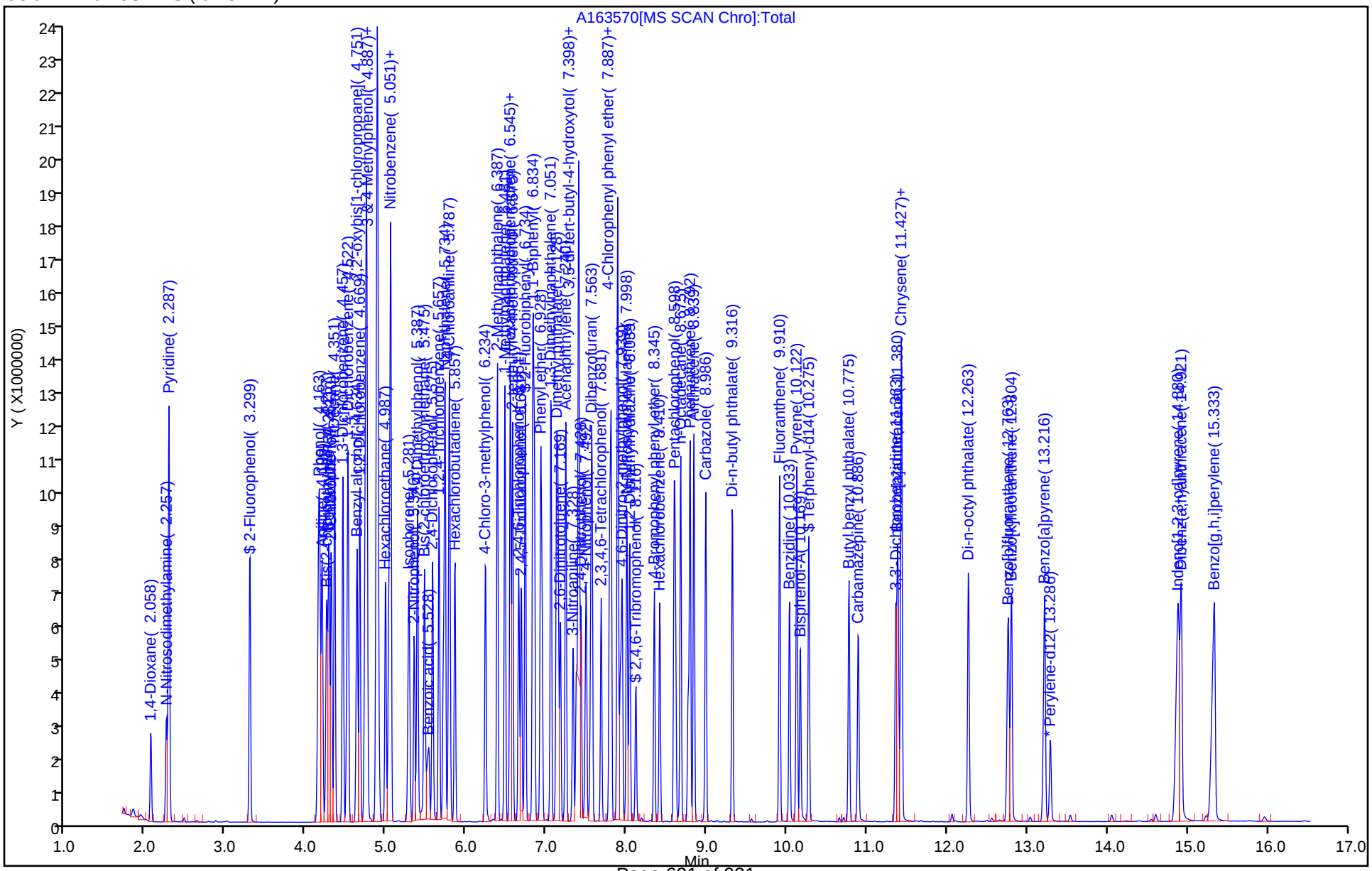
Lims ID: STD24 Worklist Smp#: 3

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163571.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Sep-2019 11:50:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-004
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:41 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 12:11:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.075	2.075	0.000	93	936212	16.0	16.0	
2 N-Nitrosodimethylamine	74	2.263	2.257	0.006	92	1406536	16.0	15.9	
3 Pyridine	79	2.293	2.293	0.000	94	4140059	32.0	32.6	
$ 4 2-Fluorophenol	112	3.299	3.298	0.001	97	2449149	16.0	16.3	
$ 6 Phenol-d5	99	4.146	4.145	0.001	0	2743581	16.0	15.8	
7 Phenol	94	4.163	4.157	0.006	98	2849224	16.0	15.5	
8 Aniline	93	4.193	4.193	0.001	99	3508363	16.0	15.8	
9 Bis(2-chloroethyl)ether	93	4.252	4.245	0.007	98	2175556	16.0	15.6	
10 Benzonitrile	103	4.275	4.269	0.006	98	4324383	NC	NC	
11 2-Chlorophenol	128	4.310	4.310	0.000	98	2434197	16.0	15.6	
12 n-Decane	43	4.352	4.351	0.001	90	2257967	16.0	16.1	
13 1,3-Dichlorobenzene	146	4.457	4.457	0.000	96	2602691	16.0	15.9	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	94	839948	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.522	4.522	0.000	96	2600429	16.0	15.8	
16 Benzyl alcohol	108	4.628	4.628	0.000	95	1405589	16.0	15.4	
17 1,2-Dichlorobenzene	146	4.669	4.669	0.000	96	2445525	16.0	15.6	
18 2-Methylphenol	108	4.734	4.728	0.006	92	1992739	16.0	15.2	
19 2,2'-oxybis[1-chloropropan	45	4.757	4.757	0.000	95	2586904	16.0	15.2	
20 N-Methylaniline	106	4.875	4.875	0.000	94	3025956	16.0	15.0	
23 3 & 4 Methylphenol	108	4.881	4.875	0.006	82	2007417	16.0	14.4	
24 4-Methylphenol	108	4.881	4.875	0.006	80	1999264	16.0	14.4	
22 N-Nitrosodi-n-propylamine	70	4.887	4.881	0.006	88	1337166	16.0	14.6	
21 Acetophenone	105	4.887	4.881	0.006	91	2737884	16.0	14.3	
25 Hexachloroethane	117	4.987	4.987	0.000	95	908983	16.0	16.1	
$ 27 Nitrobenzene-d5	82	5.028	5.022	0.006	86	2252168	16.0	17.1	
28 Nitrobenzene	123	5.046	5.045	0.001	95	1051027	16.0	15.2	
29 n,n'-Dimethylaniline	120	5.052	5.045	0.007	94	3226258	16.0	14.6	
30 Isophorone	82	5.275	5.269	0.006	99	3706185	16.0	15.9	
32 2-Nitrophenol	139	5.346	5.345	0.001	96	1115072	16.0	17.4	
33 2,4-Dimethylphenol	122	5.381	5.381	0.000	93	1800550	16.0	15.7	
34 Bis(2-chloroethoxy)methane	93	5.469	5.469	0.000	98	2328364	16.0	15.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.499	5.481	0.018	88	1097915	16.0	16.8	
36 2,4-Dichlorophenol	162	5.575	5.575	0.000	97	1646746	16.0	16.2	
37 1,2,4-Trichlorobenzene	180	5.657	5.657	0.000	94	1795369	16.0	16.1	
* 38 Naphthalene-d8	136	5.710	5.710	0.000	98	3058757	8.00	8.00	
39 Naphthalene	128	5.728	5.728	0.000	99	6195112	16.0	15.7	
40 4-Chloroaniline	127	5.775	5.775	0.000	98	2471800	16.0	15.4	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	94	879839	16.0	16.2	
43 4-Chloro-3-methylphenol	107	6.234	6.234	0.000	95	1563639	16.0	15.8	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	86	3877768	16.0	15.4	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	3605557	16.0	15.6	
46 Hexachlorocyclopentadiene	237	6.540	6.545	-0.005	96	922856	16.0	17.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.546	6.545	0.001	97	1450212	16.0	15.5	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	92	2423808	16.0	15.7	
49 2,4,6-Trichlorophenol	196	6.651	6.651	0.000	90	1024375	16.0	16.1	
50 2,4,5-Trichlorophenol	196	6.681	6.681	0.000	97	1145261	16.0	16.4	
$ 51 2-Fluorobiphenyl	172	6.734	6.734	0.000	98	3982055	16.0	15.7	
52 1,1'-Biphenyl	154	6.828	6.828	0.000	95	4392105	16.0	15.6	
53 2-Chloronaphthalene	162	6.846	6.845	0.001	99	3357781	16.0	15.6	
54 Phenyl ether	170	6.922	6.922	0.000	87	2171971	16.0	15.5	
55 2-Nitroaniline	65	6.940	6.934	0.006	97	1048968	16.0	16.3	
57 1,3-Dimethylnaphthalene	156	7.051	7.051	0.000	93	2677760	16.0	15.7	
59 Dimethyl phthalate	163	7.116	7.116	0.000	99	3539531	16.0	15.8	
60 Coumarin	146	7.134	7.133	0.001	79	1191554	16.0	15.3	
61 2,6-Dinitrotoluene	165	7.169	7.163	0.006	95	816629	16.0	16.0	
62 Acenaphthylene	152	7.234	7.233	0.001	98	5143388	16.0	15.8	
63 3-Nitroaniline	138	7.328	7.322	0.006	98	921599	16.0	16.1	
* 64 Acenaphthene-d10	164	7.369	7.369	0.000	94	1321349	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.393	7.392	0.001	97	2403025	16.0	15.4	
66 Acenaphthene	154	7.398	7.398	0.000	94	3387569	16.0	16.2	
67 2,4-Dinitrophenol	184	7.422	7.422	0.000	95	858583	32.0	32.9	
68 4-Nitrophenol	65	7.487	7.481	0.006	90	1172590	32.0	33.6	
69 2,4-Dinitrotoluene	165	7.545	7.545	0.000	96	1043781	16.0	16.1	
70 Dibenzofuran	168	7.563	7.563	0.000	96	4330561	16.0	15.6	
72 2,3,4,6-Tetrachlorophenol	232	7.681	7.681	0.001	93	750441	16.0	16.4	
73 Diethyl phthalate	149	7.781	7.781	0.001	98	3425520	16.0	15.4	
74 4-Chlorophenyl phenyl ethe	204	7.881	7.880	0.001	87	1375071	16.0	15.0	
75 Fluorene	166	7.887	7.886	0.001	95	3233803	16.0	15.3	
76 4-Nitroaniline	138	7.910	7.904	0.006	88	892031	16.0	16.4	
77 4,6-Dinitro-2-methylphenol	198	7.934	7.928	0.006	89	1021786	32.0	33.5	
78 N-Nitrosodiphenylamine	169	7.992	7.992	0.000	81	2399582	16.0	15.7	
79 1,2-Diphenylhydrazine	77	8.034	8.033	0.001	98	3317262	16.0	15.9	
$ 80 2,4,6-Tribromophenol	330	8.110	8.110	0.000	94	423836	16.0	17.9	
81 4-Bromophenyl phenyl ether	248	8.340	8.345	-0.005	88	812372	16.0	15.8	
82 Hexachlorobenzene	284	8.410	8.410	0.000	99	846298	16.0	15.8	
84 Pentachlorophenol	266	8.592	8.592	0.000	93	1035713	32.0	35.1	
85 Pentachloronitrobenzene	237	8.604	8.604	0.000	86	341442	16.0	16.9	
86 n-Octadecane	57	8.669	8.669	0.000	91	2001475	16.0	16.8	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	99	1969991	8.00	8.00	
88 Phenanthrene	178	8.787	8.786	0.001	97	4548795	16.0	15.7	
89 Anthracene	178	8.834	8.833	0.001	99	4667975	16.0	16.0	
90 Carbazole	167	8.981	8.980	0.001	95	4135675	16.0	15.9	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	5140616	16.0	16.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.904	9.904	0.000	98	4296748	16.0	16.2	
93 Benzidine	184	10.028	10.027	0.001	99	2628276	16.0	16.8	
94 Pyrene	202	10.116	10.116	0.000	98	4309842	16.0	15.3	
95 Bisphenol-A	213	10.163	10.163	0.000	98	1586078	16.0	18.2	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	98	2966068	16.0	16.0	
97 Butyl benzyl phthalate	149	10.769	10.769	0.000	95	1887517	16.0	16.3	
99 Carbamazepine	193	10.886	10.880	0.006	94	1509351	16.0	16.4	
100 3,3'-Dichlorobenzidine	252	11.351	11.351	0.000	99	1287043	16.0	17.1	
101 Benzo[a]anthracene	228	11.375	11.374	0.001	99	3313708	16.0	15.3	
* 102 Chrysene-d12	240	11.392	11.392	0.000	99	1284391	8.00	8.00	
104 Chrysene	228	11.422	11.421	0.001	99	3108721	16.0	15.3	
103 Bis(2-ethylhexyl) phthalat	149	11.428	11.427	0.001	87	2487731	16.0	17.3	
105 Di-n-octyl phthalate	149	12.263	12.263	0.000	96	4360632	16.0	17.2	
106 Benzo[b]fluoranthene	252	12.757	12.751	0.006	99	3220918	16.0	16.3	
107 Benzo[k]fluoranthene	252	12.792	12.792	0.000	99	3269656	16.0	15.8	
108 Benzo[a]pyrene	252	13.204	13.204	0.000	97	3143713	16.0	17.1	
* 109 Perylene-d12	264	13.280	13.286	-0.006	97	1296702	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.857	14.857	0.000	99	3612805	16.0	15.6	
111 Dibenz(a,h)anthracene	278	14.898	14.892	0.006	97	3359589	16.0	17.3	
112 Benzo[g,h,i]perylene	276	15.304	15.298	0.006	97	3614776	16.0	16.4	
S 119 Total Cresols	1				0			29.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL7_00020 Amount Added: 1.00 Units: mL

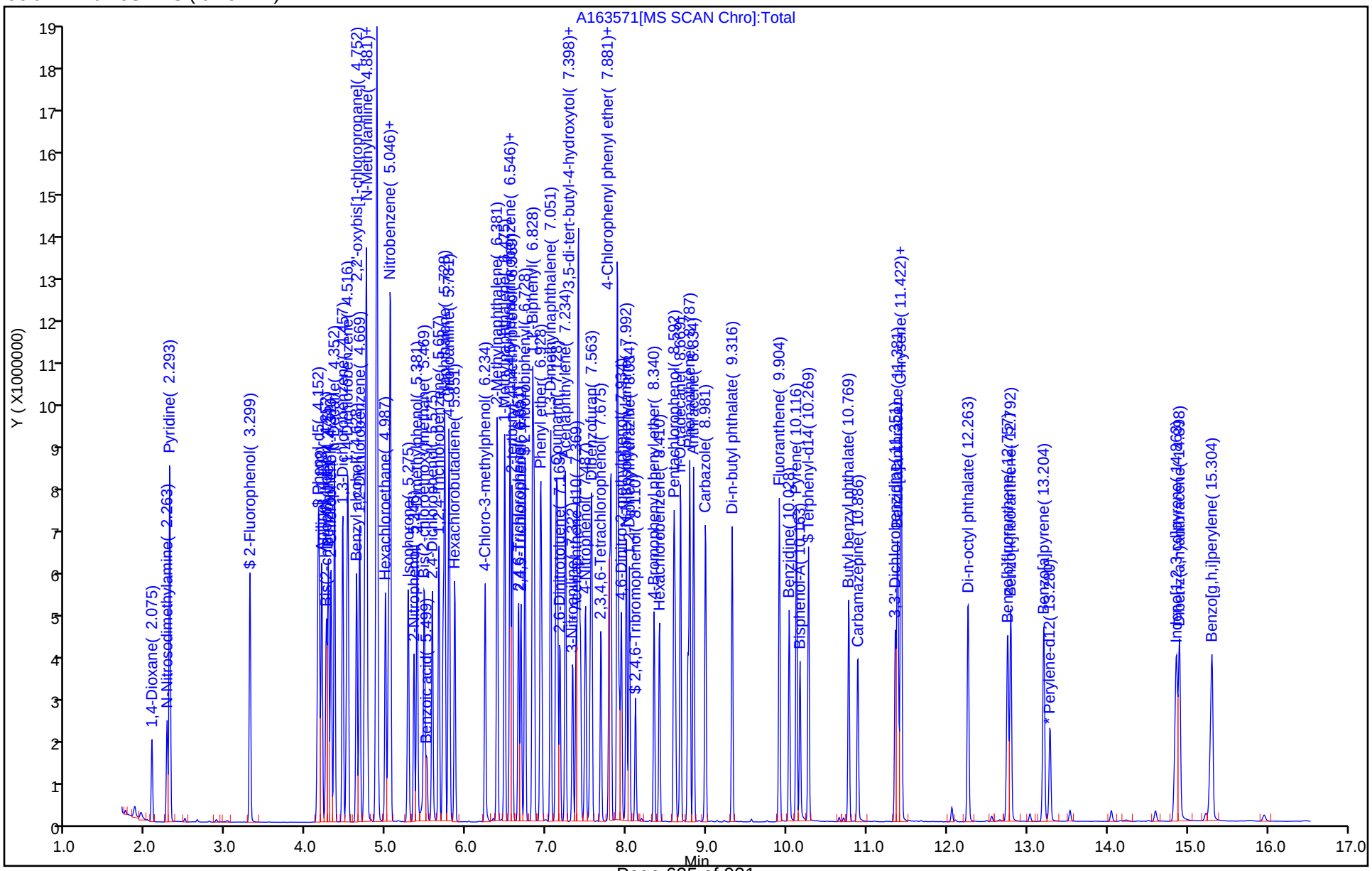
Report Date: 05-Sep-2019 12:29:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163571.D

Injection Date:	04-Sep-2019 11:50:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD16			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163572.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Sep-2019 12:12:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-005
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:48 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 12:35:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.075	2.075	0.000	95	241872	4.00	4.01	
2 N-Nitrosodimethylamine	74	2.258	2.257	0.001	92	377055	4.00	4.14	
3 Pyridine	79	2.299	2.293	0.006	94	1069086	8.00	8.15	
$ 4 2-Fluorophenol	112	3.293	3.298	-0.005	97	602424	4.00	3.89	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	698100	4.00	3.88	
7 Phenol	94	4.146	4.157	-0.011	98	766496	4.00	4.05	
8 Aniline	93	4.187	4.193	-0.005	98	939964	4.00	4.11	
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	98	587100	4.00	4.08	
10 Benzonitrile	103	4.263	4.269	-0.006	97	1174114	NC	NC	
11 2-Chlorophenol	128	4.304	4.310	-0.006	98	671068	4.00	4.17	
12 n-Decane	43	4.352	4.351	0.001	90	597411	4.00	4.13	
13 1,3-Dichlorobenzene	146	4.452	4.457	-0.005	96	696768	4.00	4.13	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	866790	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.516	4.522	-0.006	95	697114	4.00	4.10	
16 Benzyl alcohol	108	4.622	4.628	-0.006	95	375552	4.00	4.00	
17 1,2-Dichlorobenzene	146	4.663	4.669	-0.006	96	670246	4.00	4.15	
18 2-Methylphenol	108	4.722	4.728	-0.006	91	562120	4.00	4.16	
19 2,2'-oxybis[1-chloropropan	45	4.751	4.757	-0.006	94	735087	4.00	4.17	
20 N-Methylaniline	106	4.869	4.875	-0.006	81	858692	4.00	4.13	
23 3 & 4 Methylphenol	108	4.869	4.875	-0.006	84	610091	4.00	4.24	
24 4-Methylphenol	108	4.869	4.875	-0.006	82	609910	4.00	4.25	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	67	387507	4.00	4.10	
21 Acetophenone	105	4.875	4.881	-0.006	89	842785	4.00	4.27	
25 Hexachloroethane	117	4.987	4.987	0.000	95	247199	4.00	4.25	
$ 27 Nitrobenzene-d5	82	5.022	5.022	0.000	85	572399	4.00	3.90	
28 Nitrobenzene	123	5.040	5.045	-0.005	96	309485	4.00	4.35	
29 n,n'-Dimethylaniline	120	5.046	5.045	0.001	93	921034	4.00	4.04	
30 Isophorone	82	5.263	5.269	-0.006	99	1050077	4.00	4.06	
32 2-Nitrophenol	139	5.340	5.345	-0.005	96	292767	4.00	4.10	
33 2,4-Dimethylphenol	122	5.375	5.381	-0.006	93	528304	4.00	4.15	
34 Bis(2-chloroethoxy)methane	93	5.469	5.469	0.000	98	653017	4.00	4.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.446	5.481	-0.035	88	199125	4.00	4.09	
36 2,4-Dichlorophenol	162	5.569	5.575	-0.006	97	465380	4.00	4.12	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	95	507668	4.00	4.10	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3398347	8.00	8.00	
39 Naphthalene	128	5.728	5.728	0.000	99	1803262	4.00	4.11	
40 4-Chloroaniline	127	5.769	5.775	-0.006	98	735088	4.00	4.13	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	94	249819	4.00	4.14	
43 4-Chloro-3-methylphenol	107	6.228	6.234	-0.006	96	457444	4.00	4.16	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	86	1156381	4.00	4.14	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	1058558	4.00	4.12	
46 Hexachlorocyclopentadiene	237	6.540	6.545	-0.005	97	242833	4.00	4.12	
47 1,2,4,5-Tetrachlorobenzene	216	6.545	6.545	0.000	96	441180	4.00	4.26	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	91	679607	4.00	3.96	
49 2,4,6-Trichlorophenol	196	6.645	6.651	-0.006	89	303669	4.00	4.31	
50 2,4,5-Trichlorophenol	196	6.675	6.681	-0.006	98	315737	4.00	4.09	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	98	1078088	4.00	3.85	
52 1,1'-Biphenyl	154	6.822	6.828	-0.006	95	1277162	4.00	4.11	
53 2-Chloronaphthalene	162	6.840	6.845	-0.005	98	994274	4.00	4.17	
54 Phenyl ether	170	6.922	6.922	0.000	86	618129	4.00	4.00	
55 2-Nitroaniline	65	6.934	6.934	0.000	98	297375	4.00	4.18	
57 1,3-Dimethylnaphthalene	156	7.045	7.051	-0.006	93	774379	4.00	4.10	
59 Dimethyl phthalate	163	7.110	7.116	-0.006	99	1010987	4.00	4.08	
60 Coumarin	146	7.128	7.133	-0.005	79	353330	4.00	4.08	
61 2,6-Dinitrotoluene	165	7.157	7.163	-0.006	97	229365	4.00	4.13	
62 Acenaphthylene	152	7.228	7.233	-0.005	98	1466372	4.00	4.09	
63 3-Nitroaniline	138	7.316	7.322	-0.006	97	266054	4.00	4.21	
* 64 Acenaphthene-d10	164	7.369	7.369	0.000	95	1460437	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.387	7.392	-0.005	97	676536	4.00	3.93	
66 Acenaphthene	154	7.398	7.398	0.000	94	959274	4.00	4.16	
67 2,4-Dinitrophenol	184	7.416	7.422	-0.006	94	173987	8.00	8.01	
68 4-Nitrophenol	65	7.475	7.481	-0.006	91	325631	8.00	8.45	
69 2,4-Dinitrotoluene	165	7.540	7.545	-0.005	96	295243	4.00	4.20	
70 Dibenzofuran	168	7.557	7.563	-0.006	96	1257427	4.00	4.10	
72 2,3,4,6-Tetrachlorophenol	232	7.675	7.681	-0.005	91	207499	4.00	4.11	
73 Diethyl phthalate	149	7.775	7.781	-0.005	98	1132527	4.00	4.60	
74 4-Chlorophenyl phenyl ethe	204	7.881	7.880	0.001	80	431778	4.00	4.26	
75 Fluorene	166	7.881	7.886	-0.005	94	976602	4.00	4.18	
76 4-Nitroaniline	138	7.892	7.904	-0.012	89	253771	4.00	4.21	
77 4,6-Dinitro-2-methylphenol	198	7.922	7.928	-0.006	86	234858	8.00	7.63	
78 N-Nitrosodiphenylamine	169	7.987	7.992	-0.005	72	719982	4.00	4.13	
79 1,2-Diphenylhydrazine	77	8.028	8.033	-0.005	98	963167	4.00	4.06	
$ 80 2,4,6-Tribromophenol	330	8.104	8.110	-0.006	93	106309	4.00	4.06	
81 4-Bromophenyl phenyl ether	248	8.339	8.345	-0.006	87	236594	4.00	4.04	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	99	249671	4.00	4.09	
84 Pentachlorophenol	266	8.587	8.592	-0.005	92	272363	8.00	8.11	
85 Pentachloronitrobenzene	237	8.604	8.604	0.000	86	91925	4.00	3.99	
86 n-Octadecane	57	8.669	8.669	0.000	90	546783	4.00	4.04	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2242114	8.00	8.00	
88 Phenanthrene	178	8.781	8.786	-0.005	97	1348953	4.00	4.10	
89 Anthracene	178	8.828	8.833	-0.005	99	1369062	4.00	4.12	
90 Carbazole	167	8.981	8.980	0.001	96	1220225	4.00	4.13	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	1439010	4.00	4.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.904	9.904	0.000	98	1260379	4.00	4.17	
93 Benzidine	184	10.028	10.027	0.001	99	712650	4.00	4.01	
94 Pyrene	202	10.116	10.116	0.000	97	1287603	4.00	4.06	
95 Bisphenol-A	213	10.163	10.163	0.000	98	364595	4.00	3.71	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	98	830926	4.00	3.98	
97 Butyl benzyl phthalate	149	10.769	10.769	0.000	96	530333	4.00	4.05	
99 Carbamazepine	193	10.875	10.880	-0.005	93	362068	4.00	3.83	
100 3,3'-Dichlorobenzidine	252	11.345	11.351	-0.006	99	353634	4.00	4.17	
101 Benzo[a]anthracene	228	11.375	11.374	0.001	99	983943	4.00	4.02	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1448017	8.00	8.00	
104 Chrysene	228	11.416	11.421	-0.005	98	941250	4.00	4.12	
103 Bis(2-ethylhexyl) phthalat	149	11.428	11.427	0.001	87	691538	4.00	4.26	
105 Di-n-octyl phthalate	149	12.257	12.263	-0.006	96	1104744	4.00	4.25	
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	99	829987	4.00	4.09	
107 Benzo[k]fluoranthene	252	12.786	12.792	-0.006	99	970135	4.00	4.57	
108 Benzo[a]pyrene	252	13.198	13.204	-0.006	97	811378	4.00	4.31	
* 109 Perylene-d12	264	13.280	13.286	-0.006	97	1329390	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	98	807145	4.00	4.41	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	96	802553	4.00	4.03	
112 Benzo[g,h,i]perylene	276	15.280	15.298	-0.018	97	836036	4.00	3.71	
S 119 Total Cresols	1				0			8.40	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL5_00028 Amount Added: 1.00 Units: mL

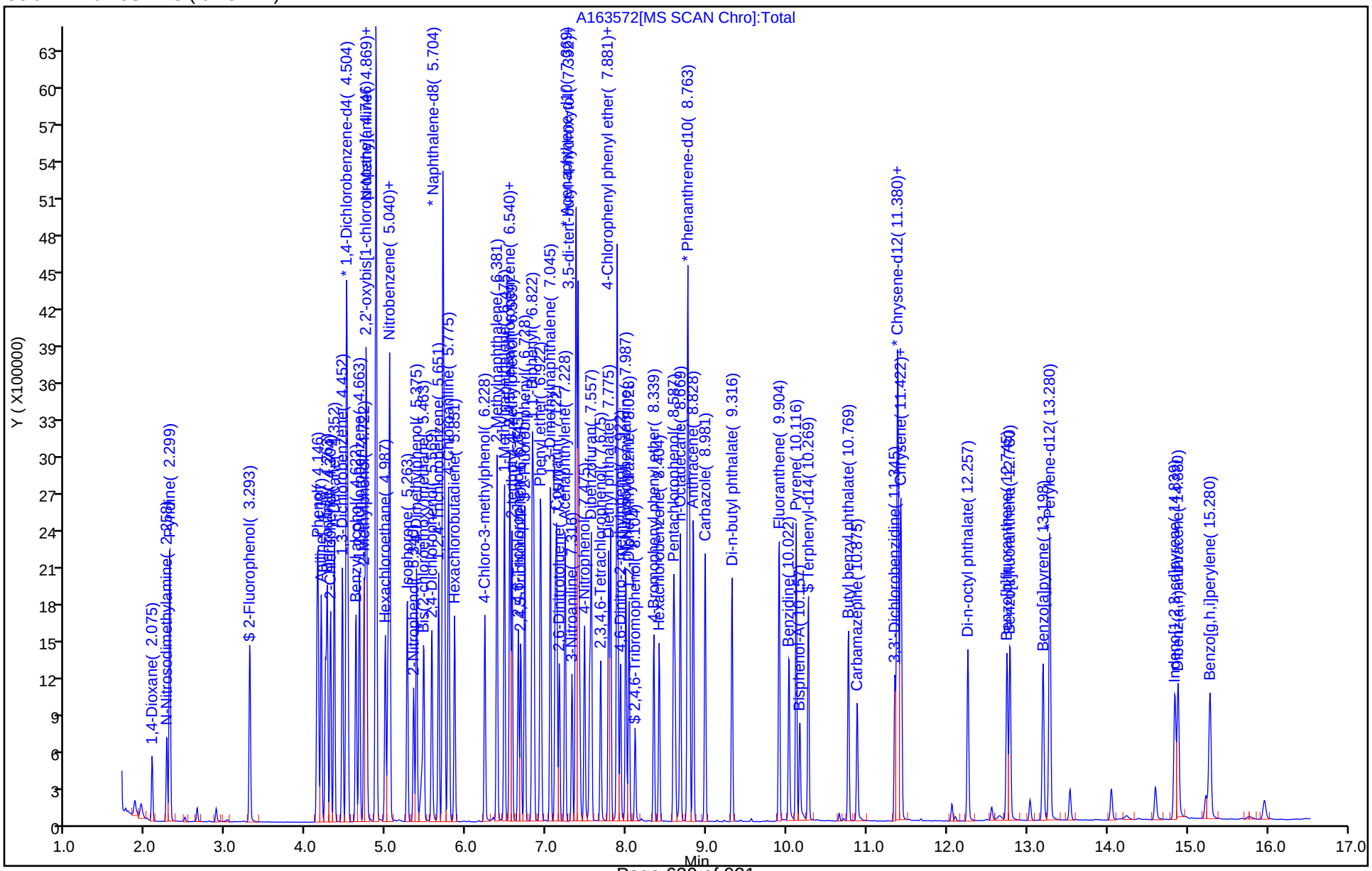
Report Date: 05-Sep-2019 12:29:49 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163572.D

Injection Date:	04-Sep-2019 12:12:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163573.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Sep-2019 12:33:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-006
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:29:55 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 12:58:00

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	2.081	2.075	0.006	94	137837	2.00	2.10	
2 N-Nitrosodimethylamine	74	2.263	2.257	0.006	91	199740	2.00	2.01	
3 Pyridine	79	2.305	2.293	0.012	94	579396	4.00	4.06	
$ 4 2-Fluorophenol	112	3.299	3.298	0.001	97	333431	2.00	1.98	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	395958	2.00	2.02	
7 Phenol	94	4.146	4.157	-0.011	98	418095	2.00	2.03	
8 Aniline	93	4.187	4.193	-0.005	98	498640	2.00	2.00	
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	98	318389	2.00	2.03	
10 Benzonitrile	103	4.257	4.269	-0.012	98	627414	NC	NC	
11 2-Chlorophenol	128	4.304	4.310	-0.006	98	360158	2.00	2.06	
12 n-Decane	43	4.352	4.351	0.001	90	327750	2.00	2.08	
13 1,3-Dichlorobenzene	146	4.452	4.457	-0.005	95	374876	2.00	2.04	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	944332	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.516	4.522	-0.006	94	379499	2.00	2.05	
16 Benzyl alcohol	108	4.622	4.628	-0.006	95	204300	2.00	2.00	
17 1,2-Dichlorobenzene	146	4.663	4.669	-0.006	96	359937	2.00	2.05	
18 2-Methylphenol	108	4.722	4.728	-0.006	91	306761	2.00	2.08	
19 2,2'-oxybis[1-chloropropan	45	4.752	4.757	-0.005	95	403357	2.00	2.10	
20 N-Methylaniline	106	4.869	4.875	-0.006	78	461351	2.00	2.03	
23 3 & 4 Methylphenol	108	4.869	4.875	-0.006	87	341098	2.00	2.18	
24 4-Methylphenol	108	4.869	4.875	-0.006	89	338980	2.00	2.17	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	83	217266	2.00	2.11	
21 Acetophenone	105	4.875	4.881	-0.006	89	463080	2.00	2.16	
25 Hexachloroethane	117	4.987	4.987	0.000	95	129246	2.00	2.04	
$ 27 Nitrobenzene-d5	82	5.016	5.022	-0.006	87	317037	2.00	2.03	
28 Nitrobenzene	123	5.040	5.045	-0.005	96	169132	2.00	2.18	
29 n,n'-Dimethylaniline	120	5.040	5.045	-0.005	92	494930	2.00	1.99	
30 Isophorone	82	5.257	5.269	-0.012	99	570222	2.00	2.06	
32 2-Nitrophenol	139	5.340	5.345	-0.005	95	148335	2.00	1.95	
33 2,4-Dimethylphenol	122	5.375	5.381	-0.006	93	291253	2.00	2.14	
34 Bis(2-chloroethoxy)methane	93	5.463	5.469	-0.006	97	365203	2.00	2.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.428	5.481	-0.053	87	74442	2.00	2.03	
36 2,4-Dichlorophenol	162	5.569	5.575	-0.006	96	246784	2.00	2.05	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	95	278707	2.00	2.11	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3627195	8.00	8.00	
39 Naphthalene	128	5.722	5.728	-0.006	99	981791	2.00	2.10	
40 4-Chloroaniline	127	5.769	5.775	-0.006	97	397689	2.00	2.09	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	94	139628	2.00	2.17	
43 4-Chloro-3-methylphenol	107	6.228	6.234	-0.006	95	242326	2.00	2.06	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	85	624834	2.00	2.10	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	575327	2.00	2.10	
46 Hexachlorocyclopentadiene	237	6.540	6.545	-0.005	96	123834	2.00	1.92	
47 1,2,4,5-Tetrachlorobenzene	216	6.540	6.545	-0.005	96	236160	2.00	2.08	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	91	380025	2.00	2.07	
49 2,4,6-Trichlorophenol	196	6.646	6.651	-0.005	90	170373	2.00	2.21	
50 2,4,5-Trichlorophenol	196	6.675	6.681	-0.006	97	165971	2.00	1.97	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	98	614678	2.00	2.01	
52 1,1'-Biphenyl	154	6.822	6.828	-0.006	95	715599	2.00	2.10	
53 2-Chloronaphthalene	162	6.840	6.845	-0.005	97	547495	2.00	2.10	
54 Phenyl ether	170	6.922	6.922	0.000	87	344153	2.00	2.04	
55 2-Nitroaniline	65	6.928	6.934	-0.006	98	153758	2.00	1.98	
57 1,3-Dimethylnaphthalene	156	7.045	7.051	-0.006	93	426900	2.00	2.07	
59 Dimethyl phthalate	163	7.104	7.116	-0.012	99	571580	2.00	2.11	
60 Coumarin	146	7.122	7.133	-0.011	79	191768	2.00	2.07	
61 2,6-Dinitrotoluene	165	7.157	7.163	-0.006	96	121993	2.00	2.05	
62 Acenaphthylene	152	7.228	7.233	-0.005	98	812379	2.00	2.07	
63 3-Nitroaniline	138	7.316	7.322	-0.006	98	143020	2.00	2.07	
* 64 Acenaphthene-d10	164	7.363	7.369	-0.006	95	1597281	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.387	7.392	-0.005	98	385509	2.00	2.05	
66 Acenaphthene	154	7.393	7.398	-0.005	95	525579	2.00	2.08	
67 2,4-Dinitrophenol	184	7.410	7.422	-0.012	93	69422	4.00	3.97	
68 4-Nitrophenol	65	7.469	7.481	-0.012	91	166598	4.00	3.95	
69 2,4-Dinitrotoluene	165	7.534	7.545	-0.011	96	156365	2.00	2.08	
70 Dibenzofuran	168	7.557	7.563	-0.006	96	700832	2.00	2.09	
72 2,3,4,6-Tetrachlorophenol	232	7.675	7.681	-0.005	91	111261	2.00	2.02	
73 Diethyl phthalate	149	7.769	7.781	-0.011	99	568189	2.00	2.11	
74 4-Chlorophenyl phenyl ethe	204	7.881	7.880	0.001	75	235257	2.00	2.12	
75 Fluorene	166	7.881	7.886	-0.005	94	540900	2.00	2.12	
76 4-Nitroaniline	138	7.887	7.904	-0.017	92	133652	2.00	2.03	
77 4,6-Dinitro-2-methylphenol	198	7.922	7.928	-0.006	86	108373	4.00	3.87	
78 N-Nitrosodiphenylamine	169	7.987	7.992	-0.005	80	391475	2.00	2.07	
79 1,2-Diphenylhydrazine	77	8.028	8.033	-0.005	98	522669	2.00	2.03	
$ 80 2,4,6-Tribromophenol	330	8.104	8.110	-0.006	93	60166	2.00	2.10	
81 4-Bromophenyl phenyl ether	248	8.340	8.345	-0.005	88	134708	2.00	2.12	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	99	133516	2.00	2.02	
84 Pentachlorophenol	266	8.587	8.592	-0.005	92	139236	4.00	3.82	
85 Pentachloronitrobenzene	237	8.598	8.604	-0.006	87	50046	2.00	2.00	
86 n-Octadecane	57	8.669	8.669	0.000	90	294090	2.00	2.00	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2433895	8.00	8.00	
88 Phenanthrene	178	8.781	8.786	-0.005	97	744112	2.00	2.08	
89 Anthracene	178	8.828	8.833	-0.005	99	742836	2.00	2.06	
90 Carbazole	167	8.975	8.980	-0.005	96	672377	2.00	2.10	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	788763	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.898	9.904	-0.006	98	682616	2.00	2.08	
93 Benzidine	184	10.022	10.027	-0.005	99	349867	2.00	1.81	
94 Pyrene	202	10.116	10.116	0.000	97	692450	2.00	2.00	
95 Bisphenol-A	213	10.157	10.163	-0.006	98	182993	2.00	1.71	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	98	461332	2.00	2.03	
97 Butyl benzyl phthalate	149	10.763	10.769	-0.006	95	284078	2.00	1.99	
99 Carbamazepine	193	10.875	10.880	-0.005	93	176946	2.00	1.96	
100 3,3'-Dichlorobenzidine	252	11.345	11.351	-0.006	99	184690	2.00	2.00	
101 Benzo[a]anthracene	228	11.369	11.374	-0.005	99	531022	2.00	1.99	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1576421	8.00	8.00	
104 Chrysene	228	11.416	11.421	-0.005	98	511170	2.00	2.05	
103 Bis(2-ethylhexyl) phthalat	149	11.428	11.427	0.001	87	362190	2.00	2.05	
105 Di-n-octyl phthalate	149	12.257	12.263	-0.006	96	580517	2.00	2.06	
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	99	466118	2.00	2.12	
107 Benzo[k]fluoranthene	252	12.780	12.792	-0.012	99	502567	2.00	2.19	
108 Benzo[a]pyrene	252	13.192	13.204	-0.012	97	430710	2.00	2.11	
* 109 Perylene-d12	264	13.280	13.286	-0.006	97	1439363	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	98	418464	2.00	2.24	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	96	421886	2.00	1.96	
112 Benzo[g,h,i]perylene	276	15.274	15.298	-0.024	97	443067	2.00	1.82	
S 119 Total Cresols	1				0			4.26	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL4_00041 Amount Added: 1.00 Units: mL

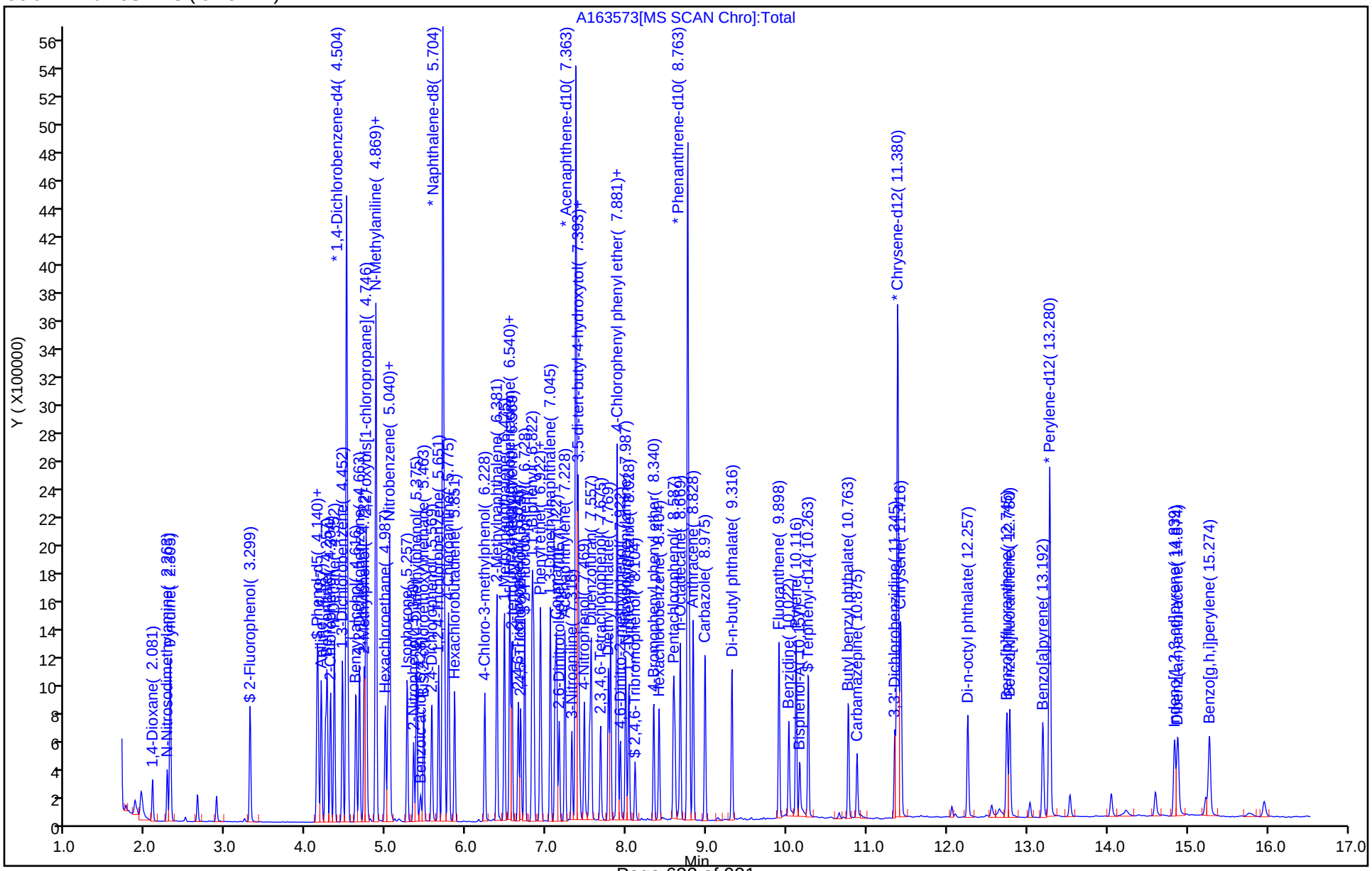
Report Date: 05-Sep-2019 12:29:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163573.D

Injection Date:	04-Sep-2019 12:33:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163574.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Sep-2019 12:54:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-007
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:03 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 13:20:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.063	2.075	-0.012	94	59080	1.00	0.99	
2 N-Nitrosodimethylamine	74	2.251	2.257	-0.006	90	87363	1.00	0.9697	
3 Pyridine	79	2.287	2.293	-0.006	93	237760	2.00	1.84	
$ 4 2-Fluorophenol	112	3.293	3.298	-0.005	97	146582	1.00	0.9588	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	176935	1.00	1.00	
7 Phenol	94	4.145	4.157	-0.012	99	184033	1.00	0.9838	
8 Aniline	93	4.187	4.193	-0.005	99	219584	1.00	0.9715	
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	98	141668	1.00	1.00	
10 Benzonitrile	103	4.257	4.269	-0.012	98	287810	NC	NC	
11 2-Chlorophenol	128	4.304	4.310	-0.006	97	157230	1.00	0.9899	
12 n-Decane	43	4.351	4.351	0.000	89	140465	1.00	0.9832	
13 1,3-Dichlorobenzene	146	4.451	4.457	-0.006	94	164823	1.00	0.9896	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	95	856462	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.516	4.522	-0.006	93	169967	1.00	1.01	
16 Benzyl alcohol	108	4.616	4.628	-0.012	94	94286	1.00	1.02	
17 1,2-Dichlorobenzene	146	4.663	4.669	-0.006	96	163046	1.00	1.02	
18 2-Methylphenol	108	4.722	4.728	-0.006	90	136752	1.00	1.02	
19 2,2'-oxybis[1-chloropropan	45	4.751	4.757	-0.006	95	182605	1.00	1.05	
20 N-Methylaniline	106	4.863	4.875	-0.012	79	190167	1.00	0.9248	
23 3 & 4 Methylphenol	108	4.869	4.875	-0.006	88	152434	1.00	1.07	
24 4-Methylphenol	108	4.869	4.875	-0.006	84	151613	1.00	1.07	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	67	98036	1.00	1.05	
21 Acetophenone	105	4.875	4.881	-0.006	90	214958	1.00	1.10	
25 Hexachloroethane	117	4.987	4.987	0.000	94	55549	1.00	0.9675	
$ 27 Nitrobenzene-d5	82	5.016	5.022	-0.006	87	141729	1.00	0.9549	
28 Nitrobenzene	123	5.040	5.045	-0.005	95	71353	1.00	1.01	
29 n,n'-Dimethylaniline	120	5.040	5.045	-0.005	92	225923	1.00	1.00	
30 Isophorone	82	5.257	5.269	-0.012	99	265505	1.00	1.01	
32 2-Nitrophenol	139	5.339	5.345	-0.006	95	60844	1.00	0.8426	
33 2,4-Dimethylphenol	122	5.375	5.381	-0.006	92	128889	1.00	1.00	
34 Bis(2-chloroethoxy)methane	93	5.463	5.469	-0.006	98	166113	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.416	5.481	-0.065	87	21146	1.00	1.21	a
36 2,4-Dichlorophenol	162	5.569	5.575	-0.006	96	110502	1.00	0.9665	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	94	126678	1.00	1.01	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3439619	8.00	8.00	
39 Naphthalene	128	5.722	5.728	-0.006	99	450927	1.00	1.02	
40 4-Chloroaniline	127	5.769	5.775	-0.006	97	184604	1.00	1.02	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	94	62027	1.00	1.02	
43 4-Chloro-3-methylphenol	107	6.228	6.234	-0.006	95	109052	1.00	0.9792	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	86	287087	1.00	1.02	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	93	272106	1.00	1.05	
46 Hexachlorocyclopentadiene	237	6.539	6.545	-0.006	95	51157	1.00	0.8004	
47 1,2,4,5-Tetrachlorobenzene	216	6.539	6.545	-0.006	97	113781	1.00	1.01	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	92	171160	1.00	0.9847	
49 2,4,6-Trichlorophenol	196	6.645	6.651	-0.006	90	77794	1.00	1.02	
50 2,4,5-Trichlorophenol	196	6.675	6.681	-0.006	98	80246	1.00	0.9575	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	98	286578	1.00	0.9438	
52 1,1'-Biphenyl	154	6.822	6.828	-0.006	96	334483	1.00	0.99	
53 2-Chloronaphthalene	162	6.839	6.845	-0.006	97	257373	1.00	0.99	
54 Phenyl ether	170	6.922	6.922	0.000	87	172532	1.00	1.03	
55 2-Nitroaniline	65	6.928	6.934	-0.006	98	70889	1.00	0.9179	
57 1,3-Dimethylnaphthalene	156	7.045	7.051	-0.006	93	193206	1.00	0.9436	
59 Dimethyl phthalate	163	7.104	7.116	-0.012	99	270887	1.00	1.01	
60 Coumarin	146	7.122	7.133	-0.011	80	93606	1.00	1.07	
61 2,6-Dinitrotoluene	165	7.157	7.163	-0.006	96	54145	1.00	0.9563	
62 Acenaphthylene	152	7.228	7.233	-0.005	98	377697	1.00	0.9700	
63 3-Nitroaniline	138	7.316	7.322	-0.006	98	64451	1.00	0.9395	
* 64 Acenaphthene-d10	164	7.363	7.369	-0.006	95	1585026	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.386	7.392	-0.006	97	195976	1.00	1.05	
66 Acenaphthene	154	7.392	7.398	-0.006	95	247863	1.00	0.9896	
67 2,4-Dinitrophenol	184	7.410	7.422	-0.012	94	20223	2.00	2.28	
68 4-Nitrophenol	65	7.469	7.481	-0.012	91	72980	2.00	1.74	
69 2,4-Dinitrotoluene	165	7.533	7.545	-0.012	95	67752	1.00	0.9589	
70 Dibenzofuran	168	7.557	7.563	-0.006	96	336305	1.00	1.01	
72 2,3,4,6-Tetrachlorophenol	232	7.675	7.681	-0.005	92	51080	1.00	0.9324	
73 Diethyl phthalate	149	7.769	7.781	-0.011	98	254510	1.00	0.9528	
74 4-Chlorophenyl phenyl ethe	204	7.881	7.880	0.000	76	115795	1.00	1.05	
75 Fluorene	166	7.881	7.886	-0.006	96	261363	1.00	1.03	
76 4-Nitroaniline	138	7.886	7.904	-0.018	92	61453	1.00	0.9393	
77 4,6-Dinitro-2-methylphenol	198	7.922	7.928	-0.006	84	37910	2.00	2.06	
78 N-Nitrosodiphenylamine	169	7.986	7.992	-0.006	74	186810	1.00	0.99	
79 1,2-Diphenylhydrazine	77	8.028	8.033	-0.005	98	259770	1.00	1.01	
$ 80 2,4,6-Tribromophenol	330	8.104	8.110	-0.006	92	26756	1.00	0.9418	
81 4-Bromophenyl phenyl ether	248	8.339	8.345	-0.006	87	63961	1.00	1.01	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	99	67903	1.00	1.03	
84 Pentachlorophenol	266	8.586	8.592	-0.006	91	60841	2.00	1.67	
85 Pentachloronitrobenzene	237	8.598	8.604	-0.006	86	21221	1.00	0.8504	
86 n-Octadecane	57	8.669	8.669	0.000	90	136344	1.00	0.9310	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2428773	8.00	8.00	
88 Phenanthrene	178	8.780	8.786	-0.006	97	364805	1.00	1.02	
89 Anthracene	178	8.828	8.833	-0.005	99	360358	1.00	1.00	
90 Carbazole	167	8.975	8.980	-0.005	96	327505	1.00	1.02	
91 Di-n-butyl phthalate	149	9.316	9.316	0.000	99	353554	1.00	0.9299	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.898	9.904	-0.006	98	327022	1.00	1.00	
93 Benzidine	184	10.022	10.027	-0.005	100	193587	1.00	1.01	
94 Pyrene	202	10.116	10.116	0.000	97	340524	1.00	1.06	
95 Bisphenol-A	213	10.157	10.163	-0.006	98	78131	1.00	0.7854	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	99	202899	1.00	0.9610	
97 Butyl benzyl phthalate	149	10.769	10.769	0.000	96	124260	1.00	0.9386	
99 Carbamazepine	193	10.874	10.880	-0.006	94	62334	1.00	1.02	
100 3,3'-Dichlorobenzidine	252	11.345	11.351	-0.006	99	83981	1.00	0.9777	
101 Benzo[a]anthracene	228	11.374	11.374	0.000	98	260344	1.00	1.05	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1465347	8.00	8.00	
104 Chrysene	228	11.410	11.421	-0.011	99	248592	1.00	1.07	
103 Bis(2-ethylhexyl) phthalat	149	11.427	11.427	0.000	87	156331	1.00	0.9509	
105 Di-n-octyl phthalate	149	12.257	12.263	-0.006	96	232590	1.00	0.8329	
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	98	218866	1.00	1.00	
107 Benzo[k]fluoranthene	252	12.780	12.792	-0.012	99	230223	1.00	1.01	
108 Benzo[a]pyrene	252	13.192	13.204	-0.012	97	195699	1.00	0.9669	
* 109 Perylene-d12	264	13.280	13.286	-0.006	97	1428118	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	98	184947	1.00	1.03	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	96	194903	1.00	0.9111	
112 Benzo[g,h,i]perylene	276	15.268	15.298	-0.030	97	199896	1.00	0.8253	
S 119 Total Cresols	1				0			2.10	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_BNAL3_00038 Amount Added: 1.00 Units: mL

Report Date: 05-Sep-2019 12:30:08 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163574.D

Injection Date: 04-Sep-2019 12:54:30 Instrument ID: CBNAMS16 Operator ID:

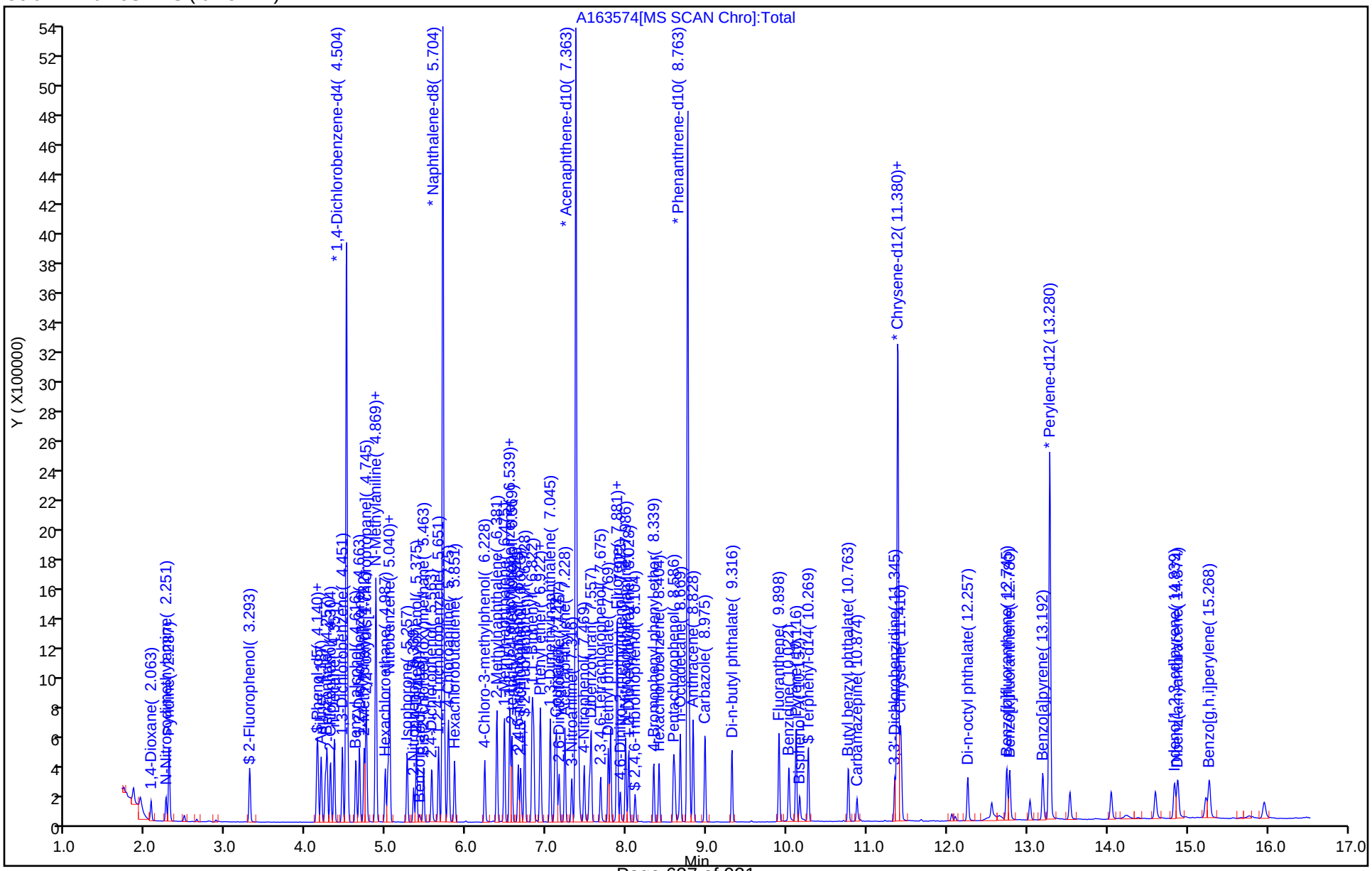
Lims ID: STD1 Worklist Smp#: 7

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

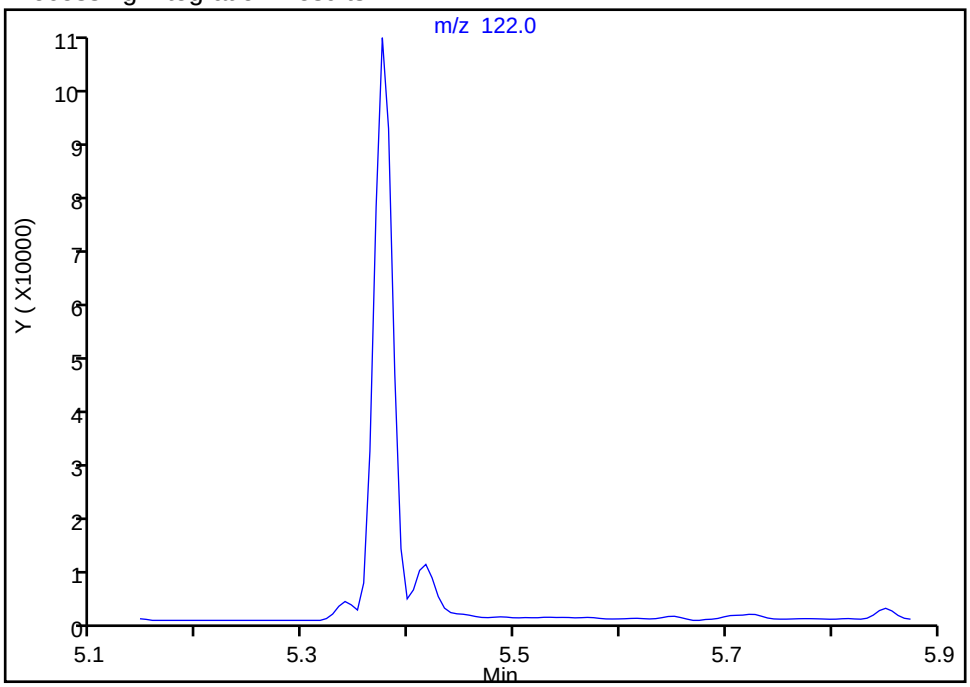
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163574.D
Injection Date: 04-Sep-2019 12:54:30 Instrument ID: CBNAMS16
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

Signal: 1

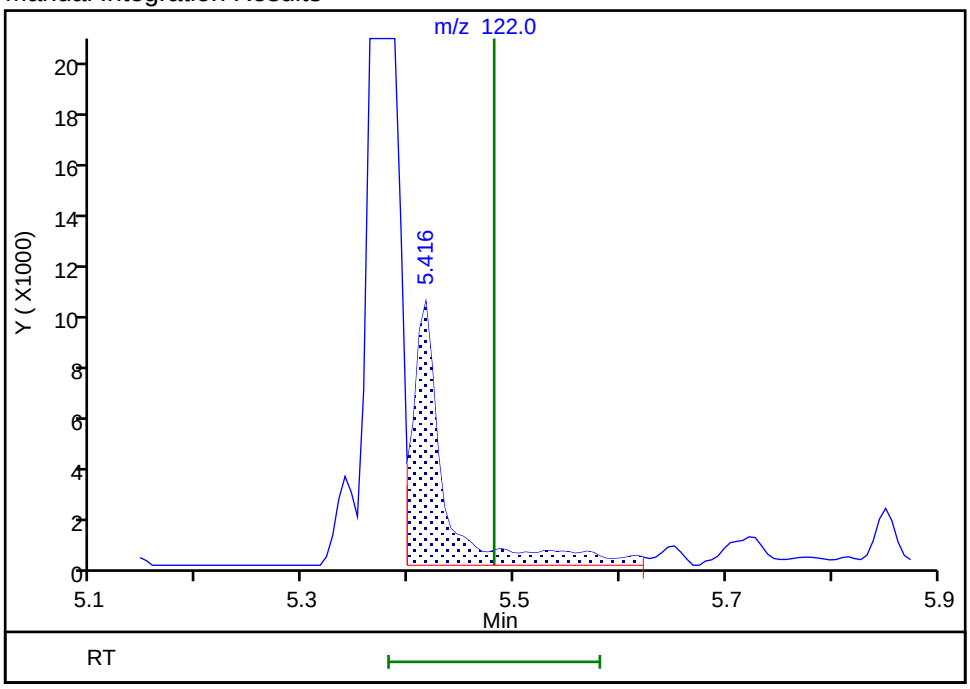
Not Detected
Expected RT: 5.48

Processing Integration Results



Manual Integration Results

RT: 5.42
Area: 21146
Amount: 1.207541
Amount Units: ug/ml



Reviewer: johnstonm1, 04-Sep-2019 13:19:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163575.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Sep-2019 13:16:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-008
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:23 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 14:19:08

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	3.293	3.298	-0.005	97	35034	0.2000	0.2171	
$ 6 Phenol-d5	99	4.134	4.145	-0.011	0	40091	0.2000	0.2139	
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	97	29384	0.2000	0.1957	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.504	0.000	96	903947	8.00	8.00	
20 N-Methylaniline	106	4.863	4.875	-0.012	79	45970	0.2000	0.2118	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	68	20719	0.2000	0.2100	
25 Hexachloroethane	117	4.987	4.987	0.000	91	12783	0.2000	0.2109	
$ 27 Nitrobenzene-d5	82	5.016	5.022	-0.006	87	31011	0.2000	0.1997	
28 Nitrobenzene	123	5.040	5.045	-0.005	95	14462	0.2000	0.1949	
29 n,n'-Dimethylaniline	120	5.040	5.045	-0.005	94	50003	0.2000	0.2104	
30 Isophorone	82	5.257	5.269	-0.012	99	53151	0.2000	0.1940	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	93	26805	0.2000	0.2044	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3598232	8.00	8.00	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	93	13171	0.2000	0.2061	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	84	59753	0.2000	0.2020	
45 1-Methylnaphthalene	142	6.475	6.475	0.000	92	51924	0.2000	0.1910	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	93	36825	0.2000	0.2025	
49 2,4,6-Trichlorophenol	196	6.645	6.651	-0.006	84	11966	0.2000	0.1514	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	98	67144	0.2000	0.2139	
61 2,6-Dinitrotoluene	165	7.157	7.163	-0.006	94	8064	0.2000	0.2010	
* 64 Acenaphthene-d10	164	7.363	7.369	-0.006	95	1638815	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.533	7.545	-0.012	91	8871	0.2000	0.2005	a
$ 80 2,4,6-Tribromophenol	330	8.110	8.110	0.000	90	4463	0.2000	0.1519	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	96	14027	0.2000	0.2121	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2431266	8.00	8.00	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	99	46328	0.2000	0.2170	
100 3,3'-Dichlorobenzidine	252	11.345	11.351	-0.006	97	14205	0.2000	0.1635	
101 Benzo[a]anthracene	228	11.374	11.374	0.000	98	48501	0.2000	0.1937	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1482057	8.00	8.00	
104 Chrysene	228	11.410	11.421	-0.011	98	46580	0.2000	0.1991	
103 Bis(2-ethylhexyl) phthalat	149	11.427	11.427	0.000	85	24838	0.2000	0.1494	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	99	42121	0.2000	0.1968	
107 Benzo[k]fluoranthene	252	12.780	12.792	-0.012	98	44256	0.2000	0.1975	
108 Benzo[a]pyrene	252	13.192	13.204	-0.012	96	35145	0.2000	0.1767	
* 109 Perylene-d12	264	13.280	13.286	-0.006	98	1403773	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	98	32846	0.2000	0.1917	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	93	38532	0.2000	0.1833	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SM_BNAL2_00032 Amount Added: 1.00 Units: mL

Report Date: 05-Sep-2019 12:30:27 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163575.D

Injection Date: 04-Sep-2019 13:16:30 Instrument ID: CBNAMS16 Operator ID:

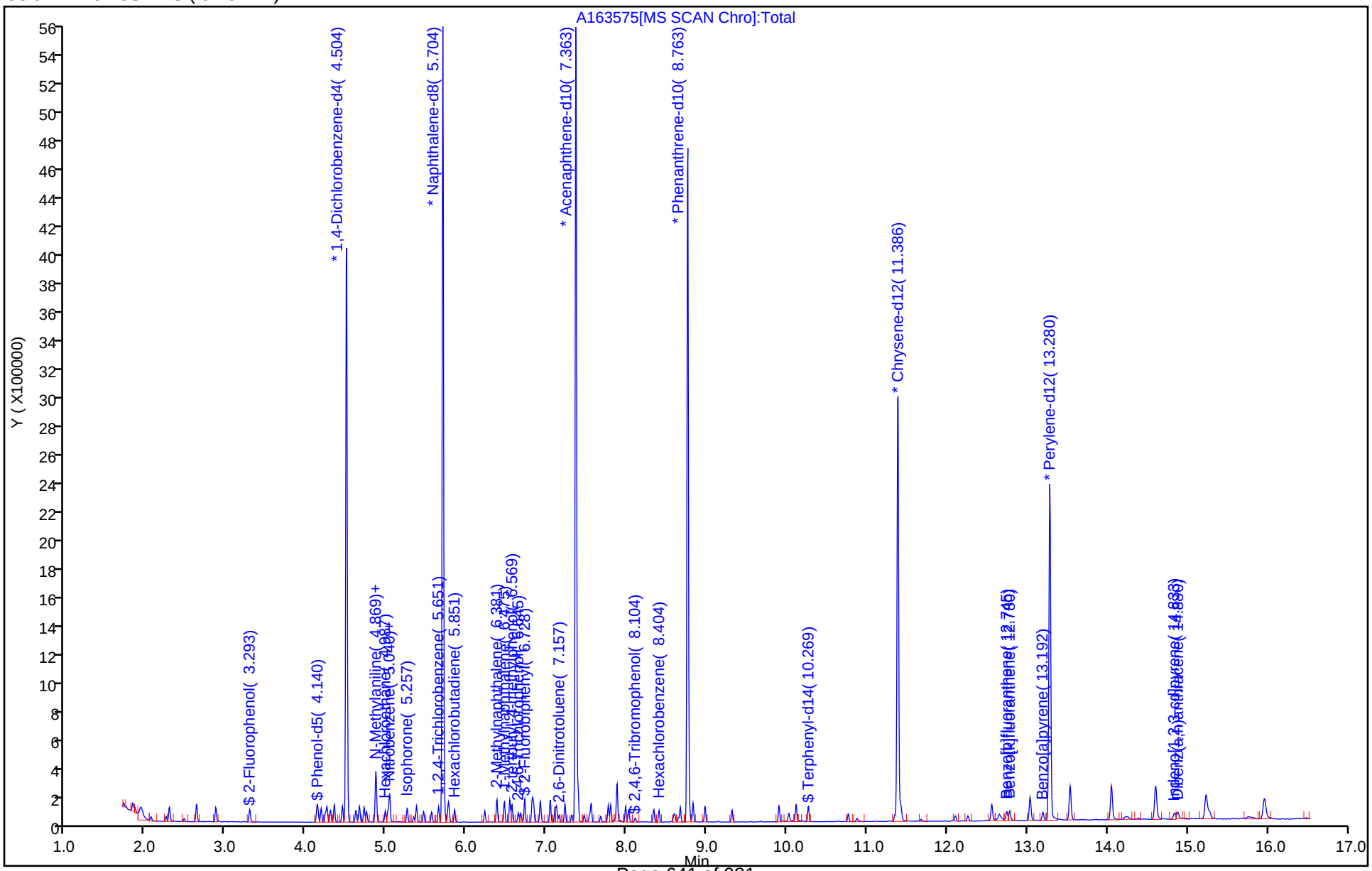
Lims ID: STD02 Worklist Smp#: 8

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

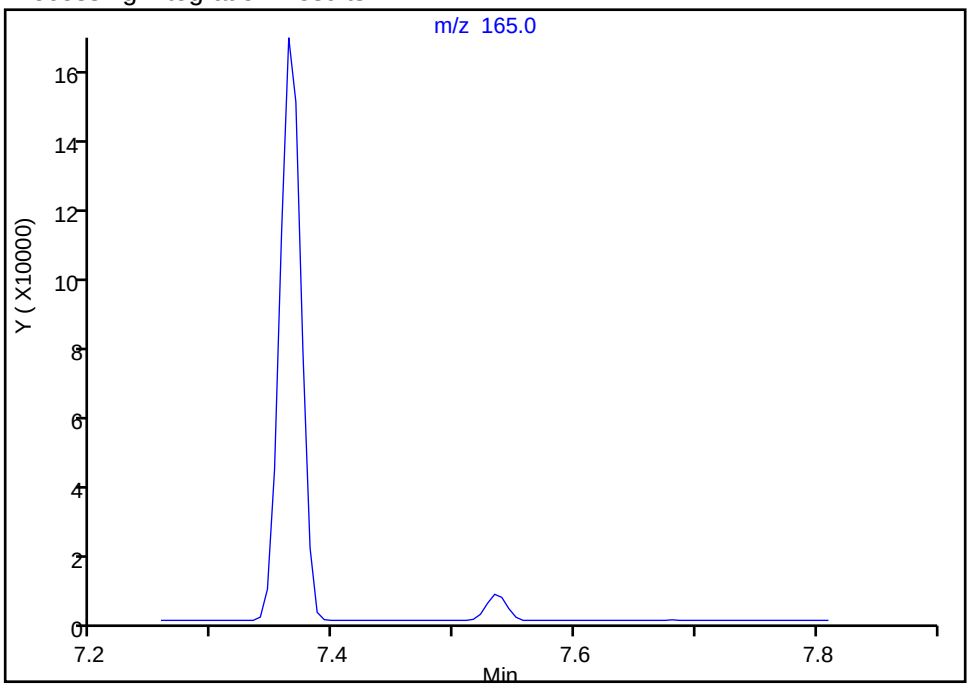
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163575.D				
Injection Date:	04-Sep-2019 13:16:30	Instrument ID:	CBNAMS16		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

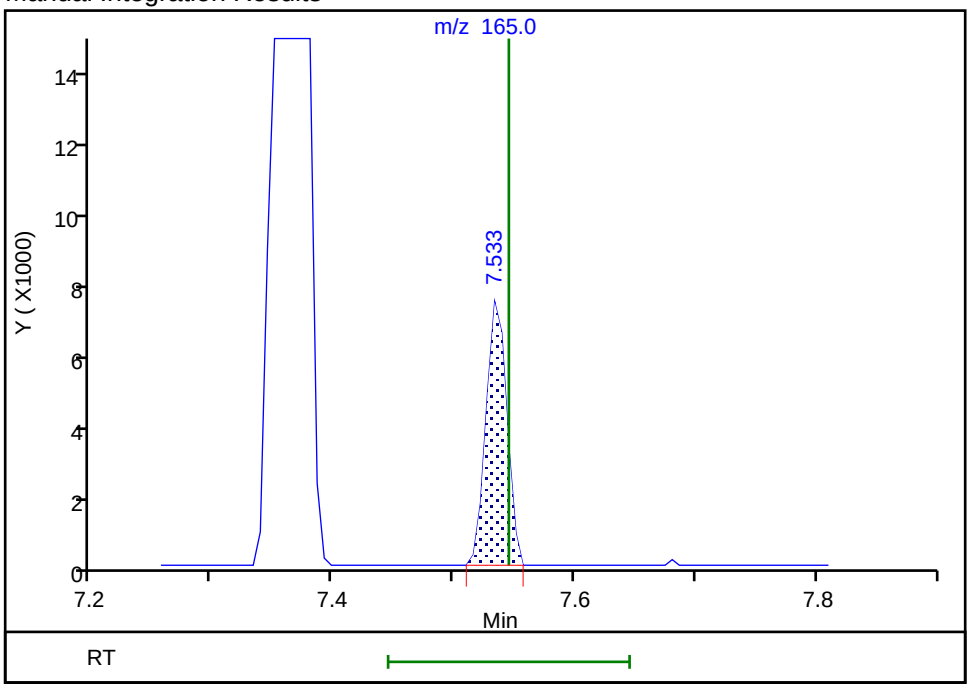
Not Detected
Expected RT: 7.55

Processing Integration Results



Manual Integration Results

RT: 7.53
Area: 8871
Amount: 0.200539
Amount Units: ug/ml



Reviewer: johnstonm1, 04-Sep-2019 14:18:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163576.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Sep-2019 13:37:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-009
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:38 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 14:19:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.240	4.245	-0.005	95	15359	0.1000	0.1057	
* 14 1,4-Dichlorobenzene-d4	152	4.498	4.504	-0.006	96	874354	8.00	8.00	
20 N-Methylaniline	106	4.863	4.875	-0.012	85	22171	0.1000	0.1056	
22 N-Nitrosodi-n-propylamine	70	4.875	4.881	-0.006	88	9564	0.1000	0.1002	
25 Hexachloroethane	117	4.987	4.987	0.000	89	5407	0.1000	0.0922	
$ 27 Nitrobenzene-d5	82	5.016	5.022	-0.006	87	14785	0.1000	0.0971	
28 Nitrobenzene	123	5.040	5.045	-0.005	95	6548	0.1000	0.0912	
29 n,n'-Dimethylaniline	120	5.040	5.045	-0.005	97	25536	0.1000	0.1111	
37 1,2,4-Trichlorobenzene	180	5.651	5.657	-0.006	91	12417	0.1000	0.0965	
* 38 Naphthalene-d8	136	5.704	5.710	-0.006	99	3530030	8.00	8.00	
41 Hexachlorobutadiene	225	5.851	5.857	-0.006	89	5671	0.1000	0.0904	
$ 51 2-Fluorobiphenyl	172	6.728	6.734	-0.006	97	34892	0.1000	0.1110	
* 64 Acenaphthene-d10	164	7.363	7.369	-0.006	95	1641416	8.00	8.00	
82 Hexachlorobenzene	284	8.404	8.410	-0.006	95	6733	0.1000	0.0996	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2485596	8.00	8.00	
$ 96 Terphenyl-d14	244	10.269	10.269	0.000	99	23226	0.1000	0.1001	
101 Benzo[a]anthracene	228	11.374	11.374	0.000	95	29912	0.1000	0.1100	
* 102 Chrysene-d12	240	11.386	11.392	-0.006	99	1609722	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.745	12.751	-0.006	98	21227	0.1000	0.0949	
107 Benzo[k]fluoranthene	252	12.780	12.792	-0.012	97	20890	0.1000	0.0893	
108 Benzo[a]pyrene	252	13.198	13.204	-0.006	95	18942	0.1000	0.0912	
* 109 Perylene-d12	264	13.280	13.286	-0.006	98	1466044	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.857	-0.018	97	16616	0.1000	0.0931	
111 Dibenz(a,h)anthracene	278	14.880	14.892	-0.012	93	17796	0.1000	0.0810	

Reagents:

SM_BNAL1_00030 Amount Added: 1.00 Units: mL

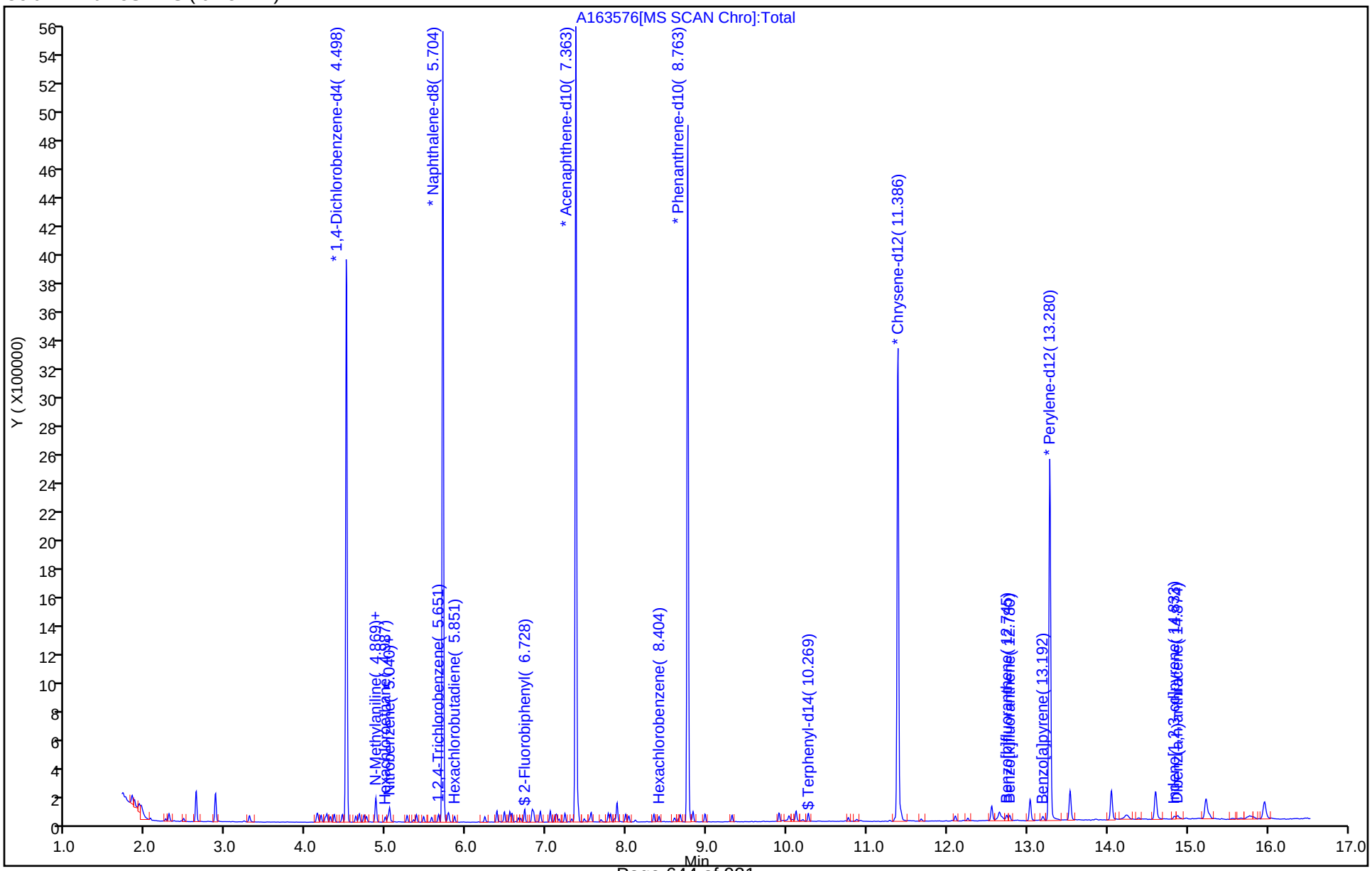
Report Date: 05-Sep-2019 12:30:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163576.D

Injection Date:	04-Sep-2019 13:37:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 13:58 Calibration End Date: 09/04/2019 16:05 Calibration ID: 76436

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 460-636864/16	A163583.D
Level 2	STD1 460-636864/15	A163582.D
Level 3	STD2 460-636864/14	A163581.D
Level 4	STD4 460-636864/13	A163580.D
Level 5	STD10 460-636864/10	A163577.D
Level 6	STD16 460-636864/12	A163579.D
Level 7	STD24 460-636864/11	A163578.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.0999 1.1301	1.1389 1.1247	1.1258	1.2016	1.1759	Ave		1.1424			0.0100	3.0		20.0			
Caprolactam	0.0509 0.0826	0.0627 0.0859	0.0684	0.0762	0.0835	Ave		0.0729			0.0100	17.7		20.0			
Atrazine	0.1488 0.1898	0.1649 0.1906	0.1744	0.1883	0.1974	Ave		0.1792			0.0100	9.7		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 636864

SDG No.:

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

Calibration Start Date: 09/04/2019 13:58 Calibration End Date: 09/04/2019 16:05 Calibration ID: 76436

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 460-636864/16	A163583.D
Level 2	STD1 460-636864/15	A163582.D
Level 3	STD2 460-636864/14	A163581.D
Level 4	STD4 460-636864/13	A163580.D
Level 5	STD10 460-636864/10	A163577.D
Level 6	STD16 460-636864/12	A163579.D
Level 7	STD24 460-636864/11	A163578.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCBd 4	Ave	25589 1976834	118952 2757425	232902	542659	1233647	0.200 16.0	1.00 24.0	2.00	4.00	10.0
Caprolactam	NPT	Ave	4584 583554	26288 832081	56158	138355	356649	0.200 16.0	1.00 24.0	2.00	4.00	10.0
Atrazine	PHN	Ave	9426 945847	50065 1341774	105352	240819	599712	0.200 16.0	1.00 24.0	2.00	4.00	10.0

Curve Type Legend:
Ave = Average ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163577.D
Lims ID: std10
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Sep-2019 13:58:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-010
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:46 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 14:42:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.087	0.000	95	1233647	10.0	10.3	
* 14 1,4-Dichlorobenzene-d4	152	4.499	4.499	0.000	96	839295	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3415879	8.00	8.00	
42 Caprolactam	113	6.069	6.069	0.000	95	356649	10.0	11.5	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1523826	8.00	8.00	
83 Atrazine	200	8.492	8.492	0.000	93	599712	10.0	11.0	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	99	2430660	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1595000	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1449951	8.00	8.00	

Reagents:

SM_BNAL5B_00041 Amount Added: 1.00 Units: mL

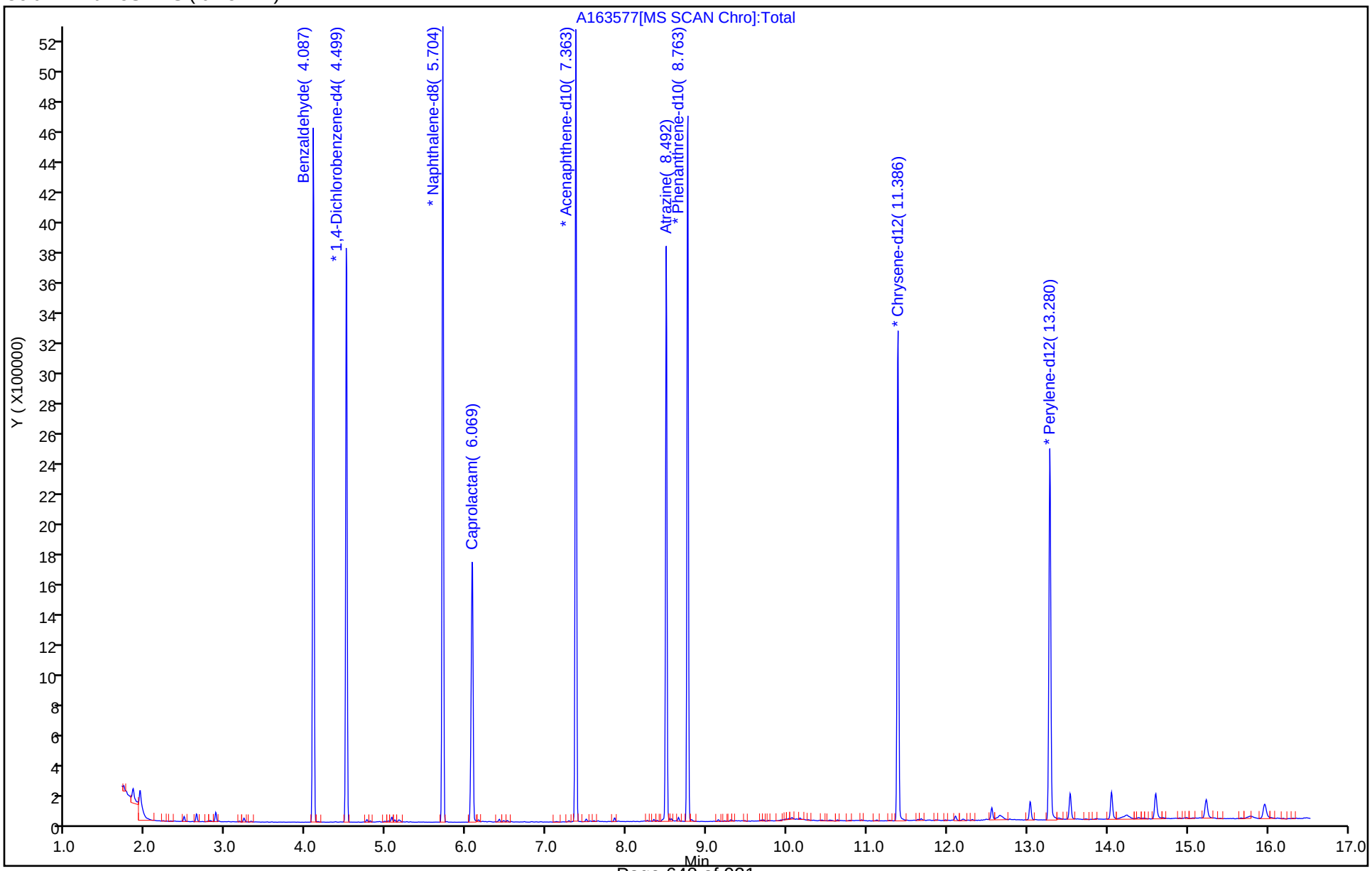
Report Date: 05-Sep-2019 12:30:49 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163577.D

Injection Date:	04-Sep-2019 13:58:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std10			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163578.D
Lims ID: std24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Sep-2019 14:19:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-011
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:30:54 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 14:42:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.093	4.087	0.006	95	2757425	24.0	23.6	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.499	0.005	95	817228	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3229474	8.00	8.00	
42 Caprolactam	113	6.087	6.069	0.018	94	832081	24.0	28.3	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1457420	8.00	8.00	
83 Atrazine	200	8.498	8.492	0.006	93	1341774	24.0	25.5	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2347015	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1540674	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1452223	8.00	8.00	

Reagents:

SM_BNAL7B_00014 Amount Added: 1.00 Units: mL

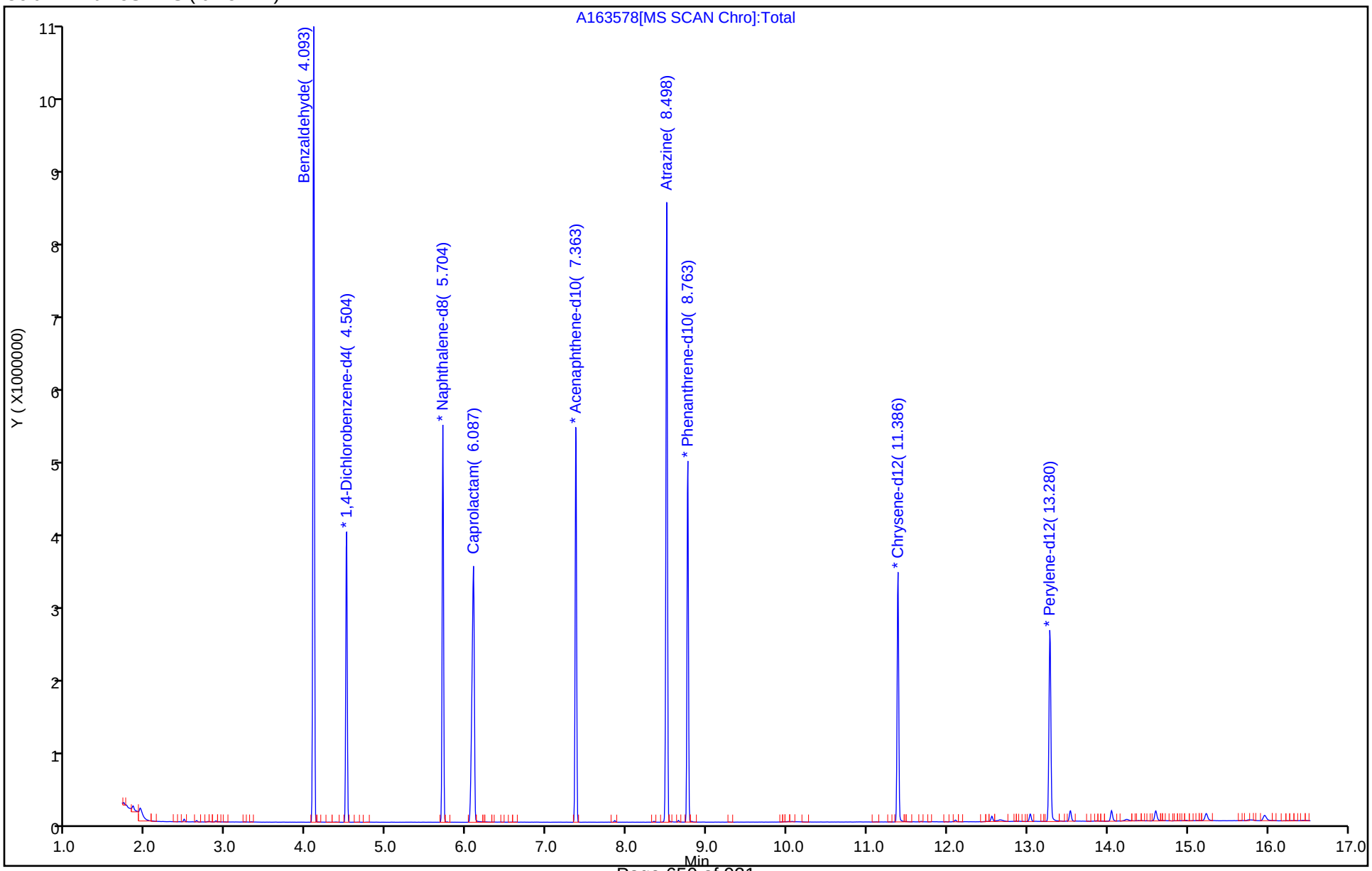
Report Date: 05-Sep-2019 12:30:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163578.D

Injection Date:	04-Sep-2019 14:19:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std24			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163579.D
Lims ID: std16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Sep-2019 14:40:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-012
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:03 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 15:26:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.093	4.087	0.006	95	1976834	16.0	15.8	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.499	0.005	95	874599	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3531315	8.00	8.00	
42 Caprolactam	113	6.081	6.069	0.012	94	583554	16.0	18.1	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1596490	8.00	8.00	
83 Atrazine	200	8.498	8.492	0.006	93	945847	16.0	17.0	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	99	2491266	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1518090	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	97	1422165	8.00	8.00	

Reagents:

SM_BNAL6B_00021 Amount Added: 1.00 Units: mL

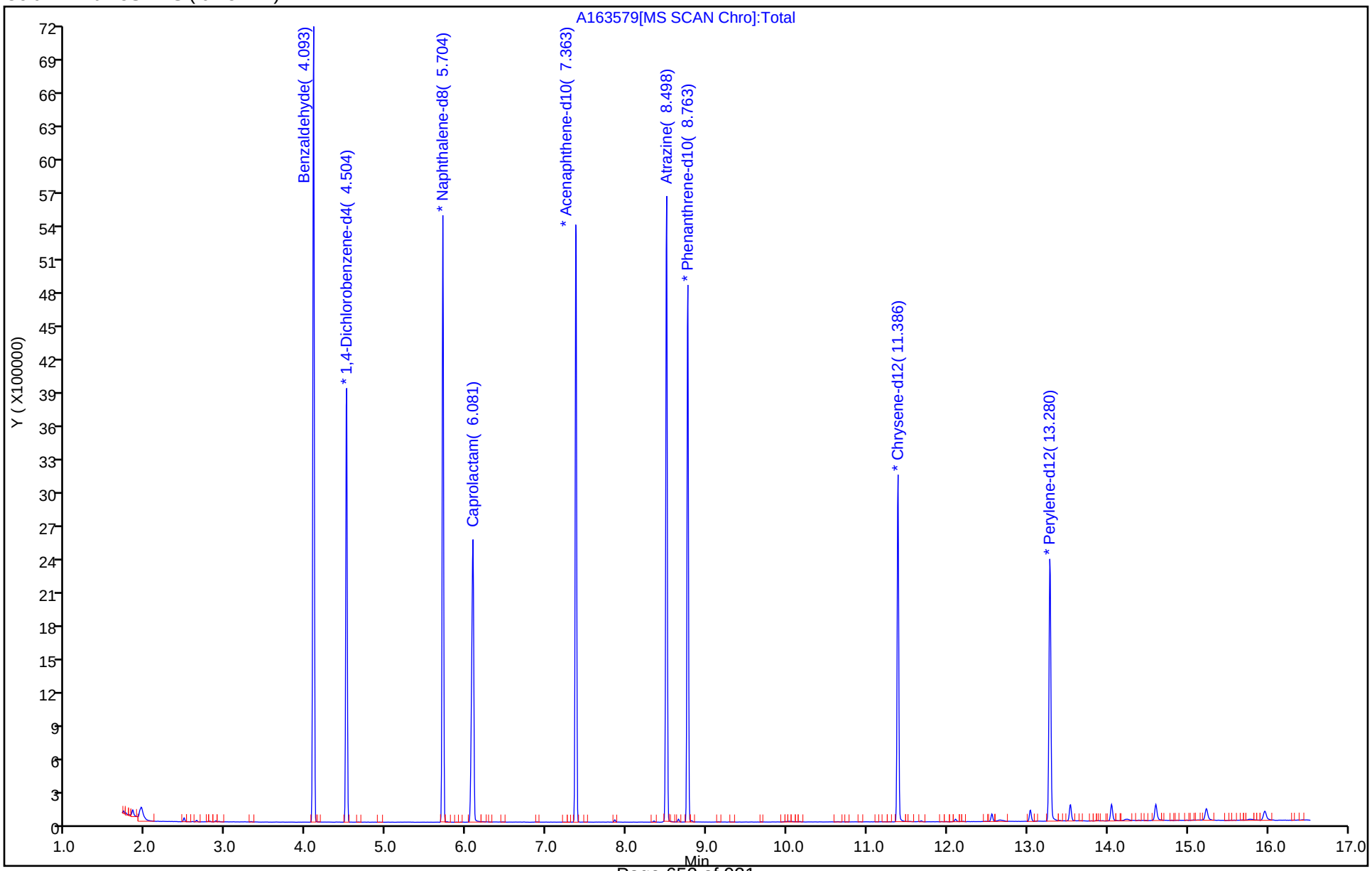
Report Date: 05-Sep-2019 12:31:05 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163579.D

Injection Date:	04-Sep-2019 14:40:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std16			Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163580.D
Lims ID: std4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Sep-2019 15:01:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-013
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:08 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 15:27:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.087	0.000	95	542659	4.00	4.21	
* 14 1,4-Dichlorobenzene-d4	152	4.498	4.499	-0.001	96	903202	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3633714	8.00	8.00	
42 Caprolactam	113	6.063	6.069	-0.006	94	138355	4.00	4.18	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1663668	8.00	8.00	
83 Atrazine	200	8.492	8.492	0.000	93	240819	4.00	4.20	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2558423	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1526390	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1435012	8.00	8.00	

Reagents:

SM_BNAL4B_00030 Amount Added: 1.00 Units: mL

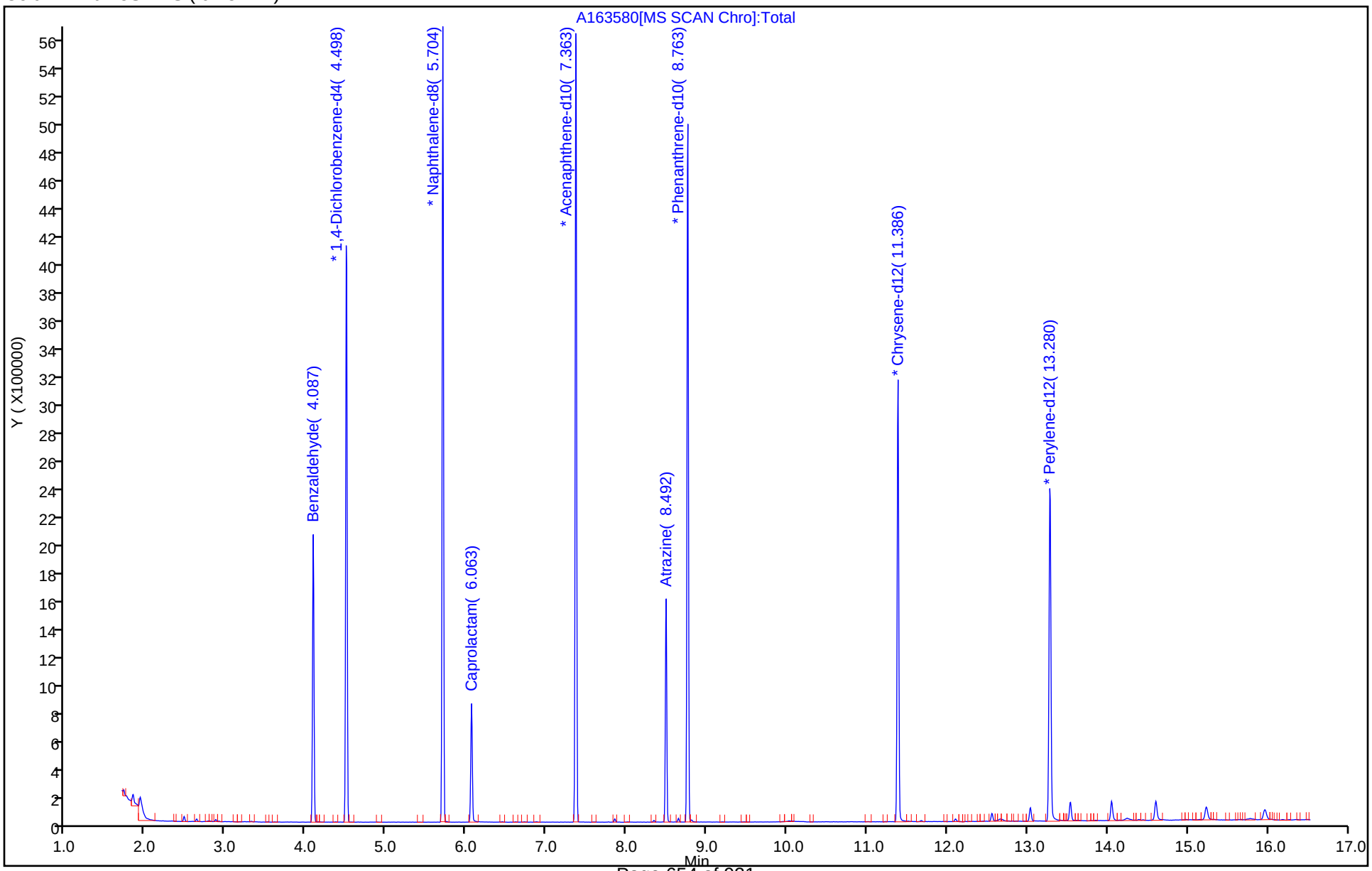
Report Date: 05-Sep-2019 12:31:09 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163580.D

Injection Date:	04-Sep-2019 15:01:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std4			Worklist Smp#:	13
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163581.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Sep-2019 15:22:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-014
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:12 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 05-Sep-2019 09:05:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.087	0.000	96	232902	2.00	1.97	
* 14 1,4-Dichlorobenzene-d4	152	4.498	4.499	-0.001	96	827523	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3286325	8.00	8.00	
42 Caprolactam	113	6.057	6.069	-0.012	93	56158	2.00	1.88	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1500673	8.00	8.00	
83 Atrazine	200	8.492	8.492	0.000	93	105352	2.00	1.95	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2416903	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1583390	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1447238	8.00	8.00	

Reagents:

SM_BNAL3B_00021 Amount Added: 1.00 Units: mL

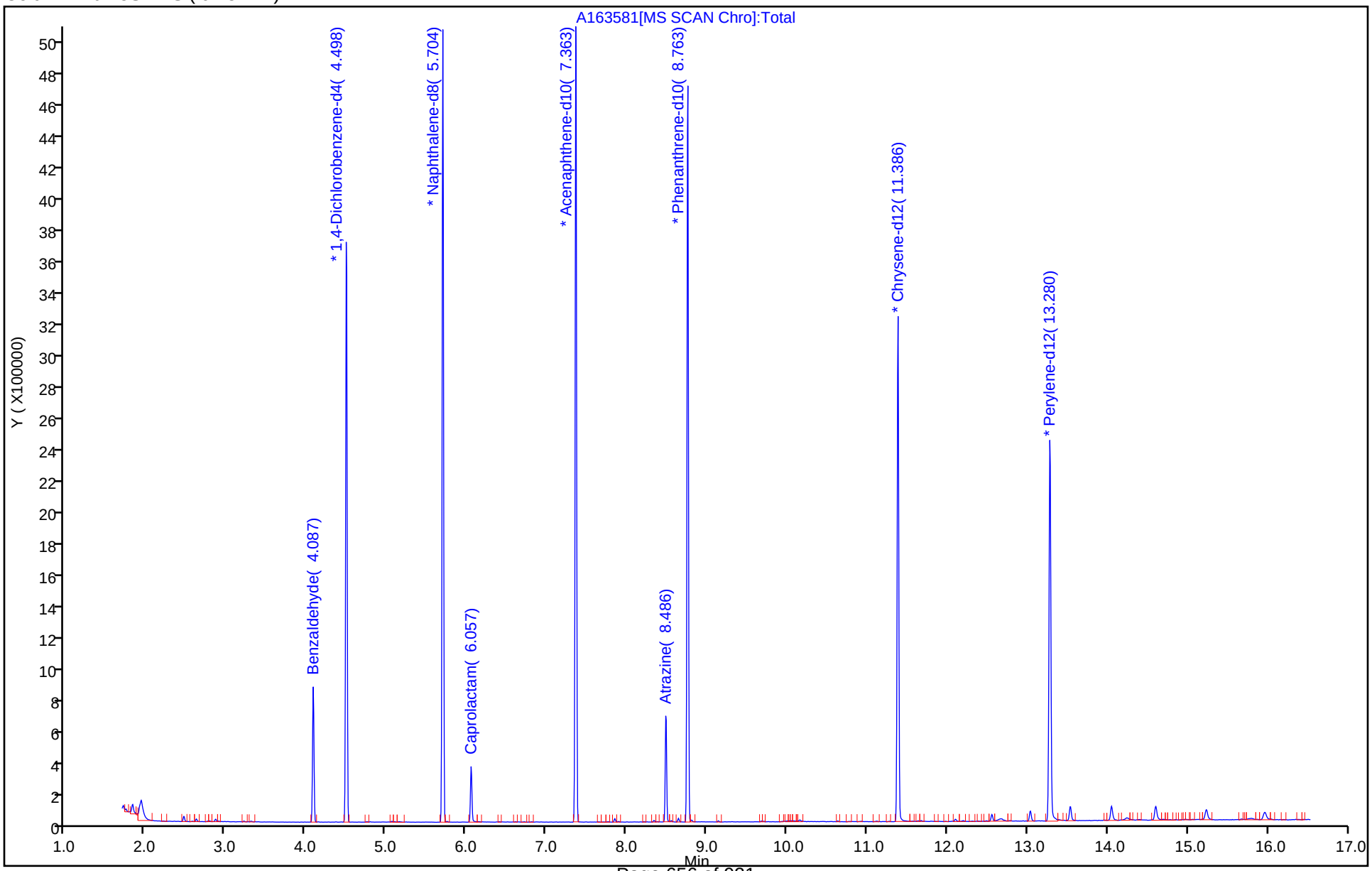
Report Date: 05-Sep-2019 12:31:14 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163581.D

Injection Date:	04-Sep-2019 15:22:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std2			Worklist Smp#:	14
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163582.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Sep-2019 15:43:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-015
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:18 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 05-Sep-2019 09:05:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.087	4.087	0.000	95	118952	1.00	1.00	
* 14 1,4-Dichlorobenzene-d4	152	4.499	4.499	0.000	96	835532	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3356068	8.00	8.00	
42 Caprolactam	113	6.057	6.069	-0.012	94	26288	1.00	0.8599	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	95	1534620	8.00	8.00	
83 Atrazine	200	8.487	8.492	-0.005	93	50065	1.00	0.9206	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2428461	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1547902	8.00	8.00	
* 109 Perylene-d12	264	13.280	13.280	0.000	98	1445587	8.00	8.00	

Reagents:

SM_BNAL2B_00025 Amount Added: 1.00 Units: mL

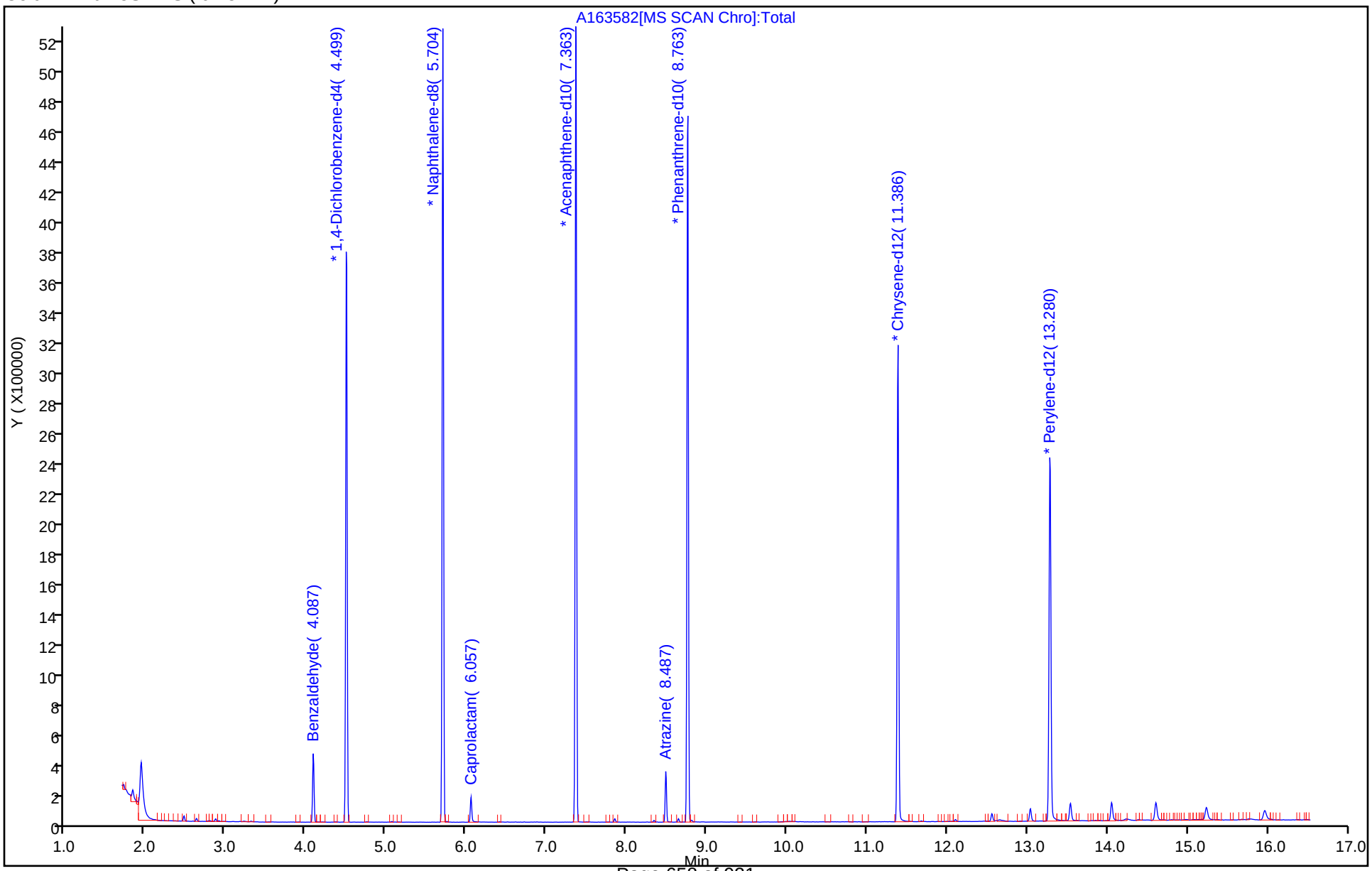
Report Date: 05-Sep-2019 12:31:21 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163582.D

Injection Date:	04-Sep-2019 15:43:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	std1			Worklist Smp#:	15
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D
Lims ID: std02
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Sep-2019 16:05:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-016
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 12:31:26 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: johnstonm1 Date: 05-Sep-2019 09:05:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.093	4.087	0.006	95	25589	0.2000	0.1925	
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.499	0.005	95	930629	8.00	8.00	
* 38 Naphthalene-d8	136	5.704	5.704	0.000	99	3602160	8.00	8.00	
42 Caprolactam	113	6.057	6.069	-0.012	91	4584	0.2000	0.1397	
* 64 Acenaphthene-d10	164	7.363	7.363	0.000	96	1611995	8.00	8.00	
83 Atrazine	200	8.487	8.492	-0.005	92	9426	0.2000	0.1661	
* 87 Phenanthrene-d10	188	8.763	8.763	0.000	98	2534043	8.00	8.00	
* 102 Chrysene-d12	240	11.386	11.386	0.000	99	1550081	8.00	8.00	
* 109 Perylene-d12	264	13.286	13.280	0.006	98	1476896	8.00	8.00	

Reagents:

SM_BNAL1B_00023 Amount Added: 1.00 Units: mL

Report Date: 05-Sep-2019 12:31:28 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Injection Date: 04-Sep-2019 16:05:30 Instrument ID: CBNAMS16 Operator ID:

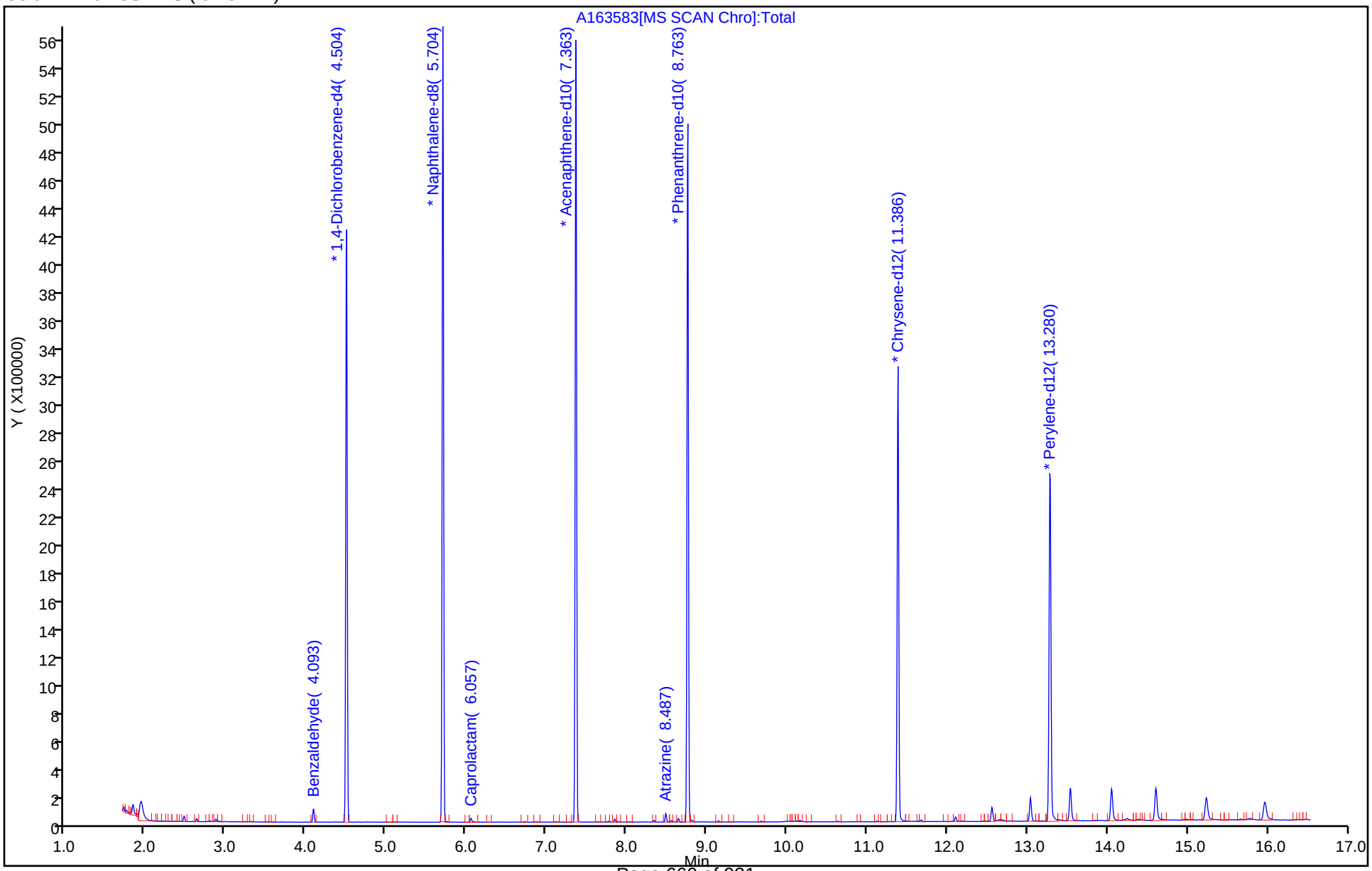
Lims ID: std02 Worklist Smp#: 16

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 16

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-638750/9	P083249.D
Level 2	STD02 460-638750/8	P083248.D
Level 3	STD1 460-638750/7	P083247.D
Level 4	STD2 460-638750/6	P083246.D
Level 5	STD4 460-638750/5	P083245.D
Level 6	ICIS 460-638750/2	P083242.D
Level 7	STD16 460-638750/4	P083244.D
Level 8	STD24 460-638750/3	P083243.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6573	0.5660	0.6081 0.5703	0.6582	0.6635	Ave		0.6206				7.3		20.0			
N-Nitrosodimethylamine	1.1157	0.9888	0.9437 0.9494	1.0526	1.0769	Ave		1.0212				7.0		20.0			
Pyridine	1.4908	1.3852	1.2712 1.3335	1.5070	1.4467	Ave		1.4057				6.6		20.0			
Phenol	2.1296	1.9488	1.9664 1.8541	2.0980	2.1085	Ave		2.0176			0.8000	5.5		20.0			
Aniline	2.6399	2.4602	2.4344 2.3469	2.6125	2.6489	Ave		2.5238				5.0		20.0			
Bis(2-chloroethyl)ether	1.6895 1.7016	1.5487 1.5749	1.5555 1.5222	1.7279	1.7269	Ave		1.6309			0.7000	5.4		20.0			
2-Chlorophenol	1.5218	1.4712	1.4855 1.4068	1.5168	1.5504	Ave		1.4921			0.8000	3.4		20.0			
n-Decane	1.6274	1.4344	1.6441 1.3843	1.6465	1.5825	Ave		1.5532				7.4		20.0			
1,3-Dichlorobenzene	1.6061	1.5367	1.5975 1.4798	1.7650	1.6479	Ave		1.6055				6.1		20.0			
1,4-Dichlorobenzene	1.6376	1.5534	1.5541 1.4885	1.6935	1.7141	Ave		1.6068				5.5		20.0			
Benzyl alcohol	1.0437	1.0496	0.9830 0.9899	1.0925	1.0710	Ave		1.0383				4.2		20.0			
1,2-Dichlorobenzene	1.5462	1.4782	1.4146 1.4189	1.5589	1.6452	Ave		1.5103				6.0		20.0			
2-Methylphenol	1.4533	1.3600	1.3110 1.3239	1.5131	1.4685	Ave		1.4050			0.7000	6.0		20.0			
2,2'-oxybis[1-chloropropane]	2.1644	1.9537	2.0244 1.7784	2.1154	2.1648	Ave		2.0335			0.0100	7.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Methylaniline	2.0484 2.2479	2.4068 2.0812	2.0440 1.9811	2.2592	2.2604	Ave		2.1661				6.8		20.0			
3 & 4 Methylphenol	1.5355	1.3658	1.5240 1.2911	1.6376	1.6306	Ave		1.4974				9.4		20.0			
4-Methylphenol	1.5309	1.3630	1.5240 1.2884	1.6376	1.6306	Ave		1.4958			0.6000	9.5		20.0			
N-Nitrosodi-n-propylamine	1.3215 1.1472	1.1543 1.0964	1.0535 1.0220	1.2479	1.1823	Ave		1.1532			0.5000	8.6		20.0			
Acetophenone	2.0819	1.9427	2.2368 1.7636	2.2972	2.2426	Ave		2.0941			0.0100	9.9		20.0			
Hexachloroethane	0.6155 0.6151	0.6325 0.6047	0.5866 0.5660	0.5920	0.6340	Ave		0.6058			0.3000	3.9		20.0			
Nitrobenzene	0.7292 0.6999	0.6313 0.7095	0.6984 0.6562	0.7158	0.7385	Ave		0.6974			0.2000	5.2		20.0			
n,n'-Dimethylaniline	1.8887 2.2513	2.2655 2.0842	2.1657 1.9655	2.2851	2.2602	Ave		2.1458				7.1		20.0			
Isophorone	0.7827	0.7641 0.7846	0.8070 0.7552	0.8020	0.8446	Ave		0.7915			0.4000	3.8		20.0			
2-Nitrophenol	0.1620	0.1794	0.1591 0.1774	0.1759	0.1783	Ave		0.1720			0.1000	5.2		20.0			
2,4-Dimethylphenol	0.3202	0.3182	0.3181 0.3098	0.3541	0.3434	Ave		0.3273			0.2000	5.3		20.0			
Benzoic acid	0.1829	0.2099	0.0843 0.2258	0.1339	0.1615	Lin2	-0.134	0.2100			0.0100				0.9920		0.9900
Bis(2-chloroethoxy)methane	0.4711	0.4749	0.5113 0.4558	0.5145	0.5153	Ave		0.4905			0.3000	5.4		20.0			
2,4-Dichlorophenol	0.2814	0.2815	0.2547 0.2749	0.3060	0.3078	Ave		0.2844			0.2000	7.0		20.0			
1,2,4-Trichlorobenzene	0.3448 0.3060	0.3320 0.3038	0.3262 0.2972	0.3446	0.3249	Ave		0.3224				5.7		20.0			
Naphthalene	1.0167	0.9770	1.1112 0.9228	1.1220	1.1281	Ave		1.0463			0.7000	8.3		20.0			
4-Chloroaniline	0.4306	0.4342	0.4497 0.4137	0.4795	0.4748	Ave		0.4471			0.0100	5.8		20.0			
Hexachlorobutadiene	0.2528 0.1680	0.1830 0.1843	0.1937 0.1737	0.1997	0.1940	Lin2	0.0059	0.1810			0.0100				0.9920		0.9900
4-Chloro-3-methylphenol	0.3137	0.3215	0.3108 0.3126	0.3495	0.3444	Ave		0.3254			0.2000	5.3		20.0			
2-Methylnaphthalene	0.6317	0.6807 0.6296	0.6797 0.5957	0.7192	0.7005	Ave		0.6624			0.4000	6.7		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.6033	0.5678 0.5908	0.6777 0.5595	0.6522	0.6586	Ave		0.6157				7.6		20.0			
Hexachlorocyclopentadiene	0.3906	0.4207	0.3613 0.4115	0.3873	0.4050	Ave		0.3961			0.0500	5.3		20.0			
1,2,4,5-Tetrachlorobenzene	0.5840	0.5814	0.6675 0.5628	0.6694	0.6620	Ave		0.6212			0.0100	8.1		20.0			
2-tertbutyl-4-methylphenol	0.4318	0.4654 0.4404	0.3856 0.4309	0.4470	0.4521	Ave		0.4362				5.8		20.0			
2,4,6-Trichlorophenol	0.3841	0.2817 0.4193	0.4005 0.3975	0.3839	0.4236	Ave		0.3844			0.2000	12.4		20.0			
2,4,5-Trichlorophenol	0.4302	0.4314	0.4201 0.4343	0.4248	0.4377	Ave		0.4297			0.2000	1.5		20.0			
1,1'-Biphenyl	1.5160	1.4699	1.6862 1.4157	1.6380	1.6359	Ave		1.5603			0.0100	6.9		20.0			
2-Chloronaphthalene	1.2079	1.2012	1.2379 1.1340	1.2964	1.3454	Ave		1.2371			0.8000	6.1		20.0			
Phenyl ether	0.7928	0.7909	0.8346 0.7831	0.8009	0.8471	Ave		0.8082				3.2		20.0			
2-Nitroaniline	0.4756	0.5097	0.4230 0.4876	0.5138	0.4986	Ave		0.4847			0.0100	6.9		20.0			
1,3-Dimethylnaphthalene	0.9750	0.9351	0.9474 0.9041	1.0116	0.9906	Ave		0.9606				4.1		20.0			
Dimethyl phthalate	1.3758	1.3982	1.4578 1.3182	1.4683	1.5805	Ave		1.4332			0.0100	6.3		20.0			
Coumarin	0.2437	0.2349	0.2383 0.2269	0.2475	0.2540	Ave		0.2409				4.0		20.0			
2,6-Dinitrotoluene	0.2983	0.1763 0.3129	0.2373 0.3116	0.2946	0.3328	Lin2	-0.028	0.3081			0.2000				0.9940		0.9900
Acenaphthylene	1.7619	1.7973	1.7580 1.7115	1.9435	1.9282	Ave		1.8167			0.9000	5.3		20.0			
3-Nitroaniline	0.3329	0.3489	0.3013 0.3310	0.3214	0.3632	Ave		0.3331			0.0100	6.4		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.0674	1.0145	1.2541 0.9710	1.0872	1.0869	Ave		1.0802				8.9		20.0			
Acenaphthene	1.0653	1.0469	1.2983 0.9743	1.3102	1.3261	Ave		1.1702			0.9000	13.5		20.0			
2,4-Dinitrophenol	0.1662	0.1865	0.1046 0.1833	0.1400	0.1644	Lin2	-0.162	0.1840			0.0100				0.9980		0.9900
4-Nitrophenol	0.2950	0.2945	0.2572 0.2858	0.3104	0.3127	Ave		0.2926			0.0100	6.9		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.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.4110	0.2939 0.4233	0.3501 0.3998	0.3857	0.4345	Ave		0.3855			0.2000	12.7		20.0			
Dibenzofuran	1.5661	1.5652	1.6584 1.4876	1.7598	1.7295	Ave		1.6278			0.8000	6.5		20.0			
2,3,4,6-Tetrachlorophenol	0.3431	0.3506	0.3436 0.3492	0.3164	0.3610	Ave		0.3440			0.0100	4.3		20.0			
Diethyl phthalate	1.3457	1.3971	1.3733 1.3308	1.5654	1.7305	Ave		1.4571			0.0100	10.9		20.0			
Fluorene	1.2497	1.2041	1.4603 1.1281	1.3925	1.3797	Ave		1.3024			0.9000	9.8		20.0			
4-Chlorophenyl phenyl ether	0.6158	0.6174	0.7036 0.5892	0.7259	0.7178	Ave		0.6616			0.4000	9.2		20.0			
4-Nitroaniline	0.3477	0.3540	0.3392 0.3342	0.3878	0.3525	Ave		0.3526			0.0100	5.4		20.0			
4,6-Dinitro-2-methylphenol	0.1202	0.1398	0.0934 0.1423	0.0961	0.1134	Ave		0.1175			0.0100	17.7		20.0			
N-Nitrosodiphenylamine	0.5461	0.5840	0.5822 0.5726	0.6081	0.6084	Ave		0.5836			0.0100	4.0		20.0			
1,2-Diphenylhydrazine	0.9089	0.9712	1.0338 0.9326	1.0133	1.0037	Ave		0.9772				5.0		20.0			
4-Bromophenyl phenyl ether	0.2292	0.2436	0.2443 0.2351	0.2582	0.2547	Ave		0.2442			0.1000	4.5		20.0			
Hexachlorobenzene	0.2691 0.2581	0.3333 0.2657	0.2623 0.2577	0.2637	0.2721	Ave		0.2727			0.1000	9.1		20.0			
Pentachlorophenol	0.1587	0.1688	0.1472 0.1690	0.1551	0.1596	Ave		0.1597			0.0500	5.2		20.0			
Pentachloronitrobenzene	0.1047	0.1105	0.0844 0.1144	0.1046	0.1118	Ave		0.1051			0.0100	10.3		20.0			
n-Octadecane	0.5490	0.5791	0.6111 0.5392	0.6046	0.6111	Ave		0.5823				5.5		20.0			
Phenanthrene	1.1392	1.1126	1.2177 1.0576	1.2370	1.2395	Ave		1.1673			0.7000	6.5		20.0			
Anthracene	1.1611	1.1580	1.2410 1.0905	1.2567	1.2696	Ave		1.1961			0.7000	5.9		20.0			
Carbazole	1.0269	0.9944	1.1064 0.9361	1.1328	1.1137	Ave		1.0517			0.0100	7.4		20.0			
Di-n-butyl phthalate	1.2925	1.2962	1.3078 1.2108	1.4063	1.4711	Ave		1.3308			0.0100	7.0		20.0			
Fluoranthene	1.2007	1.0997	1.2498 1.0409	1.3023	1.3209	Ave		1.2024			0.6000	9.3		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.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzidine	0.7523	0.6576	0.6492 0.6104	0.6886	0.7440	Ave		0.6837				8.2		20.0			
Pyrene	1.2953	1.5886	1.4890 1.5740	1.3609	1.5313	Ave		1.4732			0.6000	8.1		20.0			
Bisphenol-A	0.6191	0.6334	0.5402 0.6500	0.5477	0.6063	Ave		0.5995				7.6		20.0			
Butyl benzyl phthalate	0.5824	0.6653	0.5500 0.6613	0.5626	0.6563	Ave		0.6130			0.0100	8.8		20.0			
2,3,7,8-TCDD	0.2020					Ave		0.2020						20.0			
Carbamazepine	0.5065	0.4730	0.2969 0.5005	0.3976	0.4314	Lin2	-0.208	0.5022			0.0100				0.9980		0.9900
3,3'-Dichlorobenzidine	0.4750	0.3938 0.4619	0.4430 0.4745	0.4729	0.4707	Ave		0.4559			0.0100	6.5		20.0			
Benzo[a]anthracene	1.3898 1.2302	1.2098 1.2638	1.4380 1.2216	1.3118	1.3502	Ave		1.3019			0.8000	6.5		20.0			
Chrysene	1.1588	1.2421 1.1603	1.4392 1.1191	1.2623	1.2557	Ave		1.2339			0.7000	8.6		20.0			
Bis(2-ethylhexyl) phthalate	0.8126	0.5303 0.9023	0.7928 0.9050	0.8278	0.9106	Lin2	-0.071	0.8824			0.0100				0.9980		0.9900
Di-n-octyl phthalate	1.3478	1.5432	1.0379 1.4963	1.3110	1.4568	Ave		1.3655			0.0100	13.4		20.0			
Benzo[b]fluoranthene	1.0570 1.1707	1.0763 1.1702	1.1293 1.1652	1.1560	1.2507	Ave		1.1469			0.7000	5.3		20.0			
Benzo[k]fluoranthene	1.2154 1.2100	1.0852 1.2032	1.1353 1.1496	1.2390	1.3209	Ave		1.1948			0.7000	6.0		20.0			
Benzo[a]pyrene	1.1093 1.1093	0.9433 1.0988	1.0667 1.1129	1.1441	1.1495	Ave		1.0917			0.7000	6.0		20.0			
Indeno[1,2,3-cd]pyrene	0.8899 1.0327	0.8668 1.0561	0.8751 1.1152	1.0923	1.0101	Ave		0.9923			0.5000	10.2		20.0			
Dibenz(a,h)anthracene	1.0499 1.0557	0.8425 1.0370	0.9245 1.0568	1.0790	1.0207	Ave		1.0082			0.4000	8.1		20.0			
Benzo[g,h,i]perylene	1.0062	1.0417	0.9136 1.1578	1.0767	0.9945	Ave		1.0318			0.5000	8.0		20.0			
2-Fluorophenol (Surr)	1.5539	1.7203 1.4895	1.4816 1.4354	1.5343	1.4404	Ave		1.5222				6.4		20.0			
Phenol-d5 (Surr)	2.0534	2.1023 1.9111	1.7290 1.8393	1.8117	1.8837	Ave		1.9044				7.0		20.0			
Nitrobenzene-d5 (Surr)	0.4741 0.4021	0.4455 0.4331	0.4300 0.4253	0.4406	0.4278	Ave		0.4348				4.7		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.7114 1.3890	1.6758 1.4084	1.5020 1.3380	1.4715	1.4638	Ave		1.4950				8.9		20.0			
2,4,6-Tribromophenol (Surr)	 0.2240	0.1978 0.2511	0.2221 0.2353	0.2195	0.2376	Ave		0.2268				7.4		20.0			
Terphenyl-d14 (Surr)	0.9970 0.9130	1.1401 1.2288	1.0906 1.1956	1.0955	1.1455	Ave		1.1008				9.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-638750/9	P083249.D
Level 2	STD02 460-638750/8	P083248.D
Level 3	STD1 460-638750/7	P083247.D
Level 4	STD2 460-638750/6	P083246.D
Level 5	STD4 460-638750/5	P083245.D
Level 6	ICIS 460-638750/2	P083242.D
Level 7	STD16 460-638750/4	P083244.D
Level 8	STD24 460-638750/3	P083243.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	474138	696409	46337 999720	93588	191946	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	804717	1216548	71916 1664368	149666	311534	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCBd 4	Ave	2150630	3408462	193738 4675610	428545	836984	20.0	32.0	2.00 48.0	4.00	8.00
Phenol	DCBd 4	Ave	1536044	2397626	149852 3250406	298297	609931	10.0	16.0	1.00 24.0	2.00	4.00
Aniline	DCBd 4	Ave	1904140	3026754	185513 4114227	371450	766272	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	11587 1227320	23591 1937561	118541 2668582	245673	499564	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	1097672	1810065	113205 2466244	215661	448483	10.0	16.0	1.00 24.0	2.00	4.00
n-Decane	DCBd 4	Ave	1173800	1764714	125293 2426839	234098	457796	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCBd 4	Ave	1158487	1890607	121737 2594245	250949	476708	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	1181161	1911195	118431 2609416	240776	495840	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCBd 4	Ave	752784	1291377	74907 1735409	155335	309824	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	1115267	1818632	107804 2487373	221646	475907	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	1048247	1673181	99906 2320895	215133	424806	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	1561147	2403611	154273 3117612	300765	626243	10.0	16.0	1.00 24.0	2.00	4.00
N-Methylaniline	DCBd 4	Ave	14048 1621407	36661 2560461	155761 3472976	321220	653891	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
3 & 4 Methylphenol	DCBd 4	Ave	1107566	1680413	116138 2263340	232831	471711	10.0	16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCBd 4	Ave	1104223	1676933	116138 2258677	232831	471711	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	9063 827496	17583 1348888	80286 1791694	177430	342006	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acetophenone	DCBd 4	Ave	1501662	2390156	170459 3091724	326613	648736	10.0	16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	4221 443653	9634 744026	44701 992194	84171	183403	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene	DCBd 4	Ave	5001 504824	9616 872948	53220 1150414	101776	213627	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCBd 4	Ave	12953 1623819	34510 2564165	165035 3445689	324891	653817	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	2265621	46170 3782011	234235 5106289	441097	952667	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	468822	864638	46169 1199420	96736	201095	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	926993	1533639	92321 2094495	194772	387326	10.0	16.0	1.00 24.0	2.00	4.00
Benzoic acid	NPT	Lin2	529344	1011957	24483 1526666	73666	182109	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	1363754	2289119	148412 3081742	282978	581259	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	814629	1357079	73938 1858612	168304	347166	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	9236 885709	20059 1464590	94668 2009568	189544	366438	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	2942915	4709414	322547 6239545	617086	1272341	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	1246398	2093252	130534 2797050	263714	535562	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Lin2	6772 486340	11058 888526	56212 1174236	109852	218777	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Chloro-3-methylphenol	NPT	Ave	907964	1549711	90208 2113379	192209	388463	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	1828649	41131 3035029	197280 4028068	395535	790131	10.0	0.200 16.0	1.00 24.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	1746494	34313 2847964	196718 3783073	358720	742796	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	569096	1018674	54778 1397925	108915	231900	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	850951	1407914	101200 1911812	188247	379051	10.0	16.0	1.00 24.0	2.00	4.00
2-tertbutyl-4-methylphenol	NPT	Ave	1249992	2122865	28123 111924 2913269	245850	509912	10.0	16.0	0.200 1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	559698	1015210	8967 60724 1350346	107950	242532	10.0	16.0	0.200 1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	626788	1044556	63700 1475259	119442	250612	10.0	16.0	1.00 24.0	2.00	4.00
1,1'-Biphenyl	ANT	Ave	2209007	3559227	255658 4809021	460601	936728	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1760014	2908603	187684 3851893	364556	770405	10.0	16.0	1.00 24.0	2.00	4.00
Phenyl ether	ANT	Ave	1155217	1915209	126541 2660057	225210	485036	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	693066	1234207	64130 1656295	144490	285526	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dimethylnaphthalene	ANT	Ave	1420653	2264227	143645 3071255	284477	567218	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	2004771	3385632	221024 4477876	412896	905017	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	705489	1132268	69160 1534033	136120	286526	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	434687	757584	5611 35978 1058407	82841	190571	10.0	16.0	0.200 1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	2567348	4351920	266538 5813856	546525	1104103	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	485146	844740	45686 1124214	90386	207980	10.0	16.0	1.00 24.0	2.00	4.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1555296	2456503	190133 3298496	305727	622351	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	1552302	2535033	196836 3309568	368421	759322	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin2	484494	902953	31709 1245478	78760	188229	20.0	32.0	2.00 48.0	4.00	8.00
4-Nitrophenol	ANT	Ave	859792	1426171	77994 1941356	174582	358136	20.0	32.0	2.00 48.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Ave	598887	1024984	9357 53077 1358018	108468	248778	10.0	16.0	0.200 1.00 24.0	2.00	4.00
Dibenzofuran	ANT	Ave	2281987	3789890	251439 5053167	494863	990352	10.0	16.0	1.00 24.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	499977	848866	52092 1186081	88983	206703	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Diethyl phthalate	ANT	Ave	1960845	3382937	208216 4520433	440180	990931	10.0	16.0	1.00 24.0	2.00	4.00
Fluorene	ANT	Ave	1820924	2915682	221398 3831918	391567	790018	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	897351	1494856	106673 2001368	204131	410992	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	506657	857201	51433 1135197	109061	201869	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Ave	588805	1096376	47467 1523252	90564	219502	20.0	32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	1337348	2290648	147891 3063564	286504	589002	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	2225744	3809464	262607 4989807	477387	971640	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	561185	955636	62064 1258148	121667	246589	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	6096 632029	17633 1042055	66623 1378831	124260	263376	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Pentachlorophenol	PHN	Ave	777465	1324316	74800 1807986	146122	308916	20.0	32.0	2.00 48.0	4.00	8.00
Pentachloronitrobenzene	PHN	Ave	256290	433320	21450 611966	49297	108265	10.0	16.0	1.00 24.0	2.00	4.00
n-Octadecane	PHN	Ave	1344352	2271436	155239 2884854	284823	591623	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	2789729	4363818	309330 5658521	582792	1199981	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	2843266	4541987	315257 5834829	592049	1229057	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	2514654	3900466	281062 5008850	533691	1078115	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	3165099	5084057	332217 6478180	662553	1424178	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	2940284	4313417	317471 5569361	613544	1278698	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Ave	1842217	2579365	164921 3266126	324428	720245	10.0	16.0	1.00 24.0	2.00	4.00
Pyrene	CRY	Ave	2993166	4469518	317187 5684284	641703	1299250	10.0	16.0	1.00 24.0	2.00	4.00
Bisphenol-A	CRY	Ave	1430721	1782225	115072 2347453	258267	514407	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	1345723	1871946	117169 2388277	265291	556831	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 09:48 Calibration End Date: 09/12/2019 13:18 Calibration ID: 76730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,3,7,8-TCDD	CRY	Ave	4667					0.100				
Carbamazepine	CRY	Lin2	1170429	1330918	63253 1807507	187489	365997	10.0	16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	1097539	17665 1299439	94364 1713724	222969	399347	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]anthracene	CRY	Ave	29258 2842742	54271 3555894	306338 4411734	618576	1145562	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	2677674	55720 3264477	306592 4041593	595195	1065369	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Lin2	1877851	23791 2538539	168893 3268451	390338	772565	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	3249157	3954248	233759 5102827	684003	1162914	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	24896 2822227	44779 2998538	254330 3973557	603118	998332	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	28627 2917011	45152 3082996	255693 3920555	646414	1054381	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	26128 2674075	39247 2815635	240227 3795254	596924	917554	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	20961 2489532	36066 2706128	197080 3803283	569912	806303	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	24729 2544840	35052 2657167	208213 3603949	562948	814748	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	2425591	2669286	205767 3948626	561737	793882	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	1120845	26205 1832557	112907 2516343	218154	416664	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	1481123	32023 2351226	131756 3224502	257583	544915	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	12699 1163884	26919 2087530	124822 2875691	242329	482510	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	23025 2023967	53350 3410233	227722 4544867	413778	838204	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	326393	6297 608066	33680 799381	61713	136042	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Terphenyl-d14 (Surr)	CRY	Ave	20988 2109796	51146 3457342	232333 4317934	516570	971859	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

Curve Type Legend:

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

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083242.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 12-Sep-2019 09:48:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:02 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 10:42:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.848	1.848	0.000	94	474138	10.0	10.6	
2 N-Nitrosodimethylamine	74	2.062	2.062	0.000	95	804717	10.0	10.9	
3 Pyridine	79	2.097	2.097	0.000	96	2150630	20.0	21.2	
$ 4 2-Fluorophenol	112	3.197	3.197	0.000	94	1120845	10.0	10.2	
$ 6 Phenol-d5	99	4.077	4.077	0.000	98	1481123	10.0	10.8	
7 Phenol	94	4.090	4.090	0.000	99	1536044	10.0	10.6	
8 Aniline	93	4.122	4.122	0.000	99	1904140	10.0	10.5	
9 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	96	1227320	10.0	10.4	
10 Benzonitrile	103	4.198	4.198	0.000	99	2373027	NC	NC	
11 2-Chlorophenol	128	4.240	4.240	0.000	92	1097672	10.0	10.2	
12 n-Decane	43	4.291	4.291	0.000	89	1173800	10.0	10.5	
13 1,3-Dichlorobenzene	146	4.390	4.390	0.000	93	1158487	10.0	10.0	
* 14 1,4-Dichlorobenzene-d4	152	4.442	4.442	0.000	97	577034	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.458	4.458	0.000	93	1181161	10.0	10.2	
16 Benzyl alcohol	108	4.563	4.563	0.000	93	752784	10.0	10.1	
17 1,2-Dichlorobenzene	146	4.605	4.605	0.000	94	1115267	10.0	10.2	
18 2-Methylphenol	108	4.669	4.669	0.000	89	1048247	10.0	10.3	
19 2,2'-oxybis[1-chloropropan	45	4.698	4.698	0.000	95	1561147	10.0	10.6	
20 N-Methylaniline	106	4.810	4.810	0.000	91	1621407	10.0	10.4	
24 4-Methylphenol	108	4.816	4.816	0.000	83	1104223	10.0	10.2	
23 3 & 4 Methylphenol	108	4.816	4.816	0.000	92	1107566	10.0	10.3	
21 Acetophenone	105	4.819	4.819	0.000	88	1501662	10.0	9.94	
22 N-Nitrosodi-n-propylamine	70	4.819	4.819	0.000	91	827496	10.0	9.95	
25 Hexachloroethane	117	4.928	4.928	0.000	94	443653	10.0	10.2	
$ 27 Nitrobenzene-d5	82	4.964	4.964	0.000	87	1163884	10.0	9.25	
28 Nitrobenzene	123	4.983	4.983	0.000	94	504824	10.0	10.0	
29 n,n'-Dimethylaniline	120	4.986	4.986	0.000	91	1623819	10.0	10.5	
30 Isophorone	82	5.207	5.207	0.000	99	2265621	10.0	9.89	
32 2-Nitrophenol	139	5.287	5.287	0.000	87	468822	10.0	9.42	
33 2,4-Dimethylphenol	122	5.325	5.325	0.000	90	926993	10.0	9.78	
35 Benzoic acid	122	5.409	5.409	0.000	89	529344	10.0	9.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.415	5.415	0.000	99	1363754	10.0	9.61	
36 2,4-Dichlorophenol	162	5.514	5.514	0.000	94	814629	10.0	9.90	
37 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	94	885709	10.0	9.49	
* 38 Naphthalene-d8	136	5.652	5.652	0.000	100	2315742	8.00	8.00	
39 Naphthalene	128	5.671	5.671	0.000	99	2942915	10.0	9.72	
40 4-Chloroaniline	127	5.719	5.719	0.000	97	1246398	10.0	9.63	
41 Hexachlorobutadiene	225	5.799	5.799	0.000	96	486340	10.0	9.25	
43 4-Chloro-3-methylphenol	107	6.177	6.177	0.000	94	907964	10.0	9.64	
44 2-Methylnaphthalene	142	6.328	6.328	0.000	84	1828649	10.0	9.54	
45 1-Methylnaphthalene	142	6.421	6.421	0.000	93	1746494	10.0	9.80	
46 Hexachlorocyclopentadiene	237	6.488	6.488	0.000	97	569096	10.0	9.86	
47 1,2,4,5-Tetrachlorobenzene	216	6.491	6.491	0.000	96	850951	10.0	9.40	
48 2-tertbutyl-4-methylphenol	149	6.520	6.520	0.000	89	1249992	10.0	9.90	
49 2,4,6-Trichlorophenol	196	6.594	6.594	0.000	92	559698	10.0	10.0	
50 2,4,5-Trichlorophenol	196	6.626	6.626	0.000	96	626788	10.0	10.0	
$ 51 2-Fluorobiphenyl	172	6.677	6.677	0.000	98	2023967	10.0	9.29	
52 1,1'-Biphenyl	154	6.770	6.770	0.000	95	2209007	10.0	9.72	
53 2-Chloronaphthalene	162	6.789	6.789	0.000	97	1760014	10.0	9.76	
54 Phenyl ether	170	6.873	6.873	0.000	89	1155217	10.0	9.81	
55 2-Nitroaniline	65	6.882	6.882	0.000	94	693066	10.0	9.81	
57 1,3-Dimethylnaphthalene	156	6.997	6.997	0.000	90	1420653	10.0	10.1	
59 Dimethyl phthalate	163	7.061	7.061	0.000	98	2004771	10.0	9.60	
60 Coumarin	146	7.078	7.078	0.000	78	705489	10.0	10.1	
61 2,6-Dinitrotoluene	165	7.110	7.110	0.000	94	434687	10.0	9.77	
62 Acenaphthylene	152	7.180	7.180	0.000	97	2567348	10.0	9.70	
63 3-Nitroaniline	138	7.270	7.270	0.000	92	485146	10.0	10.0	
* 64 Acenaphthene-d10	164	7.315	7.315	0.000	95	1165707	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.340	7.340	0.000	98	1555296	10.0	9.88	
66 Acenaphthene	154	7.347	7.347	0.000	96	1552302	10.0	9.10	
67 2,4-Dinitrophenol	184	7.366	7.366	0.000	93	484494	20.0	19.0	
68 4-Nitrophenol	65	7.427	7.427	0.000	94	859792	20.0	20.2	
69 2,4-Dinitrotoluene	165	7.491	7.491	0.000	94	598887	10.0	10.7	
70 Dibenzofuran	168	7.507	7.507	0.000	96	2281987	10.0	9.62	
72 2,3,4,6-Tetrachlorophenol	232	7.626	7.626	0.000	94	499977	10.0	9.98	
73 Diethyl phthalate	149	7.728	7.728	0.000	97	1960845	10.0	9.24	
75 Fluorene	166	7.831	7.831	0.000	95	1820924	10.0	9.60	
74 4-Chlorophenyl phenyl ethe	204	7.831	7.831	0.000	78	897351	10.0	9.31	
76 4-Nitroaniline	138	7.847	7.847	0.000	93	506657	10.0	9.86	
77 4,6-Dinitro-2-methylphenol	198	7.876	7.876	0.000	83	588805	20.0	20.5	
78 N-Nitrosodiphenylamine	169	7.943	7.943	0.000	99	1337348	10.0	9.36	
79 1,2-Diphenylhydrazine	77	7.981	7.981	0.000	98	2225744	10.0	9.30	
$ 80 2,4,6-Tribromophenol	330	8.058	8.058	0.000	94	326393	10.0	9.88	
81 4-Bromophenyl phenyl ether	248	8.292	8.292	0.000	88	561185	10.0	9.38	
82 Hexachlorobenzene	284	8.356	8.356	0.000	97	632029	10.0	9.46	
84 Pentachlorophenol	266	8.539	8.539	0.000	94	777465	20.0	19.9	
85 Pentachloronitrobenzene	237	8.555	8.555	0.000	88	256290	10.0	9.96	
86 n-Octadecane	57	8.625	8.625	0.000	90	1344352	10.0	9.43	
* 87 Phenanthrene-d10	188	8.712	8.712	0.000	99	1959053	8.00	8.00	
88 Phenanthrene	178	8.734	8.734	0.000	98	2789729	10.0	9.76	
89 Anthracene	178	8.782	8.782	0.000	98	2843266	10.0	9.71	
90 Carbazole	167	8.933	8.933	0.000	96	2514654	10.0	9.76	
91 Di-n-butyl phthalate	149	9.272	9.272	0.000	100	3165099	10.0	9.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.858	9.858	0.000	98	2940284	10.0	9.99	
93 Benzidine	184	9.983	9.983	0.000	100	1842217	10.0	11.0	
94 Pyrene	202	10.070	10.070	0.000	97	2993166	10.0	8.79	
95 Bisphenol-A	213	10.118	10.118	0.000	98	1430721	10.0	10.3	
$ 96 Terphenyl-d14	244	10.224	10.224	0.000	100	2109796	10.0	8.29	
97 Butyl benzyl phthalate	149	10.727	10.727	0.000	97	1345723	10.0	9.50	
98 2,3,7,8-TCDD	320	10.820	10.820	0.000	54	4667	0.1000	0.1000	
99 Carbamazepine	193	10.832	10.832	0.000	93	1170429	10.0	10.5	
100 3,3'-Dichlorobenzidine	252	11.303	11.303	0.000	99	1097539	10.0	10.4	
101 Benzo[a]anthracene	228	11.326	11.326	0.000	99	2842742	10.0	9.45	
* 102 Chrysene-d12	240	11.339	11.339	0.000	99	1848660	8.00	8.00	
104 Chrysene	228	11.367	11.367	0.000	99	2677674	10.0	9.39	
103 Bis(2-ethylhexyl) phthalat	149	11.384	11.384	0.000	89	1877851	10.0	9.29	
105 Di-n-octyl phthalate	149	12.213	12.213	0.000	97	3249157	10.0	9.87	
106 Benzo[b]fluoranthene	252	12.694	12.694	0.000	99	2822227	10.0	10.2	
107 Benzo[k]fluoranthene	252	12.732	12.732	0.000	99	2917011	10.0	10.1	
108 Benzo[a]pyrene	252	13.142	13.142	0.000	97	2674075	10.0	10.2	
* 109 Perylene-d12	264	13.225	13.225	0.000	99	1928535	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.779	14.779	0.000	99	2489532	10.0	10.4	
111 Dibenz(a,h)anthracene	278	14.818	14.818	0.000	99	2544840	10.0	10.5	
112 Benzo[g,h,i]perylene	276	15.212	15.212	0.000	99	2425591	10.0	9.75	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL6_00055 Amount Added: 1.00 Units: mL

Report Date: 13-Sep-2019 10:37:05 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083242.D

Injection Date: 12-Sep-2019 09:48:30 Instrument ID: CBNAMS18 Operator ID:

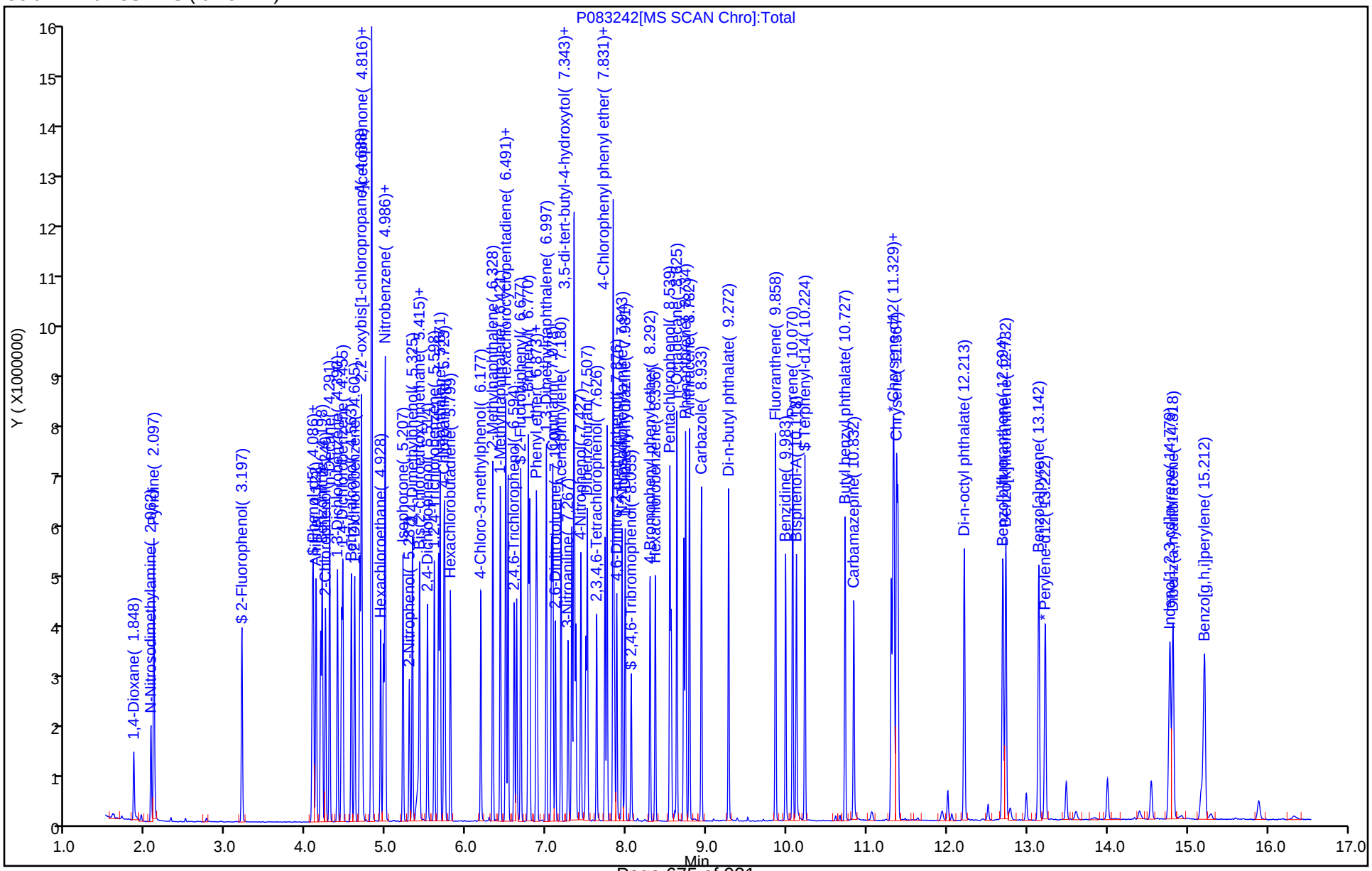
Lims ID: ICIS Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270LVI_18 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083243.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Sep-2019 11:12:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-003
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:10 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 11:50:04

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	1.844	1.848	-0.004	93	999720	24.0	22.1	
2 N-Nitrosodimethylamine	74	2.062	2.062	0.000	93	1664368	24.0	22.3	
3 Pyridine	79	2.094	2.097	-0.003	95	4675610	48.0	45.5	
$ 4 2-Fluorophenol	112	3.197	3.197	0.000	94	2516343	24.0	22.6	
$ 6 Phenol-d5	99	4.082	4.077	0.005	98	3224502	24.0	23.2	
7 Phenol	94	4.098	4.090	0.008	99	3250406	24.0	22.1	
8 Aniline	93	4.127	4.122	0.005	99	4114227	24.0	22.3	
9 Bis(2-chloroethyl)ether	93	4.185	4.179	0.006	97	2668582	24.0	22.4	
10 Benzonitrile	103	4.207	4.198	0.009	99	5043705	NC	NC	
11 2-Chlorophenol	128	4.242	4.240	0.002	93	2466244	24.0	22.6	
12 n-Decane	43	4.293	4.291	0.002	89	2426839	24.0	21.4	
13 1,3-Dichlorobenzene	146	4.393	4.390	0.003	93	2594245	24.0	22.1	
* 14 1,4-Dichlorobenzene-d4	152	4.441	4.442	-0.001	97	584358	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.457	4.458	-0.001	92	2609416	24.0	22.2	
16 Benzyl alcohol	108	4.569	4.563	0.006	93	1735409	24.0	22.9	
17 1,2-Dichlorobenzene	146	4.604	4.605	-0.001	94	2487373	24.0	22.5	
18 2-Methylphenol	108	4.674	4.669	0.005	91	2320895	24.0	22.6	
19 2,2'-oxybis[1-chloropropan	45	4.700	4.698	0.002	93	3117612	24.0	21.0	
20 N-Methylaniline	106	4.815	4.810	0.005	91	3472976	24.0	21.9	
24 4-Methylphenol	108	4.825	4.816	0.009	81	2258677	24.0	20.7	
23 3 & 4 Methylphenol	108	4.825	4.816	0.009	87	2263340	24.0	20.7	
21 Acetophenone	105	4.825	4.819	0.006	89	3091724	24.0	20.2	
22 N-Nitrosodi-n-propylamine	70	4.828	4.819	0.009	87	1791694	24.0	21.3	
25 Hexachloroethane	117	4.930	4.928	0.002	94	992194	24.0	22.4	
$ 27 Nitrobenzene-d5	82	4.969	4.964	0.005	86	2875691	24.0	23.5	
28 Nitrobenzene	123	4.988	4.983	0.005	94	1150414	24.0	22.6	
29 n,n'-Dimethylaniline	120	4.991	4.986	0.005	93	3445689	24.0	22.0	
30 Isophorone	82	5.215	5.207	0.008	99	5106289	24.0	22.9	
32 2-Nitrophenol	139	5.289	5.287	0.002	87	1199420	24.0	24.8	
33 2,4-Dimethylphenol	122	5.330	5.325	0.005	89	2094495	24.0	22.7	
35 Benzoic acid	122	5.452	5.409	0.043	90	1526666	24.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.420	5.415	0.005	99	3081742	24.0	22.3	
36 2,4-Dichlorophenol	162	5.519	5.514	0.005	95	1858612	24.0	23.2	
37 1,2,4-Trichlorobenzene	180	5.602	5.598	0.004	93	2009568	24.0	22.1	
* 38 Naphthalene-d8	136	5.654	5.652	0.002	99	2253791	8.00	8.00	
39 Naphthalene	128	5.673	5.671	0.002	98	6239545	24.0	21.2	
40 4-Chloroaniline	127	5.724	5.719	0.005	97	2797050	24.0	22.2	
41 Hexachlorobutadiene	225	5.801	5.799	0.002	96	1174236	24.0	23.0	
43 4-Chloro-3-methylphenol	107	6.185	6.177	0.008	96	2113379	24.0	23.1	
44 2-Methylnaphthalene	142	6.332	6.328	0.004	85	4028068	24.0	21.6	
45 1-Methylnaphthalene	142	6.425	6.421	0.004	92	3783073	24.0	21.8	
46 Hexachlorocyclopentadiene	237	6.492	6.488	0.004	97	1397925	24.0	24.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.496	6.491	0.005	96	1911812	24.0	21.7	
48 2-tertbutyl-4-methylphenol	149	6.525	6.520	0.005	89	2913269	24.0	23.7	
49 2,4,6-Trichlorophenol	196	6.598	6.594	0.004	88	1350346	24.0	24.8	
50 2,4,5-Trichlorophenol	196	6.630	6.626	0.004	95	1475259	24.0	24.3	
$ 51 2-Fluorobiphenyl	172	6.682	6.677	0.005	98	4544867	24.0	21.5	
52 1,1'-Biphenyl	154	6.775	6.770	0.005	96	4809021	24.0	21.8	
53 2-Chloronaphthalene	162	6.794	6.789	0.005	97	3851893	24.0	22.0	
54 Phenyl ether	170	6.874	6.873	0.001	89	2660057	24.0	23.3	
55 2-Nitroaniline	65	6.890	6.882	0.008	95	1656295	24.0	24.1	
57 1,3-Dimethylnaphthalene	156	7.002	6.997	0.005	91	3071255	24.0	22.6	
59 Dimethyl phthalate	163	7.069	7.061	0.008	98	4477876	24.0	22.1	
60 Coumarin	146	7.085	7.078	0.007	76	1534033	24.0	22.6	
61 2,6-Dinitrotoluene	165	7.117	7.110	0.007	94	1058407	24.0	24.4	
62 Acenaphthylene	152	7.185	7.180	0.005	97	5813856	24.0	22.6	
63 3-Nitroaniline	138	7.277	7.270	0.007	92	1124214	24.0	23.8	
* 64 Acenaphthene-d10	164	7.319	7.315	0.004	95	1132282	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.345	7.340	0.005	98	3298496	24.0	21.6	
66 Acenaphthene	154	7.351	7.347	0.004	96	3309568	24.0	20.0	
67 2,4-Dinitrophenol	184	7.374	7.366	0.008	93	1245478	48.0	48.7	
68 4-Nitrophenol	65	7.441	7.427	0.014	94	1941356	48.0	46.9	
69 2,4-Dinitrotoluene	165	7.499	7.491	0.008	93	1358018	24.0	24.9	
70 Dibenzofuran	168	7.515	7.507	0.008	95	5053167	24.0	21.9	
72 2,3,4,6-Tetrachlorophenol	232	7.630	7.626	0.004	94	1186081	24.0	24.4	
73 Diethyl phthalate	149	7.736	7.728	0.008	97	4520433	24.0	21.9	
75 Fluorene	166	7.835	7.831	0.004	95	3831918	24.0	20.8	
74 4-Chlorophenyl phenyl ethe	204	7.835	7.831	0.004	86	2001368	24.0	21.4	
76 4-Nitroaniline	138	7.861	7.847	0.014	92	1135197	24.0	22.7	
77 4,6-Dinitro-2-methylphenol	198	7.889	7.876	0.013	83	1523252	48.0	58.1	
78 N-Nitrosodiphenylamine	169	7.950	7.943	0.007	99	3063564	24.0	23.5	
79 1,2-Diphenylhydrazine	77	7.986	7.981	0.005	99	4989807	24.0	22.9	
$ 80 2,4,6-Tribromophenol	330	8.063	8.058	0.005	94	799381	24.0	24.9	
81 4-Bromophenyl phenyl ether	248	8.296	8.292	0.004	88	1258148	24.0	23.1	
82 Hexachlorobenzene	284	8.364	8.356	0.008	97	1378831	24.0	22.7	
84 Pentachlorophenol	266	8.546	8.539	0.007	93	1807986	48.0	50.8	
85 Pentachloronitrobenzene	237	8.562	8.555	0.007	89	611966	24.0	26.1	
86 n-Octadecane	57	8.630	8.625	0.005	91	2884854	24.0	22.2	
* 87 Phenanthrene-d10	188	8.716	8.712	0.004	99	1783511	8.00	8.00	
88 Phenanthrene	178	8.742	8.734	0.008	98	5658521	24.0	21.7	
89 Anthracene	178	8.790	8.782	0.008	98	5834829	24.0	21.9	
90 Carbazole	167	8.941	8.933	0.008	96	5008850	24.0	21.4	
91 Di-n-butyl phthalate	149	9.277	9.272	0.005	99	6478180	24.0	21.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.862	9.858	0.004	97	5569361	24.0	20.8	
93 Benzidine	184	9.987	9.983	0.004	99	3266126	24.0	21.4	
94 Pyrene	202	10.077	10.070	0.007	97	5684284	24.0	25.6	
95 Bisphenol-A	213	10.125	10.118	0.007	98	2347453	24.0	26.0	
$ 96 Terphenyl-d14	244	10.231	10.224	0.007	98	4317934	24.0	26.1	
97 Butyl benzyl phthalate	149	10.730	10.727	0.003	98	2388277	24.0	25.9	
99 Carbamazepine	193	10.843	10.832	0.011	93	1807507	24.0	24.3	
100 3,3'-Dichlorobenzidine	252	11.310	11.303	0.007	99	1713724	24.0	25.0	
101 Benzo[a]anthracene	228	11.333	11.326	0.007	98	4411734	24.0	22.5	
* 102 Chrysene-d12	240	11.342	11.339	0.003	99	1203816	8.00	8.00	
104 Chrysene	228	11.374	11.367	0.007	98	4041593	24.0	21.8	
103 Bis(2-ethylhexyl) phthalat	149	11.390	11.384	0.006	89	3268451	24.0	24.7	
105 Di-n-octyl phthalate	149	12.219	12.213	0.006	97	5102827	24.0	26.3	
106 Benzo[b]fluoranthene	252	12.703	12.694	0.009	98	3973557	24.0	24.4	
107 Benzo[k]fluoranthene	252	12.742	12.732	0.010	99	3920555	24.0	23.1	
108 Benzo[a]pyrene	252	13.155	13.142	0.013	98	3795254	24.0	24.5	
* 109 Perylene-d12	264	13.228	13.225	0.003	99	1136773	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.794	14.779	0.015	99	3803283	24.0	27.0	
111 Dibenz(a,h)anthracene	278	14.833	14.818	0.015	98	3603949	24.0	25.2	
112 Benzo[g,h,i]perylene	276	15.230	15.212	0.018	98	3948626	24.0	26.9	
S 119 Total Cresols	1				0			43.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL8_00020 Amount Added: 1.00 Units: mL

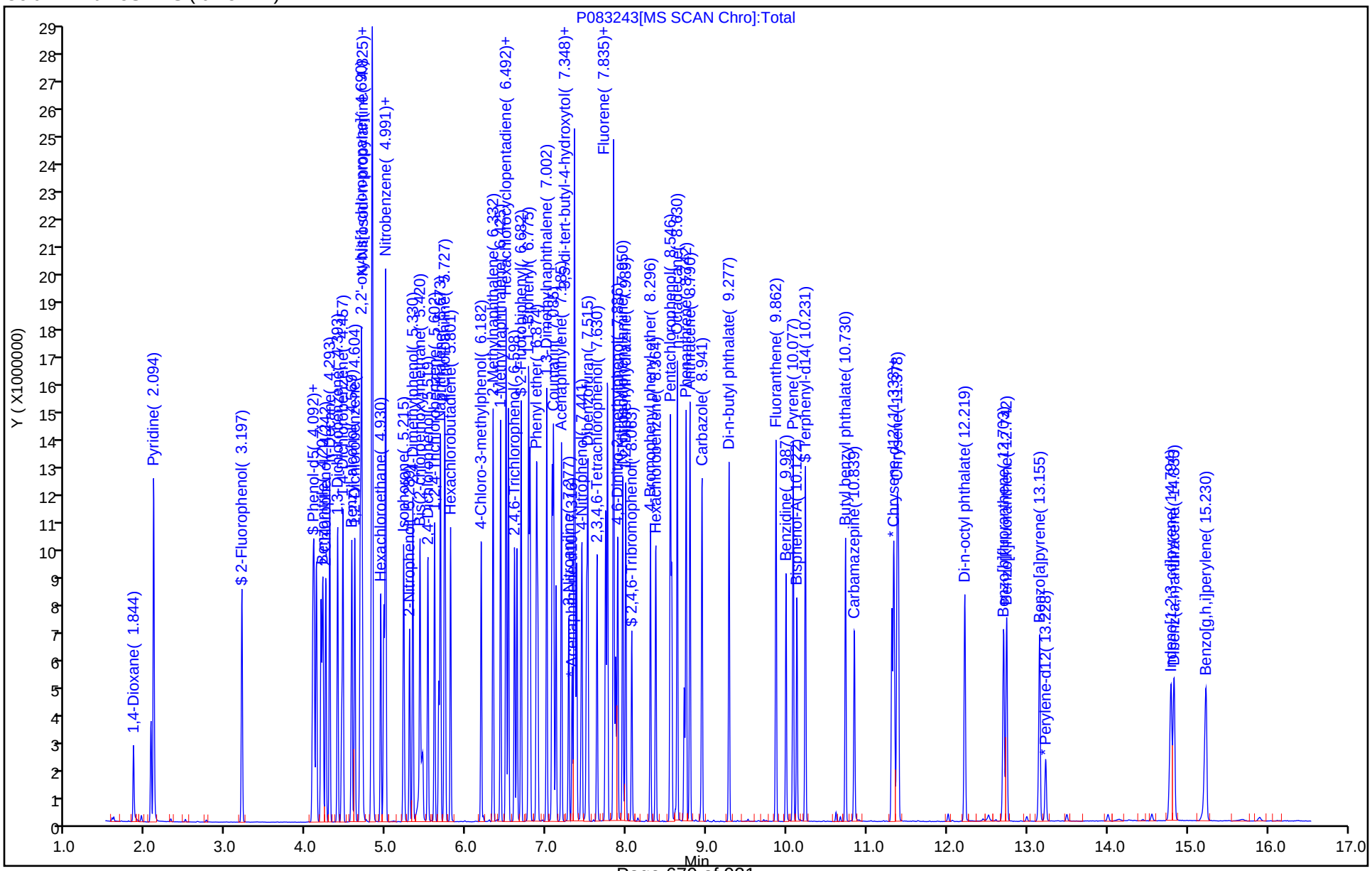
Report Date: 13-Sep-2019 10:37:12 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083243.D

Injection Date:	12-Sep-2019 11:12:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD24			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083244.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Sep-2019 11:33:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-004
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:17 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 11:59:45

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.841	1.848	-0.007	95	696409	16.0	14.6	
	2 N-Nitrosodimethylamine	74	2.059	2.062	-0.003	92	1216548	16.0	15.5	
	3 Pyridine	79	2.094	2.097	-0.003	95	3408462	32.0	31.5	
$	4 2-Fluorophenol	112	3.193	3.197	-0.004	93	1832557	16.0	15.7	
$	6 Phenol-d5	99	4.078	4.077	0.001	98	2351226	16.0	16.1	
	7 Phenol	94	4.094	4.090	0.004	98	2397626	16.0	15.5	
	8 Aniline	93	4.123	4.122	0.001	100	3026754	16.0	15.6	
	9 Bis(2-chloroethyl)ether	93	4.180	4.179	0.001	96	1937561	16.0	15.5	
	10 Benzonitrile	103	4.203	4.198	0.005	99	3657931	NC	NC	
	11 2-Chlorophenol	128	4.241	4.240	0.001	93	1810065	16.0	15.8	
	12 n-Decane	43	4.289	4.291	-0.002	88	1764714	16.0	14.8	
	13 1,3-Dichlorobenzene	146	4.388	4.390	-0.002	96	1890607	16.0	15.3	
*	14 1,4-Dichlorobenzene-d4	152	4.440	4.442	-0.002	97	615154	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.456	4.458	-0.002	92	1911195	16.0	15.5	
	16 Benzyl alcohol	108	4.564	4.563	0.001	93	1291377	16.0	16.2	
	17 1,2-Dichlorobenzene	146	4.603	4.605	-0.002	93	1818632	16.0	15.7	
	18 2-Methylphenol	108	4.670	4.669	0.001	89	1673181	16.0	15.5	
	19 2,2'-oxybis[1-chloropropan	45	4.699	4.698	0.001	93	2403611	16.0	15.4	
	20 N-Methylaniline	106	4.811	4.810	0.001	93	2560461	16.0	15.4	
	24 4-Methylphenol	108	4.820	4.816	0.004	82	1676933	16.0	14.6	
	23 3 & 4 Methylphenol	108	4.820	4.816	0.004	88	1680413	16.0	14.6	
	21 Acetophenone	105	4.823	4.819	0.004	87	2390156	16.0	14.8	
	22 N-Nitrosodi-n-propylamine	70	4.823	4.819	0.004	86	1348888	16.0	15.2	
	25 Hexachloroethane	117	4.929	4.928	0.001	95	744026	16.0	16.0	
$	27 Nitrobenzene-d5	82	4.964	4.964	0.000	87	2087530	16.0	15.9	
	28 Nitrobenzene	123	4.983	4.983	0.000	95	872948	16.0	16.3	
	29 n,n'-Dimethylaniline	120	4.990	4.986	0.004	92	2564165	16.0	15.5	
	30 Isophorone	82	5.211	5.207	0.004	99	3782011	16.0	15.9	
	32 2-Nitrophenol	139	5.287	5.287	0.000	86	864638	16.0	16.7	
	33 2,4-Dimethylphenol	122	5.329	5.325	0.004	89	1533639	16.0	15.6	
	35 Benzoic acid	122	5.435	5.409	0.026	86	1011957	16.0	16.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.415	5.415	0.000	99	2289119	16.0	15.5	
36 2,4-Dichlorophenol	162	5.515	5.514	0.001	94	1357079	16.0	15.8	
37 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	93	1464590	16.0	15.1	
* 38 Naphthalene-d8	136	5.652	5.652	0.000	100	2410194	8.00	8.00	
39 Naphthalene	128	5.671	5.671	0.000	99	4709414	16.0	14.9	
40 4-Chloroaniline	127	5.719	5.719	0.000	95	2093252	16.0	15.5	
41 Hexachlorobutadiene	225	5.799	5.799	0.000	96	888526	16.0	16.3	
43 4-Chloro-3-methylphenol	107	6.180	6.177	0.003	94	1549711	16.0	15.8	
44 2-Methylnaphthalene	142	6.330	6.328	0.002	84	3035029	16.0	15.2	
45 1-Methylnaphthalene	142	6.423	6.421	0.002	92	2847964	16.0	15.4	
46 Hexachlorocyclopentadiene	237	6.490	6.488	0.002	97	1018674	16.0	17.0	
47 1,2,4,5-Tetrachlorobenzene	216	6.494	6.491	0.003	96	1407914	16.0	15.0	
48 2-tertbutyl-4-methylphenol	149	6.519	6.520	-0.001	89	2122865	16.0	16.2	
49 2,4,6-Trichlorophenol	196	6.596	6.594	0.002	89	1015210	16.0	17.5	
50 2,4,5-Trichlorophenol	196	6.628	6.626	0.002	95	1044556	16.0	16.1	
$ 51 2-Fluorobiphenyl	172	6.680	6.677	0.003	97	3410233	16.0	15.1	
52 1,1'-Biphenyl	154	6.772	6.770	0.002	96	3559227	16.0	15.1	
53 2-Chloronaphthalene	162	6.788	6.789	-0.001	97	2908603	16.0	15.5	
54 Phenyl ether	170	6.872	6.873	-0.001	90	1915209	16.0	15.7	
55 2-Nitroaniline	65	6.885	6.882	0.003	94	1234207	16.0	16.8	
57 1,3-Dimethylnaphthalene	156	6.997	6.997	0.000	91	2264227	16.0	15.6	
59 Dimethyl phthalate	163	7.064	7.061	0.003	97	3385632	16.0	15.6	
60 Coumarin	146	7.080	7.078	0.002	76	1132268	16.0	15.6	
61 2,6-Dinitrotoluene	165	7.115	7.110	0.005	93	757584	16.0	16.3	
62 Acenaphthylene	152	7.182	7.180	0.002	97	4351920	16.0	15.8	
63 3-Nitroaniline	138	7.272	7.270	0.002	93	844740	16.0	16.8	
* 64 Acenaphthene-d10	164	7.317	7.315	0.002	96	1210702	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.343	7.340	0.003	98	2456503	16.0	15.0	
66 Acenaphthene	154	7.346	7.347	-0.001	96	2535033	16.0	14.3	
67 2,4-Dinitrophenol	184	7.368	7.366	0.002	93	902953	32.0	33.3	
68 4-Nitrophenol	65	7.432	7.427	0.005	95	1426171	32.0	32.2	
69 2,4-Dinitrotoluene	165	7.493	7.491	0.002	94	1024984	16.0	17.6	
70 Dibenzofuran	168	7.509	7.507	0.002	96	3789890	16.0	15.4	
72 2,3,4,6-Tetrachlorophenol	232	7.624	7.626	-0.002	93	848866	16.0	16.3	
73 Diethyl phthalate	149	7.733	7.728	0.005	97	3382937	16.0	15.3	
75 Fluorene	166	7.833	7.831	0.002	93	2915682	16.0	14.8	
74 4-Chlorophenyl phenyl ethe	204	7.833	7.831	0.002	78	1494856	16.0	14.9	
76 4-Nitroaniline	138	7.852	7.847	0.005	92	857201	16.0	16.1	
77 4,6-Dinitro-2-methylphenol	198	7.881	7.876	0.005	83	1096376	32.0	38.0	
78 N-Nitrosodiphenylamine	169	7.945	7.943	0.002	99	2290648	16.0	16.0	
79 1,2-Diphenylhydrazine	77	7.983	7.981	0.002	99	3809464	16.0	15.9	
$ 80 2,4,6-Tribromophenol	330	8.057	8.058	-0.001	95	608066	16.0	17.7	
81 4-Bromophenyl phenyl ether	248	8.291	8.292	-0.001	88	955636	16.0	16.0	
82 Hexachlorobenzene	284	8.358	8.356	0.002	97	1042055	16.0	15.6	
84 Pentachlorophenol	266	8.540	8.539	0.001	93	1324316	32.0	33.8	
85 Pentachloronitrobenzene	237	8.557	8.555	0.002	88	433320	16.0	16.8	
86 n-Octadecane	57	8.627	8.625	0.002	91	2271436	16.0	15.9	
* 87 Phenanthrene-d10	188	8.714	8.712	0.002	99	1961150	8.00	8.00	
88 Phenanthrene	178	8.736	8.734	0.002	98	4363818	16.0	15.3	
89 Anthracene	178	8.784	8.782	0.002	98	4541987	16.0	15.5	
90 Carbazole	167	8.935	8.933	0.002	96	3900466	16.0	15.1	
91 Di-n-butyl phthalate	149	9.274	9.272	0.002	99	5084057	16.0	15.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.859	9.858	0.001	97	4313417	16.0	14.6	
93 Benzidine	184	9.984	9.983	0.001	99	2579365	16.0	15.4	
94 Pyrene	202	10.074	10.070	0.004	97	4469518	16.0	17.3	
95 Bisphenol-A	213	10.119	10.118	0.001	98	1782225	16.0	16.9	
$ 96 Terphenyl-d14	244	10.224	10.224	0.000	98	3457342	16.0	17.9	
97 Butyl benzyl phthalate	149	10.727	10.727	0.000	98	1871946	16.0	17.4	
99 Carbamazepine	193	10.836	10.832	0.004	93	1330918	16.0	15.5	
100 3,3'-Dichlorobenzidine	252	11.303	11.303	0.000	99	1299439	16.0	16.2	
101 Benzo[a]anthracene	228	11.326	11.326	0.000	99	3555894	16.0	15.5	
* 102 Chrysene-d12	240	11.339	11.339	0.000	99	1406776	8.00	8.00	
104 Chrysene	228	11.367	11.367	0.000	99	3264477	16.0	15.0	
103 Bis(2-ethylhexyl) phthalat	149	11.384	11.384	0.000	88	2538539	16.0	16.4	
105 Di-n-octyl phthalate	149	12.212	12.213	-0.001	97	3954248	16.0	18.1	
106 Benzo[b]fluoranthene	252	12.696	12.694	0.002	98	2998538	16.0	16.3	
107 Benzo[k]fluoranthene	252	12.734	12.732	0.002	99	3082996	16.0	16.1	
108 Benzo[a]pyrene	252	13.144	13.142	0.002	97	2815635	16.0	16.1	
* 109 Perylene-d12	264	13.224	13.225	-0.001	98	1281212	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.780	14.779	0.001	99	2706128	16.0	17.0	
111 Dibenz(a,h)anthracene	278	14.822	14.818	0.004	98	2657167	16.0	16.5	
112 Benzo[g,h,i]perylene	276	15.216	15.212	0.004	98	2669286	16.0	16.2	
S 119 Total Cresols	1				0			30.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL7_00020 Amount Added: 1.00 Units: mL

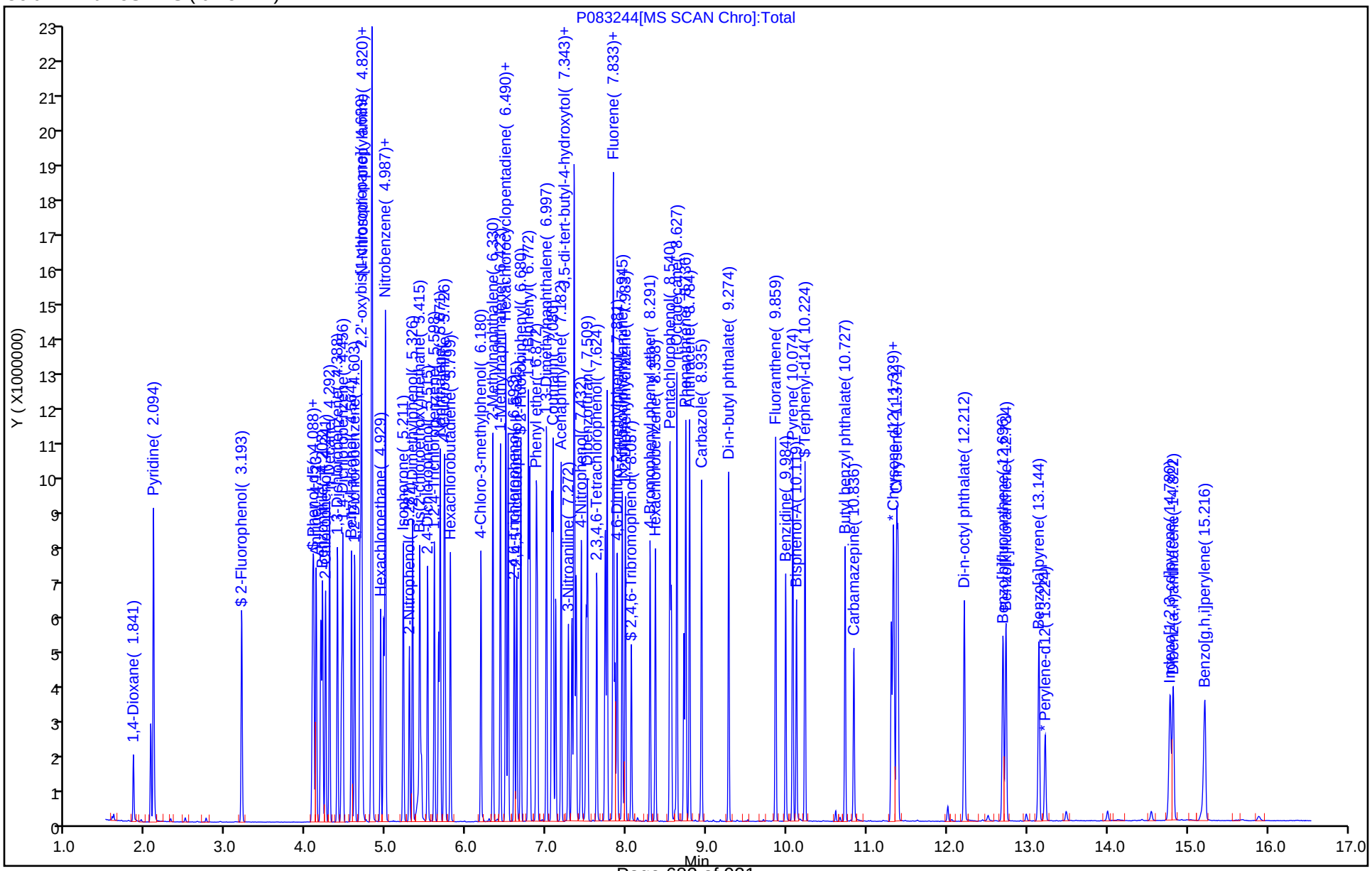
Report Date: 13-Sep-2019 10:37:18 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083244.D

Injection Date:	12-Sep-2019 11:33:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD16			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083245.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Sep-2019 11:54:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-005
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:24 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 12:18:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.851	1.848	0.003	93	191946	4.00	4.28	
2 N-Nitrosodimethylamine	74	2.065	2.062	0.003	93	311534	4.00	4.22	
3 Pyridine	79	2.100	2.097	0.003	97	836984	8.00	8.23	
$ 4 2-Fluorophenol	112	3.199	3.197	0.002	94	416664	4.00	3.78	
$ 6 Phenol-d5	99	4.072	4.077	-0.005	97	544915	4.00	3.96	
7 Phenol	94	4.084	4.090	-0.006	99	609931	4.00	4.18	
8 Aniline	93	4.123	4.122	0.001	99	766272	4.00	4.20	
9 Bis(2-chloroethyl)ether	93	4.177	4.179	-0.002	98	499564	4.00	4.24	
10 Benzonitrile	103	4.196	4.198	-0.002	99	918067	NC	NC	
11 2-Chlorophenol	128	4.238	4.240	-0.002	94	448483	4.00	4.16	
12 n-Decane	43	4.289	4.291	-0.002	89	457796	4.00	4.08	
13 1,3-Dichlorobenzene	146	4.388	4.390	-0.002	93	476708	4.00	4.11	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.442	-0.003	97	578557	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.455	4.458	-0.003	92	495840	4.00	4.27	
16 Benzyl alcohol	108	4.561	4.563	-0.002	92	309824	4.00	4.13	
17 1,2-Dichlorobenzene	146	4.602	4.605	-0.003	94	475907	4.00	4.36	
18 2-Methylphenol	108	4.666	4.669	-0.003	87	424806	4.00	4.18	
19 2,2'-oxybis[1-chloropropan	45	4.695	4.698	-0.003	94	626243	4.00	4.26	
20 N-Methylaniline	106	4.807	4.810	-0.003	93	653891	4.00	4.17	
24 4-Methylphenol	108	4.813	4.816	-0.003	84	471711	4.00	4.36	
23 3 & 4 Methylphenol	108	4.813	4.816	-0.003	93	471711	4.00	4.36	
21 Acetophenone	105	4.817	4.819	-0.002	87	648736	4.00	4.28	
22 N-Nitrosodi-n-propylamine	70	4.817	4.819	-0.002	74	342006	4.00	4.10	
25 Hexachloroethane	117	4.929	4.928	0.001	94	183403	4.00	4.19	
$ 27 Nitrobenzene-d5	82	4.961	4.964	-0.003	86	482510	4.00	3.94	
28 Nitrobenzene	123	4.980	4.983	-0.003	94	213627	4.00	4.24	
29 n,n'-Dimethylaniline	120	4.986	4.986	0.000	93	653817	4.00	4.21	
30 Isophorone	82	5.204	5.207	-0.003	99	952667	4.00	4.27	
32 2-Nitrophenol	139	5.283	5.287	-0.004	86	201095	4.00	4.15	
33 2,4-Dimethylphenol	122	5.322	5.325	-0.003	90	387326	4.00	4.20	
35 Benzoic acid	122	5.386	5.409	-0.023	89	182109	4.00	3.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.411	5.415	-0.004	98	581259	4.00	4.20	
36 2,4-Dichlorophenol	162	5.511	5.514	-0.004	94	347166	4.00	4.33	
37 1,2,4-Trichlorobenzene	180	5.597	5.598	-0.001	94	366438	4.00	4.03	
* 38 Naphthalene-d8	136	5.648	5.652	-0.004	99	2255812	8.00	8.00	
39 Naphthalene	128	5.670	5.671	-0.001	99	1272341	4.00	4.31	
40 4-Chloroaniline	127	5.718	5.719	-0.001	95	535562	4.00	4.25	
41 Hexachlorobutadiene	225	5.798	5.799	-0.001	95	218777	4.00	4.25	
43 4-Chloro-3-methylphenol	107	6.176	6.177	-0.001	95	388463	4.00	4.23	
44 2-Methylnaphthalene	142	6.326	6.328	-0.002	84	790131	4.00	4.23	
45 1-Methylnaphthalene	142	6.422	6.421	0.001	93	742796	4.00	4.28	
46 Hexachlorocyclopentadiene	237	6.486	6.488	-0.002	95	231900	4.00	4.09	
47 1,2,4,5-Tetrachlorobenzene	216	6.489	6.491	-0.002	97	379051	4.00	4.26	
48 2-tertbutyl-4-methylphenol	149	6.518	6.520	-0.002	88	509912	4.00	4.15	
49 2,4,6-Trichlorophenol	196	6.595	6.594	0.001	87	242532	4.00	4.41	
50 2,4,5-Trichlorophenol	196	6.624	6.626	-0.002	97	250612	4.00	4.07	
$ 51 2-Fluorobiphenyl	172	6.675	6.677	-0.002	98	838204	4.00	3.92	
52 1,1'-Biphenyl	154	6.768	6.770	-0.002	96	936728	4.00	4.19	
53 2-Chloronaphthalene	162	6.787	6.789	-0.002	97	770405	4.00	4.35	
54 Phenyl ether	170	6.870	6.873	-0.003	89	485036	4.00	4.19	
55 2-Nitroaniline	65	6.880	6.882	-0.002	95	285526	4.00	4.11	
57 1,3-Dimethylnaphthalene	156	6.995	6.997	-0.002	91	567218	4.00	4.12	
59 Dimethyl phthalate	163	7.056	7.061	-0.005	98	905017	4.00	4.41	
60 Coumarin	146	7.072	7.078	-0.006	77	286526	4.00	4.22	
61 2,6-Dinitrotoluene	165	7.107	7.110	-0.003	94	190571	4.00	4.41	
62 Acenaphthylene	152	7.177	7.180	-0.003	97	1104103	4.00	4.25	
63 3-Nitroaniline	138	7.264	7.270	-0.006	93	207980	4.00	4.36	
* 64 Acenaphthene-d10	164	7.312	7.315	-0.003	96	1145223	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.337	7.340	-0.003	97	622351	4.00	4.02	
66 Acenaphthene	154	7.344	7.347	-0.003	96	759322	4.00	4.53	
67 2,4-Dinitrophenol	184	7.360	7.366	-0.006	90	188229	8.00	8.03	
68 4-Nitrophenol	65	7.424	7.427	-0.003	93	358136	8.00	8.55	
69 2,4-Dinitrotoluene	165	7.488	7.491	-0.003	91	248778	4.00	4.51	
70 Dibenzofuran	168	7.504	7.507	-0.003	96	990352	4.00	4.25	
72 2,3,4,6-Tetrachlorophenol	232	7.622	7.626	-0.004	93	206703	4.00	4.20	
73 Diethyl phthalate	149	7.725	7.728	-0.003	98	990931	4.00	4.75	
75 Fluorene	166	7.827	7.831	-0.004	95	790018	4.00	4.24	
74 4-Chlorophenyl phenyl ethe	204	7.830	7.831	-0.001	78	410992	4.00	4.34	
76 4-Nitroaniline	138	7.840	7.847	-0.007	95	201869	4.00	4.00	
77 4,6-Dinitro-2-methylphenol	198	7.872	7.876	-0.004	79	219502	8.00	7.72	
78 N-Nitrosodiphenylamine	169	7.939	7.943	-0.004	99	589002	4.00	4.17	
79 1,2-Diphenylhydrazine	77	7.978	7.981	-0.003	99	971640	4.00	4.11	
$ 80 2,4,6-Tribromophenol	330	8.054	8.058	-0.004	94	136042	4.00	4.19	
81 4-Bromophenyl phenyl ether	248	8.288	8.292	-0.004	88	246589	4.00	4.17	
82 Hexachlorobenzene	284	8.355	8.356	-0.001	96	263376	4.00	3.99	
84 Pentachlorophenol	266	8.534	8.539	-0.005	93	308916	8.00	7.99	
85 Pentachloronitrobenzene	237	8.550	8.555	-0.005	88	108265	4.00	4.26	
86 n-Octadecane	57	8.624	8.625	-0.001	89	591623	4.00	4.20	
* 87 Phenanthrene-d10	188	8.711	8.712	-0.001	99	1936158	8.00	8.00	
88 Phenanthrene	178	8.733	8.734	-0.001	98	1199981	4.00	4.25	
89 Anthracene	178	8.781	8.782	-0.001	98	1229057	4.00	4.25	
90 Carbazole	167	8.932	8.933	-0.001	96	1078115	4.00	4.24	
91 Di-n-butyl phthalate	149	9.271	9.272	-0.002	99	1424178	4.00	4.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.856	9.858	-0.002	98	1278698	4.00	4.39	
93 Benzidine	184	9.981	9.983	-0.003	99	720245	4.00	4.35	
94 Pyrene	202	10.067	10.070	-0.003	97	1299250	4.00	4.16	
95 Bisphenol-A	213	10.115	10.118	-0.003	98	514407	4.00	4.05	
$ 96 Terphenyl-d14	244	10.221	10.224	-0.003	98	971859	4.00	4.16	
97 Butyl benzyl phthalate	149	10.723	10.727	-0.004	98	556831	4.00	4.28	
99 Carbamazepine	193	10.828	10.832	-0.004	94	365997	4.00	3.85	
100 3,3'-Dichlorobenzidine	252	11.299	11.303	-0.004	99	399347	4.00	4.13	
101 Benzo[a]anthracene	228	11.321	11.326	-0.005	98	1145562	4.00	4.15	
* 102 Chrysene-d12	240	11.334	11.339	-0.005	99	1696875	8.00	8.00	
104 Chrysene	228	11.363	11.367	-0.004	99	1065369	4.00	4.07	
103 Bis(2-ethylhexyl) phthalat	149	11.382	11.384	-0.002	88	772565	4.00	4.21	
105 Di-n-octyl phthalate	149	12.208	12.213	-0.005	97	1162914	4.00	4.27	
106 Benzo[b]fluoranthene	252	12.688	12.694	-0.006	98	998332	4.00	4.36	
107 Benzo[k]fluoranthene	252	12.726	12.732	-0.006	99	1054381	4.00	4.42	
108 Benzo[a]pyrene	252	13.136	13.142	-0.006	98	917554	4.00	4.21	
* 109 Perylene-d12	264	13.219	13.225	-0.006	99	1596497	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.768	14.779	-0.011	99	806303	4.00	4.07	
111 Dibenz(a,h)anthracene	278	14.809	14.818	-0.009	98	814748	4.00	4.05	
112 Benzo[g,h,i]perylene	276	15.197	15.212	-0.015	98	793882	4.00	3.86	
S 119 Total Cresols	1				0			8.54	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL5_00028 Amount Added: 1.00 Units: mL

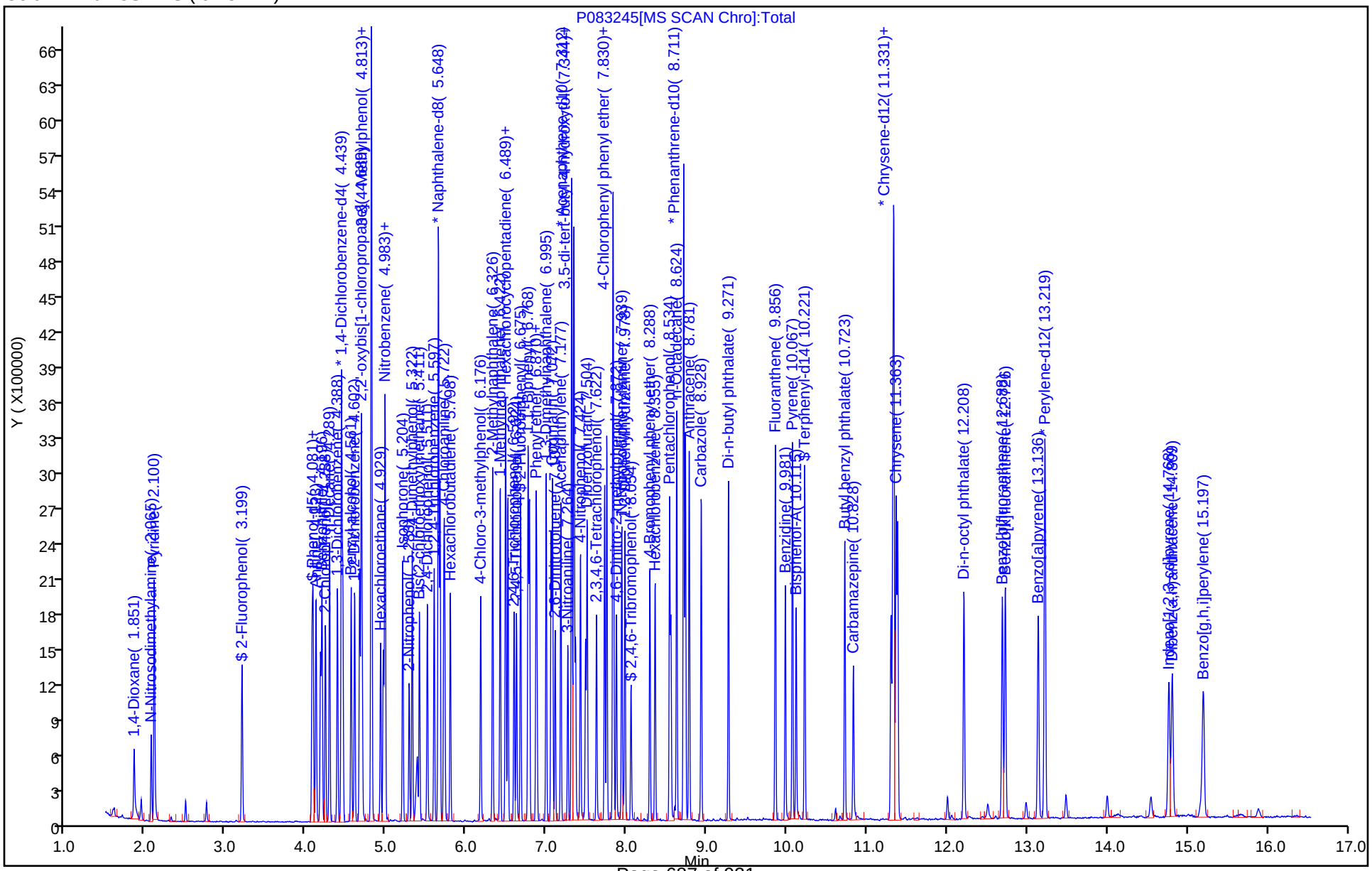
Report Date: 13-Sep-2019 10:37:24 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083245.D

Injection Date:	12-Sep-2019 11:54:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083246.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Sep-2019 12:15:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-006
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:29 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 12:44:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.851	1.848	0.003	93	93588	2.00	2.12	
2 N-Nitrosodimethylamine	74	2.065	2.062	0.003	95	149666	2.00	2.06	
3 Pyridine	79	2.103	2.097	0.006	98	428545	4.00	4.29	
$ 4 2-Fluorophenol	112	3.196	3.197	-0.001	93	218154	2.00	2.02	
$ 6 Phenol-d5	99	4.071	4.077	-0.006	96	257583	2.00	1.90	
7 Phenol	94	4.084	4.090	-0.006	98	298297	2.00	2.08	
8 Aniline	93	4.122	4.122	0.000	99	371450	2.00	2.07	
9 Bis(2-chloroethyl)ether	93	4.176	4.179	-0.003	99	245673	2.00	2.12	
10 Benzonitrile	103	4.196	4.198	-0.002	98	440554	NC	NC	
11 2-Chlorophenol	128	4.237	4.240	-0.003	93	215661	2.00	2.03	
12 n-Decane	43	4.291	4.291	0.000	89	234098	2.00	2.12	
13 1,3-Dichlorobenzene	146	4.387	4.390	-0.003	93	250949	2.00	2.20	
* 14 1,4-Dichlorobenzene-d4	152	4.442	4.442	0.000	97	568721	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.458	4.458	0.000	95	240776	2.00	2.11	
16 Benzyl alcohol	108	4.560	4.563	-0.003	94	155335	2.00	2.10	
17 1,2-Dichlorobenzene	146	4.605	4.605	0.000	93	221646	2.00	2.06	
18 2-Methylphenol	108	4.665	4.669	-0.004	90	215133	2.00	2.15	
19 2,2'-oxybis[1-chloropropan	45	4.694	4.698	-0.004	94	300765	2.00	2.08	
20 N-Methylaniline	106	4.809	4.810	-0.001	92	321220	2.00	2.09	
24 4-Methylphenol	108	4.812	4.816	-0.004	81	232831	2.00	2.19	
23 3 & 4 Methylphenol	108	4.812	4.816	-0.004	94	232831	2.00	2.19	
21 Acetophenone	105	4.816	4.819	-0.003	87	326613	2.00	2.19	
22 N-Nitrosodi-n-propylamine	70	4.816	4.819	-0.003	80	177430	2.00	2.16	
25 Hexachloroethane	117	4.928	4.928	0.000	94	84171	2.00	1.95	
$ 27 Nitrobenzene-d5	82	4.960	4.964	-0.004	86	242329	2.00	2.03	
28 Nitrobenzene	123	4.979	4.983	-0.004	94	101776	2.00	2.05	
29 n,n'-Dimethylaniline	120	4.985	4.986	-0.001	92	324891	2.00	2.13	
30 Isophorone	82	5.206	5.207	-0.001	99	441097	2.00	2.03	
32 2-Nitrophenol	139	5.286	5.287	-0.001	91	96736	2.00	2.05	
33 2,4-Dimethylphenol	122	5.324	5.325	-0.001	91	194772	2.00	2.16	
35 Benzoic acid	122	5.372	5.409	-0.037	90	73666	2.00	1.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.413	5.415	-0.002	98	282978	2.00	2.10	
36 2,4-Dichlorophenol	162	5.513	5.514	-0.001	94	168304	2.00	2.15	
37 1,2,4-Trichlorobenzene	180	5.596	5.598	-0.002	92	189544	2.00	2.14	
* 38 Naphthalene-d8	136	5.650	5.652	-0.002	100	2199959	8.00	8.00	
39 Naphthalene	128	5.669	5.671	-0.002	99	617086	2.00	2.14	
40 4-Chloroaniline	127	5.717	5.719	-0.002	95	263714	2.00	2.14	
41 Hexachlorobutadiene	225	5.797	5.799	-0.002	95	109852	2.00	2.17	
43 4-Chloro-3-methylphenol	107	6.177	6.177	0.000	92	192209	2.00	2.15	
44 2-Methylnaphthalene	142	6.328	6.328	0.000	85	395535	2.00	2.17	
45 1-Methylnaphthalene	142	6.420	6.421	-0.001	93	358720	2.00	2.12	
46 Hexachlorocyclopentadiene	237	6.488	6.488	0.000	94	108915	2.00	1.96	
47 1,2,4,5-Tetrachlorobenzene	216	6.491	6.491	0.000	96	188247	2.00	2.16	
48 2-tertbutyl-4-methylphenol	149	6.516	6.520	-0.004	88	245850	2.00	2.05	
49 2,4,6-Trichlorophenol	196	6.593	6.594	-0.001	87	107950	2.00	2.00	
50 2,4,5-Trichlorophenol	196	6.625	6.626	-0.001	94	119442	2.00	1.98	
$ 51 2-Fluorobiphenyl	172	6.676	6.677	-0.001	98	413778	2.00	1.97	
52 1,1'-Biphenyl	154	6.769	6.770	-0.001	95	460601	2.00	2.10	
53 2-Chloronaphthalene	162	6.785	6.789	-0.004	97	364556	2.00	2.10	
54 Phenyl ether	170	6.868	6.873	-0.005	89	225210	2.00	1.98	
55 2-Nitroaniline	65	6.878	6.882	-0.004	92	144490	2.00	2.12	
57 1,3-Dimethylnaphthalene	156	6.993	6.997	-0.004	91	284477	2.00	2.11	
59 Dimethyl phthalate	163	7.054	7.061	-0.007	97	412896	2.00	2.05	
60 Coumarin	146	7.073	7.078	-0.005	77	136120	2.00	2.05	
61 2,6-Dinitrotoluene	165	7.105	7.110	-0.005	94	82841	2.00	2.00	
62 Acenaphthylene	152	7.175	7.180	-0.005	97	546525	2.00	2.14	
63 3-Nitroaniline	138	7.265	7.270	-0.005	91	90386	2.00	1.93	
* 64 Acenaphthene-d10	164	7.313	7.315	-0.002	96	1124805	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.338	7.340	-0.002	97	305727	2.00	2.01	
66 Acenaphthene	154	7.342	7.347	-0.005	96	368421	2.00	2.24	
67 2,4-Dinitrophenol	184	7.361	7.366	-0.005	89	78760	4.00	3.93	
68 4-Nitrophenol	65	7.422	7.427	-0.005	94	174582	4.00	4.24	
69 2,4-Dinitrotoluene	165	7.486	7.491	-0.005	90	108468	2.00	2.00	
70 Dibenzofuran	168	7.505	7.507	-0.002	96	494863	2.00	2.16	
72 2,3,4,6-Tetrachlorophenol	232	7.623	7.626	-0.003	89	88983	2.00	1.84	
73 Diethyl phthalate	149	7.722	7.728	-0.006	97	440180	2.00	2.15	
75 Fluorene	166	7.828	7.831	-0.003	93	391567	2.00	2.14	
74 4-Chlorophenyl phenyl ethe	204	7.828	7.831	-0.003	78	204131	2.00	2.19	
76 4-Nitroaniline	138	7.838	7.847	-0.009	92	109061	2.00	2.20	
77 4,6-Dinitro-2-methylphenol	198	7.870	7.876	-0.006	76	90564	4.00	3.27	
78 N-Nitrosodiphenylamine	169	7.937	7.943	-0.006	99	286504	2.00	2.08	
79 1,2-Diphenylhydrazine	77	7.975	7.981	-0.006	98	477387	2.00	2.07	
$ 80 2,4,6-Tribromophenol	330	8.052	8.058	-0.006	93	61713	2.00	1.94	
81 4-Bromophenyl phenyl ether	248	8.289	8.292	-0.003	88	121667	2.00	2.11	
82 Hexachlorobenzene	284	8.353	8.356	-0.003	97	124260	2.00	1.93	
84 Pentachlorophenol	266	8.535	8.539	-0.004	93	146122	4.00	3.88	
85 Pentachloronitrobenzene	237	8.551	8.555	-0.004	87	49297	2.00	1.99	
86 n-Octadecane	57	8.625	8.625	0.000	89	284823	2.00	2.08	
* 87 Phenanthrene-d10	188	8.711	8.712	-0.001	99	1884519	8.00	8.00	
88 Phenanthrene	178	8.730	8.734	-0.004	98	582792	2.00	2.12	
89 Anthracene	178	8.778	8.782	-0.004	98	592049	2.00	2.10	
90 Carbazole	167	8.929	8.933	-0.004	96	533691	2.00	2.15	
91 Di-n-butyl phthalate	149	9.271	9.272	-0.001	99	662553	2.00	2.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.853	9.858	-0.005	97	613544	2.00	2.17	
93 Benzidine	184	9.978	9.983	-0.005	99	324428	2.00	2.01	
94 Pyrene	202	10.067	10.070	-0.003	96	641703	2.00	1.85	
95 Bisphenol-A	213	10.115	10.118	-0.003	97	258267	2.00	1.83	
$ 96 Terphenyl-d14	244	10.221	10.224	-0.003	98	516570	2.00	1.99	
97 Butyl benzyl phthalate	149	10.720	10.727	-0.007	97	265291	2.00	1.84	
99 Carbamazepine	193	10.826	10.832	-0.006	92	187489	2.00	2.00	
100 3,3'-Dichlorobenzidine	252	11.297	11.303	-0.006	99	222969	2.00	2.07	
101 Benzo[a]anthracene	228	11.319	11.326	-0.007	98	618576	2.00	2.02	
* 102 Chrysene-d12	240	11.332	11.339	-0.007	100	1886135	8.00	8.00	
104 Chrysene	228	11.361	11.367	-0.006	99	595195	2.00	2.05	
103 Bis(2-ethylhexyl) phthalat	149	11.383	11.384	-0.001	90	390338	2.00	1.96	
105 Di-n-octyl phthalate	149	12.209	12.213	-0.004	97	684003	2.00	1.92	
106 Benzo[b]fluoranthene	252	12.686	12.694	-0.008	99	603118	2.00	2.02	
107 Benzo[k]fluoranthene	252	12.725	12.732	-0.007	99	646414	2.00	2.07	
108 Benzo[a]pyrene	252	13.135	13.142	-0.007	97	596924	2.00	2.10	
* 109 Perylene-d12	264	13.221	13.225	-0.004	99	2086953	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.769	14.779	-0.010	99	569912	2.00	2.20	
111 Dibenz(a,h)anthracene	278	14.807	14.818	-0.011	99	562948	2.00	2.14	
112 Benzo[g,h,i]perylene	276	15.195	15.212	-0.017	98	561737	2.00	2.09	
S 119 Total Cresols	1				0			4.34	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL4_00041 Amount Added: 1.00 Units: mL

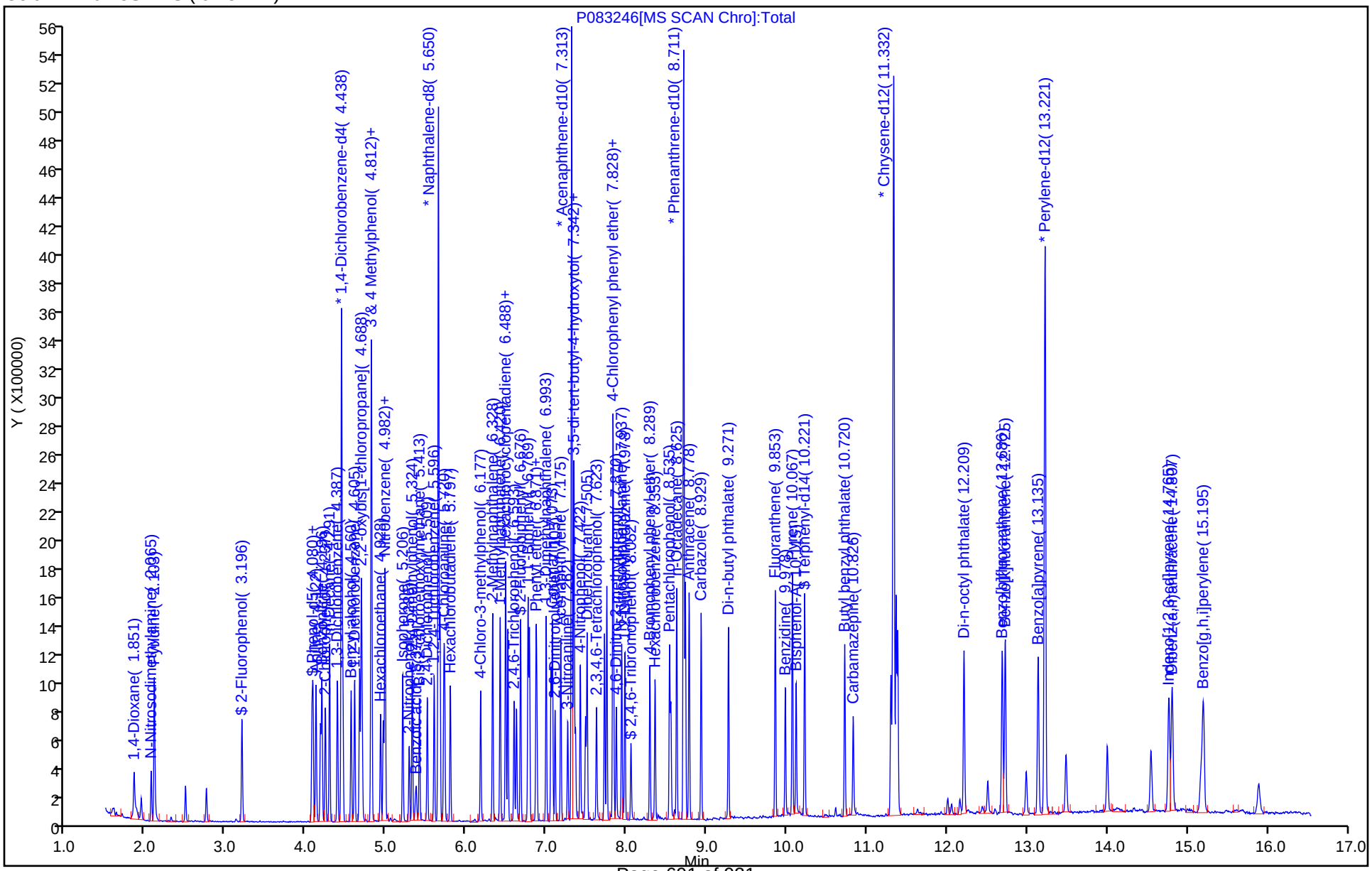
Report Date: 13-Sep-2019 10:37:30 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083246.D

Injection Date:	12-Sep-2019 12:15:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 13-Sep-2019 10:37:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083247.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Sep-2019 12:36:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-007
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:35 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 13:00:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.857	1.848	0.009	95	46337	1.00	0.9798	
2 N-Nitrosodimethylamine	74	2.071	2.062	0.009	95	71916	1.00	0.9241	
3 Pyridine	79	2.110	2.097	0.013	96	193738	2.00	1.81	
$ 4 2-Fluorophenol	112	3.199	3.197	0.002	96	112907	1.00	0.9733	
$ 6 Phenol-d5	99	4.071	4.077	-0.006	97	131756	1.00	0.9079	
7 Phenol	94	4.084	4.090	-0.006	98	149852	1.00	0.9746	
8 Aniline	93	4.122	4.122	0.000	99	185513	1.00	0.9646	
9 Bis(2-chloroethyl)ether	93	4.177	4.179	-0.002	97	118541	1.00	0.9538	
10 Benzonitrile	103	4.196	4.198	-0.002	98	236413	NC	NC	
11 2-Chlorophenol	128	4.237	4.240	-0.003	95	113205	1.00	1.00	
12 n-Decane	43	4.289	4.291	-0.002	91	125293	1.00	1.06	
13 1,3-Dichlorobenzene	146	4.391	4.390	0.001	93	121737	1.00	0.99	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.442	-0.003	98	609646	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.455	4.458	-0.003	93	118431	1.00	0.9672	
16 Benzyl alcohol	108	4.560	4.563	-0.003	90	74907	1.00	0.9467	
17 1,2-Dichlorobenzene	146	4.602	4.605	-0.003	91	107804	1.00	0.9366	
18 2-Methylphenol	108	4.666	4.669	-0.003	88	99906	1.00	0.9331	
19 2,2'-oxybis[1-chloropropan	45	4.695	4.698	-0.003	95	154273	1.00	1.00	
20 N-Methylaniline	106	4.806	4.810	-0.004	76	155761	1.00	0.9436	
24 4-Methylphenol	108	4.810	4.816	-0.006	81	116138	1.00	1.02	
23 3 & 4 Methylphenol	108	4.810	4.816	-0.006	94	116138	1.00	1.02	
21 Acetophenone	105	4.816	4.819	-0.003	89	170459	1.00	1.07	
22 N-Nitrosodi-n-propylamine	70	4.816	4.819	-0.003	86	80286	1.00	0.9136	
25 Hexachloroethane	117	4.928	4.928	0.000	91	44701	1.00	0.9683	
$ 27 Nitrobenzene-d5	82	4.960	4.964	-0.004	86	124822	1.00	0.9890	
28 Nitrobenzene	123	4.979	4.983	-0.004	93	53220	1.00	1.00	
29 n,n'-Dimethylaniline	120	4.985	4.986	-0.001	90	165035	1.00	1.01	
30 Isophorone	82	5.203	5.207	-0.004	99	234235	1.00	1.02	
32 2-Nitrophenol	139	5.286	5.287	-0.001	87	46169	1.00	0.9248	
33 2,4-Dimethylphenol	122	5.321	5.325	-0.004	88	92321	1.00	0.9718	
35 Benzoic acid	122	5.363	5.409	-0.046	88	24483	1.00	1.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.411	5.415	-0.004	98	148412	1.00	1.04	
36 2,4-Dichlorophenol	162	5.510	5.514	-0.004	93	73938	1.00	0.8957	
37 1,2,4-Trichlorobenzene	180	5.596	5.598	-0.002	93	94668	1.00	1.01	
* 38 Naphthalene-d8	136	5.650	5.652	-0.002	100	2322065	8.00	8.00	
39 Naphthalene	128	5.669	5.671	-0.002	99	322547	1.00	1.06	
40 4-Chloroaniline	127	5.717	5.719	-0.002	94	130534	1.00	1.01	
41 Hexachlorobutadiene	225	5.797	5.799	-0.002	95	56212	1.00	1.04	
43 4-Chloro-3-methylphenol	107	6.178	6.177	0.001	94	90208	1.00	0.9551	
44 2-Methylnaphthalene	142	6.325	6.328	-0.003	85	197280	1.00	1.03	
45 1-Methylnaphthalene	142	6.421	6.421	0.000	94	196718	1.00	1.10	
46 Hexachlorocyclopentadiene	237	6.488	6.488	0.000	94	54778	1.00	0.9122	
47 1,2,4,5-Tetrachlorobenzene	216	6.488	6.491	-0.003	97	101200	1.00	1.07	
48 2-tertbutyl-4-methylphenol	149	6.516	6.520	-0.004	89	111924	1.00	0.8841	
49 2,4,6-Trichlorophenol	196	6.593	6.594	-0.001	87	60724	1.00	1.04	
50 2,4,5-Trichlorophenol	196	6.622	6.626	-0.004	95	63700	1.00	0.9777	
$ 51 2-Fluorobiphenyl	172	6.673	6.677	-0.004	99	227722	1.00	1.00	
52 1,1'-Biphenyl	154	6.769	6.770	-0.001	95	255658	1.00	1.08	
53 2-Chloronaphthalene	162	6.785	6.789	-0.004	96	187684	1.00	1.00	
54 Phenyl ether	170	6.868	6.873	-0.005	88	126541	1.00	1.03	
55 2-Nitroaniline	65	6.878	6.882	-0.004	93	64130	1.00	0.8726	
57 1,3-Dimethylnaphthalene	156	6.993	6.997	-0.004	92	143645	1.00	0.9862	
59 Dimethyl phthalate	163	7.054	7.061	-0.007	98	221024	1.00	1.02	
60 Coumarin	146	7.073	7.078	-0.005	77	69160	1.00	0.9892	
61 2,6-Dinitrotoluene	165	7.105	7.110	-0.005	83	35978	1.00	0.8603	
62 Acenaphthylene	152	7.175	7.180	-0.005	97	266538	1.00	0.9677	
63 3-Nitroaniline	138	7.265	7.270	-0.005	91	45686	1.00	0.9046	
* 64 Acenaphthene-d10	164	7.313	7.315	-0.002	96	1212919	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.338	7.340	-0.002	97	190133	1.00	1.16	
66 Acenaphthene	154	7.342	7.347	-0.005	96	196836	1.00	1.11	
67 2,4-Dinitrophenol	184	7.361	7.366	-0.005	92	31709	2.00	2.02	
68 4-Nitrophenol	65	7.418	7.427	-0.009	91	77994	2.00	1.76	
69 2,4-Dinitrotoluene	165	7.485	7.491	-0.006	89	53077	1.00	0.9082	
70 Dibenzofuran	168	7.505	7.507	-0.002	95	251439	1.00	1.02	
72 2,3,4,6-Tetrachlorophenol	232	7.623	7.626	-0.003	92	52092	1.00	1.00	
73 Diethyl phthalate	149	7.722	7.728	-0.006	97	208216	1.00	0.9425	
75 Fluorene	166	7.828	7.831	-0.003	97	221398	1.00	1.12	
74 4-Chlorophenyl phenyl ethe	204	7.828	7.831	-0.003	77	106673	1.00	1.06	
76 4-Nitroaniline	138	7.834	7.847	-0.013	93	51433	1.00	0.9621	
77 4,6-Dinitro-2-methylphenol	198	7.869	7.876	-0.007	86	47467	2.00	1.59	
78 N-Nitrosodiphenylamine	169	7.936	7.943	-0.007	99	147891	1.00	1.00	
79 1,2-Diphenylhydrazine	77	7.975	7.981	-0.006	97	262607	1.00	1.06	
$ 80 2,4,6-Tribromophenol	330	8.055	8.058	-0.003	93	33680	1.00	0.9796	
81 4-Bromophenyl phenyl ether	248	8.288	8.292	-0.004	87	62064	1.00	1.00	
82 Hexachlorobenzene	284	8.355	8.356	-0.001	95	66623	1.00	0.9616	
84 Pentachlorophenol	266	8.534	8.539	-0.005	93	74800	2.00	1.84	
85 Pentachloronitrobenzene	237	8.553	8.555	-0.002	82	21450	1.00	0.8037	
86 n-Octadecane	57	8.624	8.625	-0.001	90	155239	1.00	1.05	
* 87 Phenanthrene-d10	188	8.710	8.712	-0.002	99	2032206	8.00	8.00	
88 Phenanthrene	178	8.733	8.734	-0.001	97	309330	1.00	1.04	
89 Anthracene	178	8.777	8.782	-0.005	99	315257	1.00	1.04	
90 Carbazole	167	8.928	8.933	-0.005	95	281062	1.00	1.05	
91 Di-n-butyl phthalate	149	9.270	9.272	-0.002	99	332217	1.00	0.9827	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.855	9.858	-0.003	98	317471	1.00	1.04	
93 Benzidine	184	9.979	9.983	-0.004	99	164921	1.00	0.9496	
94 Pyrene	202	10.066	10.070	-0.004	97	317187	1.00	1.01	
95 Bisphenol-A	213	10.114	10.118	-0.004	97	115072	1.00	0.9011	
$ 96 Terphenyl-d14	244	10.219	10.224	-0.005	100	232333	1.00	0.99	
97 Butyl benzyl phthalate	149	10.721	10.727	-0.006	96	117169	1.00	0.8973	
99 Carbamazepine	193	10.824	10.832	-0.008	95	63253	1.00	1.01	
100 3,3'-Dichlorobenzidine	252	11.297	11.303	-0.006	99	94364	1.00	0.9715	
101 Benzo[a]anthracene	228	11.319	11.326	-0.007	97	306338	1.00	1.10	
* 102 Chrysene-d12	240	11.332	11.339	-0.007	99	1704199	8.00	8.00	
104 Chrysene	228	11.361	11.367	-0.006	99	306592	1.00	1.17	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.384	-0.004	88	168893	1.00	0.9792	
105 Di-n-octyl phthalate	149	12.208	12.213	-0.005	97	233759	1.00	0.7601	
106 Benzo[b]fluoranthene	252	12.685	12.694	-0.009	98	254330	1.00	0.9846	
107 Benzo[k]fluoranthene	252	12.720	12.732	-0.012	99	255693	1.00	0.9502	
108 Benzo[a]pyrene	252	13.133	13.142	-0.009	97	240227	1.00	0.9770	
* 109 Perylene-d12	264	13.220	13.225	-0.005	99	1801722	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.762	14.779	-0.017	98	197080	1.00	0.8819	
111 Dibenz(a,h)anthracene	278	14.804	14.818	-0.014	98	208213	1.00	0.9169	
112 Benzo[g,h,i]perylene	276	15.194	15.212	-0.018	97	205767	1.00	0.8855	
S 119 Total Cresols	1				0			1.95	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL3_00037 Amount Added: 1.00 Units: mL

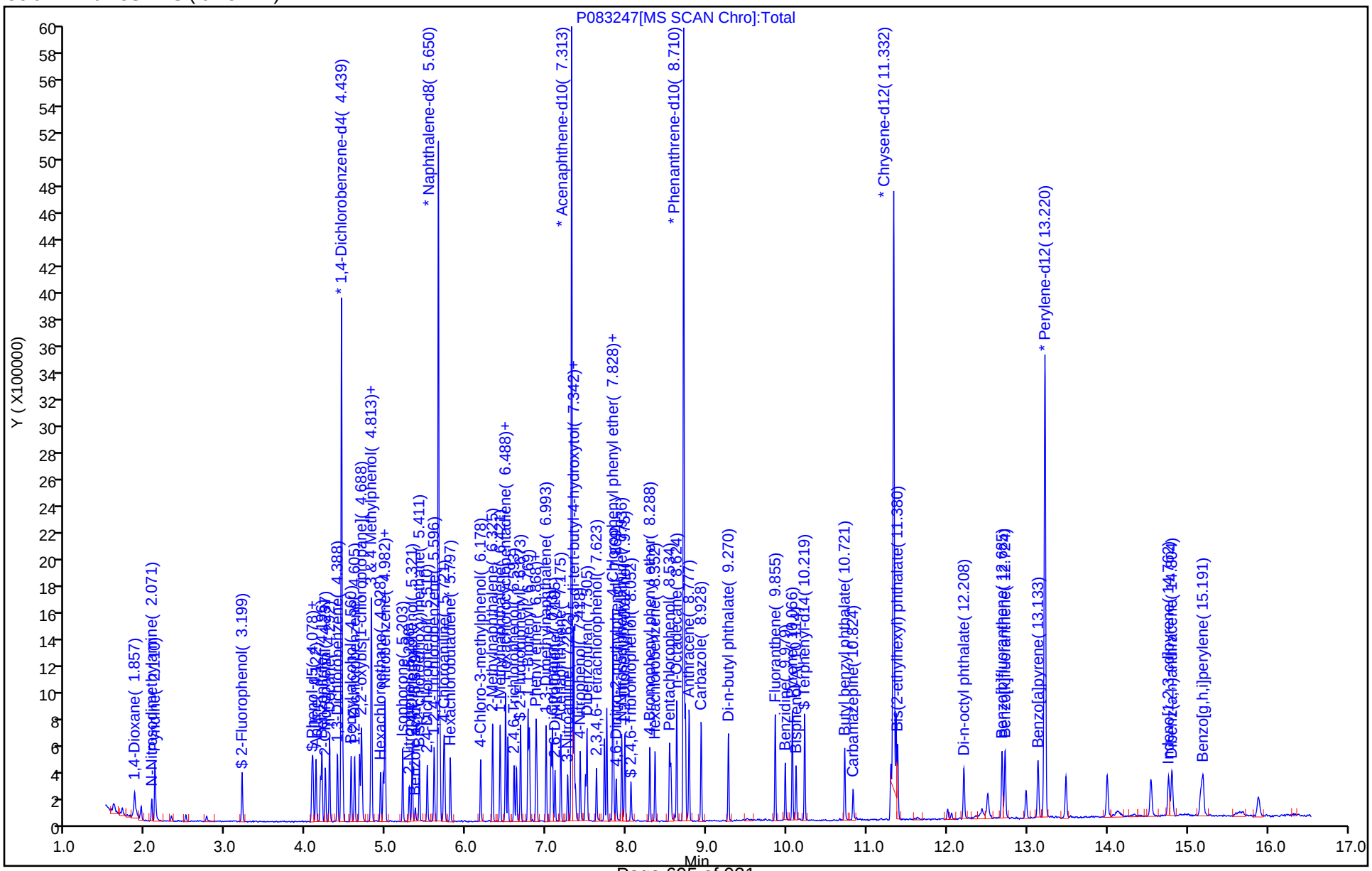
Report Date: 13-Sep-2019 10:37:38 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083247.D

Injection Date:	12-Sep-2019 12:36:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083248.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Sep-2019 12:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-008
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:41 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 13:15:58

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	3.199	3.197	0.002	95	26205	0.2000	0.2260	
$ 6 Phenol-d5	99	4.071	4.077	-0.006	97	32023	0.2000	0.2208	
9 Bis(2-chloroethyl)ether	93	4.176	4.179	-0.003	93	23591	0.2000	0.1899	
* 14 1,4-Dichlorobenzene-d4	152	4.438	4.442	-0.004	98	609302	8.00	8.00	
20 N-Methylaniline	106	4.809	4.810	-0.001	82	36661	0.2000	0.2222	
22 N-Nitrosodi-n-propylamine	70	4.815	4.819	-0.004	67	17583	0.2000	0.2002	
25 Hexachloroethane	117	4.927	4.928	-0.001	90	9634	0.2000	0.2088	
$ 27 Nitrobenzene-d5	82	4.962	4.964	-0.002	87	26919	0.2000	0.2049	
28 Nitrobenzene	123	4.982	4.983	-0.001	90	9616	0.2000	0.1811	
29 n,n'-Dimethylaniline	120	4.985	4.986	-0.001	93	34510	0.2000	0.2112	
30 Isophorone	82	5.205	5.207	-0.002	98	46170	0.2000	0.1931	
37 1,2,4-Trichlorobenzene	180	5.595	5.598	-0.003	89	20059	0.2000	0.2059	
* 38 Naphthalene-d8	136	5.649	5.652	-0.003	100	2417051	8.00	8.00	
41 Hexachlorobutadiene	225	5.800	5.799	0.001	91	11058	0.2000	0.1693	
44 2-Methylnaphthalene	142	6.327	6.328	-0.001	88	41131	0.2000	0.2055	
45 1-Methylnaphthalene	142	6.419	6.421	-0.002	86	34313	0.2000	0.1844	
48 2-tertbutyl-4-methylphenol	149	6.515	6.520	-0.005	92	28123	0.2000	0.2134	
49 2,4,6-Trichlorophenol	196	6.595	6.594	0.001	83	8967	0.2000	0.1466	
$ 51 2-Fluorobiphenyl	172	6.675	6.677	-0.002	98	53350	0.2000	0.2242	
61 2,6-Dinitrotoluene	165	7.103	7.110	-0.007	79	5611	0.2000	0.2046	
* 64 Acenaphthene-d10	164	7.311	7.315	-0.004	96	1273407	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.484	7.491	-0.007	94	9357	0.2000	0.1525	
$ 80 2,4,6-Tribromophenol	330	8.053	8.058	-0.005	82	6297	0.2000	0.1744	
82 Hexachlorobenzene	284	8.353	8.356	-0.003	90	17633	0.2000	0.2444	
* 87 Phenanthrene-d10	188	8.711	8.712	-0.001	99	2116464	8.00	8.00	
$ 96 Terphenyl-d14	244	10.220	10.224	-0.004	98	51146	0.2000	0.2071	
100 3,3'-Dichlorobenzidine	252	11.297	11.303	-0.006	94	17665	0.2000	0.1727	
101 Benzo[a]anthracene	228	11.319	11.326	-0.007	97	54271	0.2000	0.1858	
* 102 Chrysene-d12	240	11.332	11.339	-0.007	100	1794445	8.00	8.00	
104 Chrysene	228	11.361	11.367	-0.006	99	55720	0.2000	0.2013	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.384	-0.004	86	23791	0.2000	0.2009	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Benzo[b]fluoranthene	252	12.685	12.694	-0.009	97	44779	0.2000	0.1877	
107 Benzo[k]fluoranthene	252	12.724	12.732	-0.008	98	45152	0.2000	0.1817	
108 Benzo[a]pyrene	252	13.133	13.142	-0.009	94	39247	0.2000	0.1728	
* 109 Perylene-d12	264	13.219	13.225	-0.006	99	1664252	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.762	14.779	-0.017	96	36066	0.2000	0.1747	a
111 Dibenz(a,h)anthracene	278	14.806	14.818	-0.012	97	35052	0.2000	0.1671	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SM_BNAL2_00032 Amount Added: 1.00 Units: mL

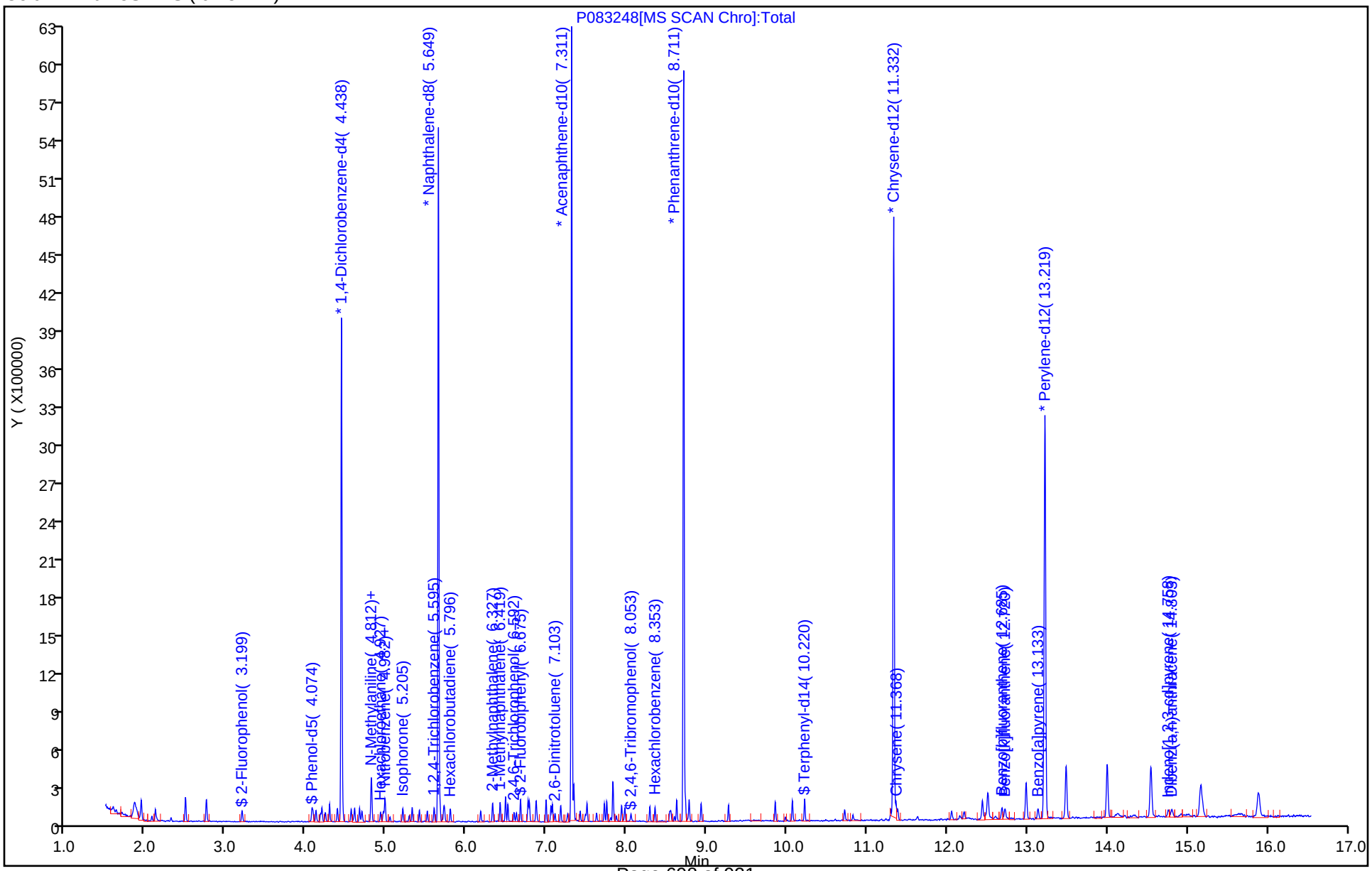
Report Date: 13-Sep-2019 10:37:42 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083248.D

Injection Date:	12-Sep-2019 12:57:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD02			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

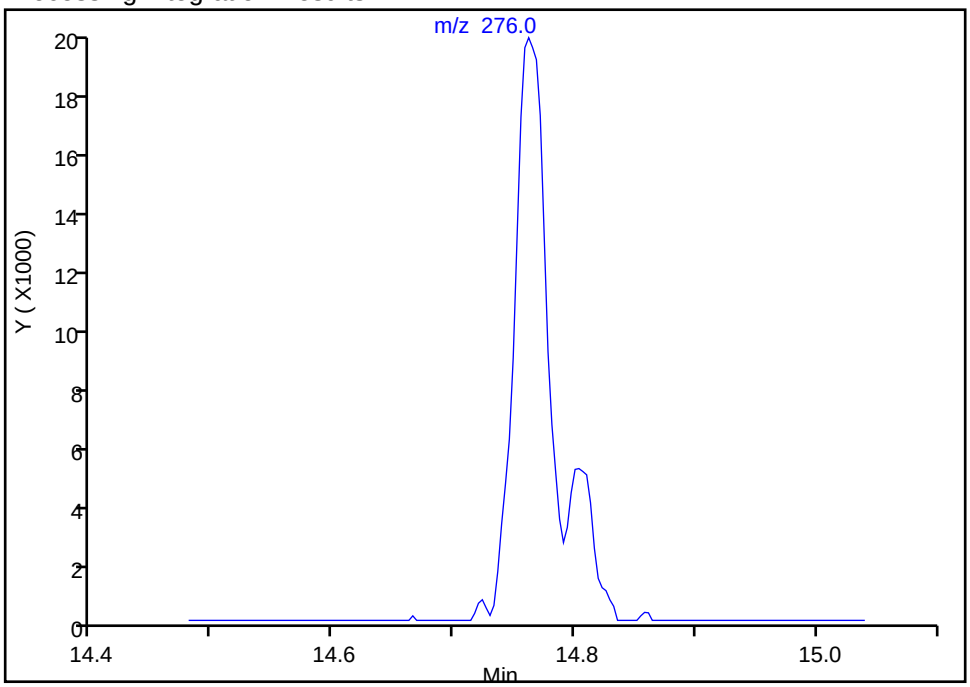
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083248.D				
Injection Date:	12-Sep-2019 12:57:30	Instrument ID:	CBNAMS18		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

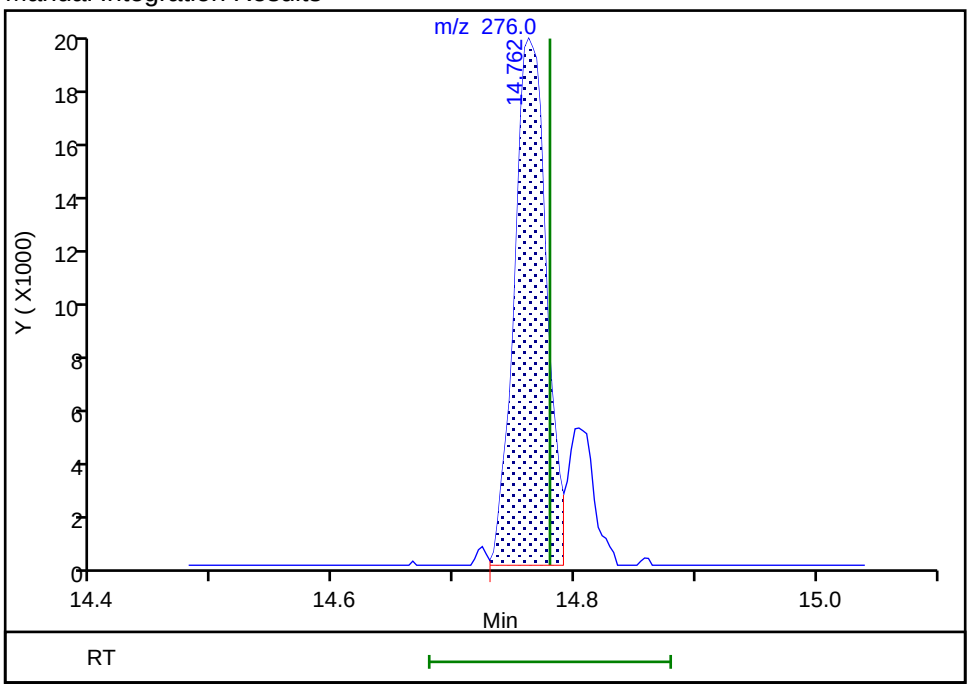
Not Detected
Expected RT: 14.78

Processing Integration Results



Manual Integration Results

RT: 14.76
Area: 36066
Amount: 0.174715
Amount Units: ug/ml



Reviewer: johnstonm1, 12-Sep-2019 13:15:51
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083249.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Sep-2019 13:18:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-009
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:43 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 13:41:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.176	4.179	-0.003	85	11587	0.1000	0.1036	
* 14 1,4-Dichlorobenzene-d4	152	4.438	4.442	-0.004	98	548645	8.00	8.00	
20 N-Methylaniline	106	4.809	4.810	-0.001	79	14048	0.1000	0.0946	
22 N-Nitrosodi-n-propylamine	70	4.819	4.819	0.000	64	9063	0.1000	0.1146	
25 Hexachloroethane	117	4.927	4.928	-0.001	86	4221	0.1000	0.1016	
$ 27 Nitrobenzene-d5	82	4.962	4.964	-0.002	88	12699	0.1000	0.1090	
28 Nitrobenzene	123	4.982	4.983	-0.001	87	5001	0.1000	0.1046	
29 n,n'-Dimethylaniline	120	4.985	4.986	-0.001	74	12953	0.1000	0.0880	
37 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	90	9236	0.1000	0.1069	
* 38 Naphthalene-d8	136	5.649	5.652	-0.003	100	2142747	8.00	8.00	
41 Hexachlorobutadiene	225	5.796	5.799	-0.003	87	6772	0.1000	0.1068	
$ 51 2-Fluorobiphenyl	172	6.675	6.677	-0.002	97	23025	0.1000	0.1145	
* 64 Acenaphthene-d10	164	7.311	7.315	-0.004	96	1076326	8.00	8.00	
82 Hexachlorobenzene	284	8.353	8.356	-0.003	86	6096	0.1000	0.0987	
* 87 Phenanthrene-d10	188	8.708	8.712	-0.004	99	1812263	8.00	8.00	
$ 96 Terphenyl-d14	244	10.221	10.224	-0.003	97	20988	0.1000	0.0906	
101 Benzo[a]anthracene	228	11.317	11.326	-0.009	97	29258	0.1000	0.1068	
* 102 Chrysene-d12	240	11.330	11.339	-0.009	100	1684162	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.687	12.694	-0.007	98	24896	0.1000	0.0922	
107 Benzo[k]fluoranthene	252	12.719	12.732	-0.013	96	28627	0.1000	0.1017	
108 Benzo[a]pyrene	252	13.134	13.142	-0.008	95	26128	0.1000	0.1016	
* 109 Perylene-d12	264	13.218	13.225	-0.007	99	1884255	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.760	14.779	-0.019	96	20961	0.1000	0.0897	
111 Dibenz(a,h)anthracene	278	14.805	14.818	-0.013	96	24729	0.1000	0.1041	

Reagents:

SM_BNAL1_00030 Amount Added: 1.00 Units: mL

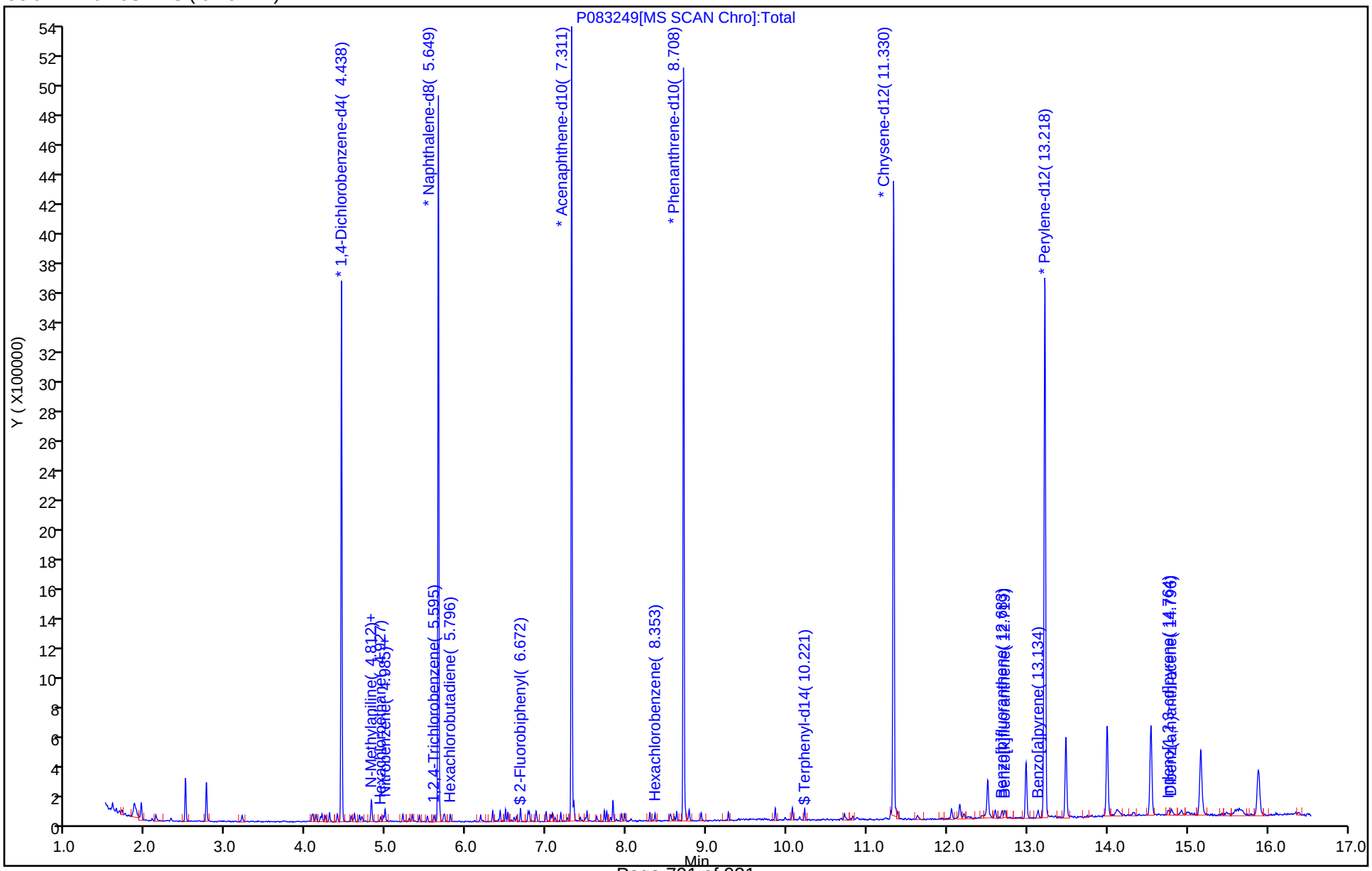
Report Date: 13-Sep-2019 10:37:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083249.D

Injection Date:	12-Sep-2019 13:18:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 14:00 Calibration End Date: 09/12/2019 16:07 Calibration ID: 76734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 460-638750/17	P083257.D
Level 2	STD1 460-638750/16	P083256.D
Level 3	STD2 460-638750/15	P083255.D
Level 4	STD4 460-638750/14	P083254.D
Level 5	STD10 460-638750/11	P083251.D
Level 6	STD16 460-638750/13	P083253.D
Level 7	STD24 460-638750/12	P083252.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.3639 1.4773	1.4122 1.4421	1.3759	1.5901	1.4992	Ave		1.4515			0.0100	5.4		20.0			
Caprolactam	0.0636 0.1025	0.0558 0.1092	0.0795	0.0953	0.1025	QuaF		0.0926	0.0006881		0.0100				0.9990		0.9900
Atrazine	0.1717 0.2092	0.1602 0.2142	0.1849	0.2235	0.2109	Ave		0.1964			0.0100	12.3		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1 Analy Batch No.: 638750

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2019 14:00 Calibration End Date: 09/12/2019 16:07 Calibration ID: 76734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 460-638750/17	P083257.D
Level 2	STD1 460-638750/16	P083256.D
Level 3	STD2 460-638750/15	P083255.D
Level 4	STD4 460-638750/14	P083254.D
Level 5	STD10 460-638750/11	P083251.D
Level 6	STD16 460-638750/13	P083253.D
Level 7	STD24 460-638750/12	P083252.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCBd 4	Ave	20800 1691373	105599 2453407	179044	493017	931944	0.200 16.0	1.00 24.0	2.00	4.00	10.0
Caprolactam	NPT	QuaF	3726 470426	16988 738546	40342	119339	254699	0.200 16.0	1.00 24.0	2.00	4.00	10.0
Atrazine	PHN	Ave	9217 890330	42131 1346504	81569	252687	465047	0.200 16.0	1.00 24.0	2.00	4.00	10.0

Curve Type Legend:

Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083251.D
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 12-Sep-2019 14:00:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-011
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:51 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 14:20:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.021	4.021	0.000	98	931944	10.0	10.3	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.439	0.000	98	497308	8.00	8.00	
* 38 Naphthalene-d8	136	5.647	5.647	0.000	100	1987397	8.00	8.00	
42 Caprolactam	113	6.015	6.015	0.000	93	254699	10.0	10.3	
* 64 Acenaphthene-d10	164	7.312	7.312	0.000	96	1002347	8.00	8.00	
83 Atrazine	200	8.444	8.444	0.000	91	465047	10.0	10.7	
* 87 Phenanthrene-d10	188	8.709	8.709	0.000	99	1764282	8.00	8.00	
* 102 Chrysene-d12	240	11.332	11.332	0.000	99	1649676	8.00	8.00	
* 109 Perylene-d12	264	13.220	13.220	0.000	98	1855671	8.00	8.00	

Reagents:

SM_BNAL5B_00041 Amount Added: 1.00 Units: mL

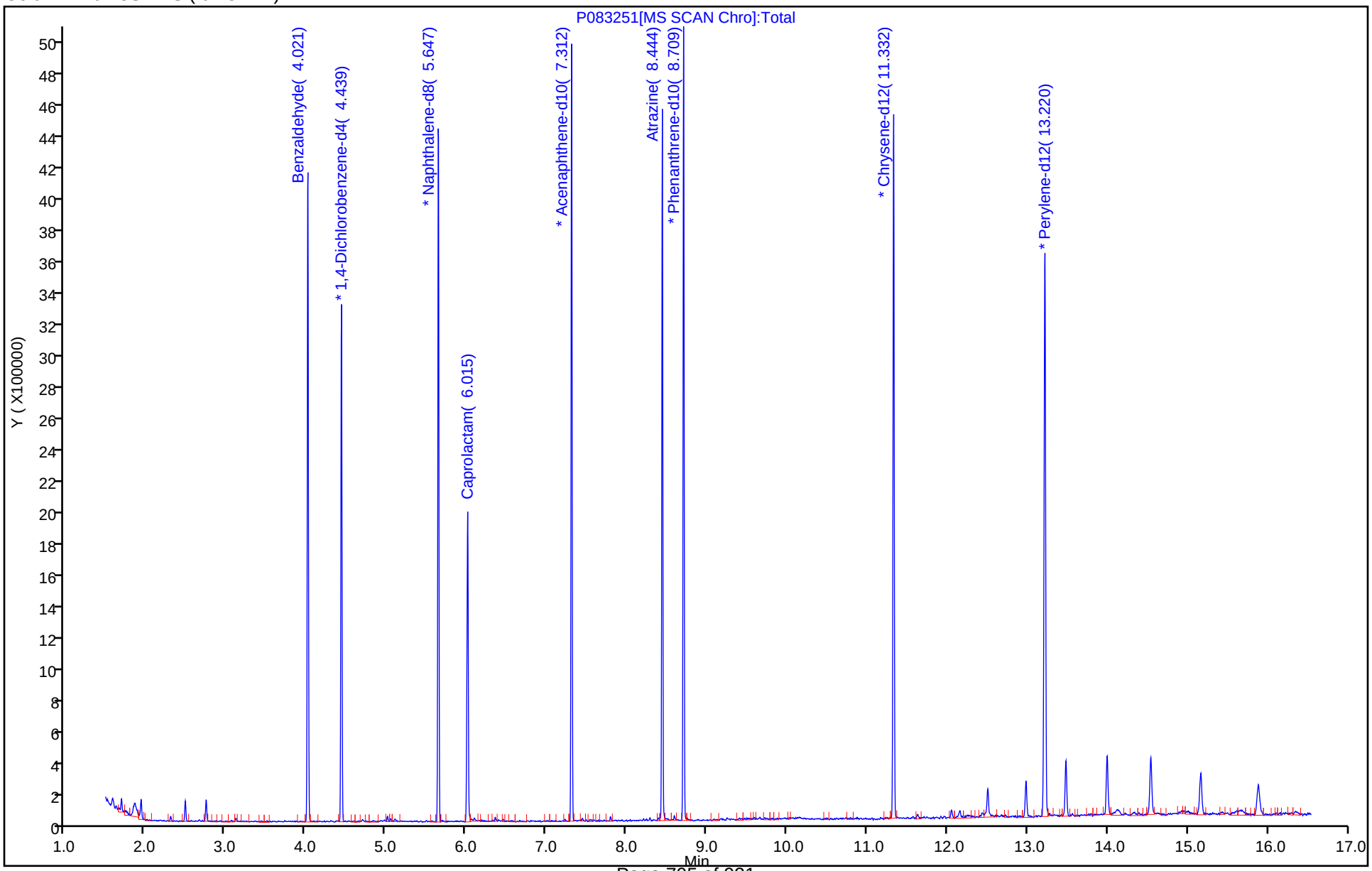
Report Date: 13-Sep-2019 10:37:52 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083251.D

Injection Date:	12-Sep-2019 14:00:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD10			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083252.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Sep-2019 14:22:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-012
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:53 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 14:44:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.024	4.021	0.003	97	2453407	24.0	23.8	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.439	0.000	97	567103	8.00	8.00	
* 38 Naphthalene-d8	136	5.650	5.647	0.003	100	2254957	8.00	8.00	
42 Caprolactam	113	6.030	6.015	0.015	93	738546	24.0	24.0	
* 64 Acenaphthene-d10	164	7.312	7.312	0.000	96	1192097	8.00	8.00	
83 Atrazine	200	8.449	8.444	0.005	91	1346504	24.0	26.2	
* 87 Phenanthrene-d10	188	8.711	8.709	0.002	99	2095097	8.00	8.00	
* 102 Chrysene-d12	240	11.332	11.332	0.000	99	1915709	8.00	8.00	
* 109 Perylene-d12	264	13.219	13.220	-0.001	100	1926533	8.00	8.00	

Reagents:

SM_BNAL7B_00014 Amount Added: 1.00 Units: mL

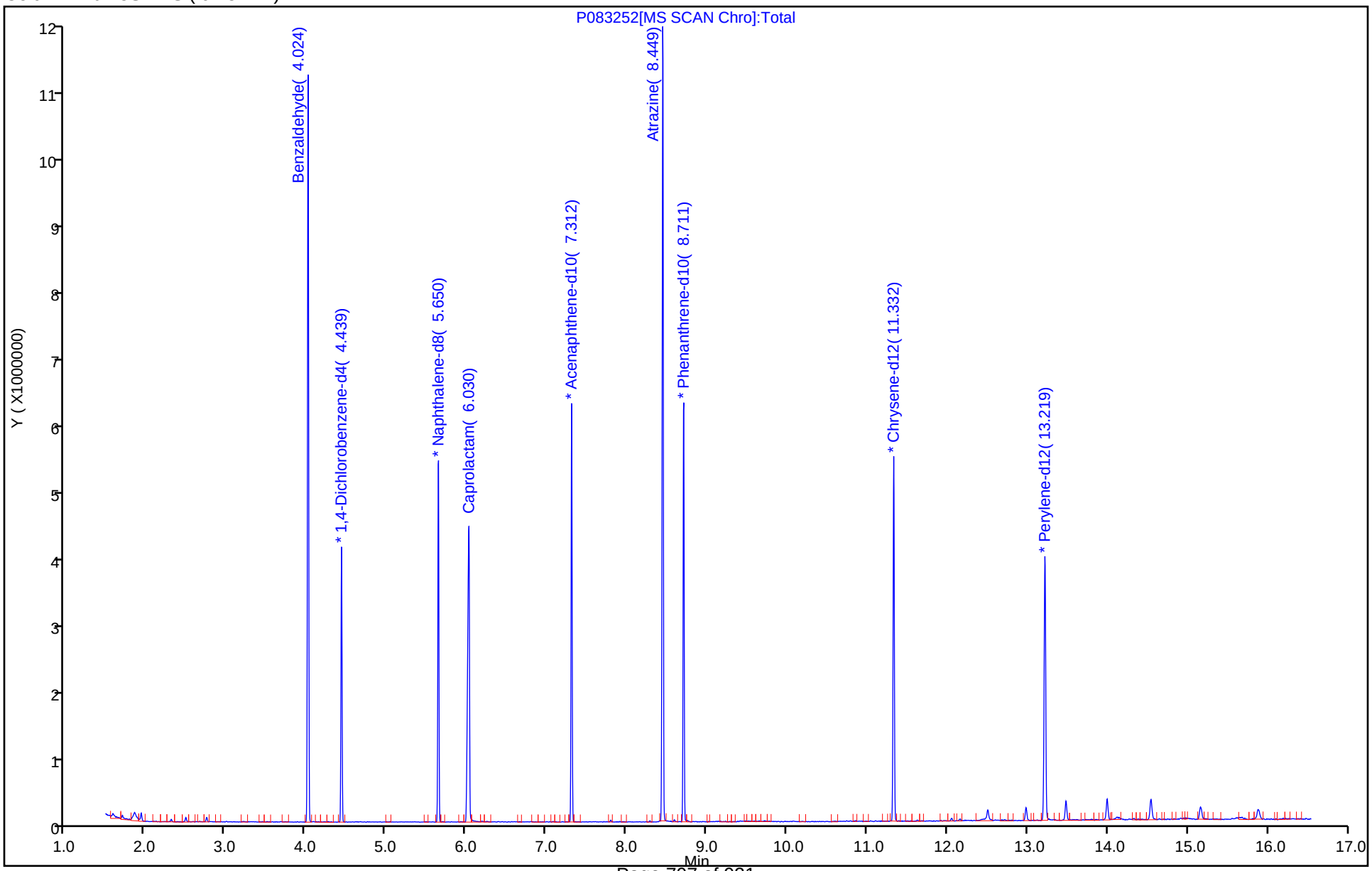
Report Date: 13-Sep-2019 10:37:54 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083252.D

Injection Date:	12-Sep-2019 14:22:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD24			Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083253.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Sep-2019 14:43:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-013
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:55 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 15:05:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.020	4.021	-0.001	98	1691373	16.0	16.3	
* 14 1,4-Dichlorobenzene-d4	152	4.438	4.439	-0.001	98	572438	8.00	8.00	
* 38 Naphthalene-d8	136	5.649	5.647	0.002	100	2294758	8.00	8.00	
42 Caprolactam	113	6.023	6.015	0.008	93	470426	16.0	15.9	
* 64 Acenaphthene-d10	164	7.311	7.312	-0.001	96	1199112	8.00	8.00	
83 Atrazine	200	8.448	8.444	0.004	91	890330	16.0	17.0	
* 87 Phenanthrene-d10	188	8.710	8.709	0.001	99	2128006	8.00	8.00	
* 102 Chrysene-d12	240	11.331	11.332	-0.001	99	1974259	8.00	8.00	
* 109 Perylene-d12	264	13.221	13.220	0.001	99	2044327	8.00	8.00	

Reagents:

SM_BNAL6B_00021 Amount Added: 1.00 Units: mL

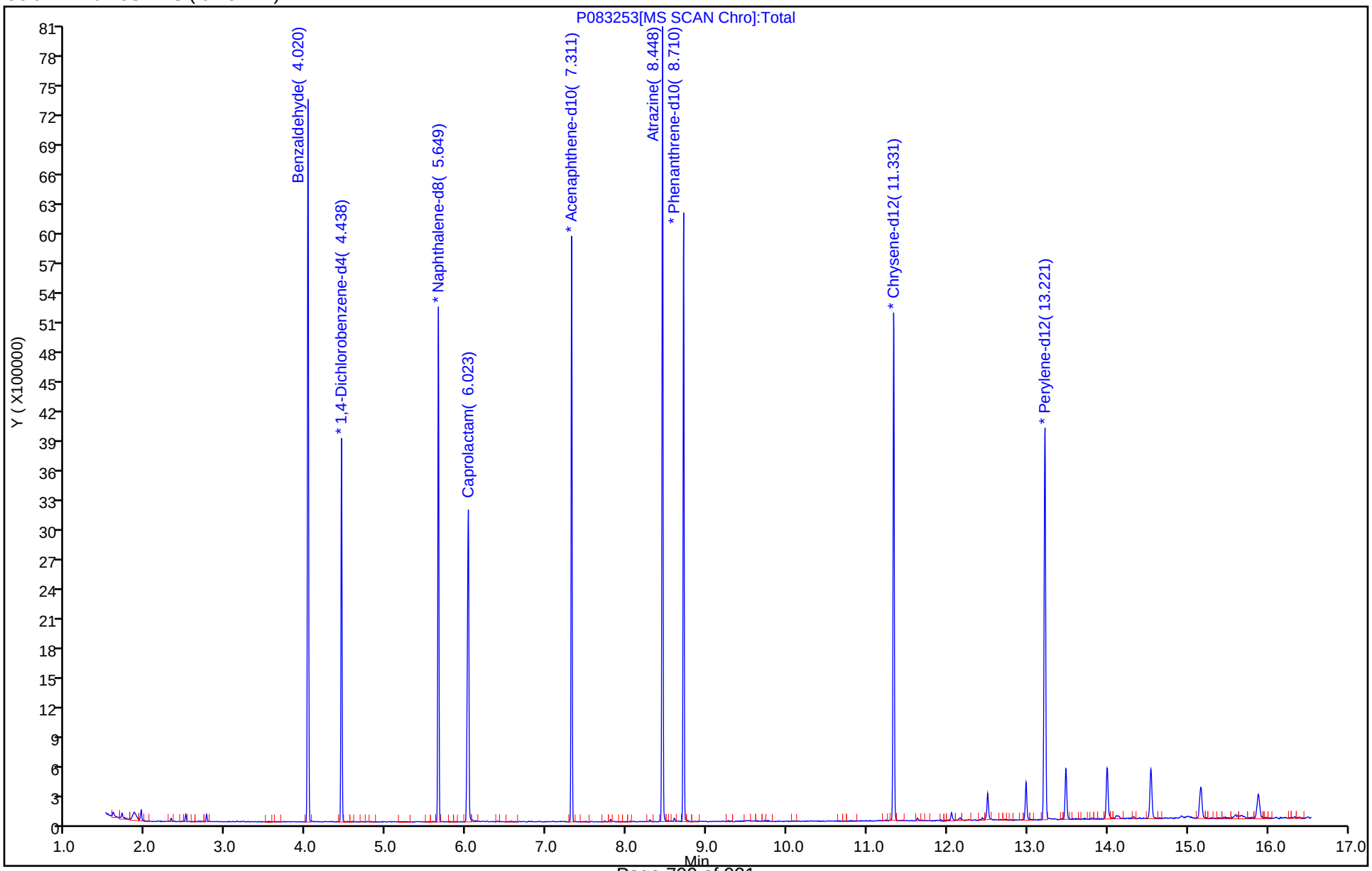
Report Date: 13-Sep-2019 10:37:56 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083253.D

Injection Date:	12-Sep-2019 14:43:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD16			Worklist Smp#:	13
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083254.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Sep-2019 15:04:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-014
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:57 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 15:52:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.020	4.021	-0.001	97	493017	4.00	4.38	
* 14 1,4-Dichlorobenzene-d4	152	4.438	4.439	-0.001	98	620092	8.00	8.00	
* 38 Naphthalene-d8	136	5.649	5.647	0.002	100	2503193	8.00	8.00	
42 Caprolactam	113	6.010	6.015	-0.005	93	119339	4.00	4.00	
* 64 Acenaphthene-d10	164	7.311	7.312	-0.001	96	1298355	8.00	8.00	
83 Atrazine	200	8.442	8.444	-0.002	90	252687	4.00	4.55	
* 87 Phenanthrene-d10	188	8.710	8.709	0.001	99	2261528	8.00	8.00	
* 102 Chrysene-d12	240	11.331	11.332	-0.001	99	1870826	8.00	8.00	
* 109 Perylene-d12	264	13.221	13.220	0.001	99	1730108	8.00	8.00	

Reagents:

SM_BNAL4B_00030 Amount Added: 1.00 Units: mL

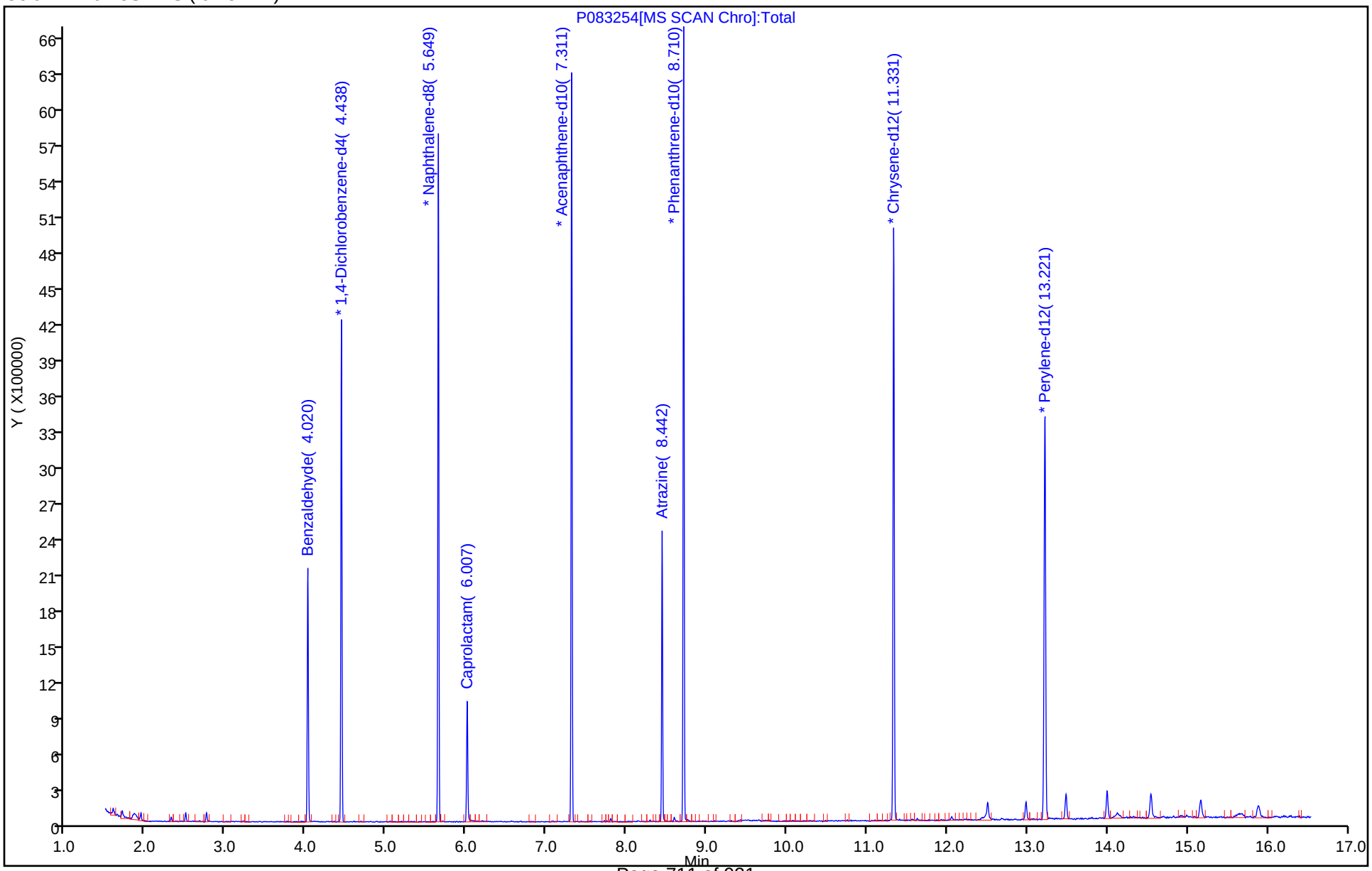
Report Date: 13-Sep-2019 10:37:58 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083254.D

Injection Date:	12-Sep-2019 15:04:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	14
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083255.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Sep-2019 15:25:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-015
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:59 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 15:52:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.020	4.021	-0.001	97	179044	2.00	1.90	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.439	0.000	98	520504	8.00	8.00	
* 38 Naphthalene-d8	136	5.650	5.647	0.003	100	2028864	8.00	8.00	
42 Caprolactam	113	6.004	6.015	-0.011	92	40342	2.00	1.70	
* 64 Acenaphthene-d10	164	7.311	7.312	-0.001	97	1042640	8.00	8.00	
83 Atrazine	200	8.439	8.444	-0.005	89	81569	2.00	1.88	
* 87 Phenanthrene-d10	188	8.708	8.709	-0.001	99	1764250	8.00	8.00	
* 102 Chrysene-d12	240	11.332	11.332	0.000	99	1738582	8.00	8.00	
* 109 Perylene-d12	264	13.218	13.220	-0.002	99	1863098	8.00	8.00	

Reagents:

SM_BNAL3B_00021 Amount Added: 1.00 Units: mL

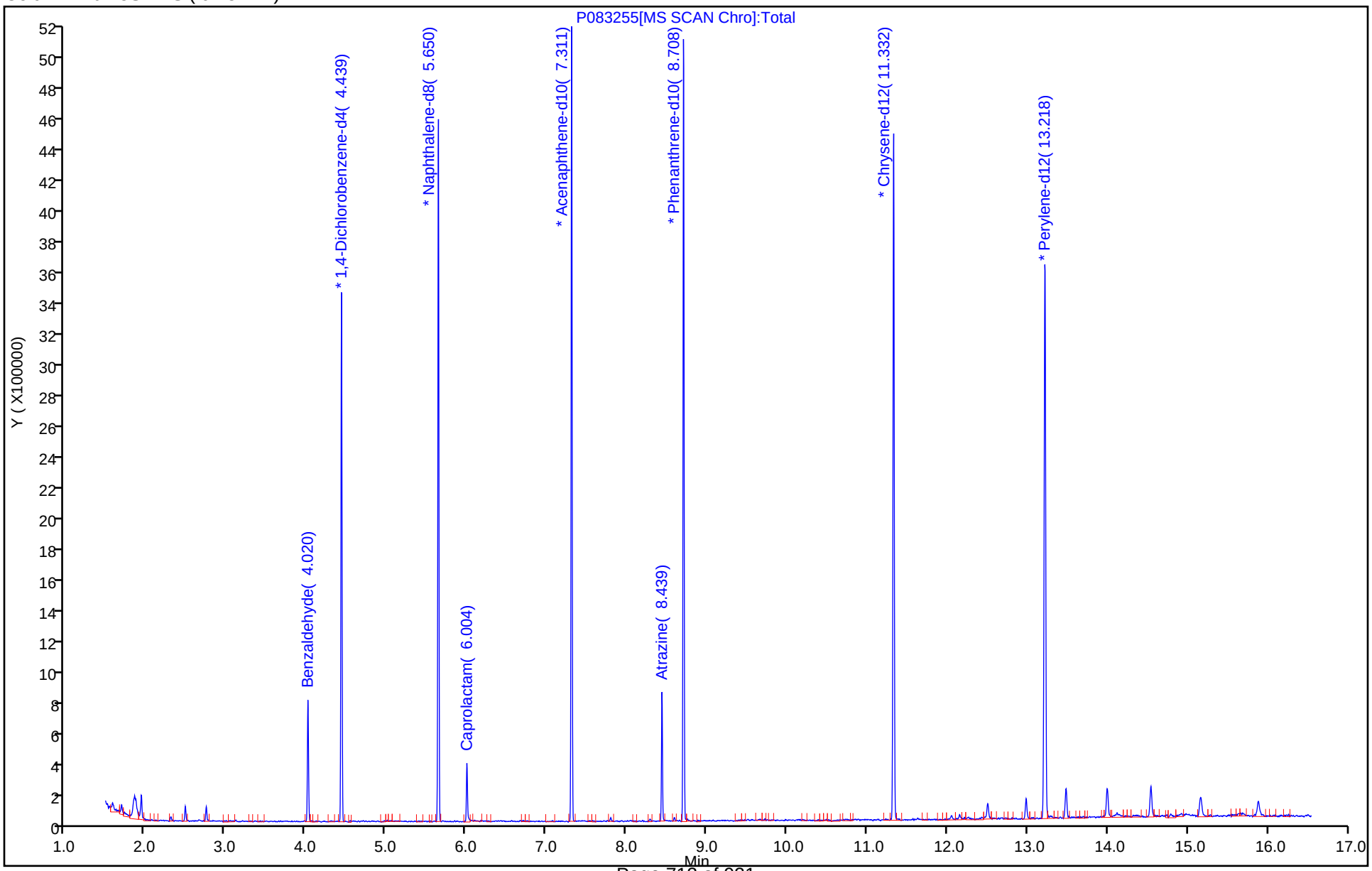
Report Date: 13-Sep-2019 10:38:00 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083255.D

Injection Date:	12-Sep-2019 15:25:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	15
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083256.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Sep-2019 15:46:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-016
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:38:02 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 13-Sep-2019 07:49:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.020	4.021	-0.001	95	105599	1.00	0.9729	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.439	0.000	98	598225	8.00	8.00	
* 38 Naphthalene-d8	136	5.650	5.647	0.003	100	2434901	8.00	8.00	
42 Caprolactam	113	6.004	6.015	-0.011	89	16988	1.00	0.6004	
* 64 Acenaphthene-d10	164	7.311	7.312	-0.001	96	1217491	8.00	8.00	
83 Atrazine	200	8.440	8.444	-0.004	89	42131	1.00	0.8158	
* 87 Phenanthrene-d10	188	8.708	8.709	-0.001	99	2104076	8.00	8.00	
* 102 Chrysene-d12	240	11.332	11.332	0.000	99	1807522	8.00	8.00	
* 109 Perylene-d12	264	13.219	13.220	-0.001	99	1804669	8.00	8.00	

Reagents:

SM_BNAL2B_00025 Amount Added: 1.00 Units: mL

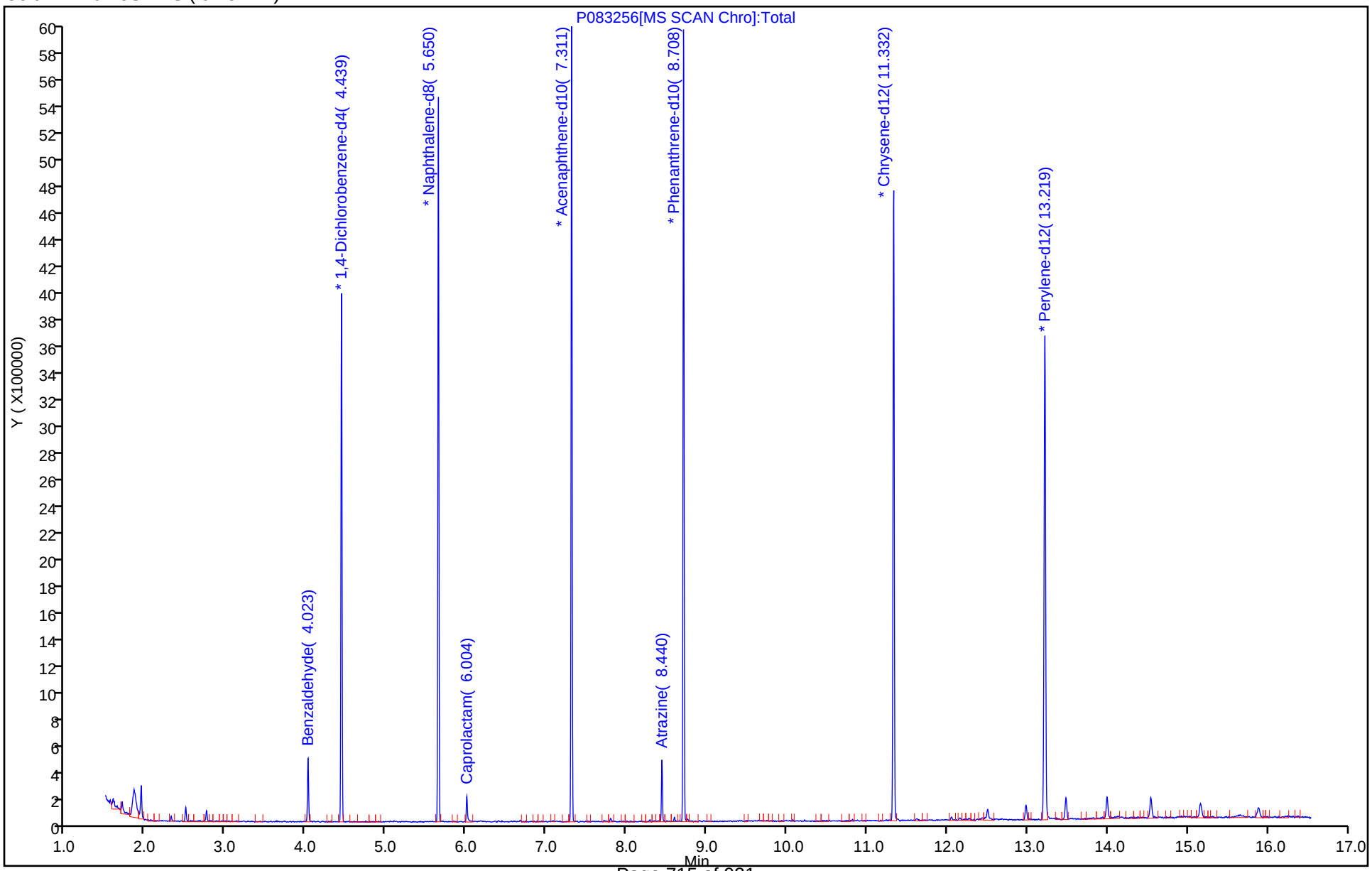
Report Date: 13-Sep-2019 10:38:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083256.D

Injection Date:	12-Sep-2019 15:46:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	16
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Sep-2019 16:07:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-017
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:38:04 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 13-Sep-2019 07:49:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.024	4.021	0.003	94	20800	0.2000	0.1879	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.439	0.000	98	610006	8.00	8.00	
* 38 Naphthalene-d8	136	5.650	5.647	0.003	100	2344747	8.00	8.00	
42 Caprolactam	113	6.004	6.015	-0.011	82	3726	0.2000	0.1372	
* 64 Acenaphthene-d10	164	7.311	7.312	-0.001	97	1226878	8.00	8.00	
83 Atrazine	200	8.439	8.444	-0.005	86	9217	0.2000	0.1749	
* 87 Phenanthrene-d10	188	8.711	8.709	0.002	99	2147568	8.00	8.00	
* 102 Chrysene-d12	240	11.331	11.332	-0.001	99	1869801	8.00	8.00	
* 109 Perylene-d12	264	13.221	13.220	0.001	98	1803767	8.00	8.00	

Reagents:

SM_BNAL1B_00023 Amount Added: 1.00 Units: mL

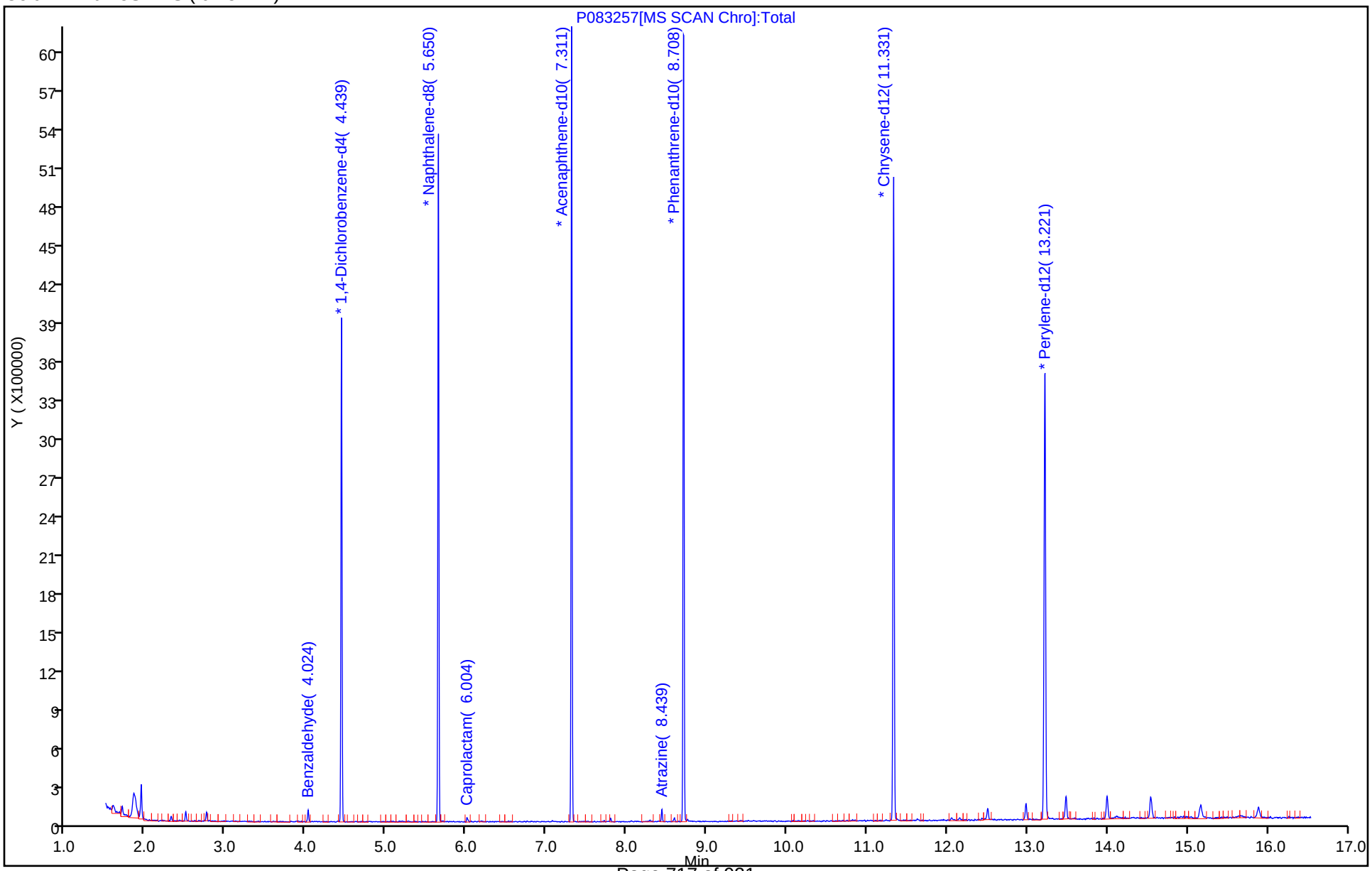
Report Date: 13-Sep-2019 10:38:04 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Injection Date:	12-Sep-2019 16:07:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD02			Worklist Smp#:	17
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270LVI_18	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.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639701/2 Calibration Date: 09/16/2019 19:19

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 11:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 13:37

Lab File ID: A163890.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5569	0.5088	0.0100	9140	10000	-8.6	20.0
N-Nitrosodimethylamine	Ave	0.8415	0.7917		9410	10000	-5.9	20.0
Pyridine	Ave	1.210	1.095		18100	20000	-9.5	20.0
Aniline	Ave	2.111	2.027		9600	10000	-4.0	20.0
Phenol	Ave	1.747	1.732	0.8000	9910	10000	-0.9	20.0
Bis(2-chloroethyl)ether	Ave	1.329	1.282	0.7000	9650	10000	-3.5	20.0
2-Chlorophenol	Ave	1.484	1.463	0.8000	9860	10000	-1.4	20.0
n-Decane	Ave	1.334	1.222	0.0100	9160	10000	-8.4	20.0
1,3-Dichlorobenzene	Ave	1.556	1.547		9940	10000	-0.6	20.0
1,4-Dichlorobenzene	Ave	1.570	1.540		9810	10000	-1.9	20.0
Benzyl alcohol	Ave	0.8665	0.6451	0.0100	7440	10000	-25.6*	20.0
1,2-Dichlorobenzene	Ave	1.490	1.474		9890	10000	-1.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.626	1.526	0.0100	9380	10000	-6.2	20.0
2-Methylphenol	Ave	1.247	1.217	0.7000	9760	10000	-2.4	20.0
N-Methylaniline	Ave	1.921	1.995		10400	10000	3.9	20.0
Acetophenone	Ave	1.820	1.904	0.0100	10500	10000	4.6	20.0
N-Nitrosodi-n-propylamine	Ave	0.8733	0.9024	0.5000	10300	10000	3.3	20.0
3 & 4 Methylphenol	Ave	1.328	1.415		10600	10000	6.5	20.0
4-Methylphenol	Ave	1.324	1.415	0.6000	10700	10000	6.9	20.0
Hexachloroethane	Ave	0.5363	0.5303	0.3000	9890	10000	-1.1	20.0
n,n'-Dimethylaniline	Ave	2.103	2.107	0.0100	10000	10000	0.2	20.0
Nitrobenzene	Ave	0.6568	0.6876	0.2000	10500	10000	4.7	20.0
Isophorone	Ave	0.6093	0.6149	0.4000	10100	10000	0.9	20.0
2-Nitrophenol	Ave	0.1679	0.1888	0.1000	11200	10000	12.4	20.0
2,4-Dimethylphenol	Ave	0.2997	0.2983	0.2000	9960	10000	-0.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.3837	0.3780	0.3000	9850	10000	-1.5	20.0
Benzoic acid	Qua		0.1954		12500	10000	24.7*	20.0
2,4-Dichlorophenol	Ave	0.2659	0.2731	0.2000	10300	10000	2.7	20.0
1,2,4-Trichlorobenzene	Ave	0.2916	0.2963		10200	10000	1.6	20.0
Naphthalene	Ave	1.032	1.012	0.7000	9800	10000	-2.0	20.0
4-Chloroaniline	Ave	0.4192	0.4136	0.0100	9870	10000	-1.3	20.0
Hexachlorobutadiene	Ave	0.1421	0.1496	0.0100	10500	10000	5.3	20.0
4-Chloro-3-methylphenol	Ave	0.2590	0.2770		10700	10000	7.0	20.0
2-Methylnaphthalene	Ave	0.6578	0.6769	0.4000	10300	10000	2.9	20.0
1-Methylnaphthalene	Ave	0.6046	0.6230	0.0100	10300	10000	3.0	20.0
Hexachlorocyclopentadiene	Ave	0.3226	0.3205	0.0500	9930	10000	-0.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5675	0.5460	0.0100	9620	10000	-3.8	20.0
2-tertbutyl-4-methylphenol	Ave	0.4043	0.4411	0.0100	10900	10000	9.1	20.0
2,4,6-Trichlorophenol	Ave	0.3859	0.3841	0.2000	9950	10000	-0.5	20.0
2,4,5-Trichlorophenol	Ave	0.4230	0.4035	0.2000	9540	10000	-4.6	20.0
1,1'-Biphenyl	Ave	1.704	1.599	0.0100	9380	10000	-6.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639701/2 Calibration Date: 09/16/2019 19:19

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 11:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 13:37

Lab File ID: A163890.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.306	1.231	0.8000	9430	10000	-5.7	20.0
Phenyl ether	Ave	0.8465	0.8140	0.0100	9620	10000	-3.8	20.0
2-Nitroaniline	Ave	0.3898	0.3959	0.0100	10200	10000	1.6	20.0
1,3-Dimethylnaphthalene	Ave	1.033	1.038	0.0100	10000	10000	0.5	20.0
Dimethyl phthalate	Ave	1.357	1.342	0.0100	9890	10000	-1.1	20.0
Coumarin	Ave	0.2039	0.2329	0.0100	11400	10000	14.2	20.0
2,6-Dinitrotoluene	Lin2		0.3086	0.2000	10000	10000	0.4	20.0
Acenaphthylene	Ave	1.965	1.884	0.9000	9580	10000	-4.2	20.0
3-Nitroaniline	Ave	0.3463	0.3496	0.0100	10100	10000	1.0	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9438	1.028	0.0100	10900	10000	8.9	20.0
Acenaphthene	Ave	1.264	1.190	0.9000	9410	10000	-5.9	20.0
2,4-Dinitrophenol	Qua		0.1634	0.0100	22200	20000	11.0	20.0
4-Nitrophenol	Ave	0.2112	0.2230	0.0100	21100	20000	5.6	20.0
2,4-Dinitrotoluene	Lin2		0.4034	0.2000	10300	10000	3.3	20.0
Dibenzofuran	Ave	1.680	1.650	0.8000	9820	10000	-1.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2765	0.2949	0.0100	10700	10000	6.6	20.0
Diethyl phthalate	Ave	1.348	1.335	0.0100	9900	10000	-1.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.5548	0.5672	0.4000	10200	10000	2.2	20.0
Fluorene	Ave	1.279	1.282	0.9000	10000	10000	0.3	20.0
4-Nitroaniline	Ave	0.3302	0.3430	0.0100	10400	10000	3.9	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1223	0.0100	20200	20000	0.9	20.0
N-Nitrosodiphenylamine	Ave	0.6214	0.6132	0.0100	9870	10000	-1.3	20.0
1,2-Diphenylhydrazine	Ave	0.8468	0.7927	0.0100	9360	10000	-6.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2090	0.2119	0.1000	10100	10000	1.4	20.0
Hexachlorobenzene	Ave	0.2176	0.2215	0.1000	10200	10000	1.8	20.0
Pentachlorophenol	Ave	0.1198	0.1172	0.0500	19600	20000	-2.2	20.0
Pentachloronitrobenzene	Ave	0.0822	0.0889	0.0100	10800	10000	8.2	20.0
n-Octadecane	Ave	0.4824	0.4743	0.0100	9830	10000	-1.7	20.0
Phenanthrene	Ave	1.173	1.135	0.7000	9670	10000	-3.3	20.0
Anthracene	Ave	1.185	1.157	0.7000	9760	10000	-2.4	20.0
Carbazole	Ave	1.055	0.9938	0.0100	9420	10000	-5.8	20.0
Di-n-butyl phthalate	Ave	1.252	1.291	0.0100	10300	10000	3.1	20.0
Fluoranthene	Ave	1.079	1.037	0.6000	9600	10000	-4.0	20.0
Benzidine	Ave	0.6339	0.5397		8510	10000	-14.9	20.0
Pyrene	Ave	1.753	1.644	0.6000	9380	10000	-6.2	20.0
Bisphenol-A	Ave	0.5431	0.6944		12800	10000	27.9*	20.0
Butyl benzyl phthalate	Ave	0.7228	0.7227	0.0100	10000	10000	-0.0	20.0
2,3,7,8-TCDD	Ave	0.1433	0.1886	0.0100	132	100	31.6*	20.0
Carbamazepine	Lin2		0.6307	0.0100	11100	10000	11.2	20.0
3,3'-Dichlorobenzidine	Ave	0.4690	0.4807	0.0100	10300	10000	2.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639701/2 Calibration Date: 09/16/2019 19:19

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 11:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 13:37

Lab File ID: A163890.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.352	1.300	0.8000	9620	10000	-3.8	20.0
Chrysene	Ave	1.263	1.201	0.7000	9510	10000	-4.9	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8975	0.9188	0.0100	10200	10000	2.4	20.0
Di-n-octyl phthalate	Ave	1.564	1.295	0.0100	8280	10000	-17.2	20.0
Benzo[b]fluoranthene	Ave	1.220	1.171	0.7000	9600	10000	-4.0	20.0
Benzo[k]fluoranthene	Ave	1.277	1.203	0.7000	9420	10000	-5.8	20.0
Benzo[a]pyrene	Ave	1.134	1.156	0.7000	10200	10000	1.9	20.0
Indeno[1,2,3-cd]pyrene	QuaF		1.125	0.5000	9090	10000	-9.1	20.0
Dibenz(a,h)anthracene	Ave	1.198	1.107	0.4000	9240	10000	-7.6	20.0
Benzo[g,h,i]perylene	Ave	1.357	1.060	0.5000	7820	10000	-21.8*	20.0
2-Fluorophenol (Surr)	Ave	1.428	1.369		9590	10000	-4.1	20.0
Phenol-d5 (Surr)	Ave	1.659	1.591		9590	10000	-4.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3452	0.3449		9990	10000	-0.0	20.0
2-Fluorobiphenyl	Ave	1.533	1.423		9290	10000	-7.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1434	0.1721		12000	10000	20.0	20.0
Terphenyl-d14 (Surr)	Ave	1.153	1.046		9070	10000	-9.3	20.0

Report Date: 17-Sep-2019 08:33:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163890.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Sep-2019 19:19:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub1

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:33:40 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: eisam Date: 16-Sep-2019 20:02:23

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	1.993	1.993	0.000	94	482504	10.0	9.14	
2 N-Nitrosodimethylamine	74	2.187	2.187	0.000	91	750840	10.0	9.41	
3 Pyridine	79	2.222	2.222	0.000	94	2077356	20.0	18.1	
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	1298201	10.0	9.59	
$ 6 Phenol-d5	99	4.140	4.140	0.000	0	1508870	10.0	9.59	
8 Aniline	93	4.152	4.152	0.000	89	1922350	10.0	9.60	
7 Phenol	94	4.152	4.152	0.000	91	1642621	10.0	9.91	
9 Bis(2-chloroethyl)ether	93	4.204	4.204	0.000	98	1215859	10.0	9.65	
10 Benzonitrile	103	4.222	4.222	0.000	98	2549564	NC	NC	
11 2-Chlorophenol	128	4.275	4.275	0.000	98	1387405	10.0	9.86	
12 n-Decane	43	4.304	4.304	0.000	89	1158927	10.0	9.16	
13 1,3-Dichlorobenzene	146	4.410	4.410	0.000	96	1467288	10.0	9.94	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	758721	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.475	4.475	0.000	95	1460754	10.0	9.81	
16 Benzyl alcohol	108	4.599	4.599	0.000	94	611781	10.0	7.44	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1397749	10.0	9.89	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.710	0.000	85	1447028	10.0	9.38	
18 2-Methylphenol	108	4.716	4.716	0.000	87	1154361	10.0	9.76	
20 N-Methylaniline	106	4.834	4.834	0.000	96	1891962	10.0	10.4	
22 N-Nitrosodi-n-propylamine	70	4.840	4.840	0.000	70	855830	10.0	10.3	
21 Acetophenone	105	4.840	4.840	0.000	91	1806107	10.0	10.5	
23 3 & 4 Methylphenol	108	4.863	4.863	0.000	98	1341736	10.0	10.6	
24 4-Methylphenol	108	4.863	4.863	0.000	96	1341736	10.0	10.7	
25 Hexachloroethane	117	4.946	4.946	0.000	96	502959	10.0	9.89	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	86	1306109	10.0	10.0	
28 Nitrobenzene	123	5.004	5.004	0.000	96	652141	10.0	10.5	
29 n,n'-Dimethylaniline	120	5.004	5.004	0.000	86	1998020	10.0	10.0	
30 Isophorone	82	5.228	5.228	0.000	99	2328724	10.0	10.1	
32 2-Nitrophenol	139	5.304	5.304	0.000	95	715015	10.0	11.2	
33 2,4-Dimethylphenol	122	5.363	5.363	0.000	92	1129783	10.0	9.96	
34 Bis(2-chloroethoxy)methane	93	5.434	5.434	0.000	98	1431482	10.0	9.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.475	5.475	0.000	80	739987	10.0	12.5	M
36 2,4-Dichlorophenol	162	5.551	5.551	0.000	97	1034298	10.0	10.3	
37 1,2,4-Trichlorobenzene	180	5.616	5.616	0.000	94	1121981	10.0	10.2	
* 38 Naphthalene-d8	136	5.669	5.669	0.000	98	3029595	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.000	99	3831648	10.0	9.80	
40 4-Chloroaniline	127	5.746	5.746	0.000	98	1566265	10.0	9.87	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	95	566534	10.0	10.5	
43 4-Chloro-3-methylphenol	107	6.222	6.222	0.000	95	1049125	10.0	10.7	
44 2-Methylnaphthalene	142	6.340	6.340	0.000	86	2563345	10.0	10.3	
45 1-Methylnaphthalene	142	6.434	6.434	0.000	93	2359174	10.0	10.3	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	97	597168	10.0	9.93	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1017536	10.0	9.62	
48 2-tertbutyl-4-methylphenol	149	6.545	6.545	0.000	92	1670407	10.0	10.9	
49 2,4,6-Trichlorophenol	196	6.616	6.616	0.000	90	715686	10.0	9.95	
50 2,4,5-Trichlorophenol	196	6.657	6.657	0.000	98	751868	10.0	9.54	
$ 51 2-Fluorobiphenyl	172	6.693	6.693	0.000	98	2652095	10.0	9.29	
52 1,1'-Biphenyl	154	6.787	6.787	0.000	95	2979214	10.0	9.38	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	99	2294683	10.0	9.43	
54 Phenyl ether	170	6.881	6.881	0.000	86	1516941	10.0	9.62	
55 2-Nitroaniline	65	6.904	6.904	0.000	95	737824	10.0	10.2	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	1934548	10.0	10.0	
59 Dimethyl phthalate	163	7.075	7.075	0.000	100	2500920	10.0	9.89	
60 Coumarin	146	7.092	7.092	0.000	80	881905	10.0	11.4	
61 2,6-Dinitrotoluene	165	7.128	7.128	0.000	94	575087	10.0	10.0	
62 Acenaphthylene	152	7.192	7.192	0.000	98	3510373	10.0	9.58	
63 3-Nitroaniline	138	7.292	7.292	0.000	98	651459	10.0	10.1	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	93	1490780	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	1915369	10.0	10.9	
66 Acenaphthene	154	7.357	7.357	0.000	94	2216613	10.0	9.41	
67 2,4-Dinitrophenol	184	7.387	7.387	0.000	91	609015	20.0	22.2	a
68 4-Nitrophenol	65	7.487	7.487	0.000	89	831067	20.0	21.1	
69 2,4-Dinitrotoluene	165	7.504	7.504	0.000	95	751741	10.0	10.3	
70 Dibenzofuran	168	7.522	7.522	0.000	99	3074416	10.0	9.82	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	92	549505	10.0	10.7	
73 Diethyl phthalate	149	7.740	7.740	0.000	98	2488345	10.0	9.90	
74 4-Chlorophenyl phenyl ethe	204	7.840	7.840	0.000	87	1056898	10.0	10.2	
75 Fluorene	166	7.845	7.845	0.000	95	2389733	10.0	10.0	
76 4-Nitroaniline	138	7.875	7.875	0.000	92	639228	10.0	10.4	
77 4,6-Dinitro-2-methylphenol	198	7.892	7.892	0.000	88	715813	20.0	20.2	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	79	1794239	10.0	9.87	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	2319302	10.0	9.36	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	320669	10.0	12.0	
81 4-Bromophenyl phenyl ether	248	8.304	8.304	0.000	90	619908	10.0	10.1	
82 Hexachlorobenzene	284	8.369	8.369	0.000	99	648019	10.0	10.2	
84 Pentachlorophenol	266	8.557	8.557	0.000	92	685653	20.0	19.6	
85 Pentachloronitrobenzene	237	8.563	8.563	0.000	87	260201	10.0	10.8	
86 n-Octadecane	57	8.628	8.628	0.000	90	1387622	10.0	9.83	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2340700	8.00	8.00	
88 Phenanthrene	178	8.745	8.745	0.000	97	3321154	10.0	9.67	
89 Anthracene	178	8.792	8.792	0.000	99	3385261	10.0	9.76	
90 Carbazole	167	8.951	8.951	0.000	96	2907645	10.0	9.42	
91 Di-n-butyl phthalate	149	9.275	9.275	0.000	99	3777203	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.863	9.863	0.000	98	3033035	10.0	9.60	
93 Benzidine	184	9.992	9.992	0.000	99	1579123	10.0	8.51	
94 Pyrene	202	10.075	10.075	0.000	98	3014328	10.0	9.38	
95 Bisphenol-A	213	10.198	10.198	0.000	98	1273184	10.0	12.8	
$ 96 Terphenyl-d14	244	10.228	10.228	0.000	100	1917629	10.0	9.07	
97 Butyl benzyl phthalate	149	10.728	10.728	0.000	95	1325111	10.0	10.0	
98 2,3,7,8-TCDD	320	10.828	10.828	0.000	90	3458	0.1000	0.1316	
99 Carbamazepine	193	10.839	10.839	0.000	93	1156442	10.0	11.1	
100 3,3'-Dichlorobenzidine	252	11.310	11.310	0.000	99	881446	10.0	10.3	
101 Benzo[a]anthracene	228	11.328	11.328	0.000	99	2383400	10.0	9.62	
* 102 Chrysene-d12	240	11.339	11.339	0.000	99	1466865	8.00	8.00	
104 Chrysene	228	11.369	11.369	0.000	99	2202555	10.0	9.51	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.380	0.000	87	1684692	10.0	10.2	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	2858000	10.0	8.28	
106 Benzo[b]fluoranthene	252	12.698	12.698	0.000	99	2585817	10.0	9.60	
107 Benzo[k]fluoranthene	252	12.733	12.733	0.000	99	2654448	10.0	9.42	
108 Benzo[a]pyrene	252	13.145	13.145	0.000	97	2550922	10.0	10.2	
* 109 Perylene-d12	264	13.222	13.222	0.000	99	1765887	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.780	14.780	0.000	99	2482303	10.0	9.09	
111 Dibenz(a,h)anthracene	278	14.816	14.816	0.000	97	2444098	10.0	9.24	
112 Benzo[g,h,i]perylene	276	15.210	15.210	0.000	98	2340792	10.0	7.82	

QC Flag Legend

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

Reagents:

SM_BNAL6_00055 Amount Added: 1.00 Units: mL

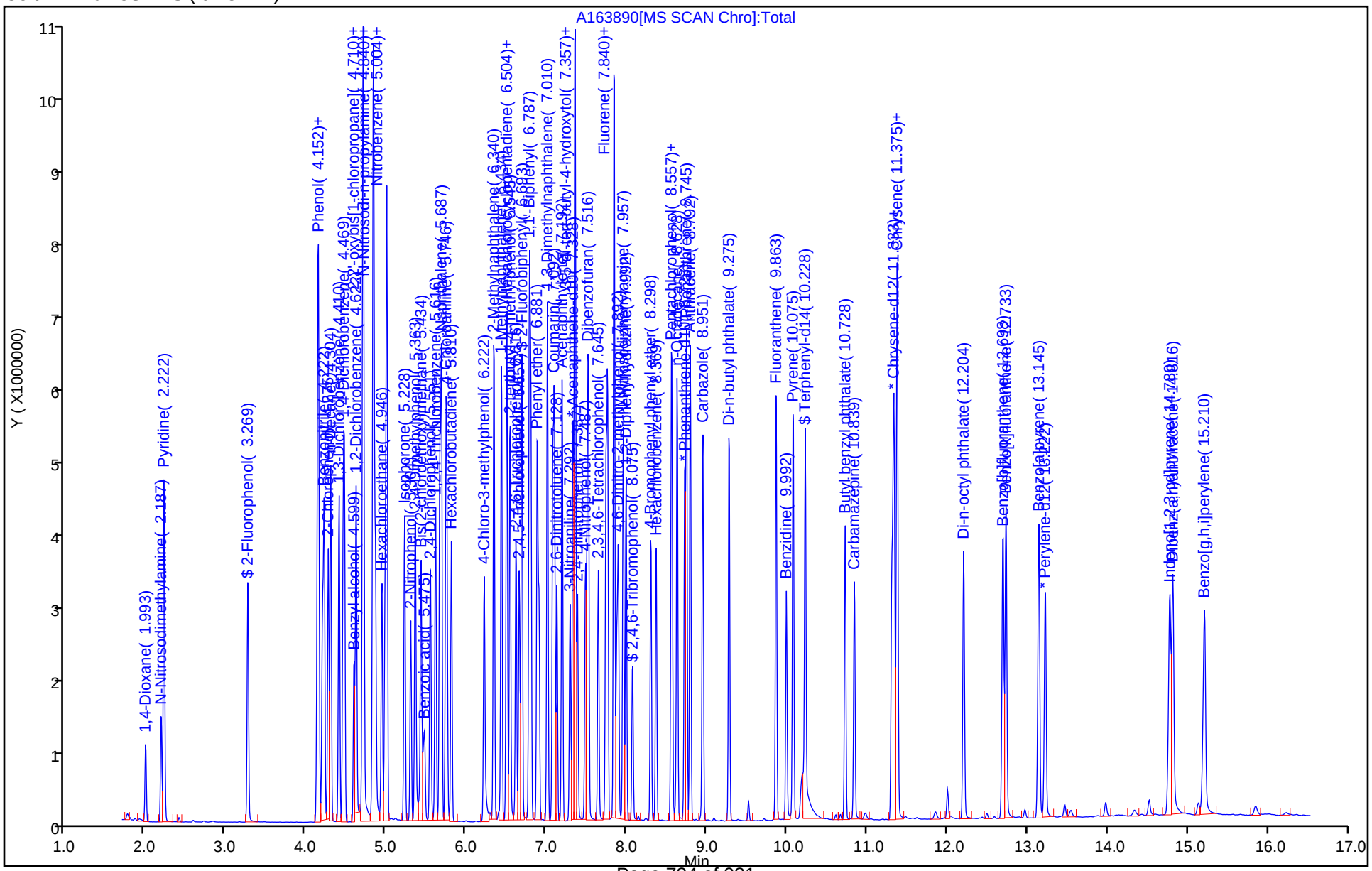
Report Date: 17-Sep-2019 08:33:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163890.D

Injection Date:	16-Sep-2019 19:19:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

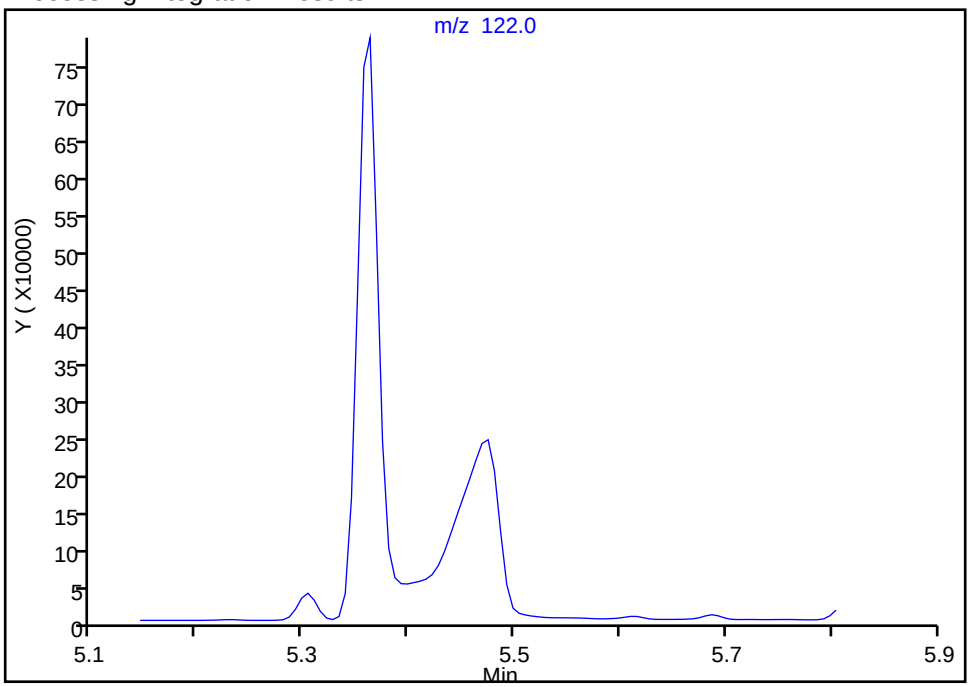
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163890.D
Injection Date: 16-Sep-2019 19:19:30 Instrument ID: CBNAMS16
Lims ID: ccvis
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

Signal: 1

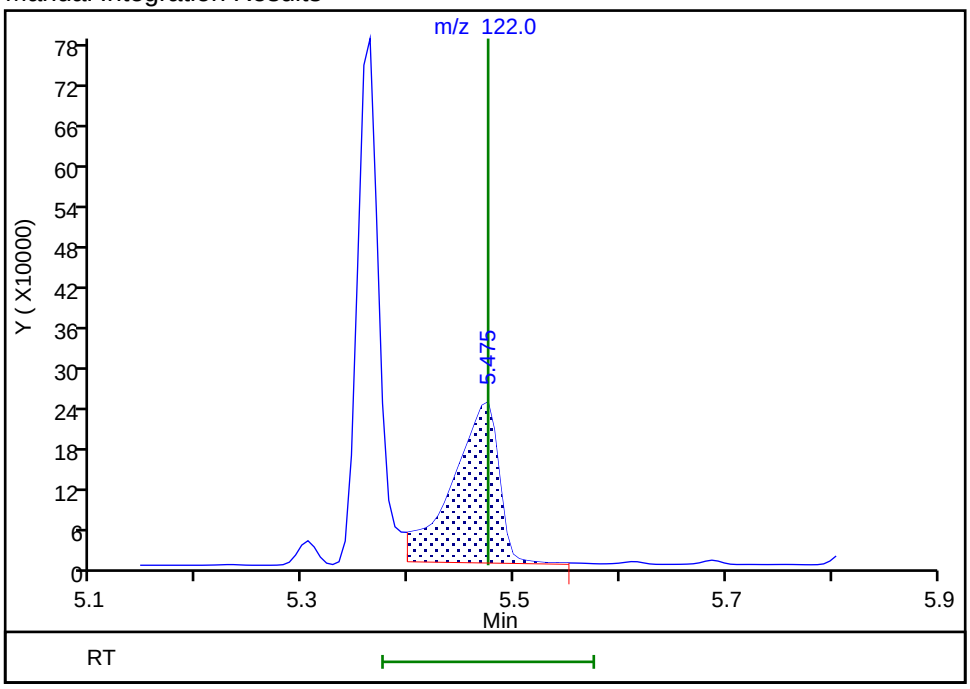
Not Detected
Expected RT: 5.47

Processing Integration Results



Manual Integration Results

RT: 5.47
Area: 739987
Amount: 12.468088
Amount Units: ug/ml



Reviewer: eisam, 16-Sep-2019 19:45:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

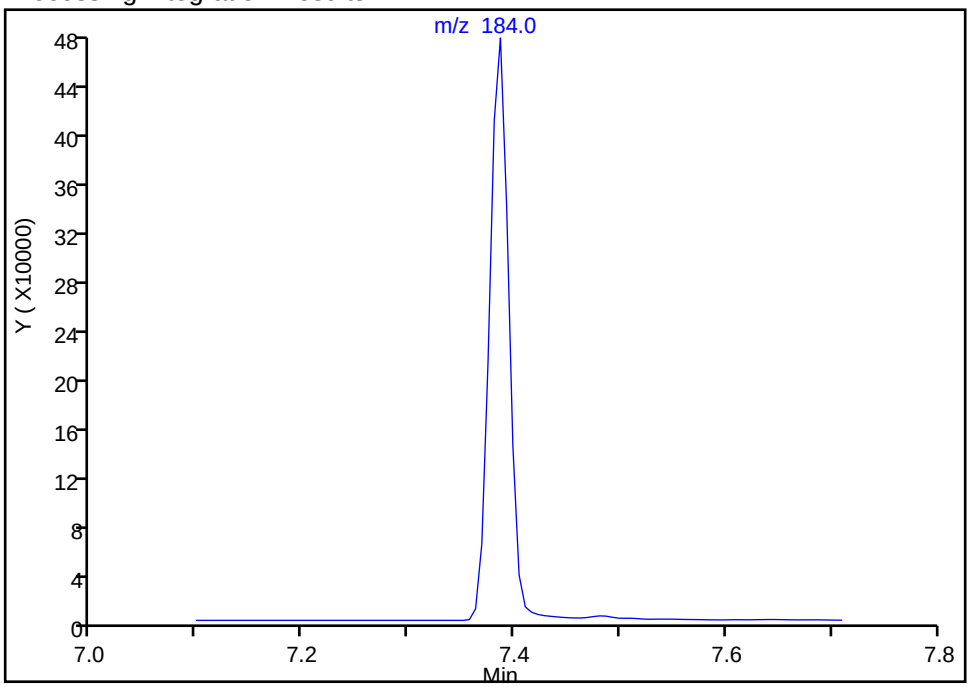
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163890.D
Injection Date: 16-Sep-2019 19:19:30 Instrument ID: CBNAMS16
Lims ID: ccvis
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

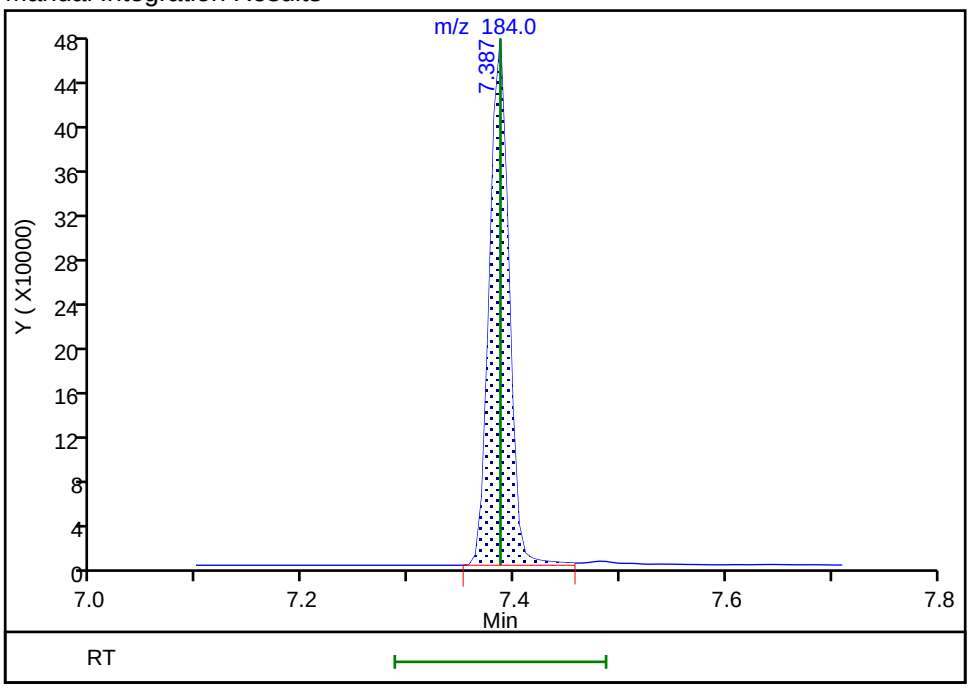
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 609015
Amount: 22.199992
Amount Units: ug/ml



Reviewer: eisam, 16-Sep-2019 19:44:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCV 460-639701/3 Calibration Date: 09/16/2019 19:49

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 13:58

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 16:05

Lab File ID: A163891.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.142	1.176	0.0100	10300	10000	3.0	20.0
Caprolactam	Ave	0.0729	0.0841	0.0100	11500	10000	15.4	20.0
Atrazine	Ave	0.1792	0.2102	0.0100	11700	10000	17.3	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163891.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 16-Sep-2019 19:49:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-003
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub5

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:50:37 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: eisam Date: 16-Sep-2019 20:27:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.046	4.046	0.000	95	1126658	10.0	10.3	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	766243	8.00	8.00	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	3132371	8.00	8.00	
42 Caprolactam	113	6.046	6.046	0.000	95	329195	10.0	11.5	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	95	1500297	8.00	8.00	
83 Atrazine	200	8.463	8.463	0.000	94	625044	10.0	11.7	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2378840	8.00	8.00	
* 102 Chrysene-d12	240	11.333	11.333	0.000	99	1601239	8.00	8.00	
* 109 Perylene-d12	264	13.222	13.222	0.000	98	1770383	8.00	8.00	

Reagents:

SM_BNAL5B_00041 Amount Added: 1.00 Units: mL

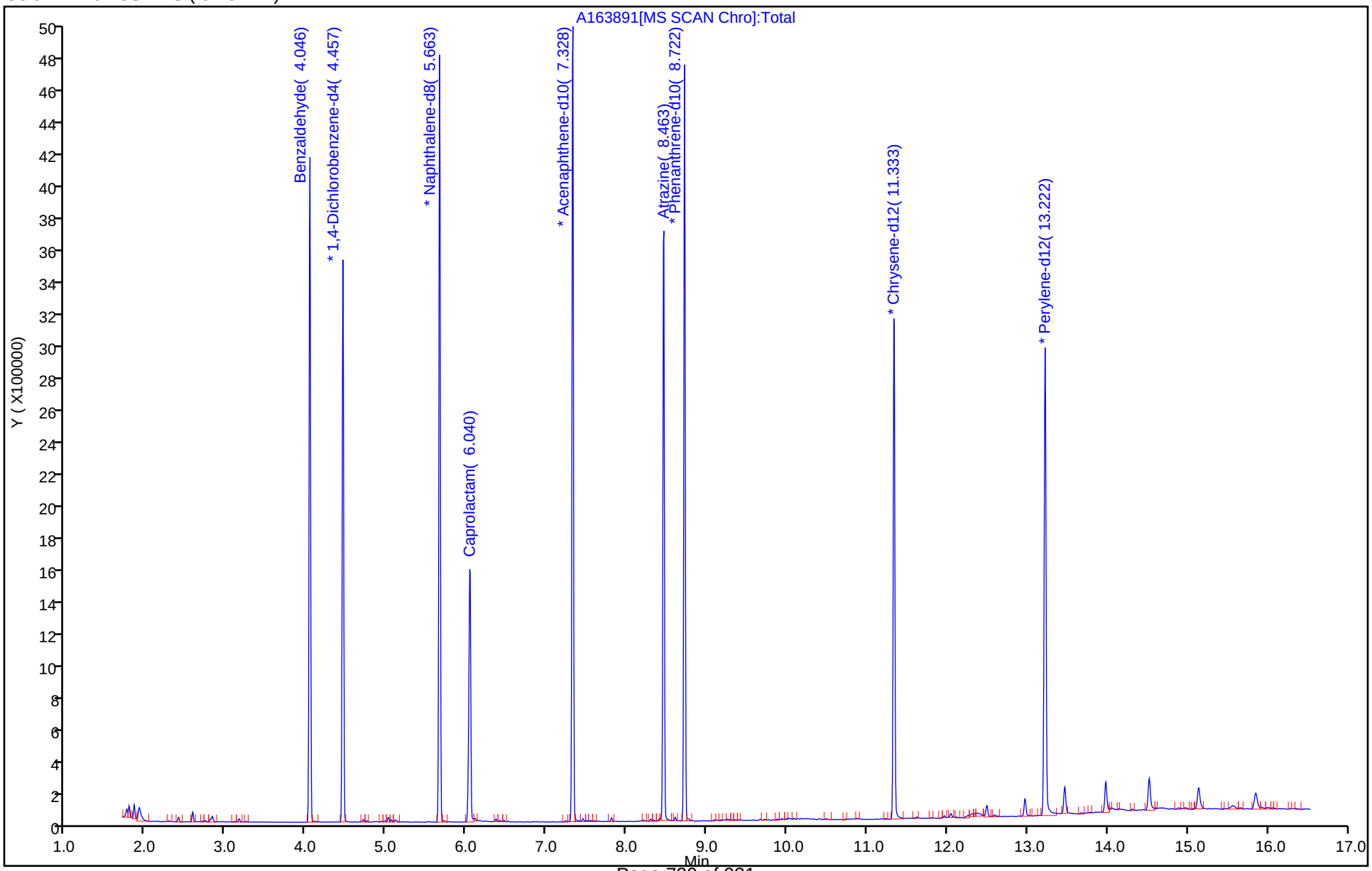
Report Date: 17-Sep-2019 13:50:37 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163891.D

Injection Date:	16-Sep-2019 19:49:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ccv			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: ICV 460-638750/10 Calibration Date: 09/12/2019 13:39

Instrument ID: CBNAMS18 Calib Start Date: 09/12/2019 09:48

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/12/2019 13:18

Lab File ID: P083250.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6206	0.6672	0.0100	5380	5000	7.5	30.0
N-Nitrosodimethylamine	Ave	1.021	1.024		5010	5000	0.3	30.0
Pyridine	Ave	1.406	1.610		11500	10000	14.5	30.0
Phenol	Ave	2.018	2.015	0.8000	4990	5000	-0.1	30.0
Aniline	Ave	2.524	2.595		5140	5000	2.8	30.0
Bis(2-chloroethyl)ether	Ave	1.631	1.593	0.7000	4880	5000	-2.3	30.0
2-Chlorophenol	Ave	1.492	1.538	0.8000	5150	5000	3.1	30.0
n-Decane	Ave	1.553	1.489	0.0100	4790	5000	-4.1	30.0
1,3-Dichlorobenzene	Ave	1.606	1.545		4810	5000	-3.8	30.0
1,4-Dichlorobenzene	Ave	1.607	1.595		4960	5000	-0.8	30.0
Benzyl alcohol	Ave	1.038	1.028	0.0100	4950	5000	-1.0	30.0
1,2-Dichlorobenzene	Ave	1.510	1.509		4990	5000	-0.1	30.0
2-Methylphenol	Ave	1.405	1.416	0.7000	5040	5000	0.8	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.034	2.110	0.0100	5190	5000	3.7	30.0
N-Methylaniline	Ave	2.166	2.239		5170	5000	3.4	30.0
3 & 4 Methylphenol	Ave	1.497	1.527		5100	5000	2.0	30.0
4-Methylphenol	Ave	1.496	1.527	0.6000	5100	5000	2.1	30.0
Acetophenone	Ave	2.094	2.153	0.0100	5140	5000	2.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.153	1.169	0.5000	5070	5000	1.4	30.0
Hexachloroethane	Ave	0.6058	0.6063	0.3000	5000	5000	0.0	30.0
Nitrobenzene	Ave	0.6974	0.6886	0.2000	4940	5000	-1.3	30.0
n,n'-Dimethylaniline	Ave	2.146	2.166	0.0100	5050	5000	1.0	30.0
Isophorone	Ave	0.7915	0.8079	0.4000	5100	5000	2.1	30.0
2-Nitrophenol	Ave	0.1720	0.1742	0.1000	5060	5000	1.3	30.0
2,4-Dimethylphenol	Ave	0.3273	0.3402	0.2000	5200	5000	3.9	30.0
Benzoic acid	Lin2		0.1583		4410	5000	-11.8	30.0
Bis(2-chloroethoxy)methane	Ave	0.4905	0.4945	0.3000	5040	5000	0.8	30.0
2,4-Dichlorophenol	Ave	0.2844	0.2830	0.2000	4980	5000	-0.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3224	0.3318		5140	5000	2.9	30.0
Naphthalene	Ave	1.046	1.090	0.7000	5210	5000	4.2	30.0
4-Chloroaniline	Ave	0.4471	0.4689	0.0100	5240	5000	4.9	30.0
Hexachlorobutadiene	Lin2		0.1822	0.0100	5000	5000	-0.0	30.0
4-Chloro-3-methylphenol	Ave	0.3254	0.3196		4910	5000	-1.8	30.0
2-Methylnaphthalene	Ave	0.6624	0.6604	0.4000	4980	5000	-0.3	30.0
1-Methylnaphthalene	Ave	0.6157	0.6144	0.0100	4990	5000	-0.2	30.0
Hexachlorocyclopentadiene	Ave	0.3961	0.4490	0.0500	5670	5000	13.4	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6212	0.6704	0.0100	5400	5000	7.9	30.0
2-tertbutyl-4-methylphenol	Ave	0.4362	0.4363	0.0100	5000	5000	0.0	30.0
2,4,6-Trichlorophenol	Ave	0.3844	0.4120	0.2000	5360	5000	7.2	30.0
2,4,5-Trichlorophenol	Ave	0.4297	0.4475	0.2000	5210	5000	4.1	30.0
1,1'-Biphenyl	Ave	1.560	1.652	0.0100	5290	5000	5.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: ICV 460-638750/10 Calibration Date: 09/12/2019 13:39

Instrument ID: CBNAMS18 Calib Start Date: 09/12/2019 09:48

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/12/2019 13:18

Lab File ID: P083250.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.237	1.380	0.8000	5580	5000	11.6	30.0
Phenyl ether	Ave	0.8082	0.8303	0.0100	5140	5000	2.7	30.0
2-Nitroaniline	Ave	0.4847	0.5342	0.0100	5510	5000	10.2	30.0
1,3-Dimethylnaphthalene	Ave	0.9606	1.022	0.0100	5320	5000	6.4	30.0
Dimethyl phthalate	Ave	1.433	1.589	0.0100	5540	5000	10.9	30.0
Coumarin	Ave	0.2409	0.2515	0.0100	5220	5000	4.4	30.0
2,6-Dinitrotoluene	Lin2		0.3404	0.2000	5610	5000	12.3	30.0
Acenaphthylene	Ave	1.817	2.077	0.9000	5720	5000	14.3	30.0
3-Nitroaniline	Ave	0.3331	0.3869	0.0100	5810	5000	16.1	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.080	1.184	0.0100	5480	5000	9.6	30.0
Acenaphthene	Ave	1.170	1.224	0.9000	5230	5000	4.6	30.0
2,4-Dinitrophenol	Lin2		0.1684	0.0100	10000	10000	0.3	30.0
4-Nitrophenol	Ave	0.2926	0.3397	0.0100	11600	10000	16.1	30.0
2,4-Dinitrotoluene	Ave	0.3855	0.4455	0.2000	5780	5000	15.6	30.0
Dibenzofuran	Ave	1.628	1.826	0.8000	5610	5000	12.2	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3440	0.3720	0.0100	5410	5000	8.1	30.0
Diethyl phthalate	Ave	1.457	1.599	0.0100	5490	5000	9.8	30.0
4-Chlorophenyl phenyl ether	Ave	0.6616	0.7488	0.4000	5660	5000	13.2	30.0
Fluorene	Ave	1.302	1.422	0.9000	5460	5000	9.2	30.0
4-Nitroaniline	Ave	0.3526	0.3907	0.0100	5540	5000	10.8	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1175	0.1192	0.0100	10100	10000	1.4	30.0
N-Nitrosodiphenylamine	Ave	0.5836	0.5906	0.0100	5060	5000	1.2	30.0
1,2-Diphenylhydrazine	Ave	0.9772	0.9811	0.0100	5020	5000	0.4	30.0
4-Bromophenyl phenyl ether	Ave	0.2442	0.2325	0.1000	4760	5000	-4.8	30.0
Hexachlorobenzene	Ave	0.2727	0.2740	0.1000	5020	5000	0.5	30.0
Pentachlorophenol	Ave	0.1597	0.1595	0.0500	9980	10000	-0.2	30.0
Pentachloronitrobenzene	Ave	0.1051	0.1138	0.0100	5410	5000	8.3	30.0
n-Octadecane	Ave	0.5823	0.6184	0.0100	5310	5000	6.2	30.0
Phenanthrene	Ave	1.167	1.196	0.7000	5120	5000	2.5	30.0
Anthracene	Ave	1.196	1.236	0.7000	5170	5000	3.3	30.0
Carbazole	Ave	1.052	1.094	0.0100	5200	5000	4.1	30.0
Di-n-butyl phthalate	Ave	1.331	1.471	0.0100	5520	5000	10.5	30.0
Fluoranthene	Ave	1.202	1.282	0.6000	5330	5000	6.6	30.0
Benzidine	Ave	0.6837	0.6346		4640	5000	-7.2	30.0
Pyrene	Ave	1.473	1.505	0.6000	5110	5000	2.1	30.0
Bisphenol-A	Ave	0.5995	0.6111		5100	5000	1.9	30.0
Butyl benzyl phthalate	Ave	0.6130	0.6498	0.0100	5300	5000	6.0	30.0
Carbamazepine	Lin2		0.4737	0.0100	5130	5000	2.6	30.0
3,3'-Dichlorobenzidine	Ave	0.4559	0.4755	0.0100	5210	5000	4.3	30.0
Benzo[a]anthracene	Ave	1.302	1.352	0.8000	5190	5000	3.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: ICV 460-638750/10 Calibration Date: 09/12/2019 13:39

Instrument ID: CBNAMS18 Calib Start Date: 09/12/2019 09:48

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/12/2019 13:18

Lab File ID: P083250.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.234	1.189	0.7000	4820	5000	-3.7	30.0
Bis(2-ethylhexyl) phthalate	Lin2		0.9181	0.0100	5280	5000	5.7	30.0
Di-n-octyl phthalate	Ave	1.366	1.542	0.0100	5650	5000	13.0	30.0
Benzo[b]fluoranthene	Ave	1.147	1.273	0.7000	5550	5000	11.0	30.0
Benzo[k]fluoranthene	Ave	1.195	1.315	0.7000	5500	5000	10.1	30.0
Benzo[a]pyrene	Ave	1.092	1.162	0.7000	5320	5000	6.4	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9923	0.9941	0.5000	5010	5000	0.2	30.0
Dibenz(a,h)anthracene	Ave	1.008	1.036	0.4000	5140	5000	2.7	30.0
Benzo[g,h,i]perylene	Ave	1.032	1.000	0.5000	4840	5000	-3.1	30.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083250.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 12-Sep-2019 13:39:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-010
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:37:43 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 14:13:25

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	1.854	1.848	0.006	94	254005	5.00	5.38	
2 N-Nitrosodimethylamine	74	2.065	2.062	0.003	94	389910	5.00	5.01	
3 Pyridine	79	2.103	2.097	0.006	95	1225928	10.0	11.5	
7 Phenol	94	4.085	4.090	-0.005	98	767207	5.00	4.99	
8 Aniline	93	4.120	4.122	-0.002	100	987743	5.00	5.14	
9 Bis(2-chloroethyl)ether	93	4.177	4.179	-0.002	96	606316	5.00	4.88	
10 Benzonitrile	103	4.196	4.198	-0.002	99	1185727	NC	NC	
11 2-Chlorophenol	128	4.238	4.240	-0.002	94	585597	5.00	5.15	
12 n-Decane	43	4.289	4.291	-0.002	88	567010	5.00	4.79	
13 1,3-Dichlorobenzene	146	4.388	4.390	-0.002	93	588133	5.00	4.81	
* 14 1,4-Dichlorobenzene-d4	152	4.440	4.442	-0.002	97	609121	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.456	4.458	-0.002	92	607081	5.00	4.96	
16 Benzyl alcohol	108	4.561	4.563	-0.002	91	391419	5.00	4.95	
17 1,2-Dichlorobenzene	146	4.603	4.605	-0.002	92	574336	5.00	4.99	
18 2-Methylphenol	108	4.667	4.669	-0.002	88	539083	5.00	5.04	
19 2,2'-oxybis[1-chloropropan	45	4.695	4.698	-0.003	94	803092	5.00	5.19	
20 N-Methylaniline	106	4.807	4.810	-0.003	86	852552	5.00	5.17	
24 4-Methylphenol	108	4.814	4.816	-0.002	82	581229	5.00	5.10	
23 3 & 4 Methylphenol	108	4.814	4.816	-0.002	95	581229	5.00	5.10	
21 Acetophenone	105	4.817	4.819	-0.002	87	819555	5.00	5.14	
22 N-Nitrosodi-n-propylamine	70	4.817	4.819	-0.002	76	445128	5.00	5.07	
25 Hexachloroethane	117	4.926	4.928	-0.002	95	230814	5.00	5.00	
28 Nitrobenzene	123	4.980	4.983	-0.003	96	262132	5.00	4.94	
29 n,n'-Dimethylaniline	120	4.986	4.986	0.000	92	824686	5.00	5.05	
30 Isophorone	82	5.204	5.207	-0.003	99	1169436	5.00	5.10	
32 2-Nitrophenol	139	5.284	5.287	-0.003	87	252172	5.00	5.06	
33 2,4-Dimethylphenol	122	5.322	5.325	-0.003	90	492429	5.00	5.20	
35 Benzoic acid	122	5.393	5.409	-0.016	88	229190	5.00	4.41	
34 Bis(2-chloroethoxy)methane	93	5.412	5.415	-0.003	99	715811	5.00	5.04	
36 2,4-Dichlorophenol	162	5.511	5.514	-0.003	94	409609	5.00	4.98	
37 1,2,4-Trichlorobenzene	180	5.597	5.598	-0.001	94	480229	5.00	5.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 38 Naphthalene-d8	136	5.649	5.652	-0.003	100	2315881	8.00	8.00	
39 Naphthalene	128	5.668	5.671	-0.003	99	1578071	5.00	5.21	
40 4-Chloroaniline	127	5.719	5.719	0.000	95	678658	5.00	5.24	
41 Hexachlorobutadiene	225	5.799	5.799	0.000	95	263668	5.00	5.00	
43 4-Chloro-3-methylphenol	107	6.176	6.177	-0.001	94	462607	5.00	4.91	
44 2-Methylnaphthalene	142	6.327	6.328	-0.001	85	955866	5.00	4.98	
45 1-Methylnaphthalene	142	6.419	6.421	-0.002	92	889275	5.00	4.99	
46 Hexachlorocyclopentadiene	237	6.487	6.488	-0.001	96	304500	5.00	5.67	
47 1,2,4,5-Tetrachlorobenzene	216	6.490	6.491	-0.001	96	454690	5.00	5.40	
48 2-tertbutyl-4-methylphenol	149	6.519	6.520	-0.001	89	631537	5.00	5.00	
49 2,4,6-Trichlorophenol	196	6.592	6.594	-0.002	88	279464	5.00	5.36	
50 2,4,5-Trichlorophenol	196	6.624	6.626	-0.002	95	303522	5.00	5.21	
52 1,1'-Biphenyl	154	6.768	6.770	-0.002	96	1120466	5.00	5.29	
53 2-Chloronaphthalene	162	6.784	6.789	-0.005	97	936080	5.00	5.58	
54 Phenyl ether	170	6.871	6.873	-0.002	91	563121	5.00	5.14	
55 2-Nitroaniline	65	6.880	6.882	-0.002	94	362284	5.00	5.51	
57 1,3-Dimethylnaphthalene	156	6.995	6.997	-0.002	91	693292	5.00	5.32	
59 Dimethyl phthalate	163	7.056	7.061	-0.005	98	1077636	5.00	5.54	
60 Coumarin	146	7.072	7.078	-0.006	79	364069	5.00	5.22	
61 2,6-Dinitrotoluene	165	7.107	7.110	-0.003	94	230882	5.00	5.61	
62 Acenaphthylene	152	7.178	7.180	-0.002	97	1408759	5.00	5.72	
63 3-Nitroaniline	138	7.264	7.270	-0.006	94	262398	5.00	5.81	
* 64 Acenaphthene-d10	164	7.312	7.315	-0.003	98	1085194	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.338	7.340	-0.002	98	803029	5.00	5.48	
66 Acenaphthene	154	7.344	7.347	-0.003	96	830217	5.00	5.23	
67 2,4-Dinitrophenol	184	7.364	7.366	-0.002	91	228363	10.0	10.0	
68 4-Nitrophenol	65	7.424	7.427	-0.003	94	460835	10.0	11.6	
69 2,4-Dinitrotoluene	165	7.488	7.491	-0.003	92	302154	5.00	5.78	
70 Dibenzofuran	168	7.504	7.507	-0.003	96	1238636	5.00	5.61	
72 2,3,4,6-Tetrachlorophenol	232	7.623	7.626	-0.003	93	252288	5.00	5.41	
73 Diethyl phthalate	149	7.725	7.728	-0.003	98	1084691	5.00	5.49	
75 Fluorene	166	7.828	7.831	-0.003	94	964455	5.00	5.46	
74 4-Chlorophenyl phenyl ethe	204	7.828	7.831	-0.003	78	507901	5.00	5.66	
76 4-Nitroaniline	138	7.840	7.847	-0.007	95	264960	5.00	5.54	
77 4,6-Dinitro-2-methylphenol	198	7.872	7.876	-0.004	82	294543	10.0	10.1	
78 N-Nitrosodiphenylamine	169	7.937	7.943	-0.006	99	730026	5.00	5.06	
79 1,2-Diphenylhydrazine	77	7.978	7.981	-0.003	98	1212736	5.00	5.02	
81 4-Bromophenyl phenyl ether	248	8.288	8.292	-0.004	87	287402	5.00	4.76	
82 Hexachlorobenzene	284	8.352	8.356	-0.004	97	338698	5.00	5.02	
84 Pentachlorophenol	266	8.535	8.539	-0.004	93	394174	10.0	9.98	
85 Pentachloronitrobenzene	237	8.551	8.555	-0.004	88	140652	5.00	5.41	
86 n-Octadecane	57	8.621	8.625	-0.004	88	764324	5.00	5.31	
* 87 Phenanthrene-d10	188	8.711	8.712	-0.001	99	1977704	8.00	8.00	
88 Phenanthrene	178	8.733	8.734	-0.001	98	1478885	5.00	5.12	
89 Anthracene	178	8.778	8.782	-0.004	98	1527555	5.00	5.17	
90 Carbazole	167	8.929	8.933	-0.004	96	1352767	5.00	5.20	
91 Di-n-butyl phthalate	149	9.271	9.272	-0.001	100	1817652	5.00	5.52	
92 Fluoranthene	202	9.856	9.858	-0.002	98	1584588	5.00	5.33	
93 Benzidine	184	9.977	9.983	-0.006	99	784340	5.00	4.64	
94 Pyrene	202	10.067	10.070	-0.003	97	1644277	5.00	5.11	
95 Bisphenol-A	213	10.115	10.118	-0.003	98	667723	5.00	5.10	
97 Butyl benzyl phthalate	149	10.723	10.727	-0.004	97	710031	5.00	5.30	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	10.828	10.832	-0.004	93	517679	5.00	5.13	
100 3,3'-Dichlorobenzidine	252	11.299	11.303	-0.004	100	519641	5.00	5.21	
101 Benzo[a]anthracene	228	11.321	11.326	-0.005	99	1477609	5.00	5.19	
* 102 Chrysene-d12	240	11.334	11.339	-0.005	99	1748393	8.00	8.00	
104 Chrysene	228	11.363	11.367	-0.004	98	1298908	5.00	4.82	
103 Bis(2-ethylhexyl) phthalat	149	11.382	11.384	-0.002	88	1003222	5.00	5.28	
105 Di-n-octyl phthalate	149	12.207	12.213	-0.006	97	1550125	5.00	5.65	
106 Benzo[b]fluoranthene	252	12.688	12.694	-0.006	99	1278875	5.00	5.55	
107 Benzo[k]fluoranthene	252	12.726	12.732	-0.006	99	1321960	5.00	5.50	
108 Benzo[a]pyrene	252	13.136	13.142	-0.006	97	1167602	5.00	5.32	
* 109 Perylene-d12	264	13.219	13.225	-0.006	98	1607967	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.768	14.779	-0.011	98	999073	5.00	5.01	
111 Dibenz(a,h)anthracene	278	14.807	14.818	-0.011	98	1041096	5.00	5.14	
112 Benzo[g,h,i]perylene	276	15.198	15.212	-0.014	98	1004723	5.00	4.84	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ICV LVI_00029 Amount Added: 1.00 Units: mL

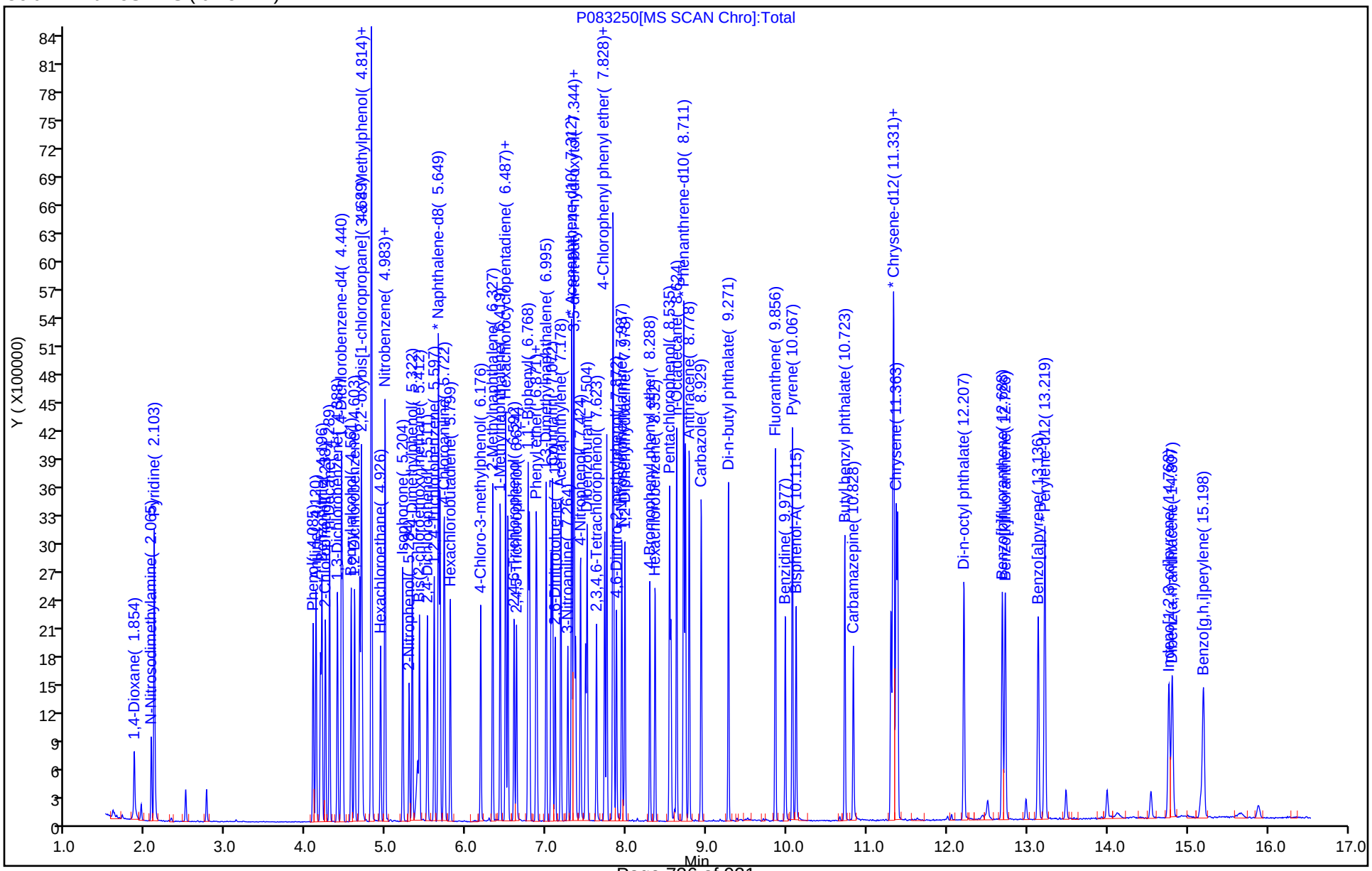
Report Date: 13-Sep-2019 10:37:48 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083250.D

Injection Date:	12-Sep-2019 13:39:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_18	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.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639842/2 Calibration Date: 09/17/2019 08:57

Instrument ID: CBNAMS18 Calib Start Date: 09/12/2019 09:48

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/12/2019 13:18

Lab File ID: P083346.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6206	0.5851	0.0100	9430	10000	-5.7	20.0
N-Nitrosodimethylamine	Ave	1.021	0.9875		9670	10000	-3.3	20.0
Pyridine	Ave	1.406	1.291		18400	20000	-8.1	20.0
Phenol	Ave	2.018	1.922	0.8000	9530	10000	-4.7	20.0
Aniline	Ave	2.524	2.386		9460	10000	-5.4	20.0
Bis(2-chloroethyl)ether	Ave	1.631	1.561	0.7000	9570	10000	-4.3	20.0
2-Chlorophenol	Ave	1.492	1.429	0.8000	9580	10000	-4.2	20.0
n-Decane	Ave	1.553	1.373	0.0100	8840	10000	-11.6	20.0
1,3-Dichlorobenzene	Ave	1.606	1.511		9410	10000	-5.9	20.0
1,4-Dichlorobenzene	Ave	1.607	1.547		9630	10000	-3.7	20.0
Benzyl alcohol	Ave	1.038	0.9842	0.0100	9480	10000	-5.2	20.0
1,2-Dichlorobenzene	Ave	1.510	1.475		9760	10000	-2.4	20.0
2-Methylphenol	Ave	1.405	1.342	0.7000	9550	10000	-4.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.034	1.915	0.0100	9420	10000	-5.8	20.0
N-Methylaniline	Ave	2.166	2.181		10100	10000	0.7	20.0
3 & 4 Methylphenol	Ave	1.497	1.488		9940	10000	-0.6	20.0
4-Methylphenol	Ave	1.496	1.461	0.6000	9770	10000	-2.3	20.0
Acetophenone	Ave	2.094	2.019	0.0100	9640	10000	-3.6	20.0
N-Nitrosodi-n-propylamine	Ave	1.153	1.087	0.5000	9430	10000	-5.7	20.0
Hexachloroethane	Ave	0.6058	0.6173	0.3000	10200	10000	1.9	20.0
Nitrobenzene	Ave	0.6974	0.7133	0.2000	10200	10000	2.3	20.0
n,n'-Dimethylaniline	Ave	2.146	2.229	0.0100	10400	10000	3.9	20.0
Isophorone	Ave	0.7915	0.7880	0.4000	9960	10000	-0.4	20.0
2-Nitrophenol	Ave	0.1720	0.1861	0.1000	10800	10000	8.2	20.0
2,4-Dimethylphenol	Ave	0.3273	0.3274	0.2000	10000	10000	0.0	20.0
Benzoic acid	Lin2		0.1477		7670	10000	-23.3*	20.0
Bis(2-chloroethoxy)methane	Ave	0.4905	0.4861	0.3000	9910	10000	-0.9	20.0
2,4-Dichlorophenol	Ave	0.2844	0.2912	0.2000	10200	10000	2.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3224	0.3091		9590	10000	-4.1	20.0
Naphthalene	Ave	1.046	1.023	0.7000	9780	10000	-2.2	20.0
4-Chloroaniline	Ave	0.4471	0.4391	0.0100	9820	10000	-1.8	20.0
Hexachlorobutadiene	Lin2		0.1820	0.0100	10000	10000	0.2	20.0
4-Chloro-3-methylphenol	Ave	0.3254	0.3259		10000	10000	0.1	20.0
2-Methylnaphthalene	Ave	0.6624	0.6620	0.4000	9990	10000	-0.0	20.0
1-Methylnaphthalene	Ave	0.6157	0.6099	0.0100	9910	10000	-0.9	20.0
Hexachlorocyclopentadiene	Ave	0.3961	0.4166	0.0500	10500	10000	5.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6212	0.5953	0.0100	9580	10000	-4.2	20.0
2-tertbutyl-4-methylphenol	Ave	0.4362	0.4476	0.0100	10300	10000	2.6	20.0
2,4,6-Trichlorophenol	Ave	0.3844	0.3939	0.2000	10200	10000	2.5	20.0
2,4,5-Trichlorophenol	Ave	0.4297	0.4302	0.2000	10000	10000	0.1	20.0
1,1'-Biphenyl	Ave	1.560	1.530	0.0100	9810	10000	-1.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639842/2 Calibration Date: 09/17/2019 08:57

Instrument ID: CBNAMS18 Calib Start Date: 09/12/2019 09:48

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/12/2019 13:18

Lab File ID: P083346.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.237	1.215	0.8000	9820	10000	-1.8	20.0
Phenyl ether	Ave	0.8082	0.8070	0.0100	9980	10000	-0.2	20.0
2-Nitroaniline	Ave	0.4847	0.4964	0.0100	10200	10000	2.4	20.0
1,3-Dimethylnaphthalene	Ave	0.9606	0.9858	0.0100	10300	10000	2.6	20.0
Dimethyl phthalate	Ave	1.433	1.376	0.0100	9600	10000	-4.0	20.0
Coumarin	Ave	0.2409	0.2405	0.0100	9980	10000	-0.2	20.0
2,6-Dinitrotoluene	Lin2		0.3089	0.2000	10100	10000	1.1	20.0
Acenaphthylene	Ave	1.817	1.763	0.9000	9700	10000	-3.0	20.0
3-Nitroaniline	Ave	0.3331	0.3341	0.0100	10000	10000	0.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.080	1.110	0.0100	10300	10000	2.7	20.0
Acenaphthene	Ave	1.170	1.058	0.9000	9040	10000	-9.6	20.0
2,4-Dinitrophenol	Lin2		0.1391	0.0100	16000	20000	-20.0	20.0
4-Nitrophenol	Ave	0.2926	0.2684	0.0100	18300	20000	-8.3	20.0
2,4-Dinitrotoluene	Ave	0.3855	0.4058	0.2000	10500	10000	5.3	20.0
Dibenzofuran	Ave	1.628	1.621	0.8000	9960	10000	-0.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3440	0.3346	0.0100	9730	10000	-2.7	20.0
Diethyl phthalate	Ave	1.457	1.379	0.0100	9470	10000	-5.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6616	0.6301	0.4000	9520	10000	-4.8	20.0
Fluorene	Ave	1.302	1.238	0.9000	9500	10000	-5.0	20.0
4-Nitroaniline	Ave	0.3526	0.3318	0.0100	9410	10000	-5.9	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1175	0.1169	0.0100	19900	20000	-0.5	20.0
N-Nitrosodiphenylamine	Ave	0.5836	0.5963	0.0100	10200	10000	2.2	20.0
1,2-Diphenylhydrazine	Ave	0.9772	1.001	0.0100	10200	10000	2.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2442	0.2416	0.1000	9890	10000	-1.1	20.0
Hexachlorobenzene	Ave	0.2727	0.2674	0.1000	9800	10000	-2.0	20.0
Pentachlorophenol	Ave	0.1597	0.1449	0.0500	18100	20000	-9.3	20.0
Pentachloronitrobenzene	Ave	0.1051	0.1123	0.0100	10700	10000	6.8	20.0
n-Octadecane	Ave	0.5823	0.6387	0.0100	11000	10000	9.7	20.0
Phenanthrene	Ave	1.167	1.128	0.7000	9660	10000	-3.4	20.0
Anthracene	Ave	1.196	1.148	0.7000	9600	10000	-4.0	20.0
Carbazole	Ave	1.052	0.9716	0.0100	9240	10000	-7.6	20.0
Di-n-butyl phthalate	Ave	1.331	1.313	0.0100	9860	10000	-1.4	20.0
Fluoranthene	Ave	1.202	1.066	0.6000	8870	10000	-11.3	20.0
Benzidine	Ave	0.6837	0.6342		9280	10000	-7.2	20.0
Pyrene	Ave	1.473	1.621	0.6000	11000	10000	10.1	20.0
Bisphenol-A	Ave	0.5995	0.6704		11200	10000	11.8	20.0
Butyl benzyl phthalate	Ave	0.6130	0.6655	0.0100	10900	10000	8.6	20.0
2,3,7,8-TCDD	Ave	0.2020	0.1084	0.0100	53.7	100	-46.3*	20.0
Carbamazepine	Lin2		0.5220	0.0100	10800	10000	8.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4559	0.4539	0.0100	9950	10000	-0.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639842/2 Calibration Date: 09/17/2019 08:57

Instrument ID: CBNAMS18 Calib Start Date: 09/12/2019 09:48

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/12/2019 13:18

Lab File ID: P083346.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.302	1.247	0.8000	9580	10000	-4.2	20.0
Chrysene	Ave	1.234	1.192	0.7000	9660	10000	-3.4	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.9022	0.0100	10300	10000	3.1	20.0
Di-n-octyl phthalate	Ave	1.366	1.482	0.0100	10900	10000	8.6	20.0
Benzo[b]fluoranthene	Ave	1.147	1.152	0.7000	10000	10000	0.4	20.0
Benzo[k]fluoranthene	Ave	1.195	1.202	0.7000	10100	10000	0.6	20.0
Benzo[a]pyrene	Ave	1.092	1.102	0.7000	10100	10000	0.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9923	1.166	0.5000	11800	10000	17.5	20.0
Dibenz(a,h)anthracene	Ave	1.008	1.148	0.4000	11400	10000	13.9	20.0
Benzo[g,h,i]perylene	Ave	1.032	1.188	0.5000	11500	10000	15.2	20.0
2-Fluorophenol (Surr)	Ave	1.522	1.443		9480	10000	-5.2	20.0
Phenol-d5 (Surr)	Ave	1.904	1.829		9610	10000	-3.9	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4348	0.4232		9730	10000	-2.7	20.0
2-Fluorobiphenyl	Ave	1.495	1.375		9200	10000	-8.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2268	0.2223		9800	10000	-2.0	20.0
Terphenyl-d14 (Surr)	Ave	1.101	1.141		10400	10000	3.7	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083346.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Sep-2019 08:57:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub1

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 11:12:19 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: johnstonm1 Date: 17-Sep-2019 09:17:39

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.851	1.851	0.000	92	434522	10.0	9.43	
	2 N-Nitrosodimethylamine	74	2.065	2.065	0.000	94	733354	10.0	9.67	
	3 Pyridine	79	2.100	2.100	0.000	97	1917717	20.0	18.4	
$	4 2-Fluorophenol	112	3.199	3.199	0.000	95	1071830	10.0	9.48	
$	6 Phenol-d5	99	4.081	4.081	0.000	97	1358461	10.0	9.61	
	7 Phenol	94	4.090	4.090	0.000	98	1427279	10.0	9.53	
	8 Aniline	93	4.122	4.122	0.000	99	1772154	10.0	9.46	
	9 Bis(2-chloroethyl)ether	93	4.177	4.177	0.000	97	1159182	10.0	9.57	
	10 Benzonitrile	103	4.196	4.196	0.000	99	2294796	NC	NC	
	11 2-Chlorophenol	128	4.241	4.241	0.000	93	1061112	10.0	9.58	
	12 n-Decane	43	4.289	4.289	0.000	87	1019343	10.0	8.84	
	13 1,3-Dichlorobenzene	146	4.388	4.388	0.000	93	1121922	10.0	9.41	
*	14 1,4-Dichlorobenzene-d4	152	4.439	4.439	0.000	97	594086	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.455	4.455	0.000	93	1148900	10.0	9.63	
	16 Benzyl alcohol	108	4.564	4.564	0.000	93	730904	10.0	9.48	
	17 1,2-Dichlorobenzene	146	4.602	4.602	0.000	94	1095033	10.0	9.76	
	18 2-Methylphenol	108	4.672	4.672	0.000	90	996779	10.0	9.55	
	19 2,2'-oxybis[1-chloropropan	45	4.695	4.695	0.000	94	1422269	10.0	9.42	
	20 N-Methylaniline	106	4.810	4.810	0.000	95	1619495	10.0	10.1	
	24 4-Methylphenol	108	4.816	4.816	0.000	73	1085016	10.0	9.77	
	23 3 & 4 Methylphenol	108	4.816	4.816	0.000	95	1105095	10.0	9.94	
	21 Acetophenone	105	4.819	4.819	0.000	88	1499618	10.0	9.64	
	22 N-Nitrosodi-n-propylamine	70	4.819	4.819	0.000	84	807419	10.0	9.43	
	25 Hexachloroethane	117	4.925	4.925	0.000	94	458430	10.0	10.2	
$	27 Nitrobenzene-d5	82	4.963	4.963	0.000	86	1222040	10.0	9.73	
	28 Nitrobenzene	123	4.979	4.979	0.000	95	529692	10.0	10.2	
	29 n,n'-Dimethylaniline	120	4.986	4.986	0.000	93	1655633	10.0	10.4	
	30 Isophorone	82	5.206	5.206	0.000	99	2275500	10.0	9.96	
	32 2-Nitrophenol	139	5.283	5.283	0.000	87	537412	10.0	10.8	
	33 2,4-Dimethylphenol	122	5.325	5.325	0.000	90	945400	10.0	10.0	
	35 Benzoic acid	122	5.411	5.411	0.000	86	426557	10.0	7.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.411	5.411	0.000	99	1403515	10.0	9.91	
36 2,4-Dichlorophenol	162	5.513	5.513	0.000	95	840946	10.0	10.2	
37 1,2,4-Trichlorobenzene	180	5.597	5.597	0.000	94	892504	10.0	9.59	
* 38 Naphthalene-d8	136	5.648	5.648	0.000	100	2310043	8.00	8.00	
39 Naphthalene	128	5.670	5.670	0.000	99	2954616	10.0	9.78	
40 4-Chloroaniline	127	5.718	5.718	0.000	96	1267861	10.0	9.82	
41 Hexachlorobutadiene	225	5.798	5.798	0.000	95	525417	10.0	10.0	
43 4-Chloro-3-methylphenol	107	6.182	6.182	0.000	95	940980	10.0	10.0	
44 2-Methylnaphthalene	142	6.326	6.326	0.000	87	1911453	10.0	10.0	
45 1-Methylnaphthalene	142	6.419	6.419	0.000	92	1761093	10.0	9.91	
46 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	95	616786	10.0	10.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.489	6.489	0.000	97	881371	10.0	9.58	
48 2-tertbutyl-4-methylphenol	149	6.518	6.518	0.000	88	1292323	10.0	10.3	
49 2,4,6-Trichlorophenol	196	6.595	6.595	0.000	89	583242	10.0	10.2	
50 2,4,5-Trichlorophenol	196	6.627	6.627	0.000	96	636955	10.0	10.0	
$ 51 2-Fluorobiphenyl	172	6.675	6.675	0.000	97	2035810	10.0	9.20	
52 1,1'-Biphenyl	154	6.768	6.768	0.000	95	2265251	10.0	9.81	
53 2-Chloronaphthalene	162	6.787	6.787	0.000	97	1798579	10.0	9.82	
54 Phenyl ether	170	6.870	6.870	0.000	89	1194785	10.0	9.98	
55 2-Nitroaniline	65	6.880	6.880	0.000	95	734873	10.0	10.2	
57 1,3-Dimethylnaphthalene	156	6.995	6.995	0.000	92	1459561	10.0	10.3	
59 Dimethyl phthalate	163	7.059	7.059	0.000	98	2036924	10.0	9.60	
60 Coumarin	146	7.075	7.075	0.000	78	694375	10.0	9.98	
61 2,6-Dinitrotoluene	165	7.110	7.110	0.000	93	457326	10.0	10.1	
62 Acenaphthylene	152	7.178	7.178	0.000	97	2609667	10.0	9.70	
63 3-Nitroaniline	138	7.267	7.267	0.000	92	494586	10.0	10.0	
* 64 Acenaphthene-d10	164	7.312	7.312	0.000	95	1184451	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.338	7.338	0.000	98	1643013	10.0	10.3	
66 Acenaphthene	154	7.344	7.344	0.000	95	1565733	10.0	9.04	
67 2,4-Dinitrophenol	184	7.363	7.363	0.000	93	411881	20.0	16.0	a
68 4-Nitrophenol	65	7.430	7.430	0.000	94	794867	20.0	18.3	
69 2,4-Dinitrotoluene	165	7.488	7.488	0.000	94	600763	10.0	10.5	
70 Dibenzofuran	168	7.507	7.507	0.000	95	2400435	10.0	9.96	
72 2,3,4,6-Tetrachlorophenol	232	7.623	7.623	0.000	93	495365	10.0	9.73	
73 Diethyl phthalate	149	7.728	7.728	0.000	98	2042208	10.0	9.47	
75 Fluorene	166	7.828	7.828	0.000	94	1832298	10.0	9.50	
74 4-Chlorophenyl phenyl ethe	204	7.828	7.828	0.000	79	932856	10.0	9.52	
76 4-Nitroaniline	138	7.847	7.847	0.000	91	491193	10.0	9.41	
77 4,6-Dinitro-2-methylphenol	198	7.876	7.876	0.000	86	545429	20.0	19.9	
78 N-Nitrosodiphenylamine	169	7.940	7.940	0.000	99	1391028	10.0	10.2	
79 1,2-Diphenylhydrazine	77	7.978	7.978	0.000	98	2334626	10.0	10.2	
$ 80 2,4,6-Tribromophenol	330	8.055	8.055	0.000	94	329126	10.0	9.80	
81 4-Bromophenyl phenyl ether	248	8.289	8.289	0.000	87	563539	10.0	9.89	
82 Hexachlorobenzene	284	8.353	8.353	0.000	97	623786	10.0	9.80	
84 Pentachlorophenol	266	8.535	8.535	0.000	93	676221	20.0	18.1	
85 Pentachloronitrobenzene	237	8.551	8.551	0.000	88	261858	10.0	10.7	
86 n-Octadecane	57	8.622	8.622	0.000	89	1489924	10.0	11.0	
* 87 Phenanthrene-d10	188	8.709	8.709	0.000	99	1866296	8.00	8.00	
88 Phenanthrene	178	8.731	8.731	0.000	98	2630838	10.0	9.66	
89 Anthracene	178	8.779	8.779	0.000	98	2679055	10.0	9.60	
90 Carbazole	167	8.930	8.930	0.000	96	2266594	10.0	9.24	
91 Di-n-butyl phthalate	149	9.269	9.269	0.000	99	3061907	10.0	9.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.855	9.855	0.000	98	2487375	10.0	8.87	
93 Benzidine	184	9.979	9.979	0.000	99	1479562	10.0	9.28	
94 Pyrene	202	10.066	10.066	0.000	97	2466596	10.0	11.0	
95 Bisphenol-A	213	10.117	10.117	0.000	98	1019987	10.0	11.2	
$ 96 Terphenyl-d14	244	10.220	10.220	0.000	100	1735960	10.0	10.4	
97 Butyl benzyl phthalate	149	10.720	10.720	0.000	97	1012549	10.0	10.9	
98 2,3,7,8-TCDD	320	10.819	10.819	0.000	54	1649	0.1000	0.0537	
99 Carbamazepine	193	10.825	10.825	0.000	93	794229	10.0	10.8	
100 3,3'-Dichlorobenzidine	252	11.297	11.297	0.000	99	690509	10.0	9.95	
101 Benzo[a]anthracene	228	11.319	11.319	0.000	99	1897593	10.0	9.58	
* 102 Chrysene-d12	240	11.332	11.332	0.000	99	1217117	8.00	8.00	
104 Chrysene	228	11.361	11.361	0.000	99	1814092	10.0	9.66	
103 Bis(2-ethylhexyl) phthalat	149	11.377	11.377	0.000	88	1372629	10.0	10.3	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	97	2119524	10.0	10.9	
106 Benzo[b]fluoranthene	252	12.685	12.685	0.000	98	1646751	10.0	10.0	
107 Benzo[k]fluoranthene	252	12.723	12.723	0.000	99	1718215	10.0	10.1	
108 Benzo[a]pyrene	252	13.134	13.134	0.000	97	1575778	10.0	10.1	
* 109 Perylene-d12	264	13.214	13.214	0.000	98	1143901	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.767	14.767	0.000	99	1667290	10.0	11.8	
111 Dibenz(a,h)anthracene	278	14.805	14.805	0.000	98	1641566	10.0	11.4	
112 Benzo[g,h,i]perylene	276	15.197	15.197	0.000	98	1699057	10.0	11.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_BNAL6_00055 Amount Added: 1.00 Units: mL

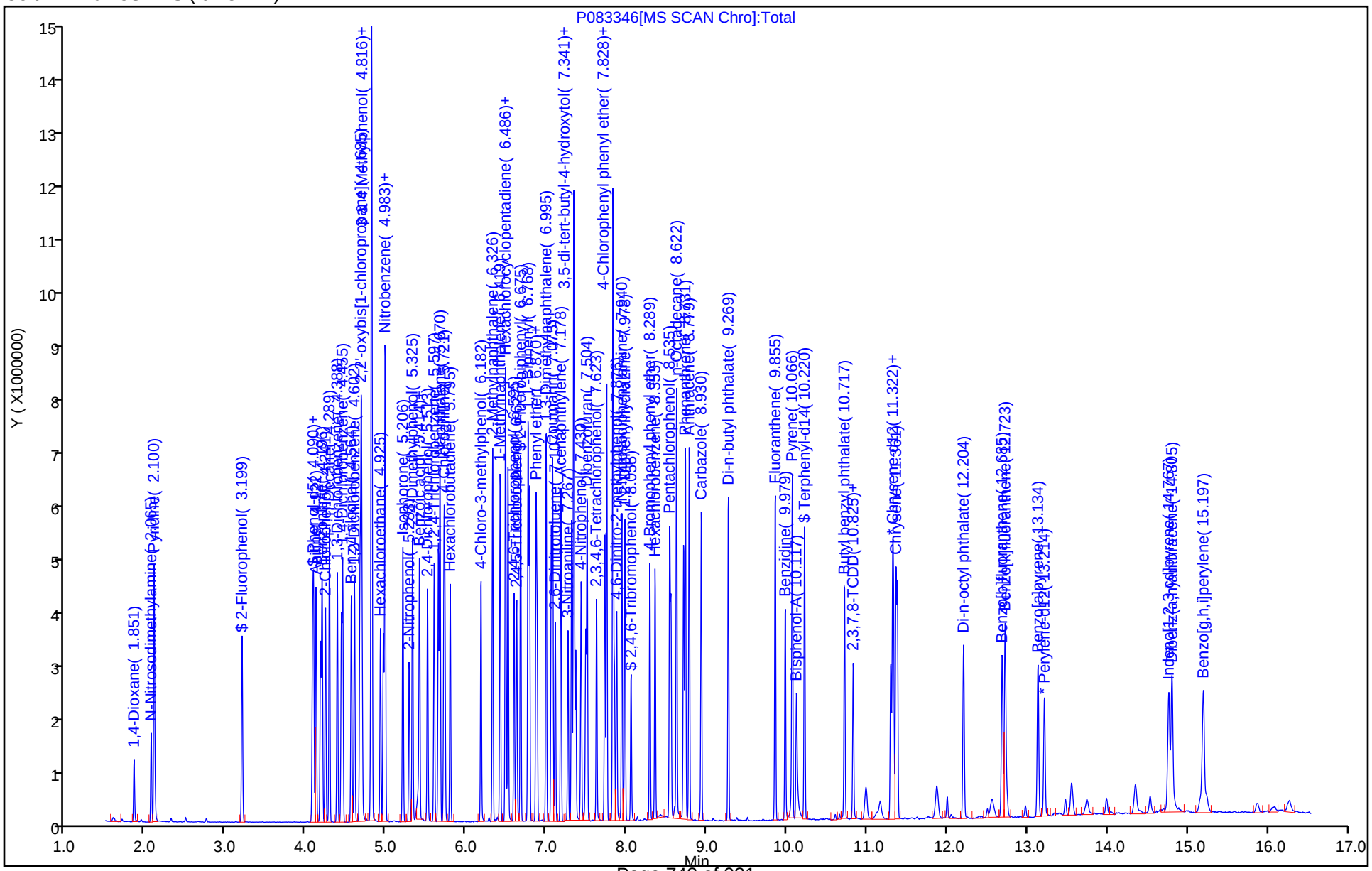
Report Date: 17-Sep-2019 11:12:22 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083346.D

Injection Date:	17-Sep-2019 08:57:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

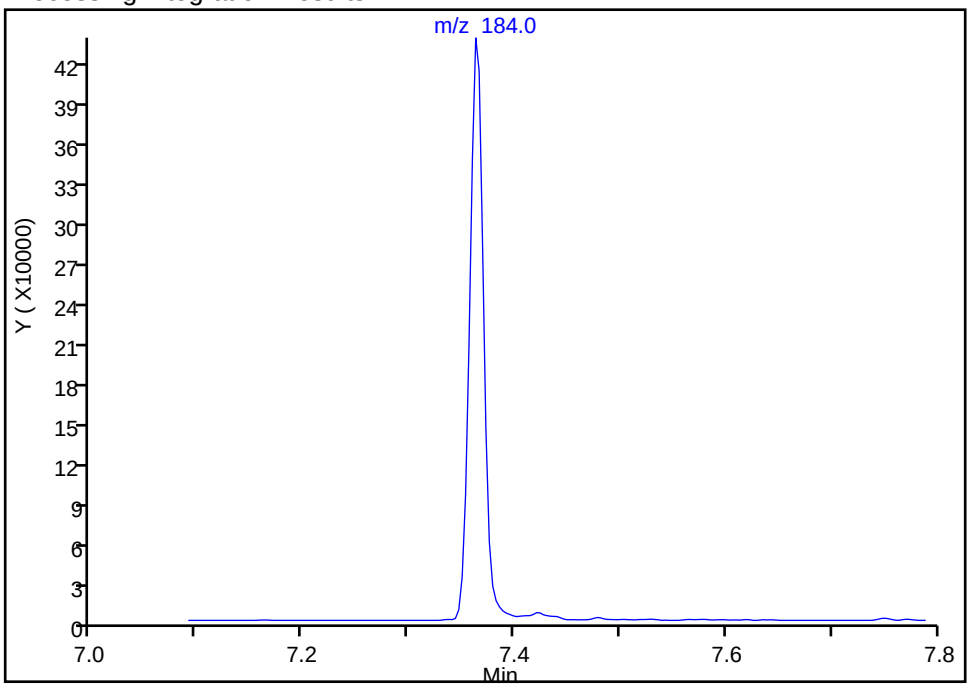
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083346.D				
Injection Date:	17-Sep-2019 08:57:30	Instrument ID:	CBNAMS18		
Lims ID:	ccvis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

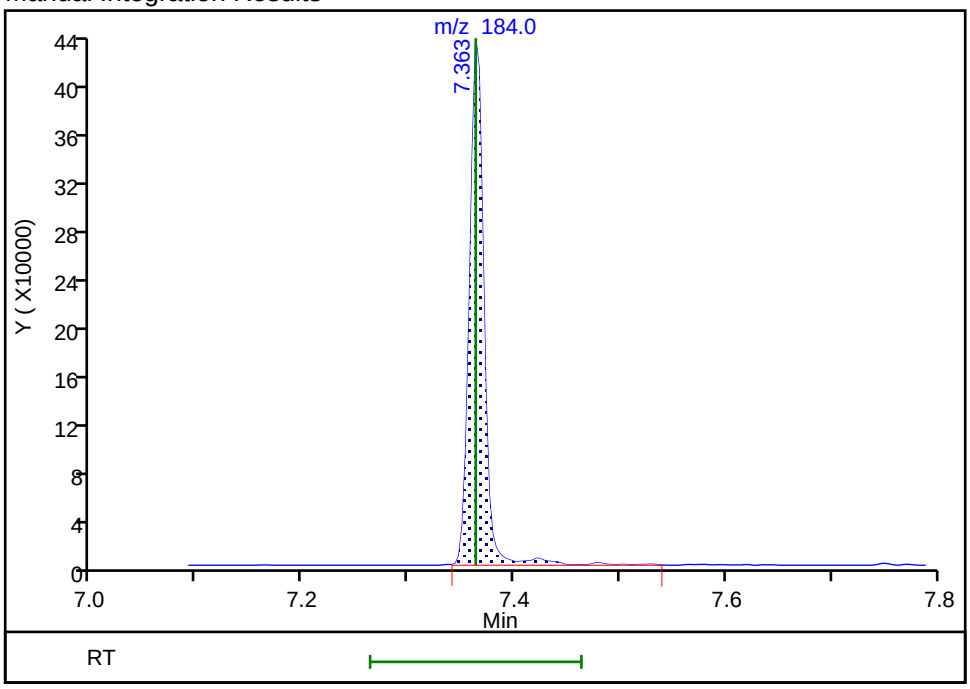
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Area: 411881
Amount: 16.005882
Amount Units: ug/ml



Reviewer: johnstonm1, 17-Sep-2019 09:15:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCV 460-639842/3 Calibration Date: 09/17/2019 09:18

Instrument ID: CBNAMS18 Calib Start Date: 09/12/2019 14:00

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/12/2019 16:07

Lab File ID: P083347.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.452	1.411	0.0100	9720	10000	-2.8	20.0
Caprolactam	QuaF		0.1073	0.0100	10700	10000	7.3	20.0
Atrazine	Ave	0.1964	0.2205	0.0100	11200	10000	12.3	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083347.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 17-Sep-2019 09:18:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-003
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 11:12:26 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: johnstonm1 Date: 17-Sep-2019 10:07:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.020	4.021	-0.001	98	975595	10.0	9.72	
* 14 1,4-Dichlorobenzene-d4	152	4.438	4.439	-0.001	98	553222	8.00	8.00	
* 38 Naphthalene-d8	136	5.646	5.648	-0.002	100	2164441	8.00	8.00	
42 Caprolactam	113	6.017	6.015	0.002	93	290187	10.0	10.7	
* 64 Acenaphthene-d10	164	7.308	7.312	-0.004	96	1114451	8.00	8.00	
83 Atrazine	200	8.442	8.444	-0.002	91	518263	10.0	11.2	
* 87 Phenanthrene-d10	188	8.705	8.709	-0.004	99	1880607	8.00	8.00	
* 102 Chrysene-d12	240	11.327	11.332	-0.005	99	1373640	8.00	8.00	
* 109 Perylene-d12	264	13.210	13.214	-0.004	98	1271283	8.00	8.00	

Reagents:

SM_BNAL5B_00041 Amount Added: 1.00 Units: mL

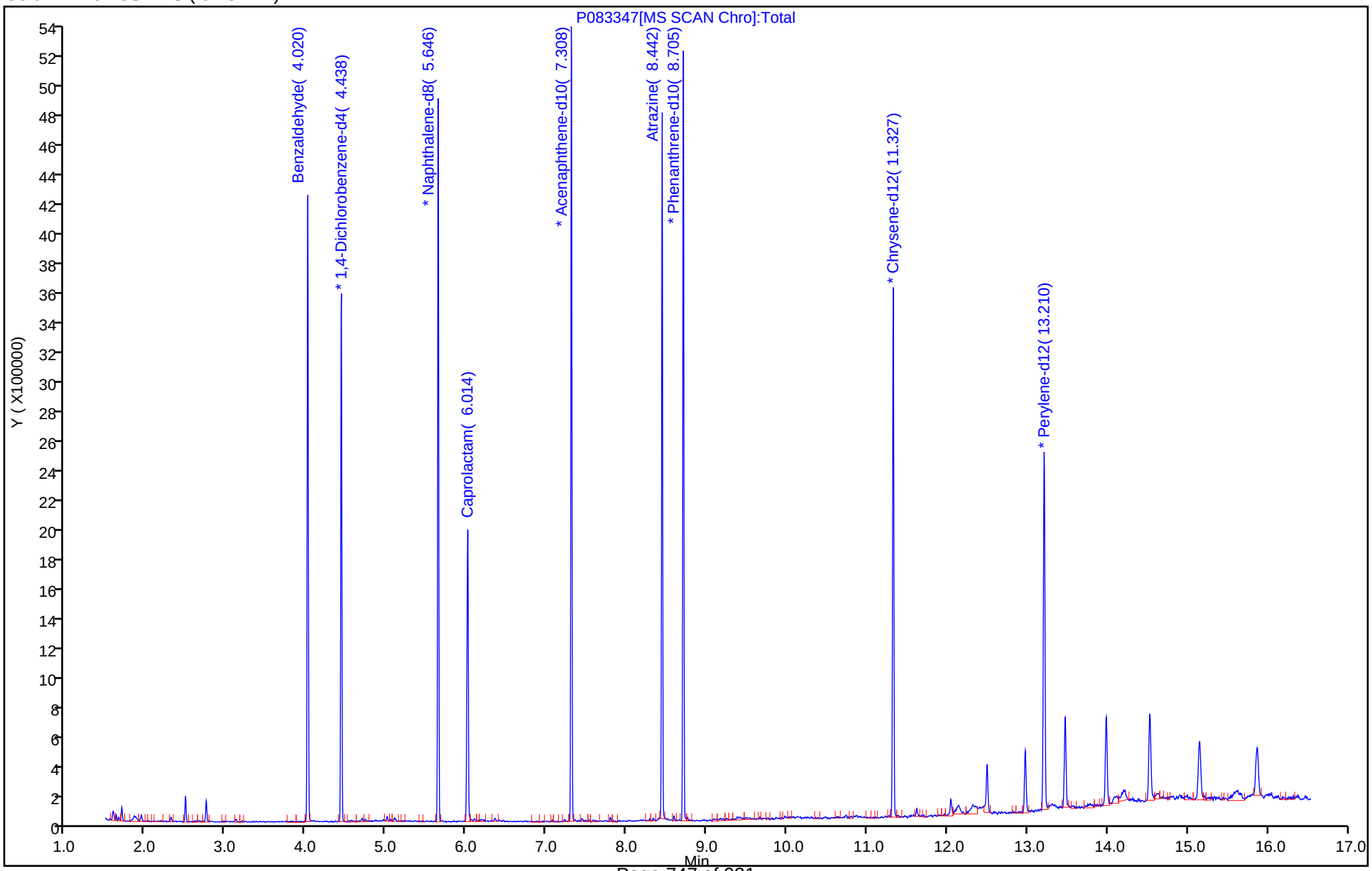
Report Date: 17-Sep-2019 11:12:27 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083347.D

Injection Date:	17-Sep-2019 09:18:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	ccv			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Sep-2019 10:47:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097046-001
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 05-Sep-2019 10:22:03 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: johnstonm1 Date: 04-Sep-2019 11:04:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.640	4.640	0.000	90	365873	NR	NR	
56 Benzidine_T	184	5.857	5.857	0.000	99	2915983	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	5.619	5.619	0.000	1	0		NR	a
125 4,4'-DDE	246	6.004	6.004	0.000	84	1439		NR	a
127 4,4'-DDT	235	6.510	6.510	0.000	98	1067599	NR	NR	

QC Flag Legend

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

Reagents:

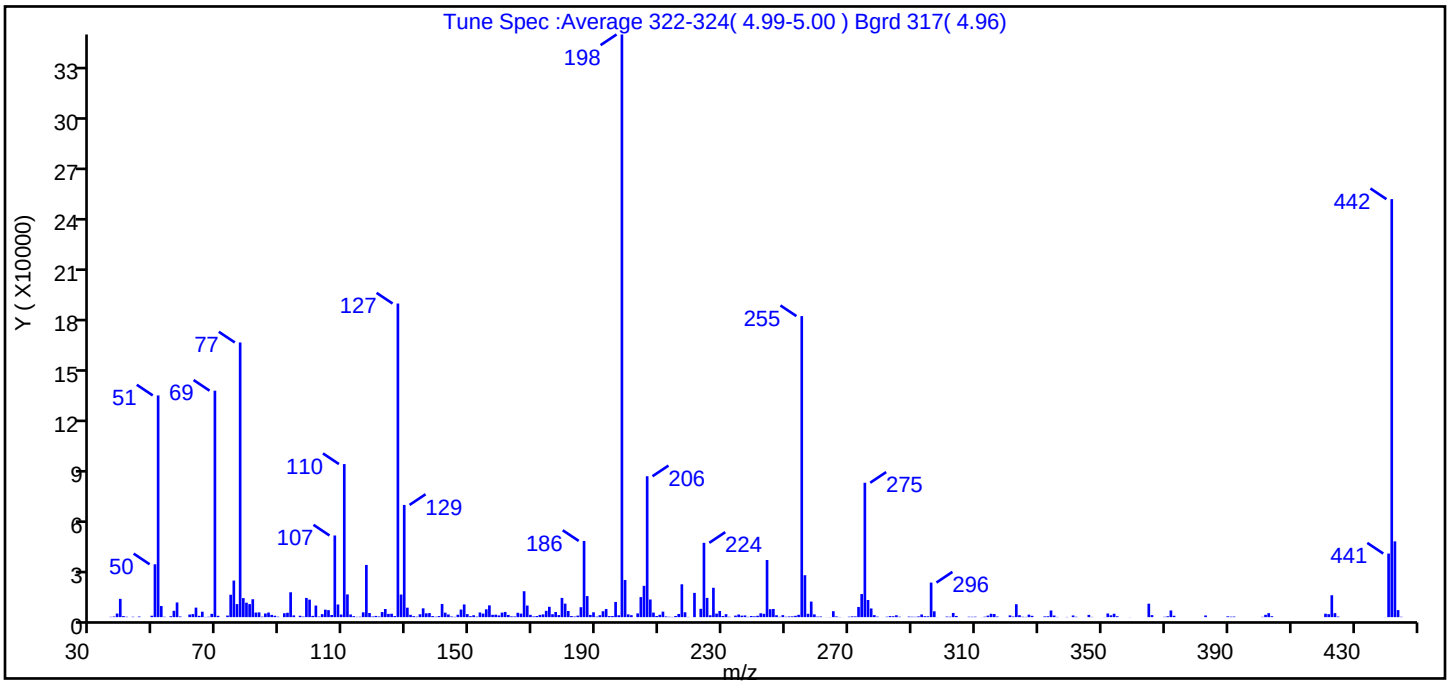
SMDFTP_CH_00028 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Injection Date: 04-Sep-2019 10:47:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (139.4)
51	10-80% of the base peak	38.1
68	<2% of mass 69	0.6 (1.5)
69	Present	38.9
70	<2% of mass 69	0.2 (0.6)
127	10-80% of the base peak	53.8
197	<2% of mass 198	0.3
199	5-9% of mass 198	6.4
275	10-60% of the base peak	23.1
365	>1% of mass 198	2.3
441	present but <24% of mass 442	10.9 (15.2)
442	base peak, or >50% of 198	71.7
443	15-24% of mass 442	13.0 (18.1)

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D\8270LVI_16.rslt\spectra.d
Injection Date: 04-Sep-2019 10:47:30
Spectrum: Tune Spec :Average 322-324(4.99-5.00) Bgrd 317(4.96)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	184	124.00	1910	200.00	1640	283.00	624
37.00	363	125.00	2018	201.00	1145	284.00	536
38.00	2131	126.00	640	203.00	2212	285.00	1109
39.00	10793	127.00	185152	204.00	11835	286.00	255
40.00	614	128.00	13349	205.00	18488	289.00	331
41.00	231	129.00	66248	206.00	83184	290.00	247
43.00	231	130.00	5586	207.00	10417	291.00	200
45.00	354	131.00	1382	208.00	2689	292.00	434
49.00	833	132.00	580	209.00	664	293.00	1578
50.00	31208	133.00	279	210.00	1387	294.00	543
51.00	130896	134.00	1693	211.00	3268	295.00	484
52.00	6557	135.00	5195	212.00	398	296.00	20416
53.00	222	136.00	2256	213.00	224	297.00	3444
55.00	537	137.00	2398	214.00	136	298.00	50
56.00	3744	138.00	623	215.00	692	301.00	345
57.00	8665	139.00	248	216.00	1860	302.00	258
58.00	379	140.00	620	217.00	19400	303.00	2466
61.00	1534	141.00	7794	218.00	2869	304.00	694
62.00	1794	142.00	2644	219.00	126	308.00	242
63.00	5617	143.00	1580	221.00	14324	309.00	219
64.00	767	144.00	386	223.00	4917	310.00	266
65.00	3223	145.00	185	224.00	43880	312.00	51
66.00	130	146.00	1422	225.00	11371	313.00	254
67.00	236	147.00	4481	226.00	1100	314.00	909
68.00	1958	148.00	7494	227.00	17336	315.00	1989
69.00	133696	149.00	1777	228.00	2100	316.00	1817
70.00	786	150.00	571	229.00	3637	317.00	348
73.00	940	151.00	1116	230.00	667	321.00	1036
74.00	13225	152.00	311	231.00	1745	322.00	357
75.00	21592	153.00	2767	232.00	227	323.00	7641
76.00	7703	154.00	2098	234.00	898	324.00	1148
77.00	162176	155.00	4626	235.00	1549	325.00	240
78.00	11238	156.00	6968	236.00	891	326.00	139

Report Date: 05-Sep-2019 10:22:04 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D\8270LVI_16.rslt\spectra.d
Injection Date: 04-Sep-2019 10:47:30
Spectrum: Tune Spec :Average 322-324(4.99-5.00) Bgrd 317(4.96)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	8537	157.00	1373	237.00	1008	327.00	1482
80.00	7683	158.00	1457	238.00	184	328.00	783
81.00	10573	159.00	1005	239.00	691	332.00	431
82.00	2703	160.00	2668	240.00	491	333.00	530
83.00	2810	161.00	3073	241.00	817	334.00	3918
84.00	292	162.00	1312	242.00	2280	335.00	961
85.00	2159	163.00	454	243.00	1963	336.00	133
86.00	2717	164.00	394	244.00	33744	339.00	120
87.00	1325	165.00	2574	245.00	4679	341.00	997
88.00	825	166.00	2080	246.00	4826	342.00	221
89.00	256	167.00	15295	247.00	1133	346.00	1337
91.00	2300	168.00	6844	248.00	210	347.00	140
92.00	2590	169.00	1366	249.00	1188	351.00	52
93.00	14680	170.00	404	250.00	216	352.00	2164
94.00	1026	171.00	650	251.00	417	353.00	1094
96.00	807	172.00	1331	252.00	466	354.00	2002
97.00	311	173.00	1618	253.00	795	355.00	519
98.00	11348	174.00	3737	254.00	1376	359.00	54
99.00	10325	175.00	6117	255.00	177728	365.00	7941
100.00	739	176.00	1723	256.00	24752	366.00	1193
101.00	6848	177.00	3053	257.00	1980	370.00	210
102.00	322	178.00	1217	258.00	9193	371.00	522
103.00	1765	179.00	11347	259.00	1620	372.00	3943
104.00	4414	180.00	7975	260.00	314	373.00	808
105.00	4137	181.00	3631	261.00	364	383.00	993
106.00	1270	182.00	658	263.00	58	390.00	475
107.00	48216	183.00	351	264.00	77	391.00	283
108.00	7488	184.00	909	265.00	3522	392.00	347
109.00	1536	185.00	5868	266.00	416	401.00	180
110.00	90376	186.00	45000	267.00	112	402.00	1376
111.00	13422	187.00	12433	268.00	25	403.00	2346
112.00	1573	188.00	1308	270.00	257	404.00	544
113.00	567	189.00	2884	271.00	450	421.00	2027
114.00	171	190.00	310	272.00	431	422.00	1758

Report Date: 05-Sep-2019 10:22:04 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D\8270LVI_16.rslt\spectra.d
Injection Date: 04-Sep-2019 10:47:30
Spectrum: Tune Spec :Average 322-324(4.99-5.00) Bgrd 317(4.96)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	253	191.00	1141	273.00	6013	423.00	12935
116.00	2851	192.00	3485	274.00	13633	424.00	2361
117.00	30832	193.00	4776	275.00	79344	425.00	343
118.00	2449	194.00	611	276.00	10128	440.00	50
119.00	385	195.00	643	277.00	5118	441.00	37536
120.00	726	196.00	8979	278.00	1167	442.00	246784
121.00	371	197.00	1085	279.00	298	443.00	44744
122.00	2991	198.00	344000	281.00	5	444.00	4151
123.00	4805	199.00	21912	282.00	249	445.00	206

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Injection Date: 04-Sep-2019 10:47:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

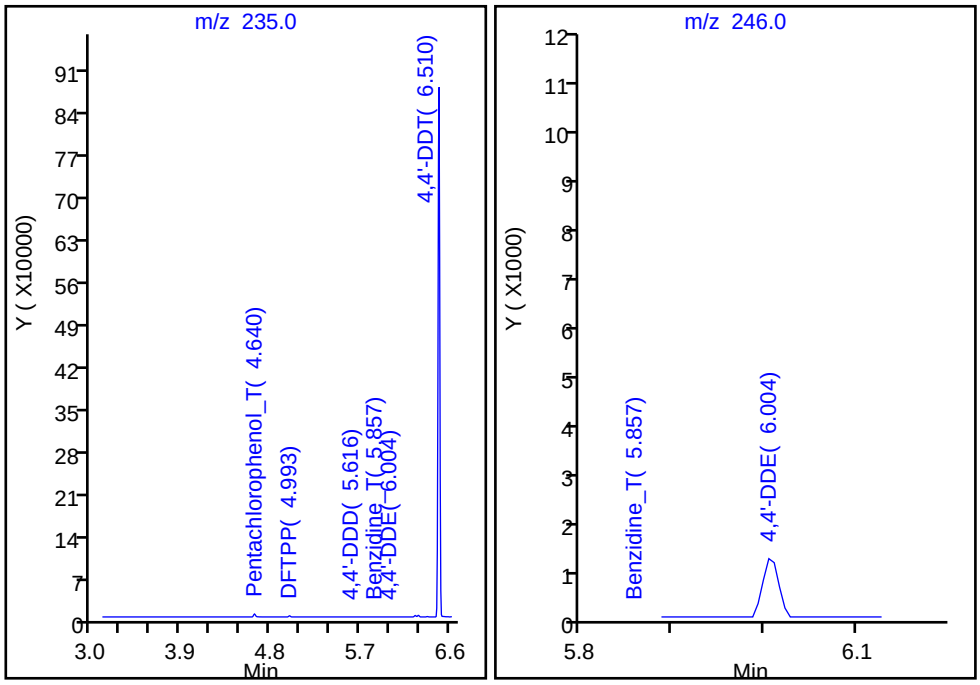
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

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

127 4,4'-DDT, Area = 1067599
126 4,4'-DDD, Area = 0
125 4,4'-DDE, Area = 1439

%Breakdown: 0.13%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

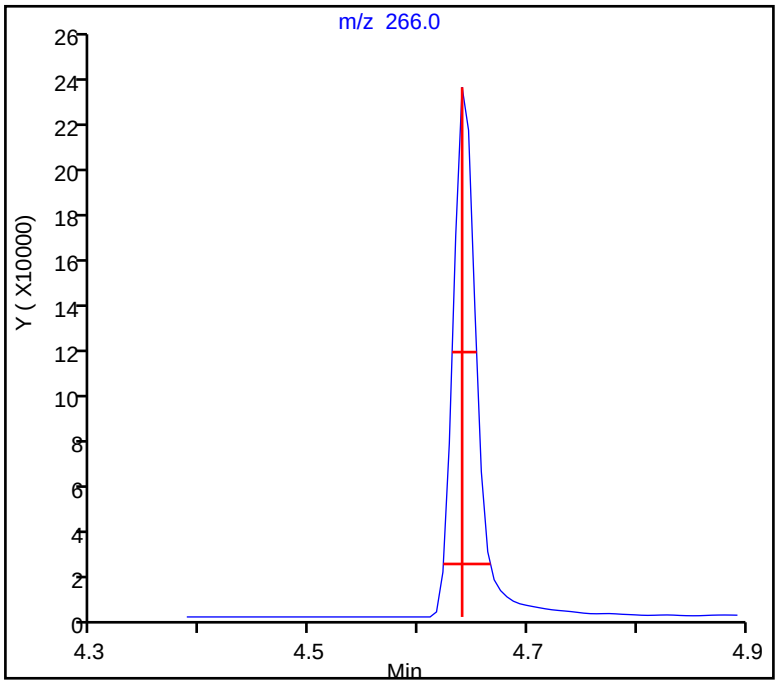
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Injection Date: 04-Sep-2019 10:47:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.026 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

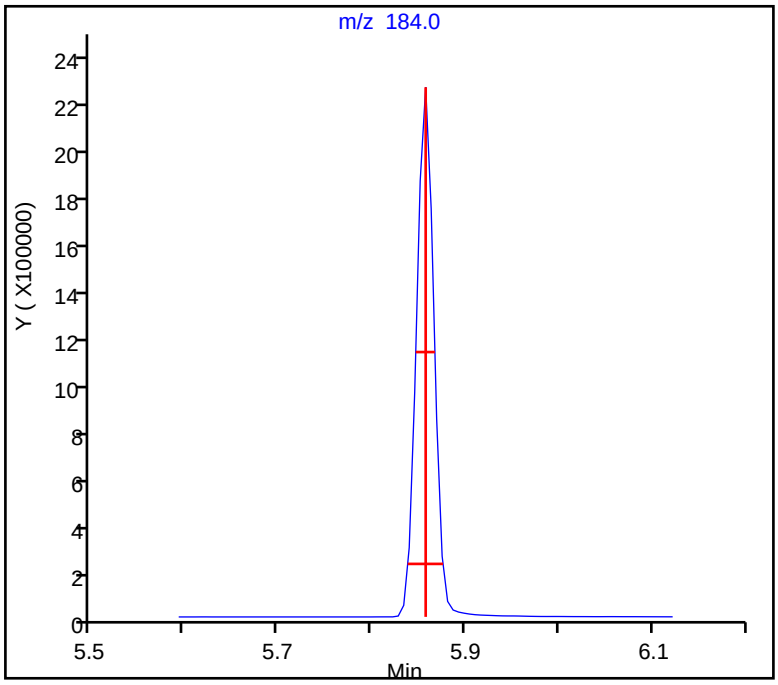
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163568.D
Injection Date: 04-Sep-2019 10:47:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

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

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163889.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 16-Sep-2019 19:01:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-001
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:33:00 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: zhaoc Date: 17-Sep-2019 08:33:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.599	4.599	0.000	91	378645	NR	NR	
56 Benzidine_T	184	5.816	5.816	0.000	99	2749424	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.963	5.963	0.000	86	4584		NR	
126 4,4'-DDD	235	6.222	6.222	0.000	96	76544		NR	
127 4,4'-DDT	235	6.457	6.457	0.000	98	1098978	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

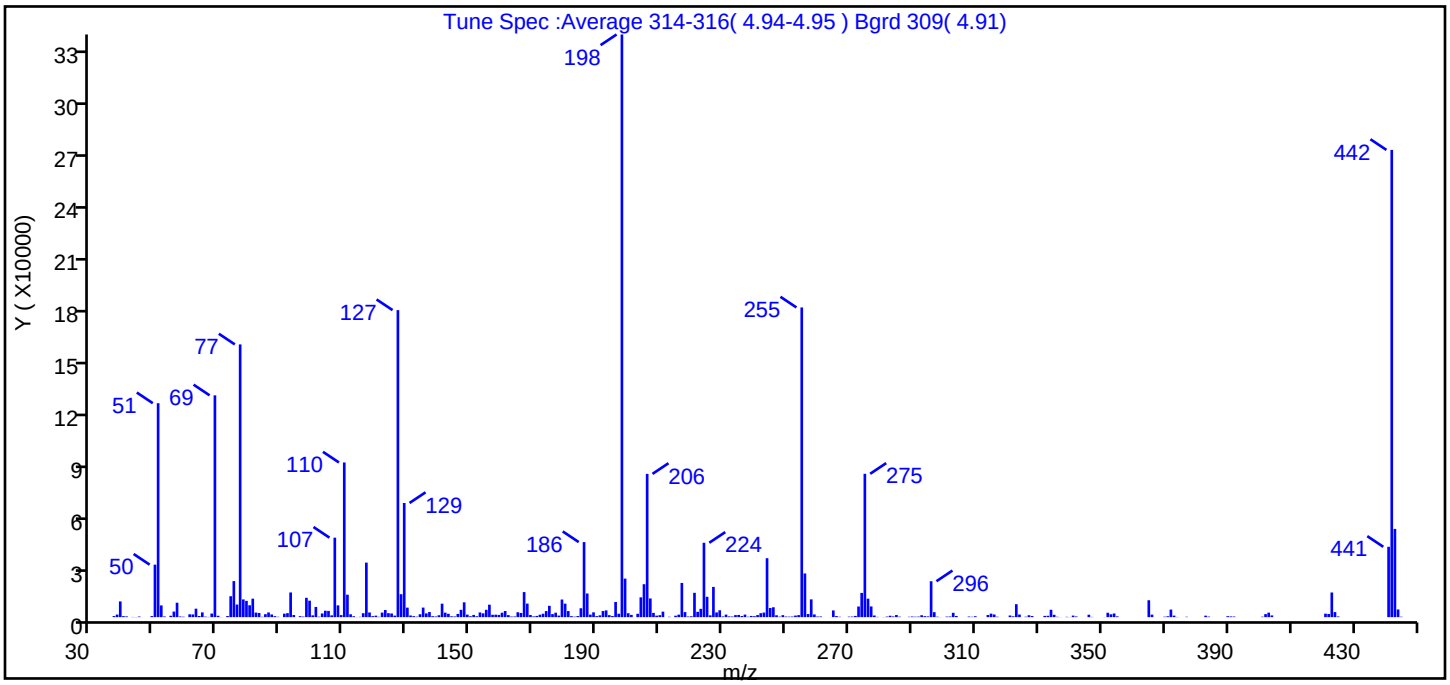
SMDFTP_CH_00029 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163889.D
Injection Date: 16-Sep-2019 19:01:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (124.7)
51	10-80% of the base peak	36.7
68	<2% of mass 69	0.6 (1.6)
69	Present	38.1
70	<2% of mass 69	0.2 (0.6)
127	10-80% of the base peak	52.7
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.6
275	10-60% of the base peak	24.6
365	>1% of mass 198	2.9
441	present but <24% of mass 442	12.1 (15.1)
442	base peak, or >50% of 198	80.2
443	15-24% of mass 442	15.1 (18.9)

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163889.D\8270LVI_16.rslt\spectra.d
Injection Date: 16-Sep-2019 19:01:30
Spectrum: Tune Spec :Average 314-316(4.94-4.95) Bgrd 309(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	626	123.00	4108	200.00	2257	284.00	407
38.00	1481	124.00	2287	201.00	1302	285.00	1220
39.00	9044	125.00	2105	203.00	1938	286.00	277
40.00	591	126.00	872	204.00	11373	289.00	208
41.00	430	127.00	176512	205.00	18936	290.00	361
43.00	114	128.00	13197	206.00	82360	291.00	249
44.00	93	129.00	65632	207.00	10743	292.00	307
45.00	352	130.00	5464	208.00	2451	293.00	1093
49.00	611	131.00	958	209.00	857	294.00	563
50.00	30176	132.00	571	210.00	1129	295.00	419
51.00	123000	133.00	282	211.00	3156	296.00	20648
52.00	6740	134.00	1666	213.00	212	297.00	2868
53.00	391	135.00	5495	215.00	820	298.00	253
55.00	788	136.00	2161	216.00	1435	299.00	51
56.00	3199	137.00	2933	217.00	19672	301.00	316
57.00	8289	138.00	542	218.00	2904	302.00	373
58.00	381	139.00	388	219.00	366	303.00	2498
59.00	248	140.00	1083	220.00	488	304.00	671
61.00	1634	141.00	7740	221.00	13987	308.00	345
62.00	1565	142.00	2589	222.00	3065	309.00	207
63.00	4865	143.00	1919	223.00	4768	310.00	524
64.00	657	144.00	486	224.00	42760	314.00	1239
65.00	2737	145.00	377	225.00	11705	315.00	2005
66.00	296	146.00	1854	226.00	1025	316.00	1525
67.00	127	147.00	4215	227.00	17384	317.00	240
68.00	2074	148.00	8515	228.00	2716	321.00	941
69.00	127520	149.00	1453	229.00	3947	322.00	476
70.00	788	150.00	524	230.00	401	323.00	7449
71.00	62	151.00	1280	231.00	1461	324.00	1513
73.00	645	152.00	514	232.00	434	326.00	249
74.00	12031	153.00	2687	233.00	343	327.00	1099
75.00	20720	154.00	2192	234.00	1178	328.00	648
76.00	7232	155.00	4216	235.00	1266	332.00	711

Report Date: 17-Sep-2019 08:33:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163889.D\8270LVI_16.rslt\spectra.d
Injection Date: 16-Sep-2019 19:01:30
Spectrum: Tune Spec :Average 314-316(4.94-4.95) Bgrd 309(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	156800	156.00	7167	236.00	636	333.00	780
78.00	10184	157.00	1358	237.00	1476	334.00	4245
79.00	9350	158.00	1416	238.00	234	335.00	1339
80.00	6837	159.00	1266	239.00	686	336.00	205
81.00	10622	160.00	2538	240.00	541	337.00	52
82.00	2621	161.00	3526	241.00	1194	339.00	184
83.00	2392	162.00	1170	242.00	2274	340.00	67
84.00	202	163.00	347	243.00	2638	341.00	893
85.00	1699	164.00	373	244.00	33904	342.00	388
86.00	2697	165.00	2809	245.00	5251	346.00	1394
87.00	1544	166.00	2397	246.00	5685	347.00	130
88.00	574	167.00	14406	247.00	1076	351.00	54
89.00	215	168.00	7783	248.00	278	352.00	2519
91.00	1989	169.00	1253	249.00	1144	353.00	1641
92.00	2284	170.00	430	250.00	336	354.00	2100
93.00	14199	171.00	700	251.00	289	355.00	441
94.00	1214	172.00	1395	252.00	346	365.00	9714
96.00	542	173.00	1952	253.00	904	366.00	1440
97.00	321	174.00	3491	254.00	1169	370.00	247
98.00	11124	175.00	6512	255.00	178048	371.00	507
99.00	9472	176.00	1747	256.00	25120	372.00	4359
100.00	1015	177.00	2558	257.00	1792	373.00	872
101.00	5874	178.00	894	258.00	10219	374.00	112
102.00	258	179.00	10131	259.00	1549	377.00	218
103.00	2130	180.00	7753	260.00	349	383.00	846
104.00	3681	181.00	3488	261.00	379	384.00	316
105.00	3581	182.00	579	264.00	39	390.00	540
106.00	1022	183.00	277	265.00	3856	391.00	410
107.00	45688	184.00	634	266.00	617	392.00	347
108.00	6780	185.00	5116	267.00	217	401.00	264
109.00	1176	186.00	43152	268.00	7	402.00	1738
110.00	88920	187.00	13601	270.00	292	403.00	2584
111.00	12907	188.00	1454	271.00	333	404.00	981
112.00	1637	189.00	2763	272.00	699	421.00	2002

Report Date: 17-Sep-2019 08:33:02 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163889.D\8270LVI_16.rslt\spectra.d
Injection Date: 16-Sep-2019 19:01:30
Spectrum: Tune Spec :Average 314-316(4.94-4.95) Bgrd 309(4.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	527	190.00	574	273.00	6118	422.00	1824
114.00	52	191.00	1035	274.00	13938	423.00	14175
115.00	182	192.00	3517	275.00	82416	424.00	2908
116.00	2257	193.00	3889	276.00	10618	425.00	393
117.00	31344	194.00	1143	277.00	6153	441.00	40440
118.00	2682	195.00	640	278.00	933	442.00	268608
119.00	568	196.00	8729	279.00	158	443.00	50728
120.00	857	197.00	1947	281.00	67	444.00	4416
121.00	206	198.00	334976	282.00	316	445.00	244
122.00	2616	199.00	22160	283.00	801		

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163889.D
Injection Date: 16-Sep-2019 19:01:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

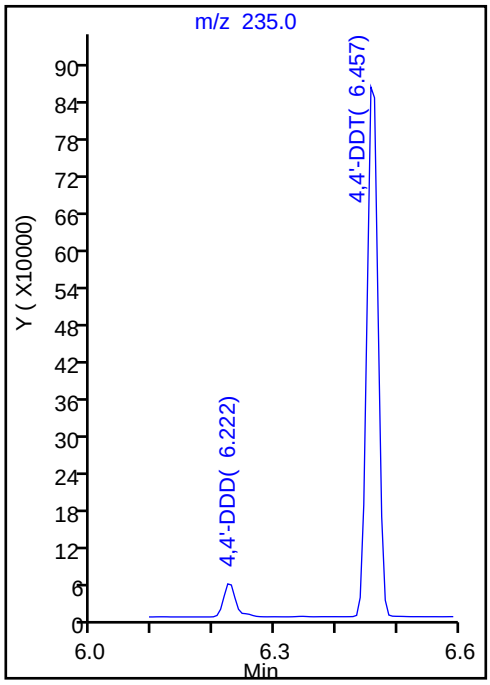
127 4,4'-DDT, Detector: MS SCAN

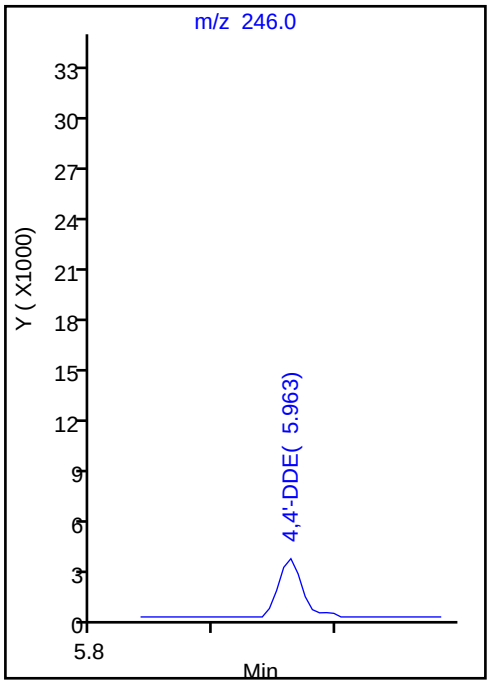
SW-846 Method

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

127 4,4'-DDT, Area = 1098978
126 4,4'-DDD, Area = 76544
125 4,4'-DDE, Area = 4584

%Breakdown: 6.87%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

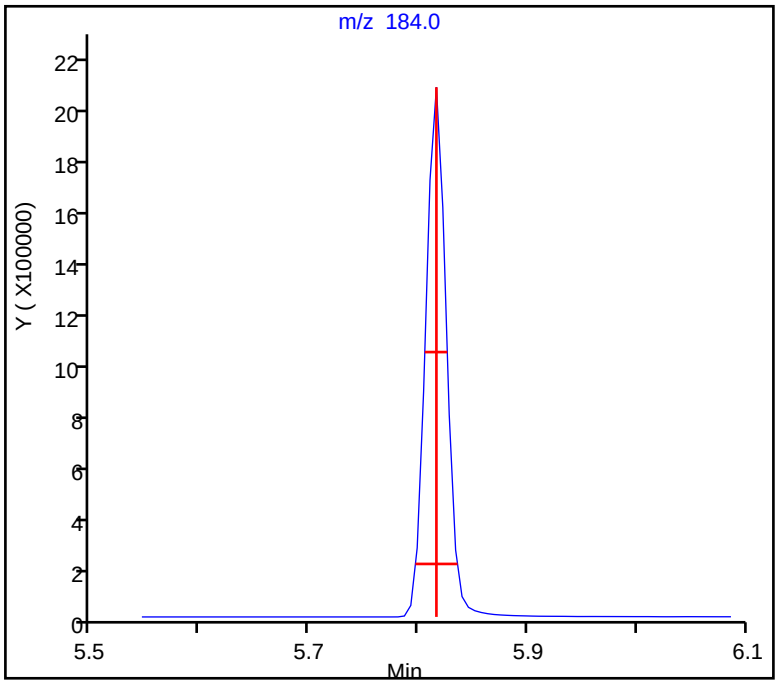
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163889.D
Injection Date: 16-Sep-2019 19:01:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

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

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

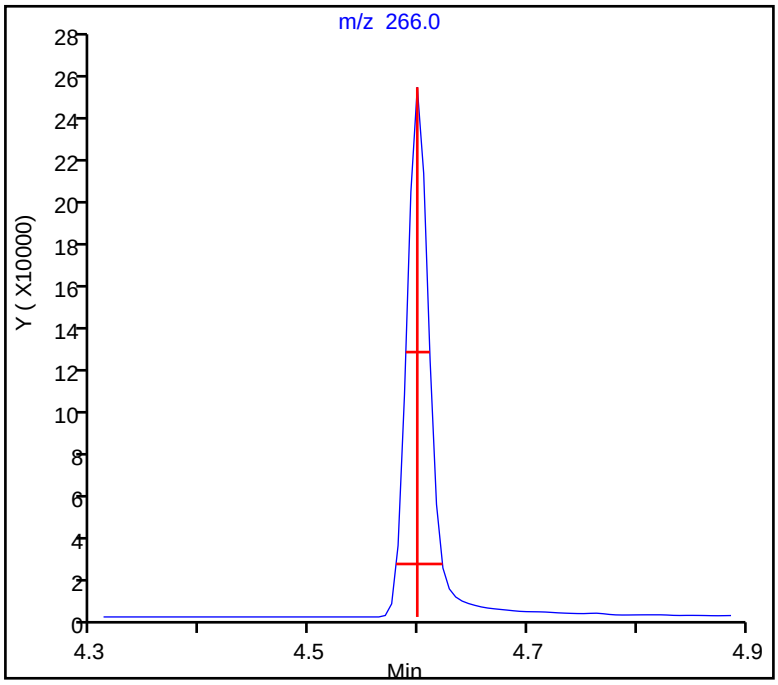
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163889.D
Injection Date: 16-Sep-2019 19:01:30 Instrument ID: CBNAMS16
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.023 (min.)
Front Width = 0.020 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083241.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 12-Sep-2019 09:36:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097461-001
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 13-Sep-2019 10:38:08 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: johnstonm1 Date: 12-Sep-2019 09:47:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.584	4.584	0.000	93	440225	NR	NR	
56 Benzidine_T	184	5.807	5.807	0.000	100	2845270	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.957	5.957	0.000	78	1102		NR	
126 4,4'-DDD	235	6.255	6.255	0.000	88	4074		NR	
127 4,4'-DDT	235	6.467	6.467	0.000	98	1218698	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

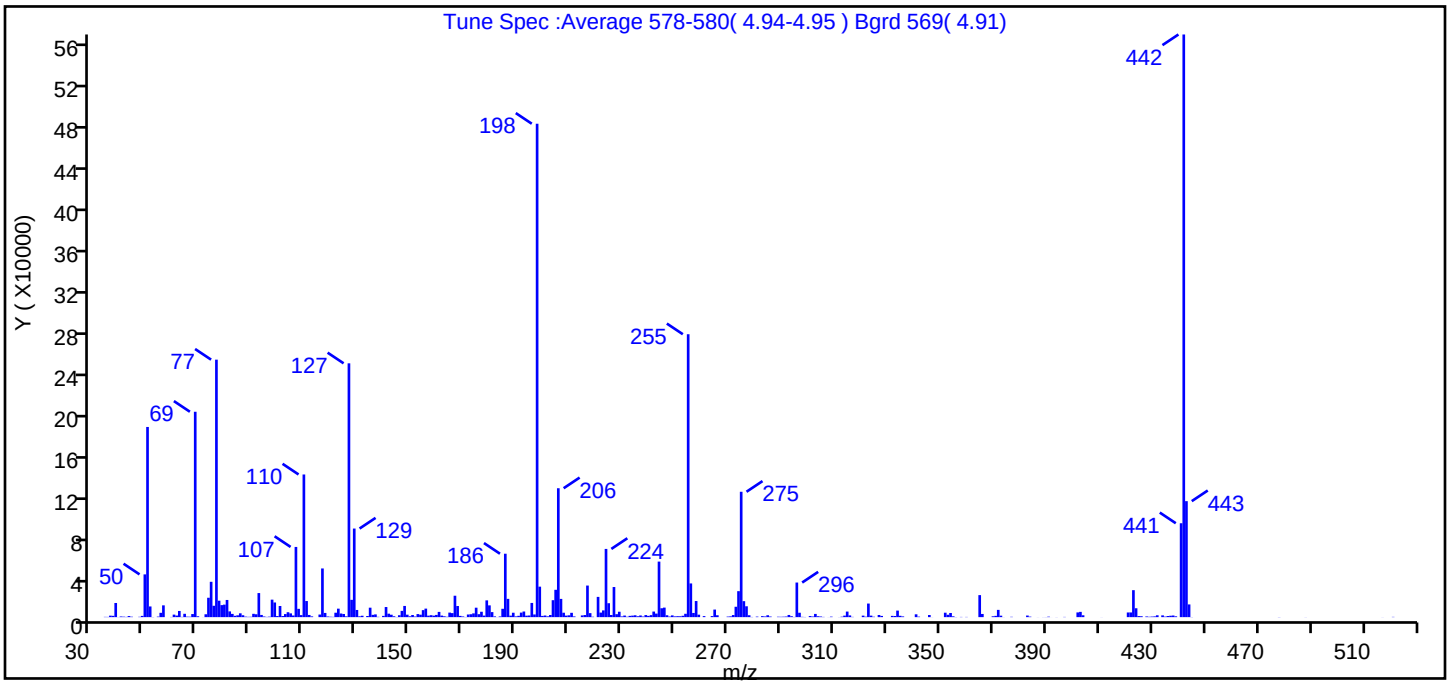
SMDFTP_CH_00029 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083241.D
Injection Date: 12-Sep-2019 09:36:30 Instrument ID: CBNAMS18
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (84.7)
51	10-80% of the base peak	38.5
68	<2% of mass 69	0.6 (1.5)
69	Present	41.6
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	51.4
197	<2% of mass 198	0.5
199	5-9% of mass 198	6.2
275	10-60% of the base peak	25.4
365	>1% of mass 198	4.5
441	present but <24% of mass 442	19.0 (16.1)
442	base peak, or >50% of 198	118.1
443	15-24% of mass 442	23.5 (19.9)

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083241.D\8270LVI_18.rslt\spectra.d
Injection Date: 12-Sep-2019 09:36:30
Spectrum: Tune Spec :Average 578-580(4.94-4.95) Bgrd 569(4.91)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	267	125.00	3087	208.00	4316	304.00	878
36.00	226	126.00	762	209.00	1488	305.00	623
37.00	1440	127.00	247872	210.00	1775	306.00	236
38.00	1278	128.00	16896	211.00	4231	308.00	59
39.00	13823	129.00	86520	212.00	690	309.00	492
40.00	89	130.00	7008	215.00	1678	312.00	85
41.00	639	131.00	807	216.00	2051	313.00	450
42.00	458	132.00	1366	217.00	30848	314.00	1476
43.00	239	133.00	12	218.00	3907	315.00	5444
44.00	1076	134.00	1112	219.00	392	316.00	1676
45.00	422	135.00	9237	221.00	19776	317.00	244
48.00	337	136.00	2255	222.00	4444	321.00	1470
49.00	1218	137.00	2685	223.00	6595	322.00	450
50.00	41760	138.00	306	224.00	66624	323.00	13275
51.00	185728	140.00	1230	225.00	13596	324.00	1468
52.00	10439	141.00	9879	226.00	2085	325.00	393
53.00	143	142.00	3375	227.00	29416	327.00	2098
55.00	523	143.00	2359	228.00	2893	328.00	1191
56.00	4223	144.00	845	229.00	5286	332.00	1235
57.00	11515	145.00	153	230.00	702	333.00	1111
60.00	202	146.00	1855	231.00	1547	334.00	6391
61.00	2463	147.00	6116	232.00	385	335.00	1317
62.00	1530	148.00	10939	233.00	1248	336.00	712
63.00	6032	149.00	2398	234.00	1479	341.00	2767
64.00	266	150.00	848	235.00	1816	342.00	493
65.00	3268	151.00	2094	236.00	876	346.00	2067
66.00	484	152.00	606	237.00	1627	347.00	60
67.00	413	153.00	2987	238.00	608	352.00	4328
68.00	3010	154.00	2388	239.00	2022	353.00	2318
69.00	200576	155.00	6838	240.00	1241	354.00	4056
70.00	845	156.00	8327	241.00	1949	355.00	800
72.00	55	157.00	1456	242.00	5455	356.00	117
73.00	2811	158.00	1894	243.00	3461	358.00	218

Report Date: 13-Sep-2019 10:38:08 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083241.D\8270LVI_18.rslt\spectra.d
Injection Date: 12-Sep-2019 09:36:30
Spectrum: Tune Spec :Average 578-580(4.94-4.95) Bgrd 569(4.91)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	18936	159.00	1449	244.00	54248	360.00	214
75.00	34520	160.00	2161	245.00	8691	365.00	21512
76.00	11107	161.00	5119	246.00	9313	366.00	3112
77.00	251456	162.00	1498	247.00	1851	370.00	837
78.00	16065	163.00	827	248.00	589	371.00	1251
79.00	11746	164.00	375	249.00	1709	372.00	7094
80.00	12214	165.00	4427	250.00	749	373.00	1422
81.00	16776	166.00	3931	251.00	928	374.00	65
82.00	5612	167.00	20912	252.00	845	377.00	324
83.00	3175	168.00	10875	253.00	1343	383.00	1559
84.00	1318	169.00	1232	254.00	3282	384.00	480
85.00	1781	170.00	664	255.00	276288	387.00	53
86.00	3737	171.00	158	256.00	32912	389.00	67
87.00	1847	172.00	2575	257.00	4077	390.00	94
88.00	494	173.00	2828	258.00	15729	391.00	452
89.00	305	174.00	3661	259.00	2396	392.00	24
90.00	354	175.00	9226	261.00	1000	394.00	77
91.00	3246	176.00	2877	264.00	1034	397.00	224
92.00	2810	177.00	5266	265.00	7393	402.00	4611
93.00	23512	178.00	1506	266.00	1830	403.00	5155
94.00	2143	179.00	16379	270.00	539	404.00	1819
95.00	621	180.00	11503	271.00	768	411.00	51
96.00	249	181.00	4915	272.00	2040	421.00	4554
97.00	480	182.00	738	273.00	10141	422.00	4585
98.00	17080	183.00	73	274.00	25376	423.00	26344
99.00	14315	184.00	655	275.00	122448	424.00	8676
100.00	1090	185.00	8157	276.00	15605	425.00	1033
101.00	10885	186.00	61936	277.00	10609	426.00	884
102.00	1073	187.00	17856	278.00	1852	427.00	10
103.00	2993	188.00	1459	279.00	187	428.00	667
104.00	4793	189.00	4308	281.00	526	429.00	368
105.00	3677	190.00	727	283.00	989	430.00	560
106.00	1608	191.00	1307	284.00	669	431.00	729
107.00	68560	192.00	4430	285.00	1845	432.00	1814

Report Date: 13-Sep-2019 10:38:08 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083241.D\8270LVI_18.rslt\spectra.d
Injection Date: 12-Sep-2019 09:36:30
Spectrum: Tune Spec :Average 578-580(4.94-4.95) Bgrd 569(4.91)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	8114	193.00	5503	286.00	581	434.00	1721
109.00	1978	194.00	1435	289.00	411	435.00	521
110.00	139328	195.00	1606	290.00	351	436.00	1119
111.00	15722	196.00	13875	291.00	448	437.00	1372
112.00	2135	197.00	2632	292.00	581	438.00	1594
113.00	736	198.00	481856	293.00	2132	439.00	797
116.00	2535	199.00	29768	294.00	896	441.00	91704
117.00	47552	200.00	1212	295.00	185	442.00	569024
118.00	4116	201.00	1594	296.00	33792	443.00	113272
119.00	635	202.00	798	297.00	4297	444.00	12414
120.00	403	203.00	2078	298.00	292	445.00	129
121.00	280	204.00	16552	299.00	171	478.00	134
122.00	4317	205.00	26704	301.00	1058	488.00	71
123.00	8292	206.00	125888	302.00	613	517.00	61
124.00	3545	207.00	17816	303.00	3145	521.00	260

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083241.D
Injection Date: 12-Sep-2019 09:36:30 Instrument ID: CBNAMS18
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL

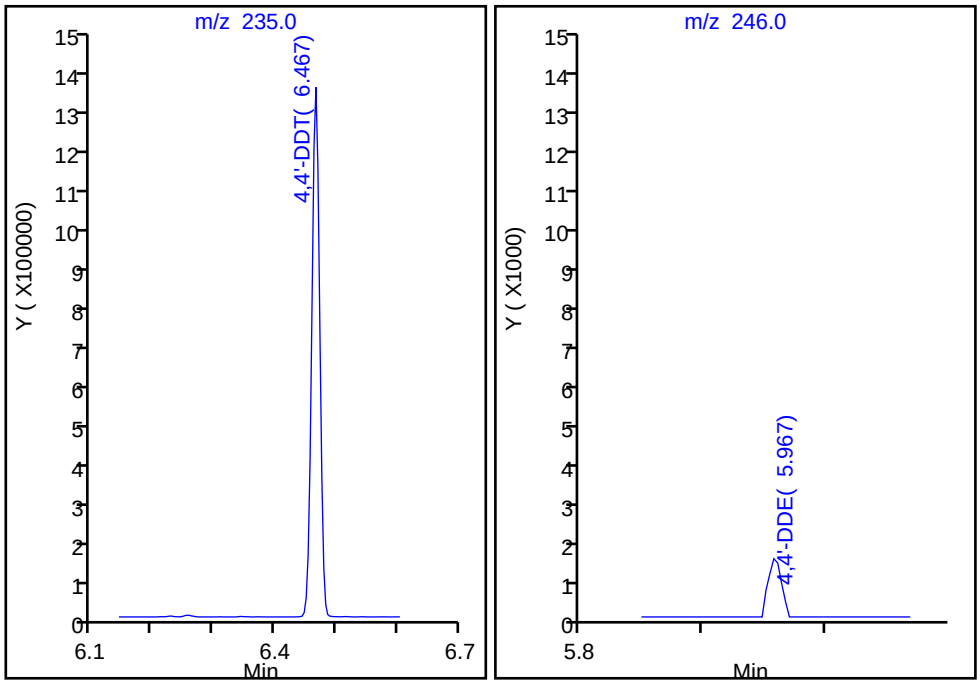
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

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

127 4,4'-DDT, Area = 1218698
126 4,4'-DDD, Area = 4074
125 4,4'-DDE, Area = 1102

%Breakdown: 0.42%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

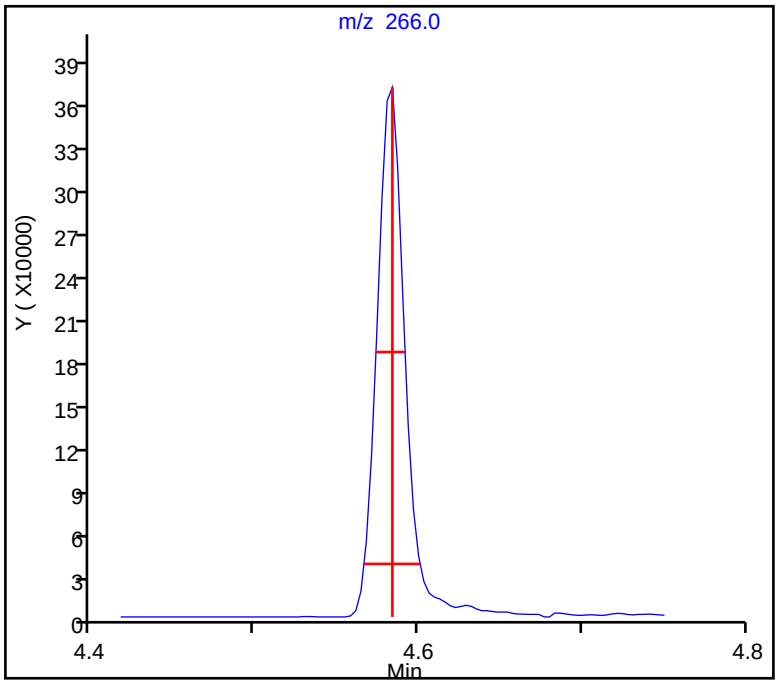
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083241.D
Injection Date: 12-Sep-2019 09:36:30 Instrument ID: CBNAMS18
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

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

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

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

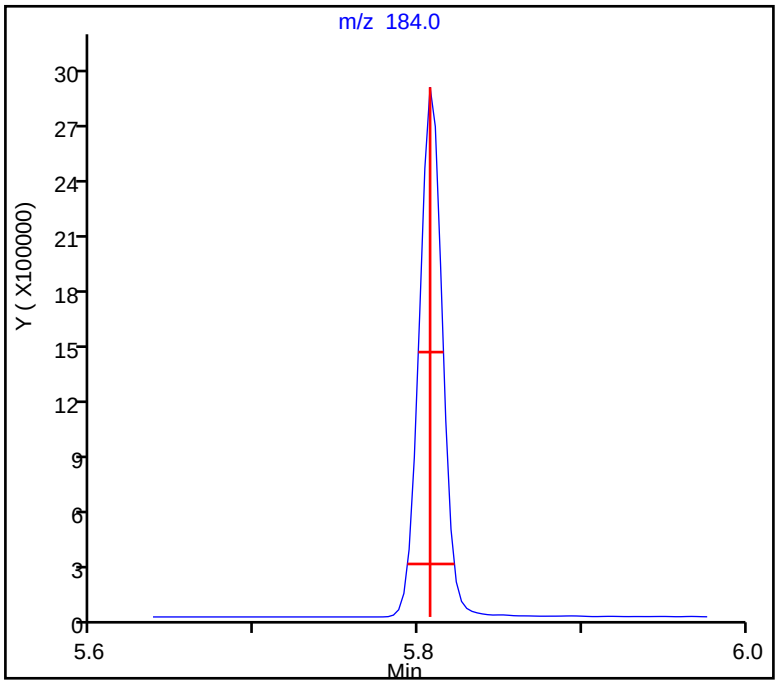
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083241.D
Injection Date: 12-Sep-2019 09:36:30 Instrument ID: CBNAMS18
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.015 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083345a.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 17-Sep-2019 08:38:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-001
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 11:12:16 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: johnstonm1 Date: 17-Sep-2019 08:51:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.572	4.572	0.000	93	476569	NR	NR	
56 Benzidine_T	184	5.799	5.799	0.000	99	3374905	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.946	5.946	0.000	19	3359		NR	
126 4,4'-DDD	235	6.209	6.209	0.000	71	16741		NR	
127 4,4'-DDT	235	6.447	6.447	0.000	98	1662663	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

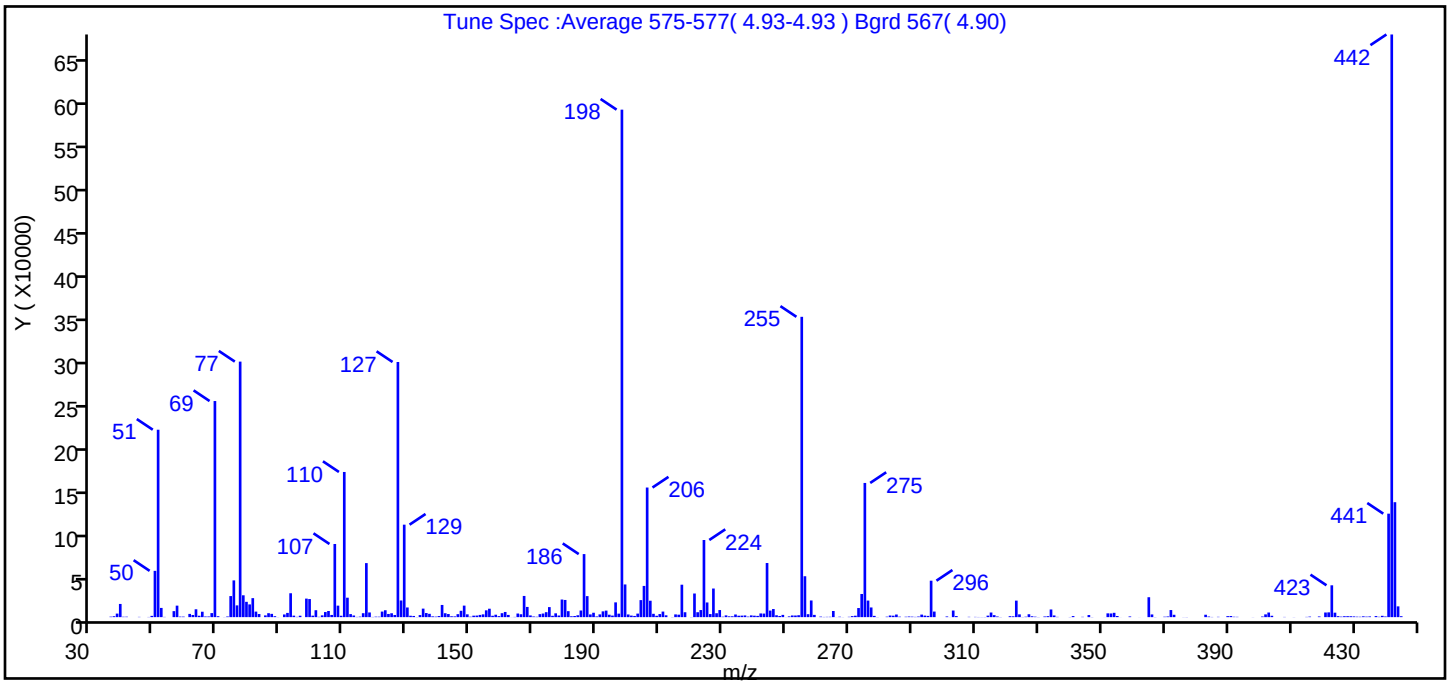
SMDFTP_CH_00029 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083345a.D
Injection Date: 17-Sep-2019 08:38:30 Instrument ID: CBNAMS18
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (87.1)
51	10-80% of the base peak	36.9
68	<2% of mass 69	0.8 (1.9)
69	Present	42.6
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	50.3
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.4
275	10-60% of the base peak	26.4
365	>1% of mass 198	3.9
441	present but <24% of mass 442	20.4 (17.8)
442	base peak, or >50% of 198	114.8
443	15-24% of mass 442	22.6 (19.7)

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083345a.D\8270LVI_18.rslt\spectra.d
Injection Date: 17-Sep-2019 08:38:30
Spectrum: Tune Spec :Average 575-577(4.93-4.93) Bgrd 567(4.90)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 336

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	568	132.00	1373	217.00	37640	314.00	1733
37.00	1065	133.00	159	218.00	5683	315.00	5365
38.00	4115	134.00	2393	220.00	148	316.00	2315
39.00	15314	135.00	9886	221.00	27424	317.00	759
40.00	462	136.00	4772	222.00	5709	318.00	170
41.00	519	137.00	3852	223.00	8218	321.00	1076
45.00	299	138.00	897	224.00	89512	322.00	937
48.00	218	139.00	587	225.00	17040	323.00	19160
49.00	1479	140.00	1261	226.00	3569	324.00	3217
50.00	53720	141.00	14137	227.00	33208	325.00	179
51.00	217472	142.00	4541	228.00	4523	326.00	497
52.00	10701	143.00	3596	229.00	8234	327.00	3372
53.00	275	144.00	1017	230.00	508	328.00	1018
56.00	6979	145.00	859	231.00	2043	329.00	540
57.00	13347	146.00	3442	232.00	946	330.00	145
58.00	619	147.00	7369	233.00	1001	332.00	746
59.00	607	148.00	13375	234.00	3081	333.00	1131
61.00	3757	149.00	3251	235.00	1642	334.00	8902
62.00	2499	150.00	507	236.00	1767	335.00	1940
63.00	9135	151.00	1722	237.00	1972	336.00	309
64.00	1620	152.00	1847	238.00	629	340.00	181
65.00	6288	153.00	2585	239.00	2028	341.00	1237
66.00	724	154.00	3230	240.00	1700	344.00	349
67.00	744	155.00	7907	241.00	1454	346.00	2425
68.00	4691	156.00	9776	242.00	4297	347.00	168
69.00	250752	157.00	1597	243.00	4134	351.00	57
70.00	1079	158.00	2827	244.00	62808	352.00	4406
72.00	111	159.00	1178	245.00	7628	353.00	4269
73.00	742	160.00	4596	246.00	9396	354.00	5025
74.00	24448	161.00	6013	247.00	2182	355.00	1306
75.00	42648	162.00	2575	248.00	1340	356.00	53
76.00	13651	163.00	66	249.00	2622	359.00	803
77.00	296512	164.00	250	250.00	92	362.00	58

Report Date: 17-Sep-2019 11:12:16 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083345a.D\8270LVI_18.rslt\spectra.d
Injection Date: 17-Sep-2019 08:38:30
Spectrum: Tune Spec :Average 575-577(4.93-4.93) Bgrd 567(4.90)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 336

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	25352	165.00	4207	251.00	869	365.00	23112
79.00	17768	166.00	3358	252.00	1940	366.00	3129
80.00	14783	167.00	24592	253.00	1888	367.00	154
81.00	22048	168.00	11847	254.00	2222	370.00	499
82.00	6423	169.00	1994	255.00	348480	371.00	767
83.00	3617	170.00	739	256.00	47464	372.00	8230
85.00	2024	171.00	437	257.00	3417	373.00	2741
86.00	4579	172.00	3503	258.00	19344	376.00	103
87.00	3800	173.00	4181	259.00	2622	377.00	146
88.00	1098	174.00	5743	261.00	614	383.00	2791
89.00	113	175.00	11651	262.00	235	384.00	702
91.00	3114	176.00	1573	263.00	340	385.00	224
92.00	4910	177.00	4417	264.00	397	387.00	363
93.00	27728	178.00	1868	265.00	7130	390.00	1172
94.00	1741	179.00	20432	266.00	80	391.00	1327
95.00	332	180.00	19936	267.00	496	392.00	446
96.00	1644	181.00	6947	268.00	106	393.00	355
98.00	21504	182.00	1026	270.00	387	398.00	94
99.00	20992	183.00	1318	271.00	1180	401.00	741
100.00	1718	184.00	2172	272.00	1647	402.00	3212
101.00	8041	185.00	7696	273.00	10562	403.00	5366
102.00	361	186.00	73168	274.00	26872	404.00	1588
103.00	2068	187.00	24392	275.00	155712	408.00	248
104.00	5904	188.00	3160	276.00	19224	411.00	106
105.00	7131	189.00	5100	277.00	11234	415.00	283
106.00	2547	190.00	803	278.00	1465	416.00	631
107.00	84880	191.00	3193	279.00	148	419.00	797
108.00	13339	192.00	6722	282.00	543	421.00	5378
109.00	1617	193.00	7565	283.00	1896	422.00	5542
110.00	168448	194.00	2802	284.00	1692	423.00	36944
111.00	22560	195.00	1794	285.00	3034	424.00	5189
112.00	3536	196.00	17144	286.00	576	425.00	1165
113.00	1912	197.00	4054	288.00	470	426.00	596
114.00	273	198.00	588864	289.00	744	427.00	1070

Report Date: 17-Sep-2019 11:12:16 Chrom Revision: 2.3 22-Aug-2019 12:55:36
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083345a.D\8270LVI_18.rslt\spectra.d
Injection Date: 17-Sep-2019 08:38:30
Spectrum: Tune Spec :Average 575-577(4.93-4.93) Bgrd 567(4.90)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 336

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	588	199.00	37944	290.00	567	428.00	1104
116.00	4556	200.00	3106	291.00	309	429.00	1038
117.00	62704	201.00	1794	292.00	722	430.00	829
118.00	5428	202.00	1392	293.00	2944	431.00	550
119.00	226	203.00	4107	294.00	1784	432.00	454
120.00	557	204.00	19760	295.00	1440	433.00	945
121.00	507	205.00	36216	296.00	42304	434.00	597
122.00	6468	206.00	150400	297.00	6470	435.00	839
123.00	8002	207.00	19048	301.00	811	437.00	1262
124.00	3690	208.00	3878	302.00	72	438.00	408
125.00	4498	209.00	1597	303.00	7686	439.00	1530
126.00	2503	210.00	3565	304.00	1237	440.00	753
127.00	296064	211.00	6469	308.00	360	441.00	120072
128.00	19336	212.00	2126	310.00	289	442.00	676096
129.00	107312	214.00	162	311.00	200	443.00	133376
130.00	11212	215.00	3178	312.00	140	444.00	12506
131.00	1631	216.00	2853	313.00	169	445.00	1073

Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083345a.D
Injection Date: 17-Sep-2019 08:38:30 Instrument ID: CBNAMS18
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL

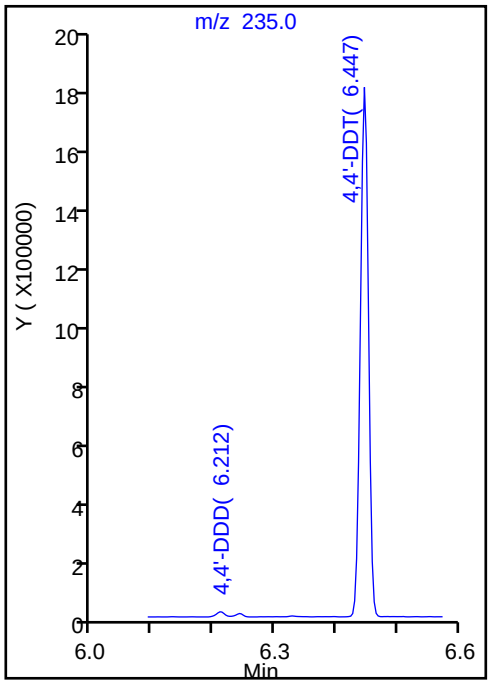
127 4,4'-DDT, Detector: MS SCAN

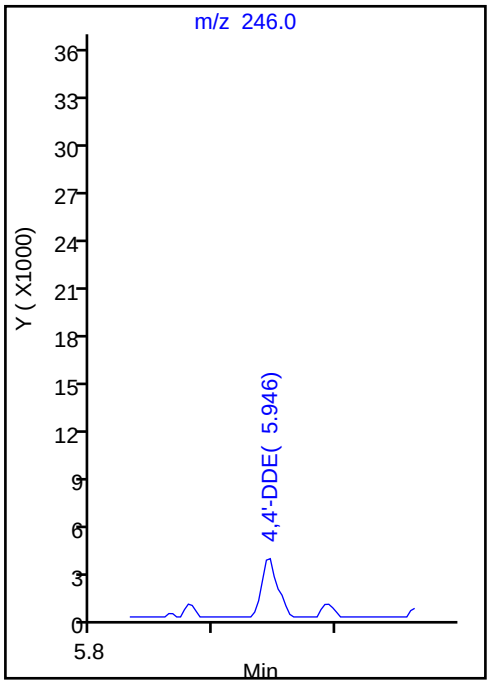
SW-846 Method

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

127 4,4'-DDT, Area = 1662663
126 4,4'-DDD, Area = 16741
125 4,4'-DDE, Area = 3359

%Breakdown: 1.19%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Edison

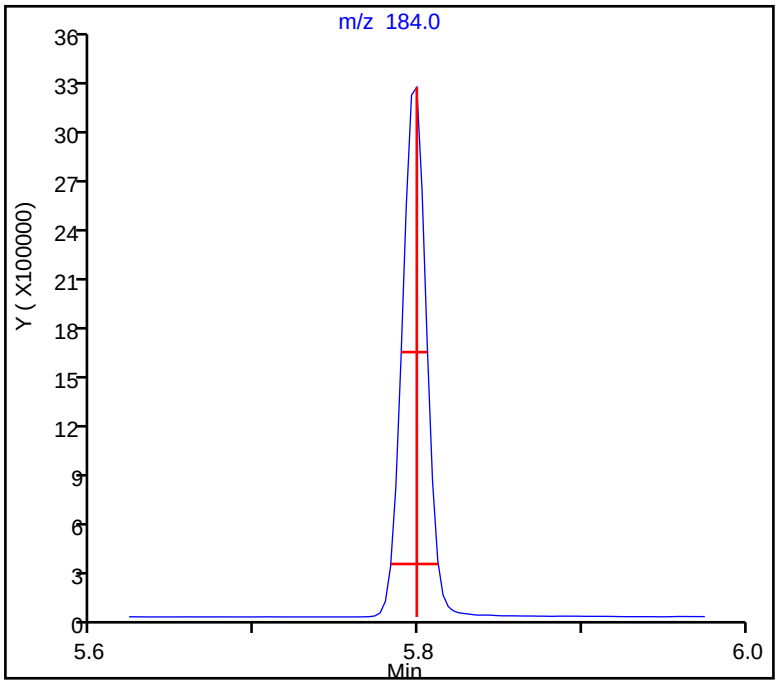
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083345a.D
Injection Date: 17-Sep-2019 08:38:30 Instrument ID: CBNAMS18
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.013 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

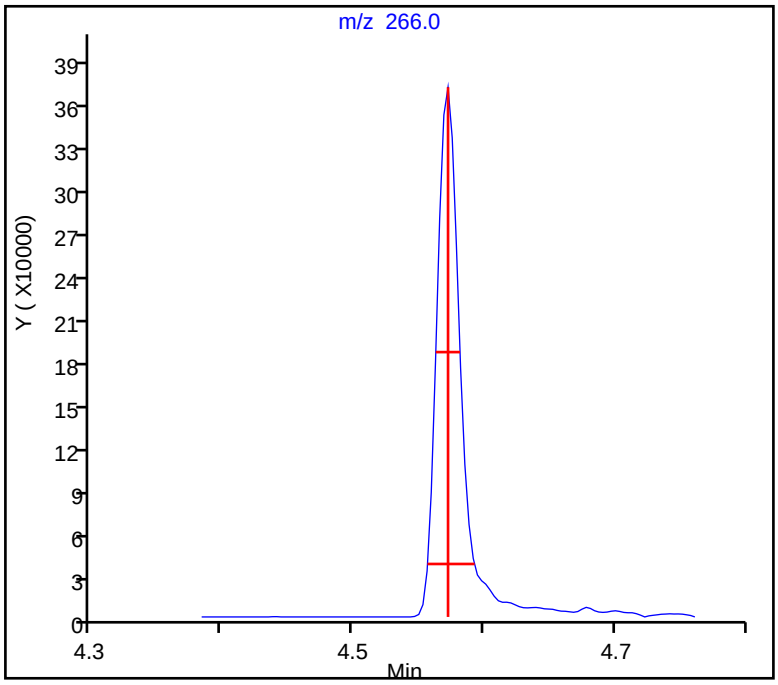
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083345a.D
Injection Date: 17-Sep-2019 08:38:30 Instrument ID: CBNAMS18
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

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

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

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639610/1-A

Matrix: Water Lab File ID: A163893.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 20:32

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639610/1-A

Matrix: Water Lab File ID: A163893.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 20:32

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639610/1-A

Matrix: Water Lab File ID: A163893.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 20:32

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	105		26-139
321-60-8	2-Fluorobiphenyl	88		45-107
367-12-4	2-Fluorophenol (Surr)	47		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	91		51-108
4165-62-2	Phenol-d5 (Surr)	33		14-39
1718-51-0	Terphenyl-d14 (Surr)	96		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163893.D
Lims ID: MB 460-639610/1-A
Client ID:
Sample Type: MB
Inject. Date: 16-Sep-2019 20:32:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-005
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:50:37 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 13:50:59

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	3.269	3.269	0.000	97	853909	10.0	4.73	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	701729	10.0	3.34	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	96	1011946	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	88	1616284	10.0	9.14	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	4098684	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.687	6.693	-0.006	98	3332650	10.0	8.82	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	1971511	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	370648	10.0	10.5	
58 1-Naphthylamine	143	8.069	8.109	-0.047	59	142136		NC	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	3010272	8.00	8.00	
$ 96 Terphenyl-d14	244	10.228	10.228	0.000	100	2310404	10.0	9.61	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1668901	8.00	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	99	1928045	8.00	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

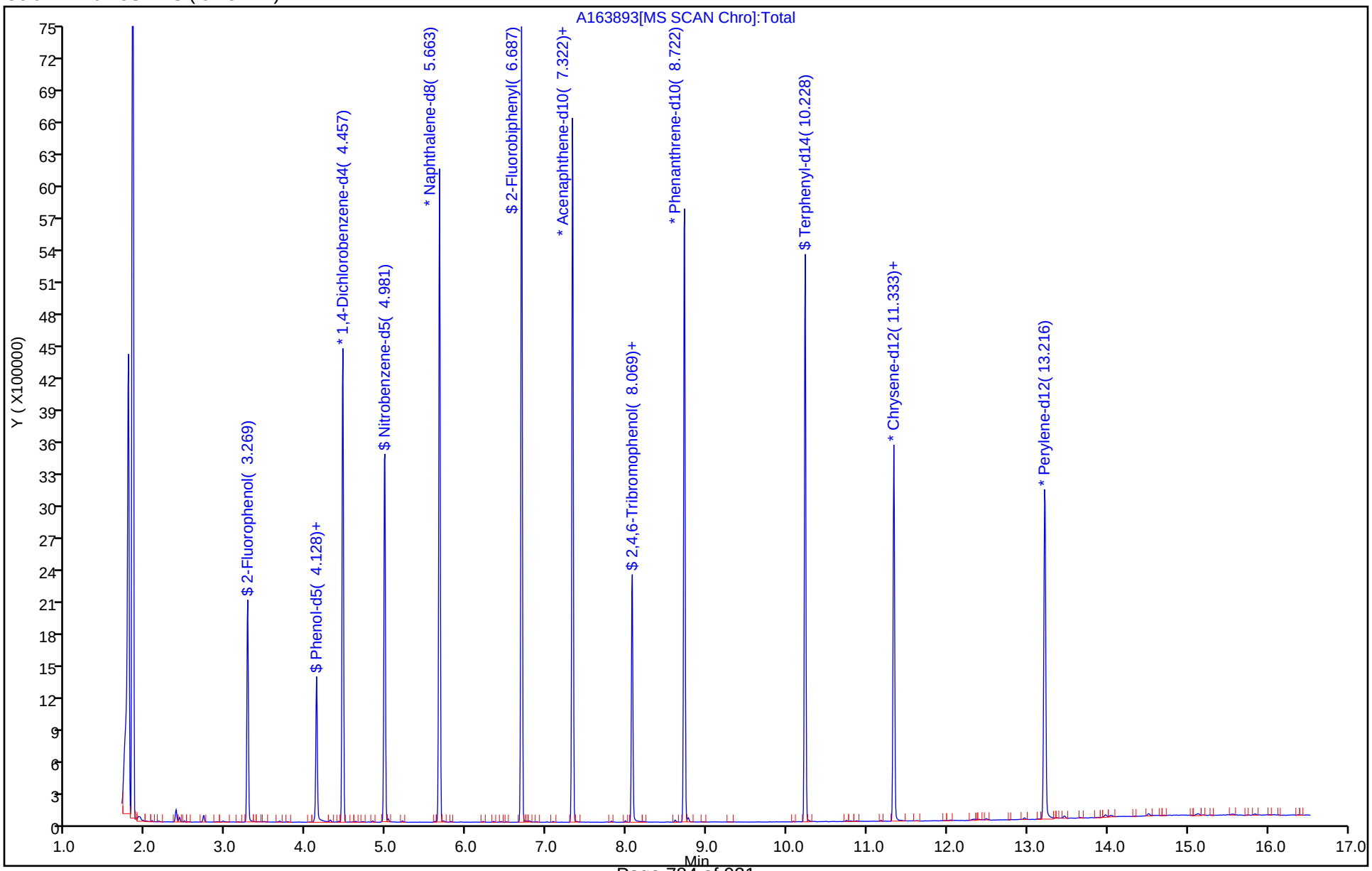
Report Date: 17-Sep-2019 13:51:00 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163893.D

Injection Date:	16-Sep-2019 20:32:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	MB 460-639610/1-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



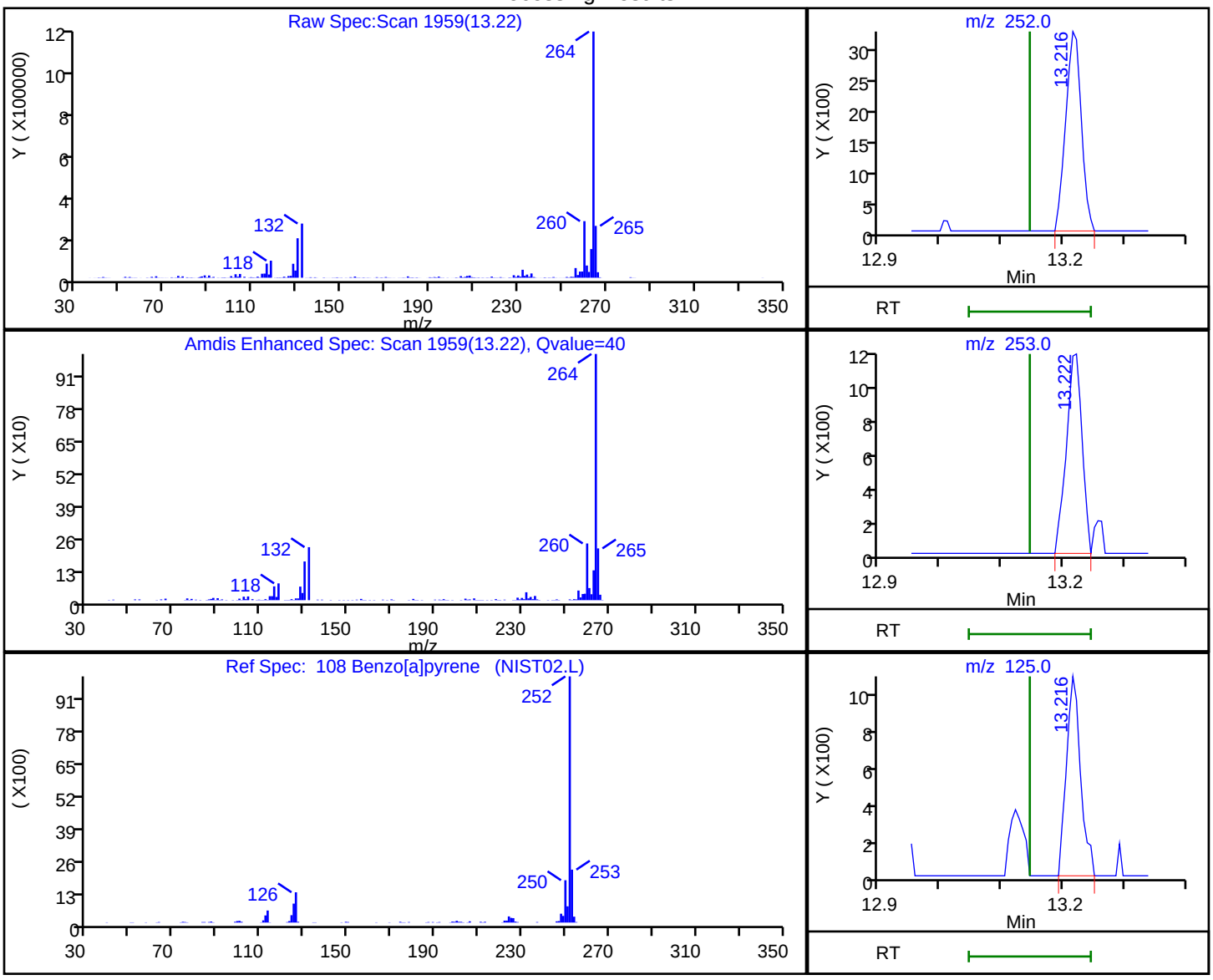
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163893.D
Injection Date: 16-Sep-2019 20:32:30 Instrument ID: CBNAMS16
Lims ID: MB 460-639610/1-A
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
13.22	252.00	5787	0.021179
13.22	253.00	2059	
13.22	125.00	1652	

Reviewer: eisam, 16-Sep-2019 20:54:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

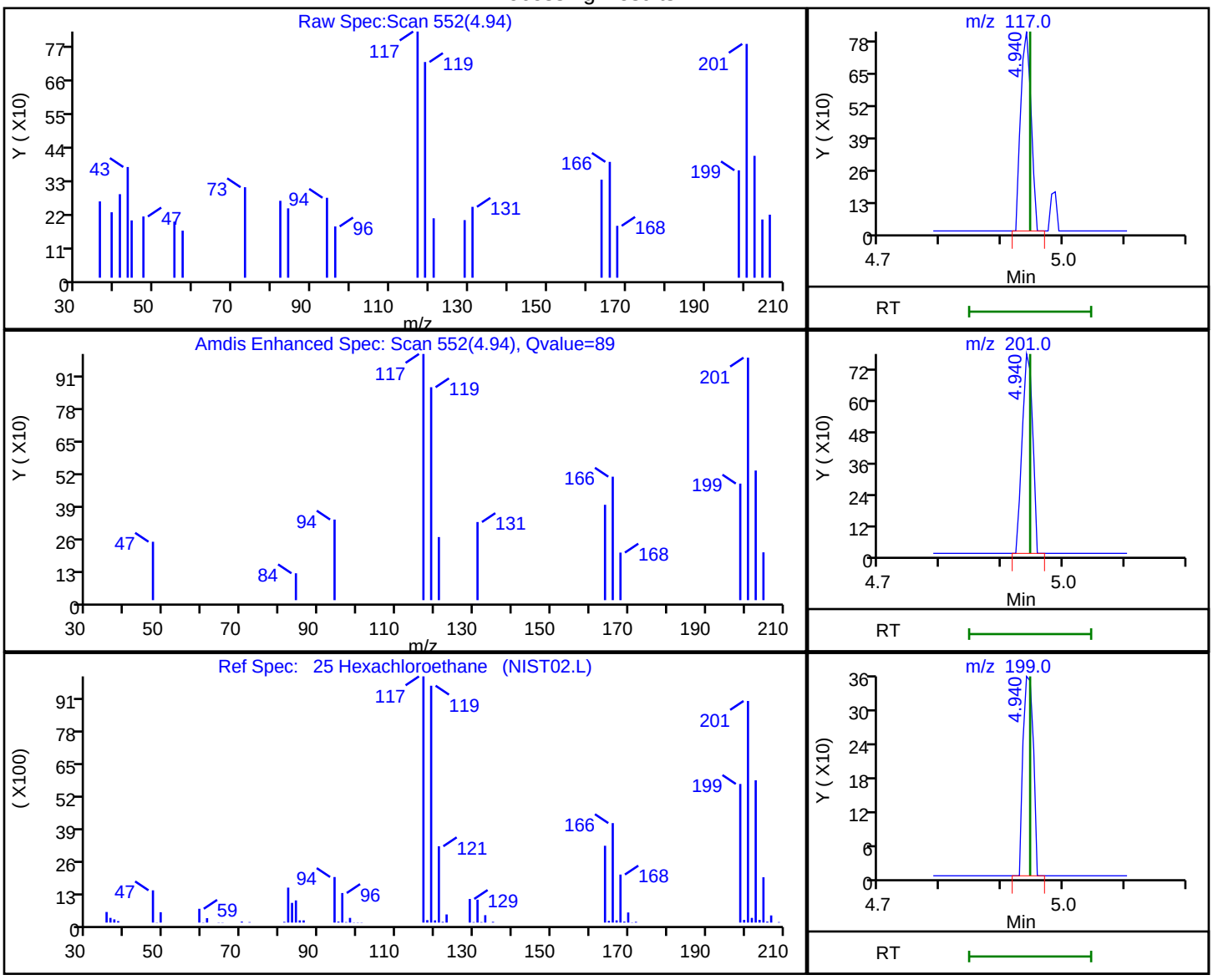
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163893.D				
Injection Date:	16-Sep-2019 20:32:30	Instrument ID:	CBNAMS16		
Lims ID:	MB 460-639610/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

25 Hexachloroethane, CAS: 67-72-1

Processing Results



RT	Mass	Response	Amount
4.94	117.00	958	0.014121
4.94	201.00	918	
4.94	199.00	413	

Reviewer: eisam, 16-Sep-2019 20:54:36

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.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639875/1-A

Matrix: Water Lab File ID: P083361.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 14:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	0.28	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	0.30	U	10	0.30
120-83-2	2,4-Dichlorophenol	0.42	U	10	0.42
105-67-9	2,4-Dimethylphenol	0.24	U	10	0.24
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.39	U	2.0	0.39
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.26	U	10	0.26
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	0.96	U	10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.24	U	10	0.24
100-01-6	4-Nitroaniline	0.54	U	10	0.54
100-02-7	4-Nitrophenol	0.69	U	20	0.69
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	0.79	U	10	0.79
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	0.59	U	10	0.59
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	1.1	U	2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639875/1-A

Matrix: Water Lab File ID: P083361.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 14:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.24	U	10	0.24
111-44-4	Bis(2-chloroethyl)ether	0.30	U	1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
67-72-1	Hexachloroethane	1.2	U	2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	1.3	U	2.0	1.3
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	10	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-639875/1-A

Matrix: Water Lab File ID: P083361.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 14:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		26-139
321-60-8	2-Fluorobiphenyl	81		45-107
367-12-4	2-Fluorophenol (Surr)	50		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	93		51-108
4165-62-2	Phenol-d5 (Surr)	34		14-39
1718-51-0	Terphenyl-d14 (Surr)	88		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D
Lims ID: MB 460-639875/1-A
Client ID:
Sample Type: MB
Inject. Date: 17-Sep-2019 14:13:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-017
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 18-Sep-2019 09:35:31 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: maheseep Date: 18-Sep-2019 09:35:31

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	3.194	3.196	-0.005	94	672250	10.0	5.02	
$ 6 Phenol-d5	99	4.070	4.077	-0.011	98	564777	10.0	3.37	
10 Benzonitrile	103	4.187	4.192	-0.009	53	960		NC	
26 2-Toluidine	107	4.359	4.314	0.041	44	412		NC	
* 14 1,4-Dichlorobenzene-d4	152	4.437	4.439	-0.002	98	704423	8.00	8.00	
31 Pentachlorophenol_T	266	4.587	4.573	0.015	58	297		NC	
$ 27 Nitrobenzene-d5	82	4.958	4.961	-0.005	87	1442038	10.0	9.31	
* 38 Naphthalene-d8	136	5.648	5.648	0.000	100	2849758	8.00	8.00	
56 Benzidine_T	184	5.885	5.797	0.086	54	137		NC	
$ 51 2-Fluorobiphenyl	172	6.673	6.672	-0.002	98	2339715	10.0	8.09	
* 64 Acenaphthene-d10	164	7.311	7.312	-0.001	96	1546798	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.049	8.051	-0.006	94	377865	10.0	8.62	
58 1-Naphthylamine	143	8.118	8.096	0.018	51	867		NC	
71 2-Naphthylamine	143	8.407	8.409	-0.006	1	930		NC	
* 87 Phenanthrene-d10	188	8.707	8.709	-0.002	99	2502617	8.00	8.00	
$ 96 Terphenyl-d14	244	10.217	10.214	-0.003	100	2453145	10.0	8.80	
* 102 Chrysene-d12	240	11.326	11.332	-0.006	100	2027051	8.00	8.00	
* 109 Perylene-d12	264	13.210	13.214	-0.004	99	1962270	8.00	8.00	
125 4,4'-DDE	246	5.963	5.946	0.017	1	581		NR	
126 4,4'-DDD	235	6.240	6.209	0.031	54	772		NR	
127 4,4'-DDT	235	6.452	6.447	0.005	55	88		NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00187 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 18-Sep-2019 09:35:37 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D

Injection Date: 17-Sep-2019 14:13:30 Instrument ID: CBNAMS18 Operator ID:

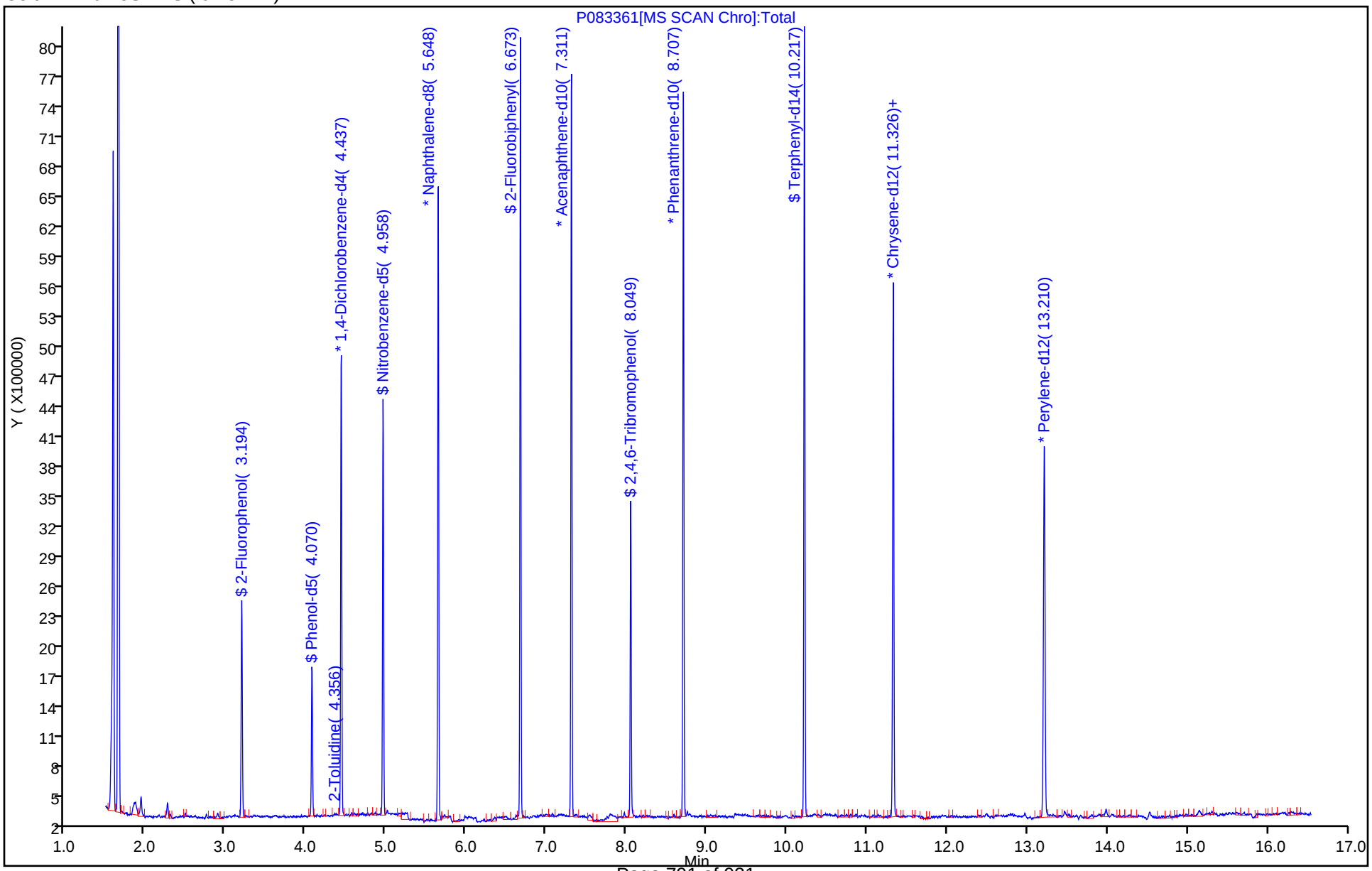
Lims ID: MB 460-639875/1-A Worklist Smp#: 17

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 17

Method: 8270LVI_18 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



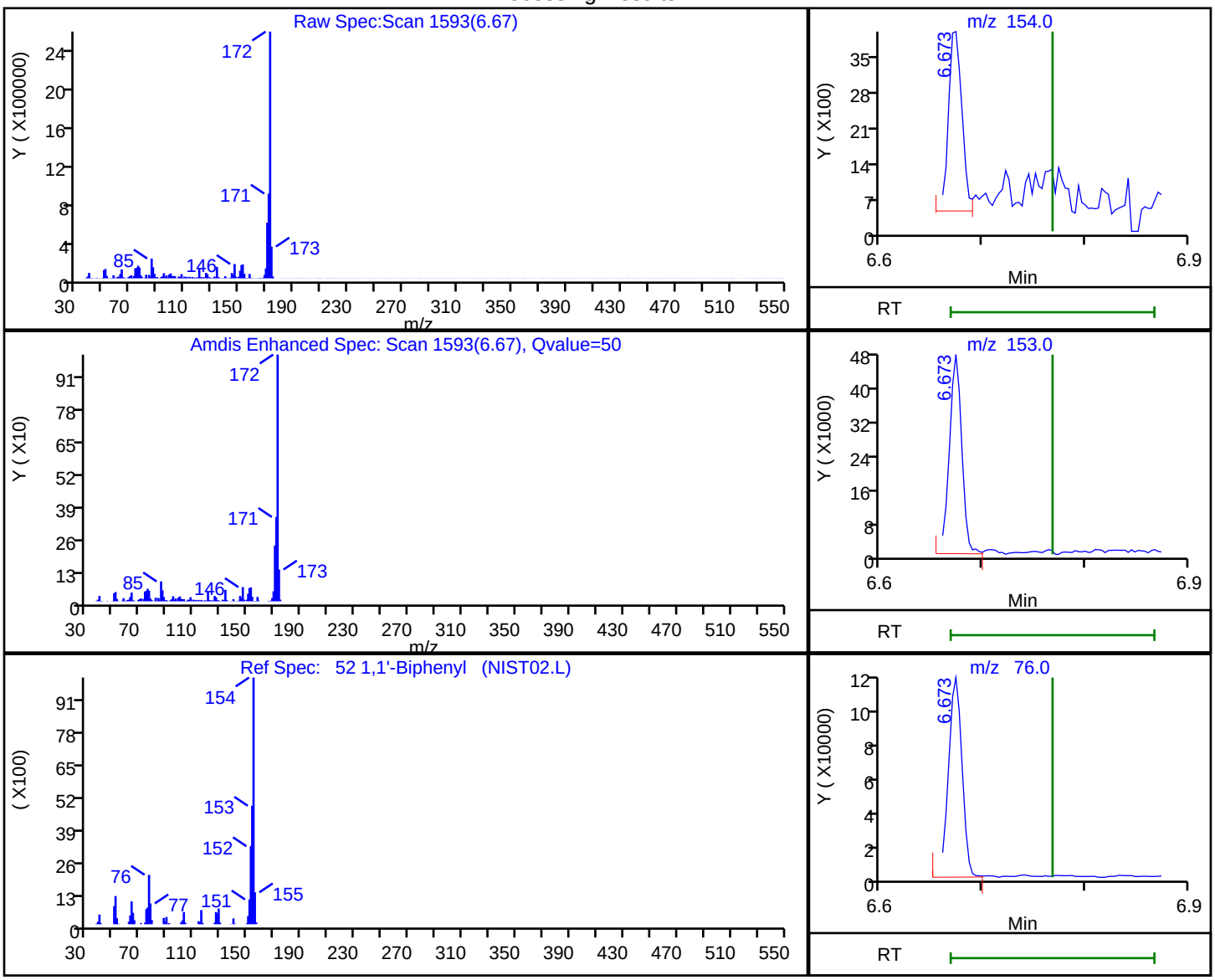
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.67	154.00	3235	0.010723
6.67	153.00	39580	
6.67	76.00	102297	

Reviewer: zhaoc, 17-Sep-2019 14:45:04

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

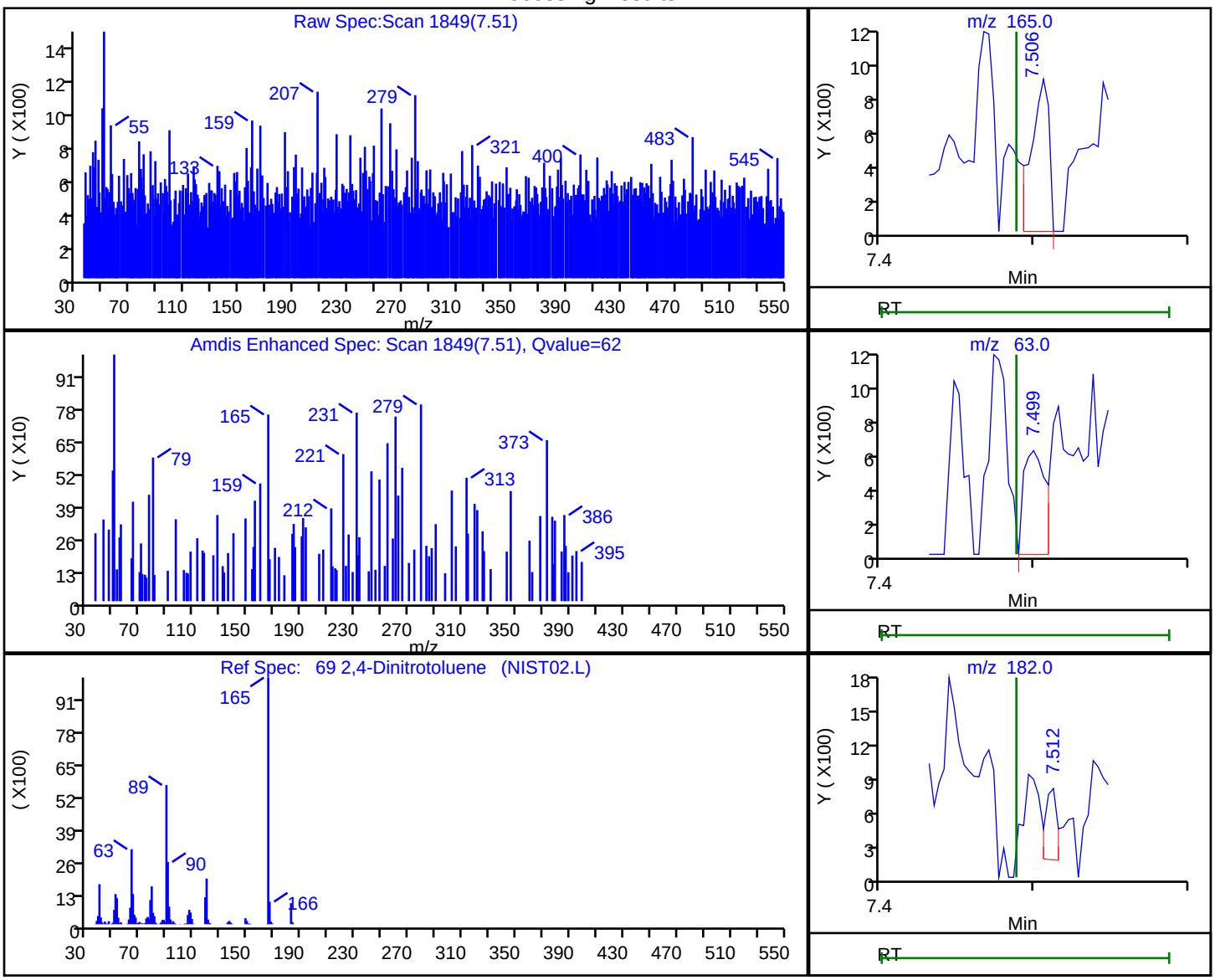
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

69 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
7.51	165.00	723	0.009701
7.50	63.00	567	
7.51	182.00	334	

Reviewer: zhaoc, 17-Sep-2019 14:45:21

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

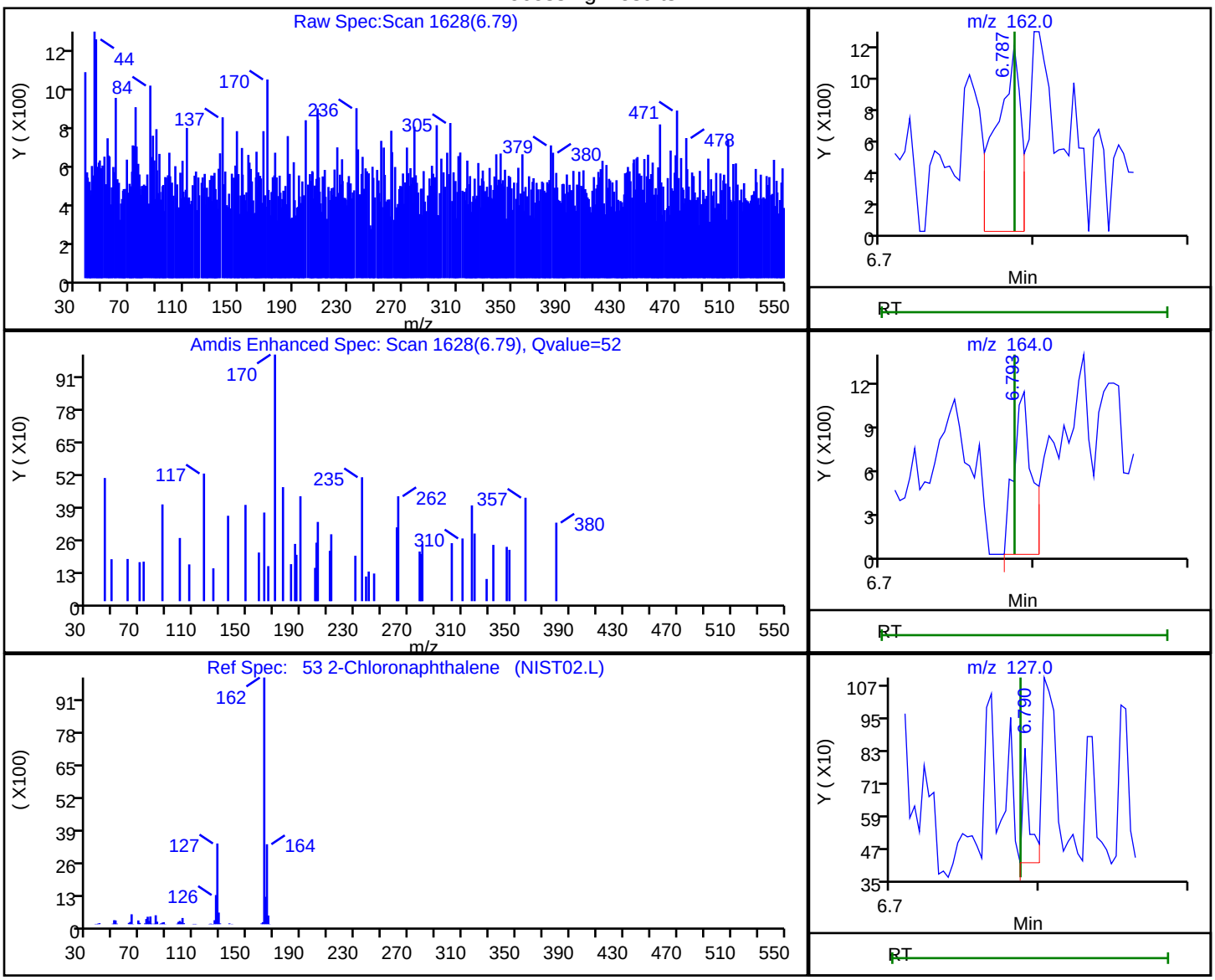
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

53 2-Chloronaphthalene, CAS: 91-58-7

Processing Results



RT	Mass	Response	Amount
6.79	162.00	1279	0.005347
6.79	164.00	886	
6.79	127.00	138	

Reviewer: zhaoc, 17-Sep-2019 14:45:07

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

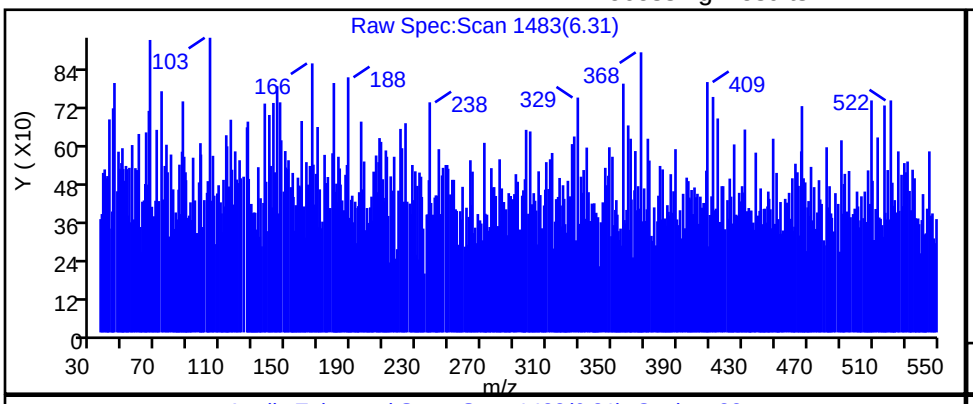
User Disabled Compound Report

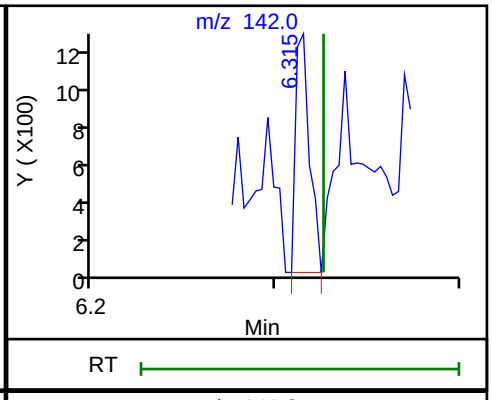
Eurofins TestAmerica, Edison

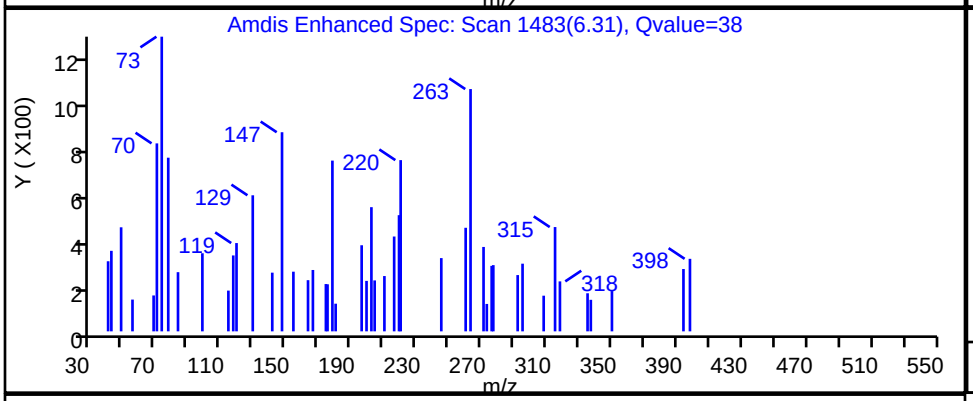
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

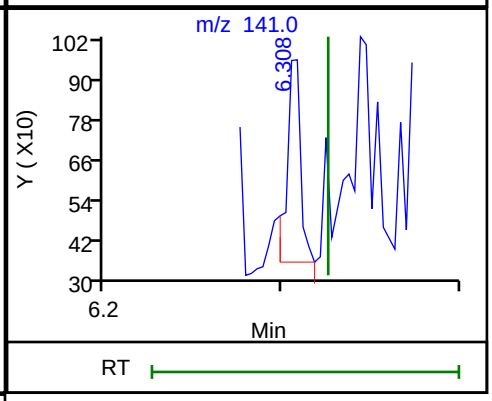
44 2-Methylnaphthalene, CAS: 91-57-6

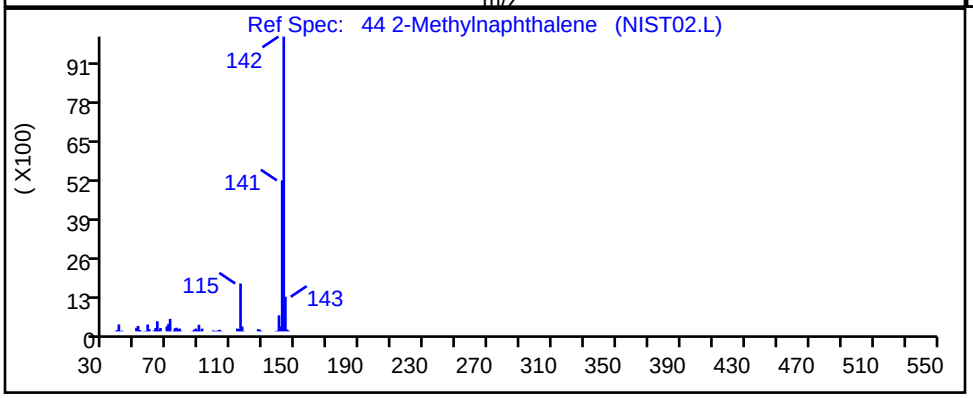
Processing Results











RT	Mass	Response	Amount
6.31	142.00	650	0.002754
6.31	141.00	325	

Reviewer: zhaoc, 17-Sep-2019 14:44:57

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

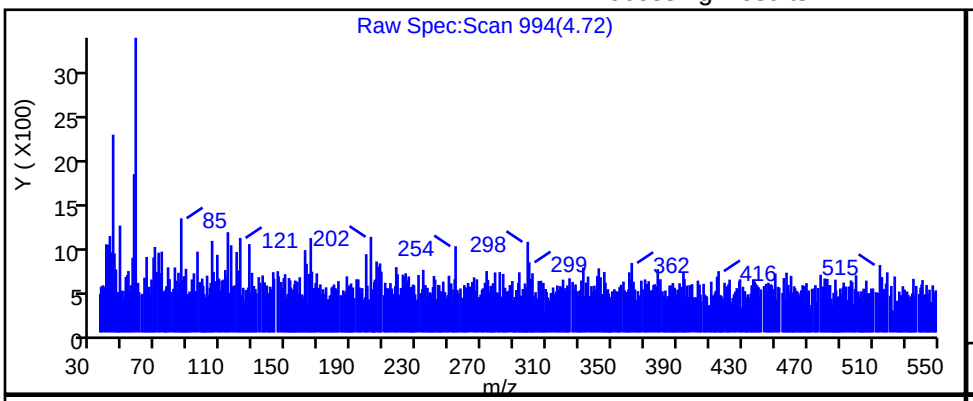
User Disabled Compound Report

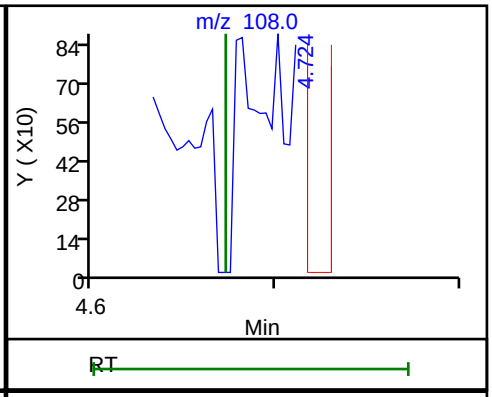
Eurofins TestAmerica, Edison

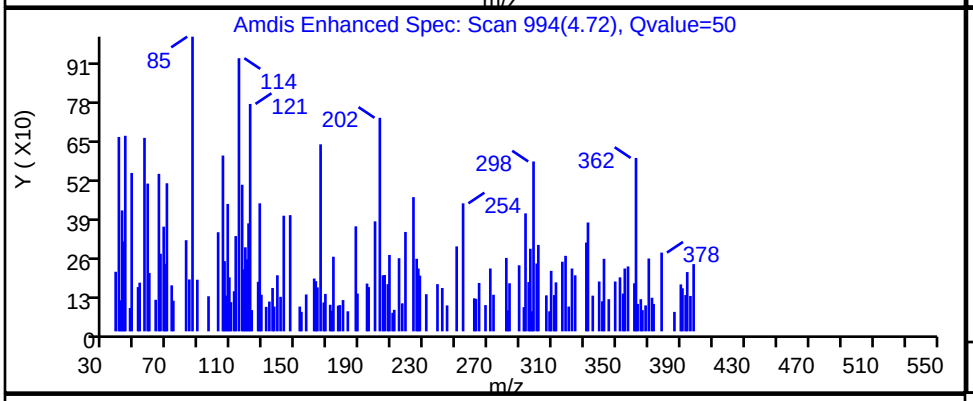
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

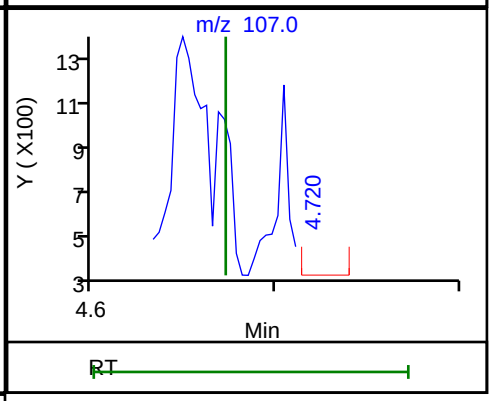
18 2-Methylphenol, CAS: 95-48-7

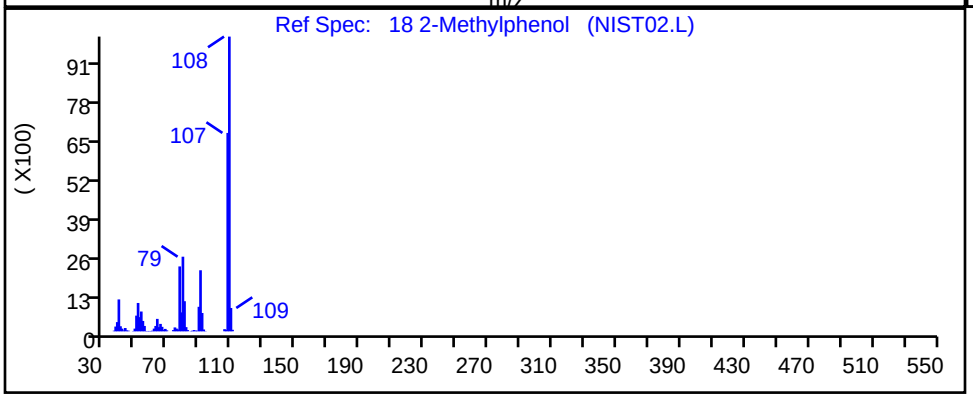
Processing Results











RT	Mass	Response	Amount
4.72	108.00	435	0.003516
4.72	107.00	509	

Reviewer: zhaoc, 17-Sep-2019 14:44:39

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

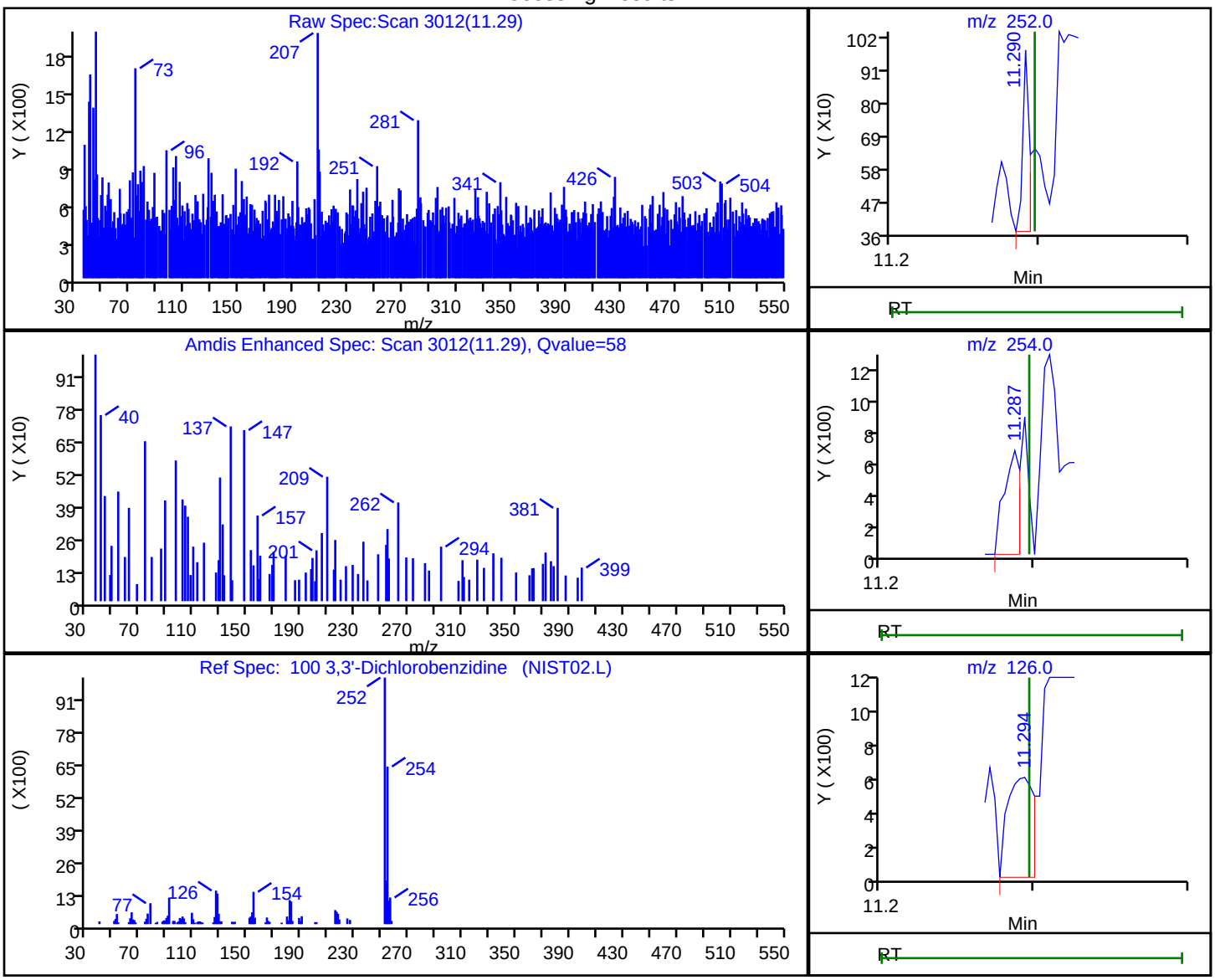
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

100 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
11.29	252.00	189	0.001636
11.29	254.00	460	
11.29	126.00	695	

Reviewer: zhaoc, 17-Sep-2019 14:45:51

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

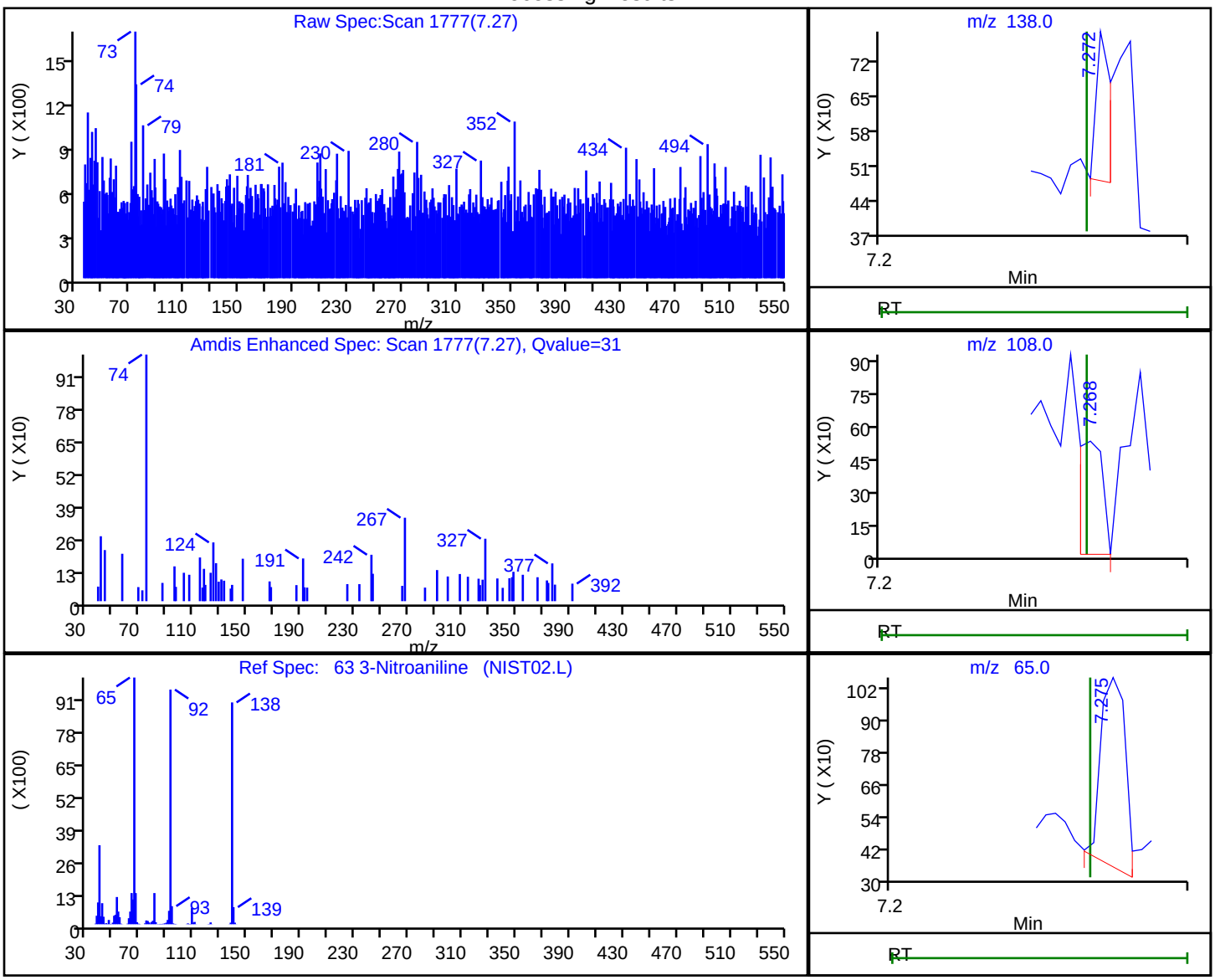
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.27	138.00	97	0.001506
7.27	108.00	294	
7.27	65.00	412	

Reviewer: zhaoc, 17-Sep-2019 14:45:15

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

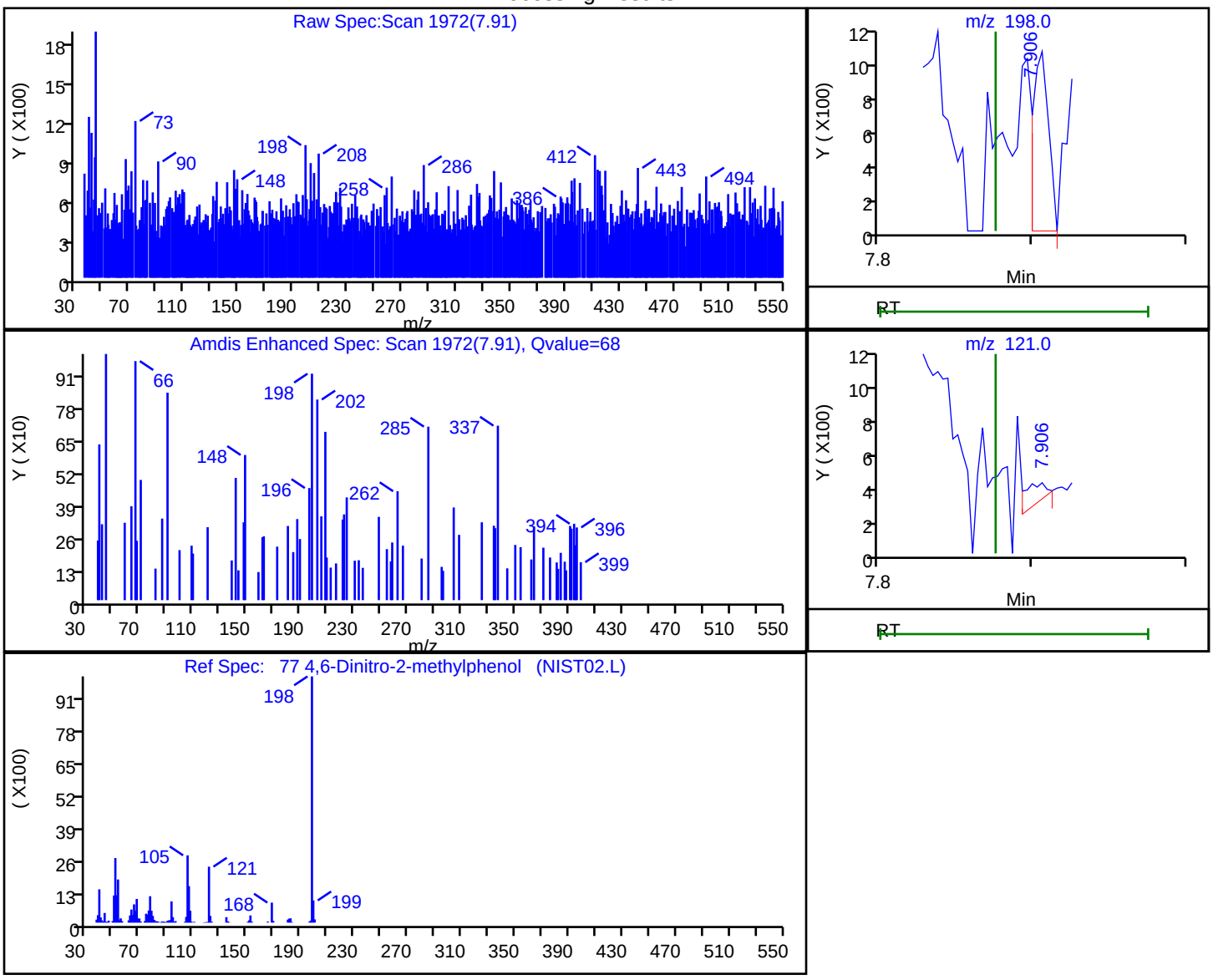
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

77 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Processing Results



RT	Mass	Response	Amount
7.91	198.00	717	0.019500
7.91	121.00	117	

Reviewer: zhaoc, 17-Sep-2019 14:45:28

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

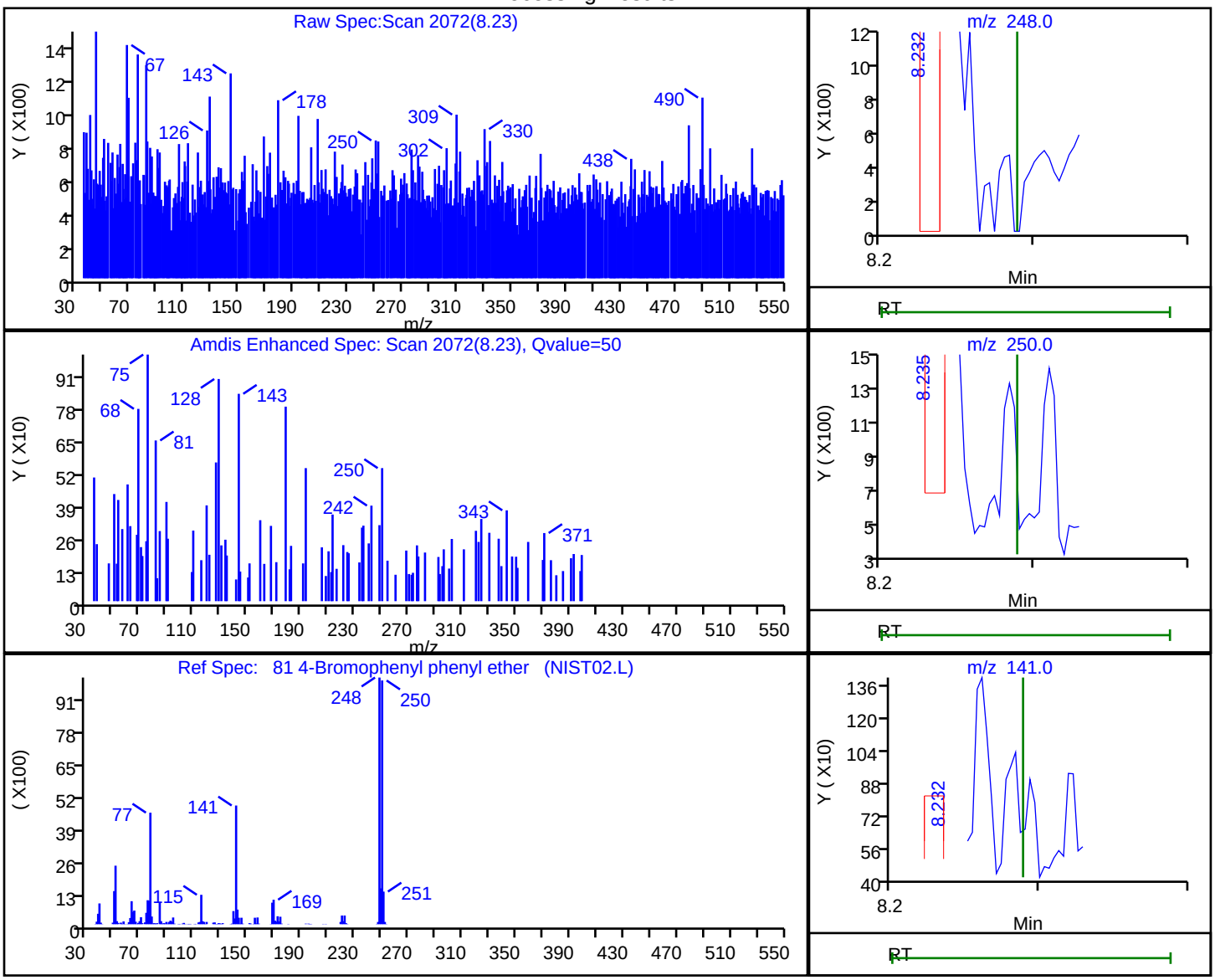
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

81 4-Bromophenyl phenyl ether, CAS: 101-55-3

Processing Results



RT	Mass	Response	Amount
8.23	248.00	615	0.008050
8.23	250.00	579	
8.23	141.00	594	

Reviewer: zhaoc, 17-Sep-2019 14:45:31

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

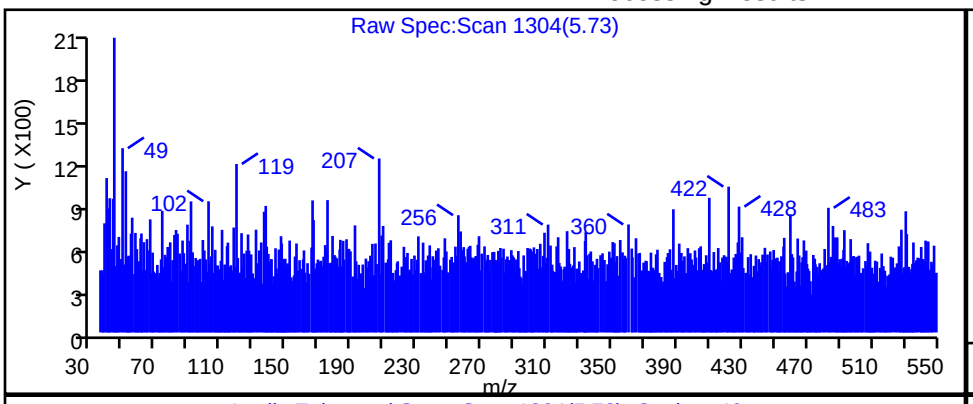
User Disabled Compound Report

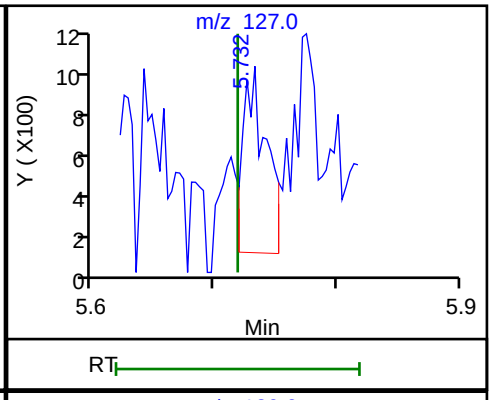
Eurofins TestAmerica, Edison

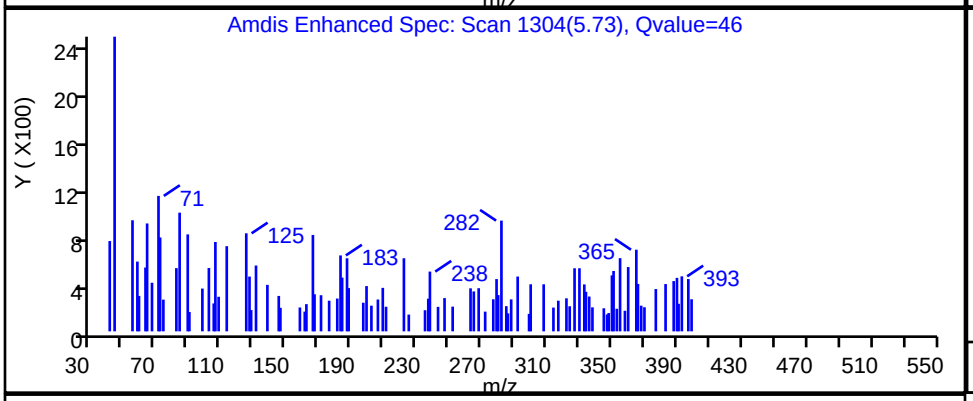
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

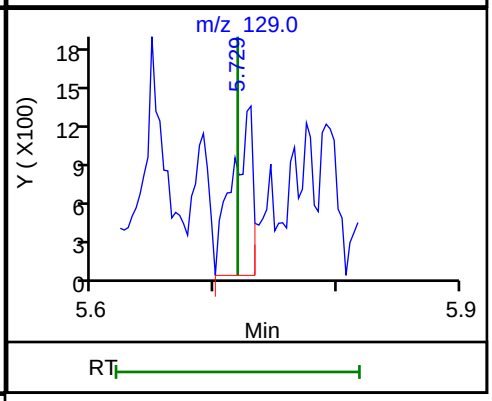
40 4-Chloroaniline, CAS: 106-47-8

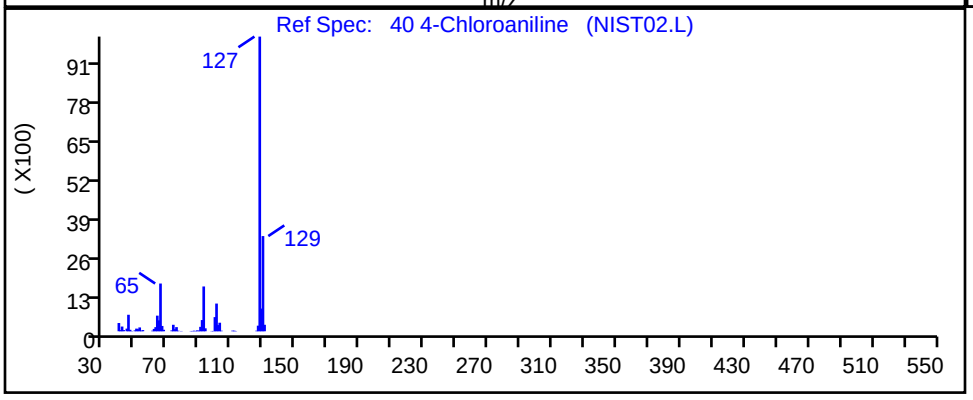
Processing Results











RT	Mass	Response	Amount
5.73	127.00	1233	0.007742
5.73	129.00	1523	

Reviewer: zhaoc, 17-Sep-2019 14:44:52

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

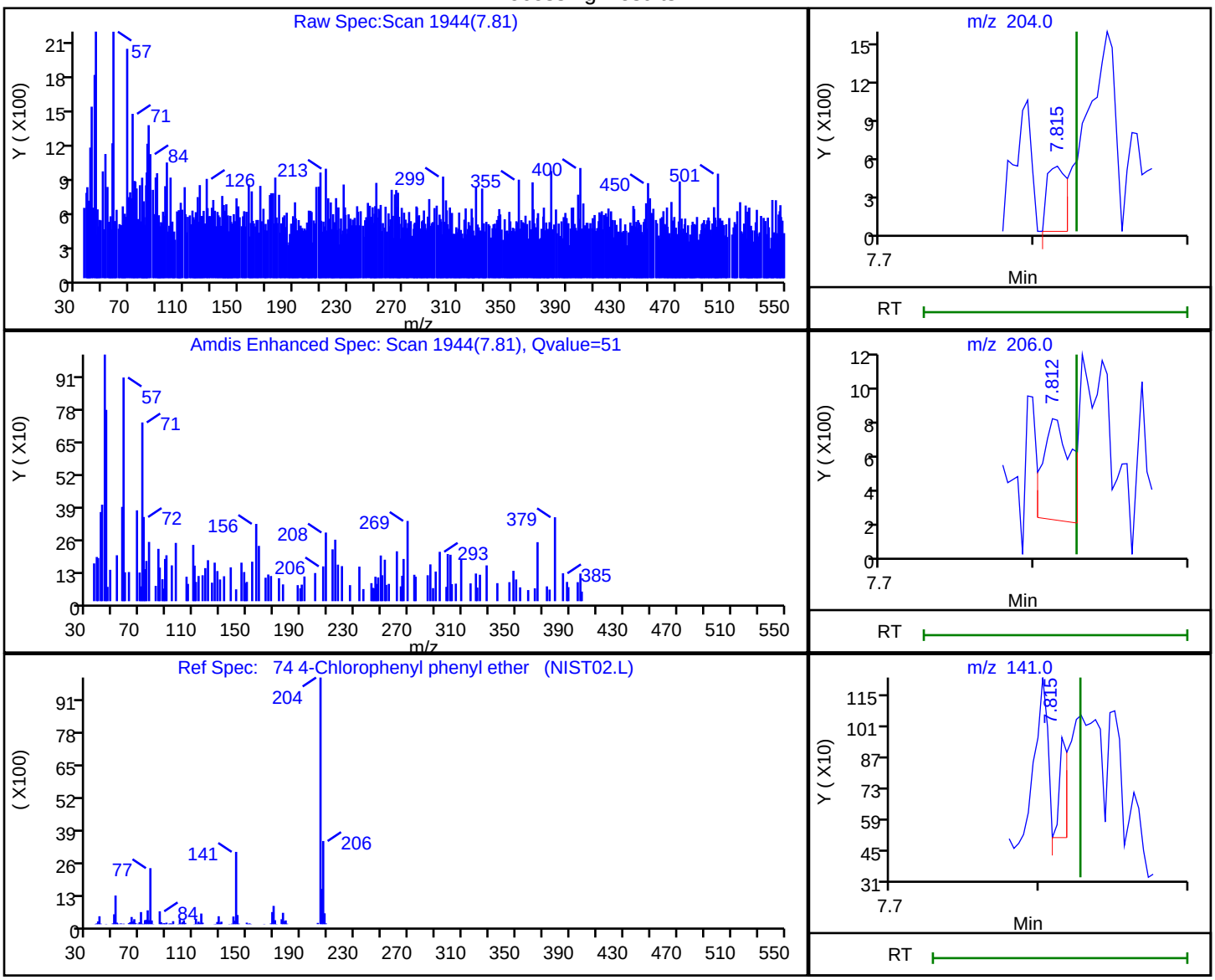
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 4-Chlorophenyl phenyl ether, CAS: 7005-72-3

Processing Results



RT	Mass	Response	Amount
7.81	204.00	443	0.003463
7.81	206.00	764	
7.81	141.00	176	

Reviewer: zhaoc, 17-Sep-2019 14:45:26

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

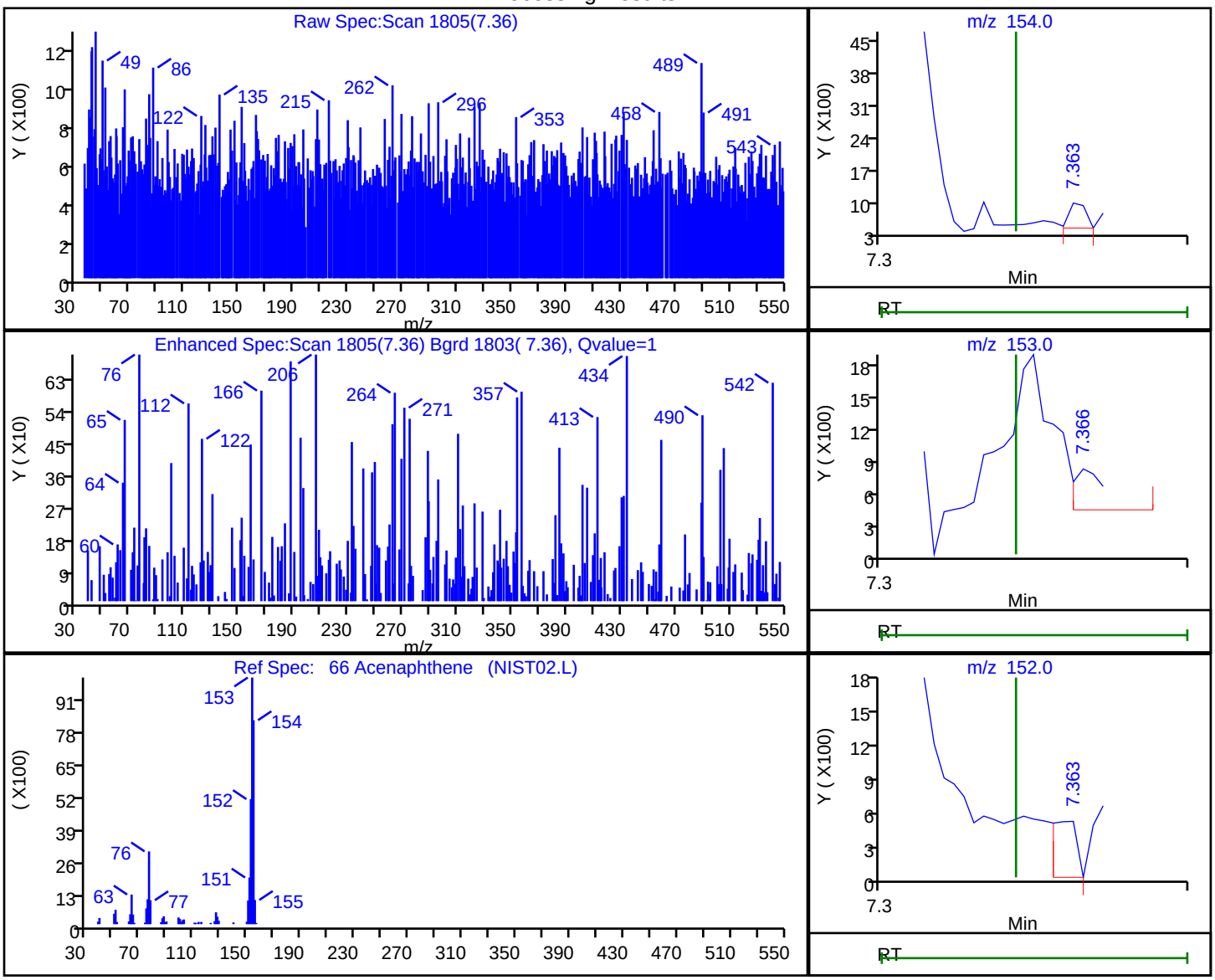
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D
Injection Date: 17-Sep-2019 14:13:30 Instrument ID: CBNAMS18
Lims ID: MB 460-639875/1-A
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.36	154.00	206	0.000910
7.37	153.00	310	
7.36	152.00	281	

Reviewer: zhaoc, 17-Sep-2019 14:45:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

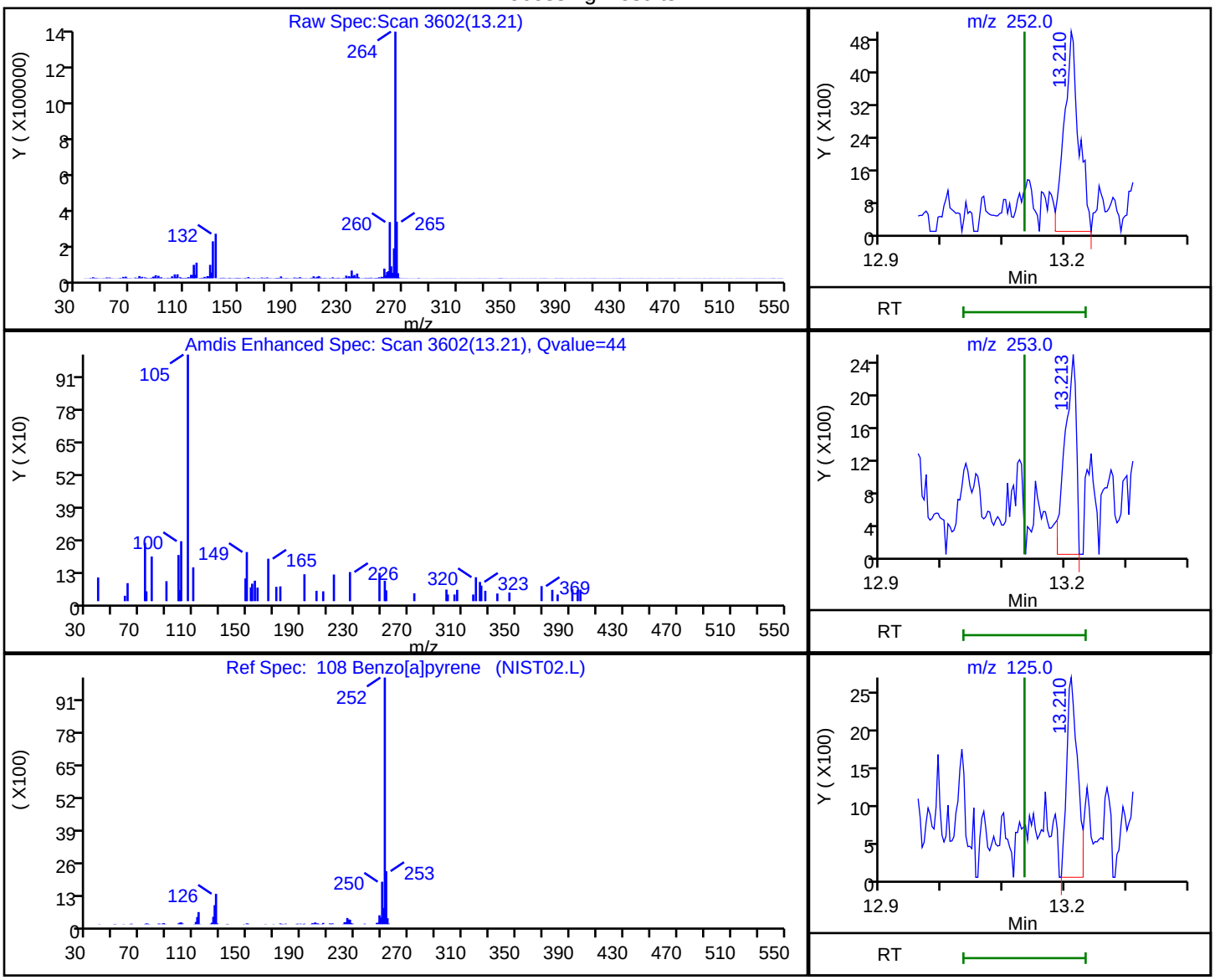
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.21	252.00	8170	0.030510
13.21	253.00	3092	
13.21	125.00	3176	

Reviewer: zhaoc, 17-Sep-2019 14:45:58

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

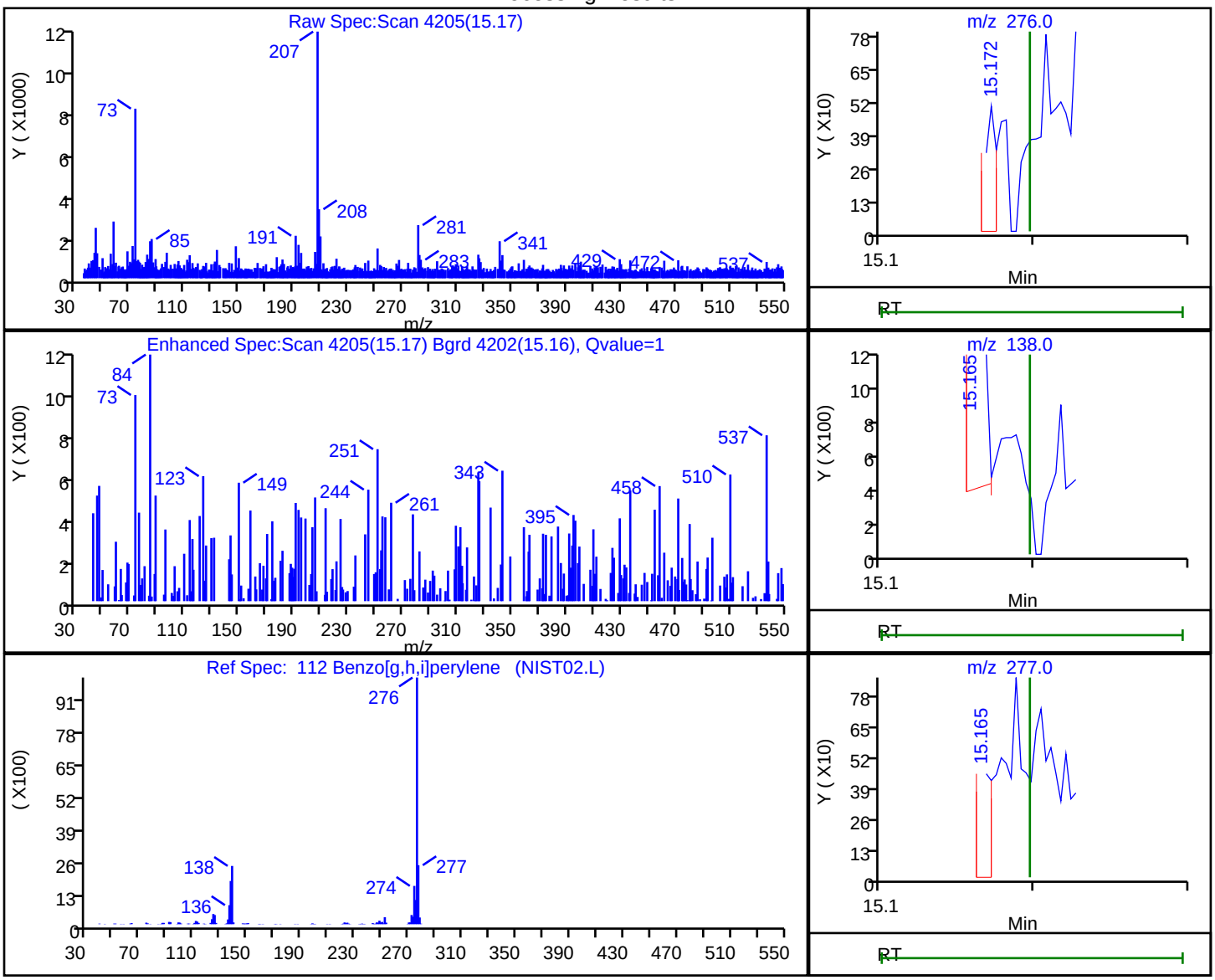
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

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

Processing Results



RT	Mass	Response	Amount
15.17	276.00	221	0.000873
15.17	138.00	543	
15.17	277.00	261	

Reviewer: zhaoc, 17-Sep-2019 14:46:00

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

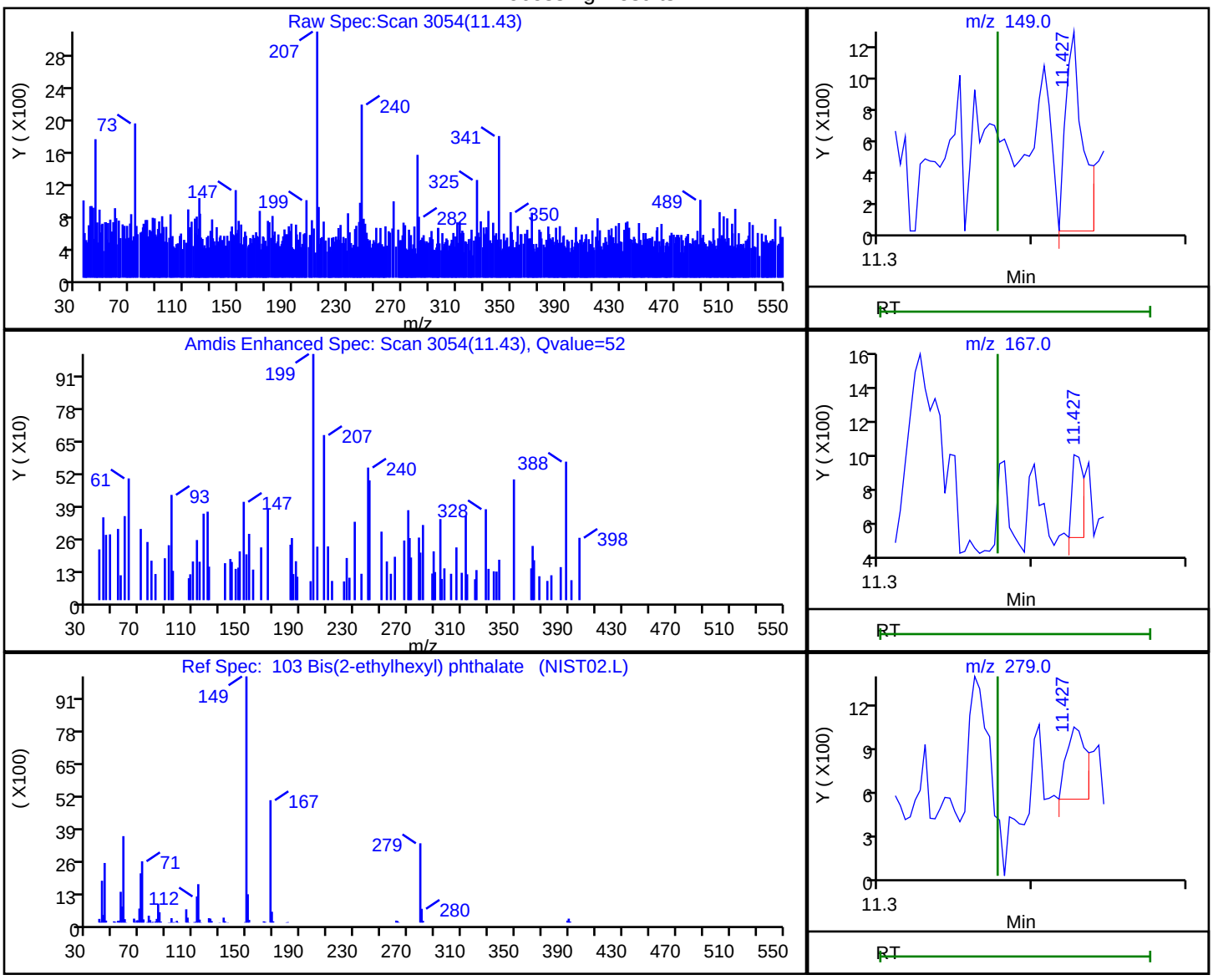
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

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

Processing Results



RT	Mass	Response	Amount
11.43	149.00	989	0.085127
11.43	167.00	237	
11.43	279.00	425	

Reviewer: zhaoc, 17-Sep-2019 14:45:53

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

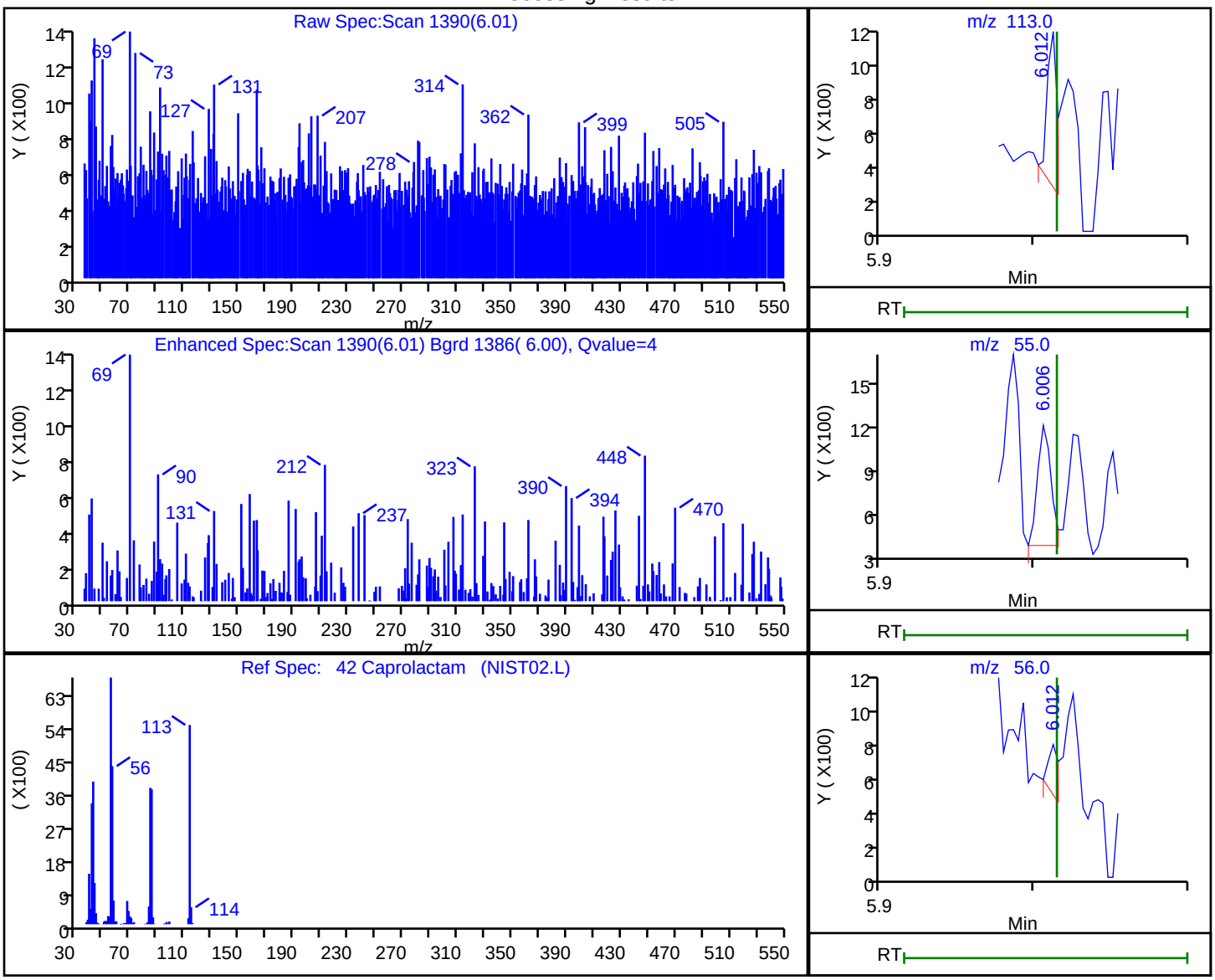
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

42 Caprolactam, CAS: 105-60-2

Processing Results



RT	Mass	Response	Amount
6.01	113.00	399	0.012101
6.01	55.00	478	
6.01	56.00	134	

Reviewer: zhaoc, 17-Sep-2019 14:44:55

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

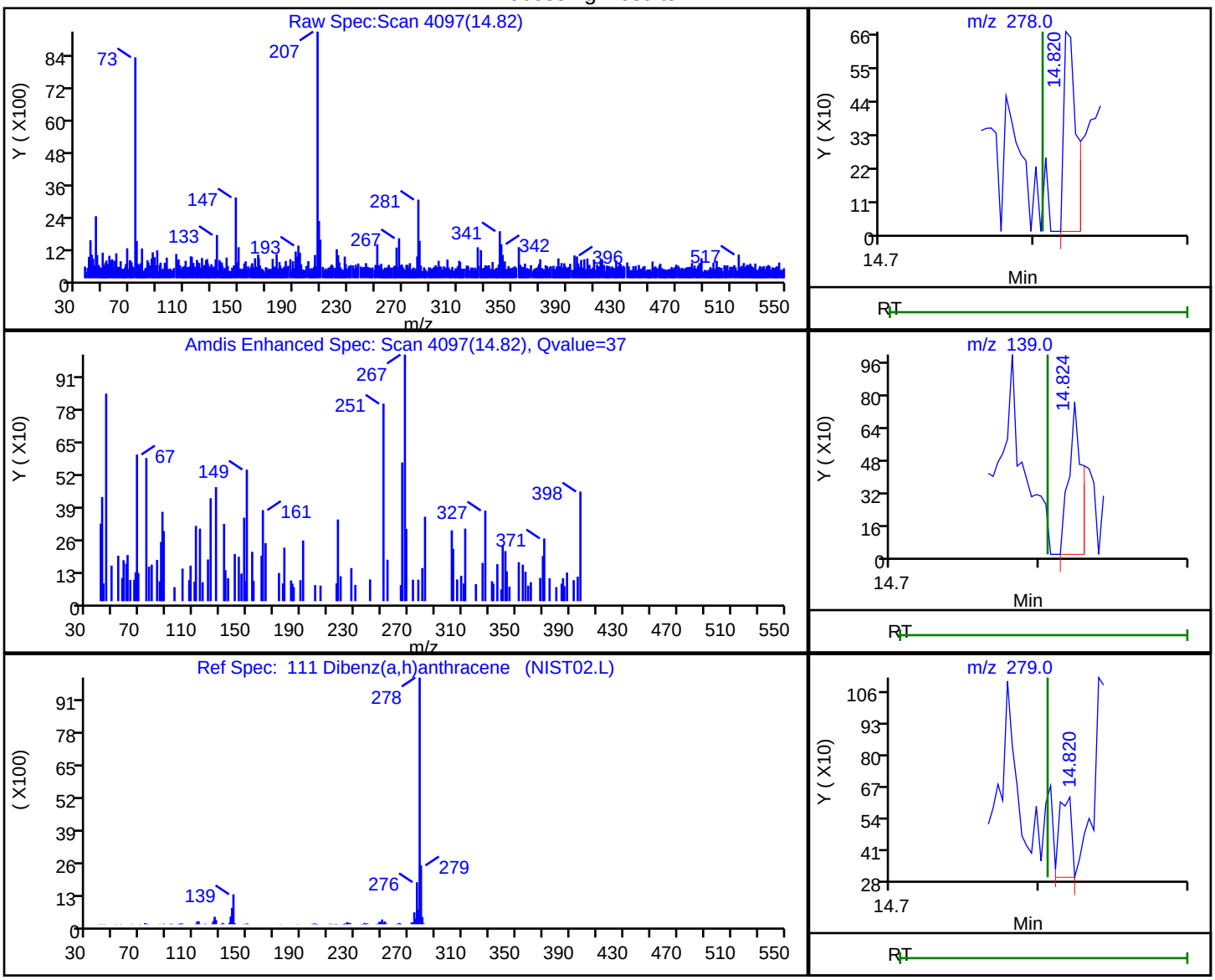
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
14.82	278.00	376	0.001520
14.82	139.00	455	
14.82	279.00	190	

Reviewer: zhaoc, 17-Sep-2019 14:46:01

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

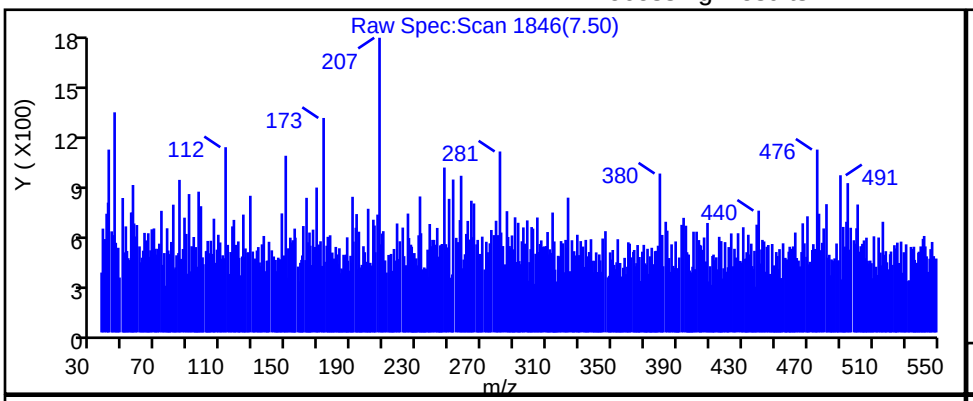
User Disabled Compound Report

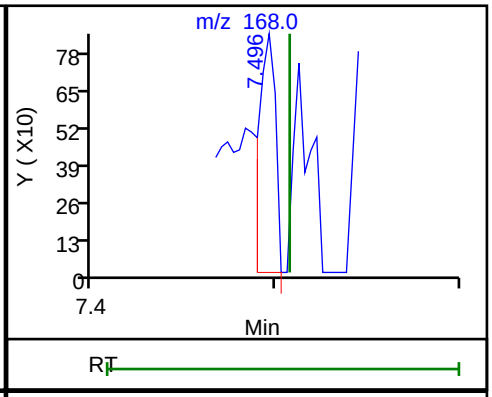
Eurofins TestAmerica, Edison

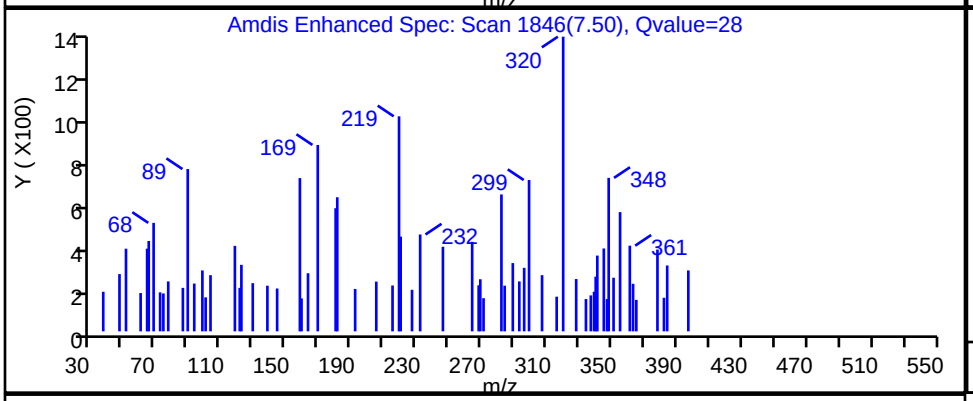
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D		
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18
Lims ID:	MB 460-639875/1-A		
Client ID:			
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

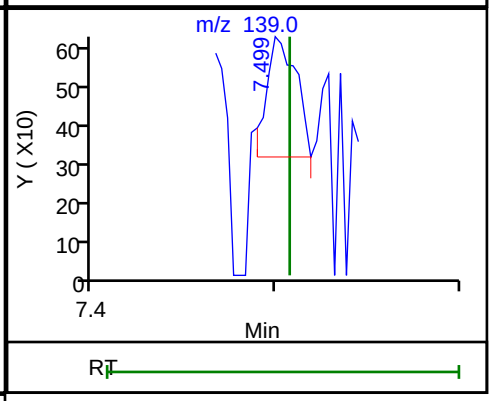
70 Dibenzofuran, CAS: 132-64-9

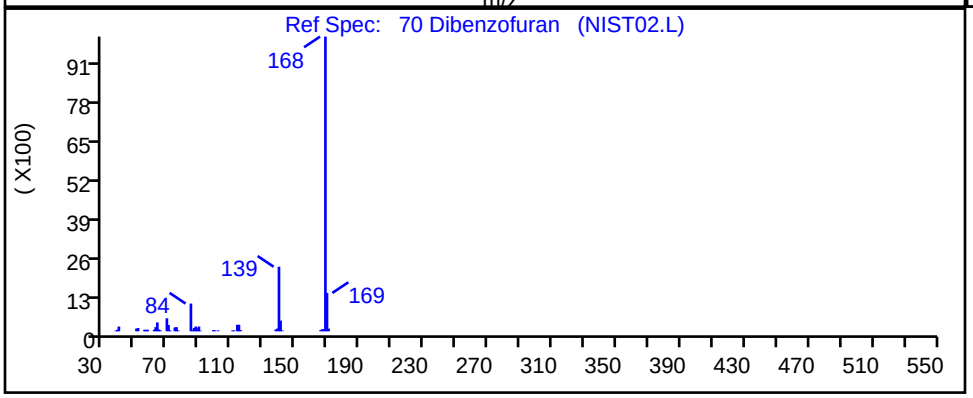
Processing Results











RT	Mass	Response	Amount
7.50	168.00	523	0.001662
7.50	139.00	353	

Reviewer: zhaoc, 17-Sep-2019 14:45:22

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

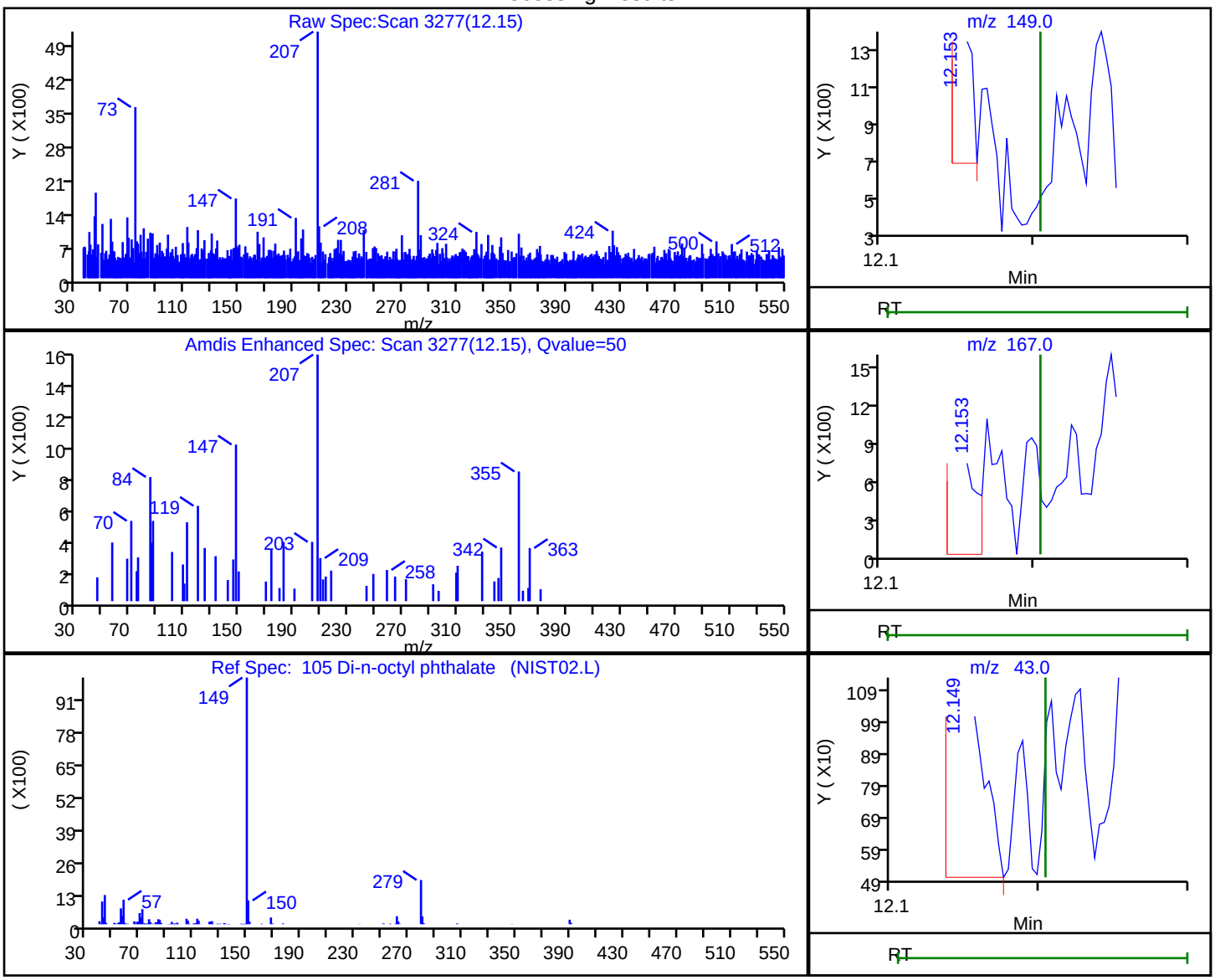
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
12.15	149.00	470	0.001403
12.15	167.00	819	
12.15	43.00	1165	

Reviewer: zhaoc, 17-Sep-2019 14:45:55

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

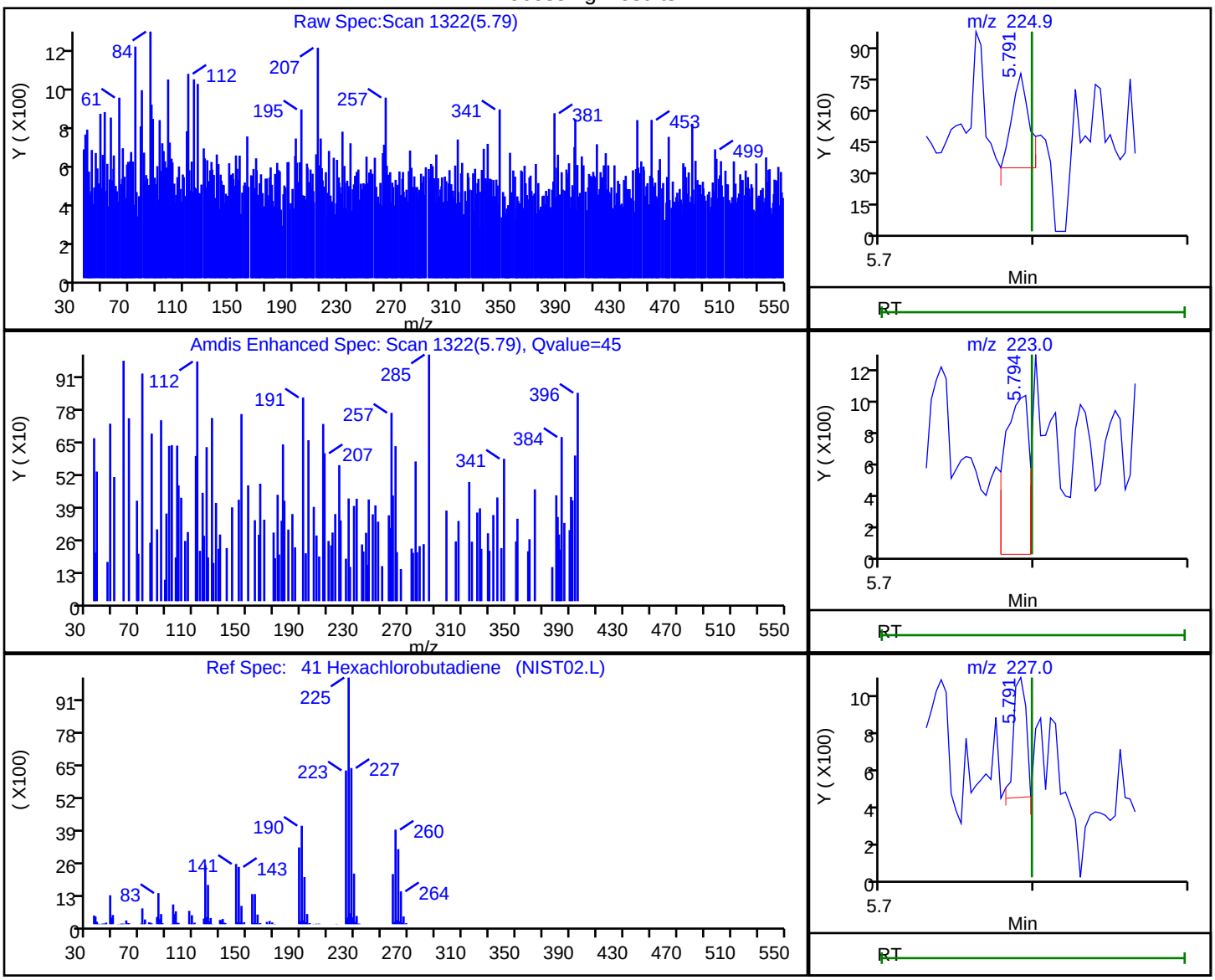
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

41 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
5.79	224.90	351	-0.027414
5.79	223.00	1090	
5.79	227.00	372	

Reviewer: zhaoc, 17-Sep-2019 14:44:54

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

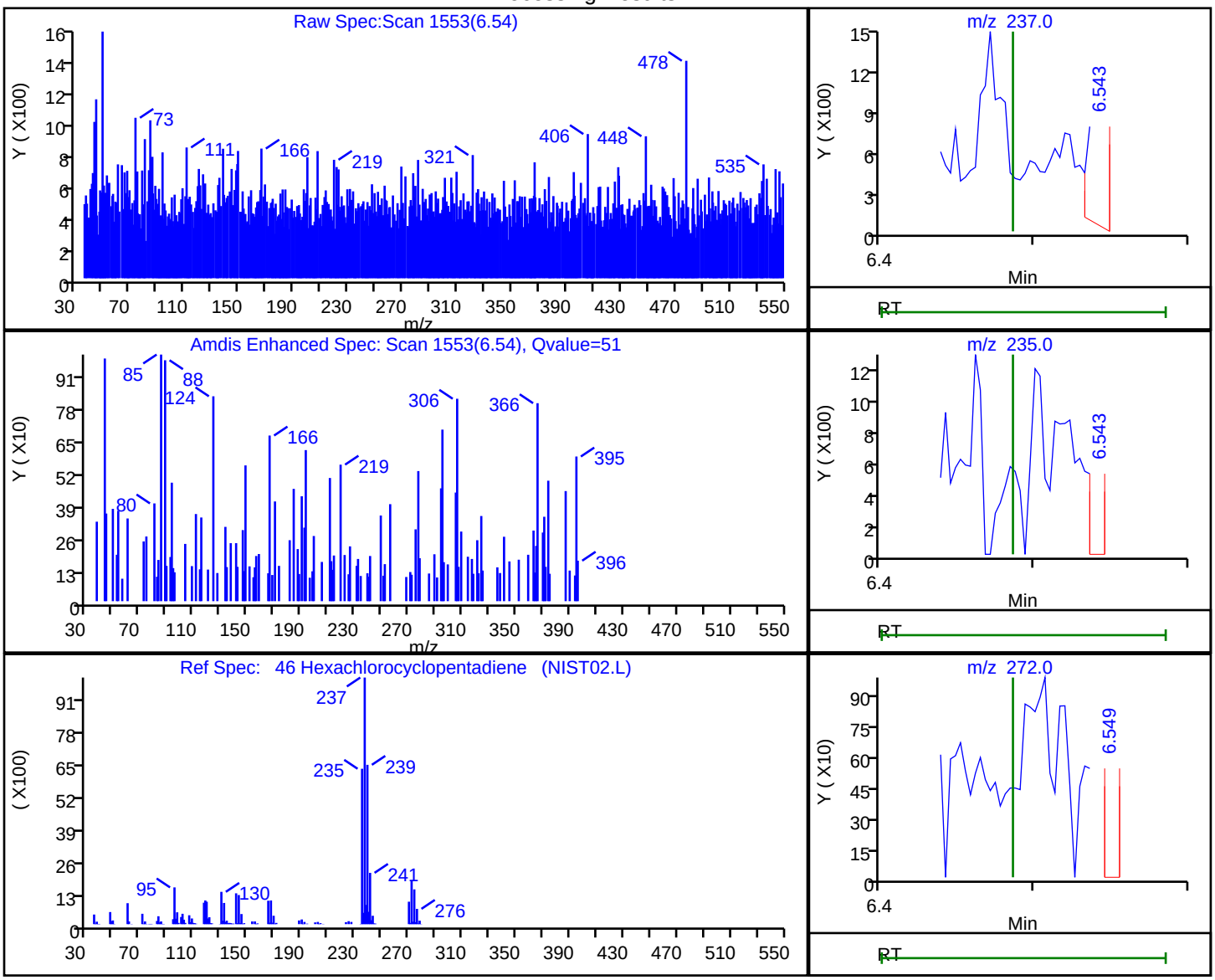
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

46 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.54	237.00	608	0.007939
6.54	235.00	366	
6.55	272.00	299	

Reviewer: zhaoc, 17-Sep-2019 14:45:00

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

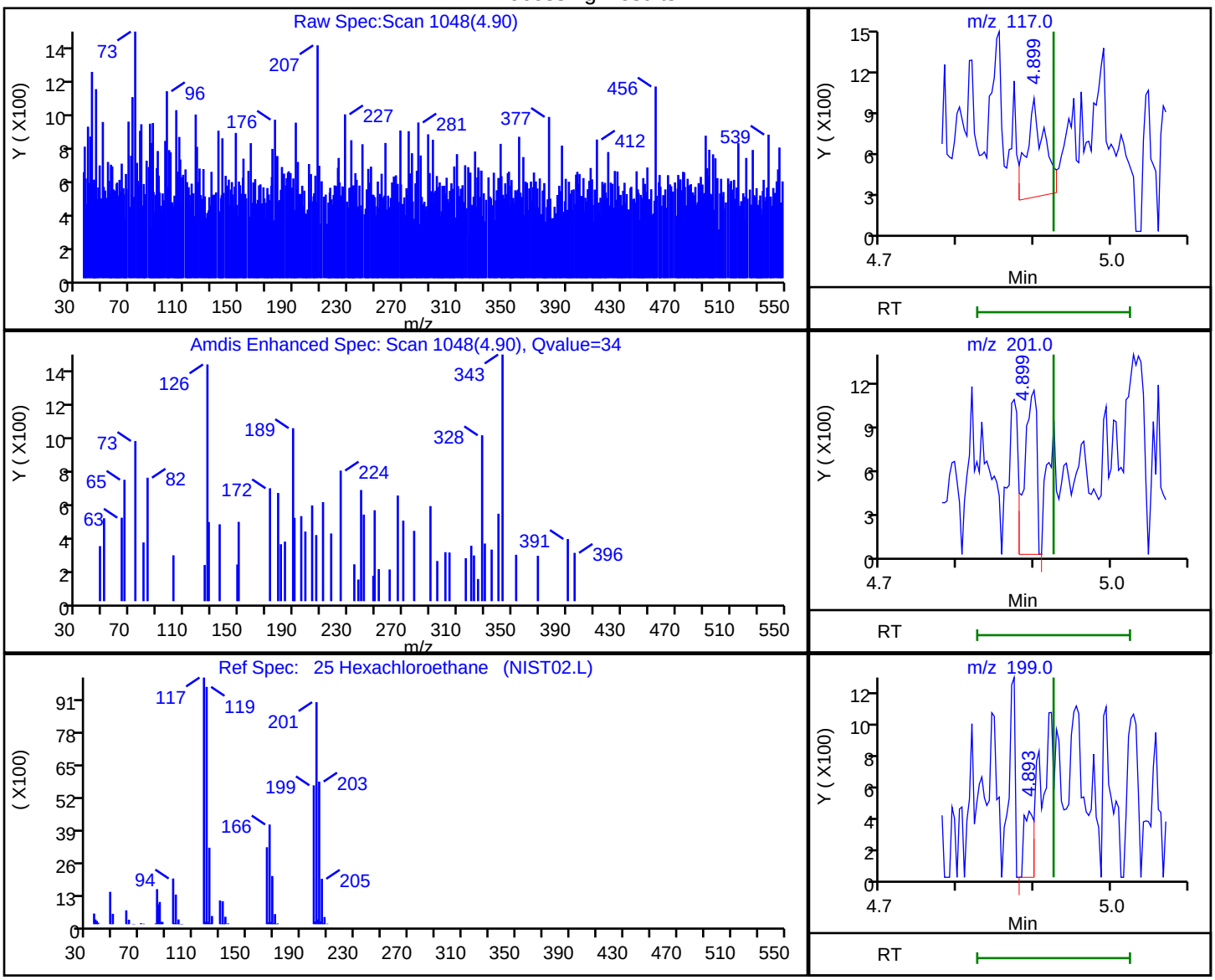
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

25 Hexachloroethane, CAS: 67-72-1

Processing Results



RT	Mass	Response	Amount
4.90	117.00	1129	0.021165
4.90	201.00	1202	
4.89	199.00	383	

Reviewer: zhaoc, 17-Sep-2019 14:44:43

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

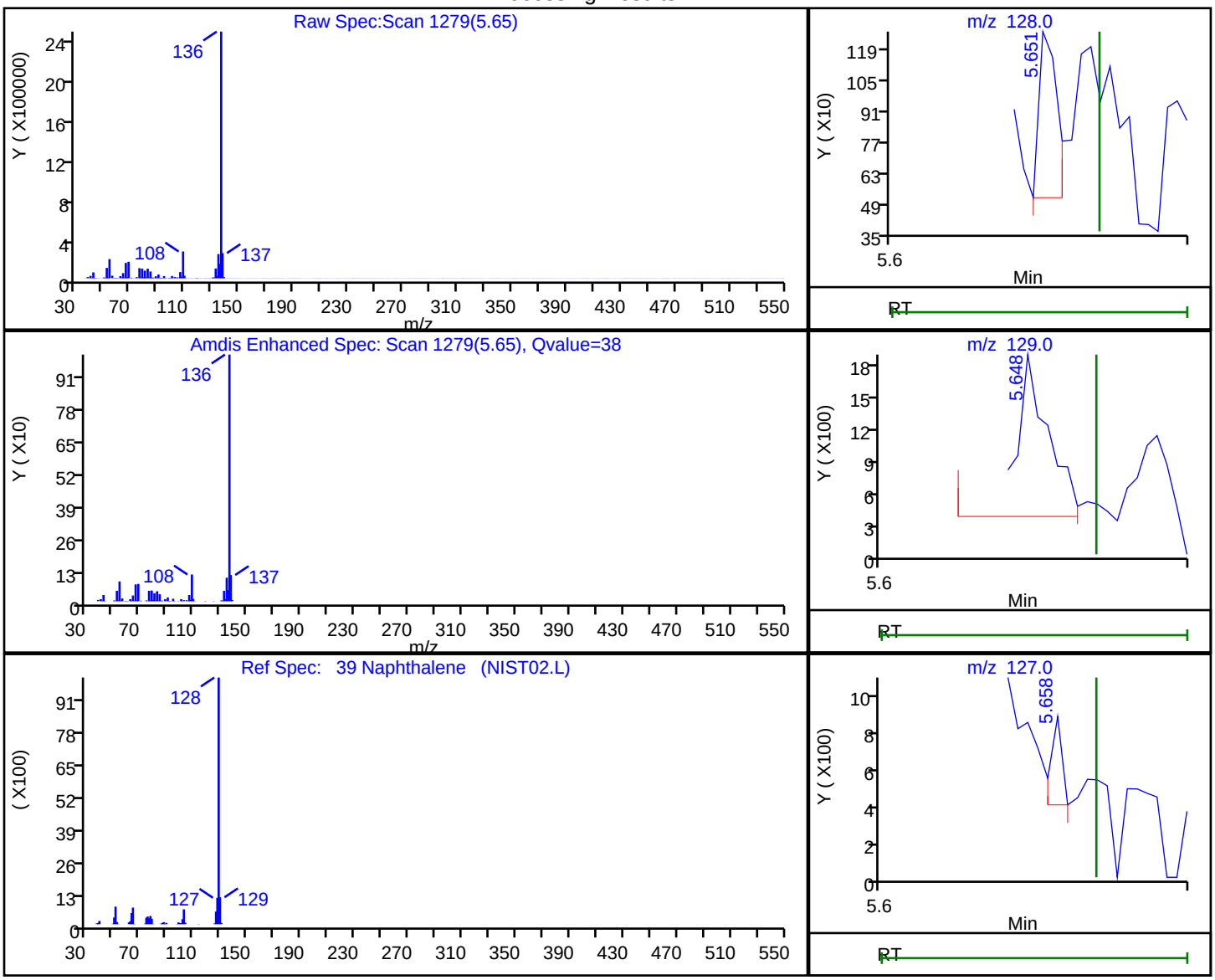
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D
Injection Date: 17-Sep-2019 14:13:30 Instrument ID: CBNAMS18
Lims ID: MB 460-639875/1-A
Client ID:
Operator ID: ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.65	128.00	325	0.000872
5.65	129.00	1154	
5.66	127.00	114	

Reviewer: zhaoc, 17-Sep-2019 14:44:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

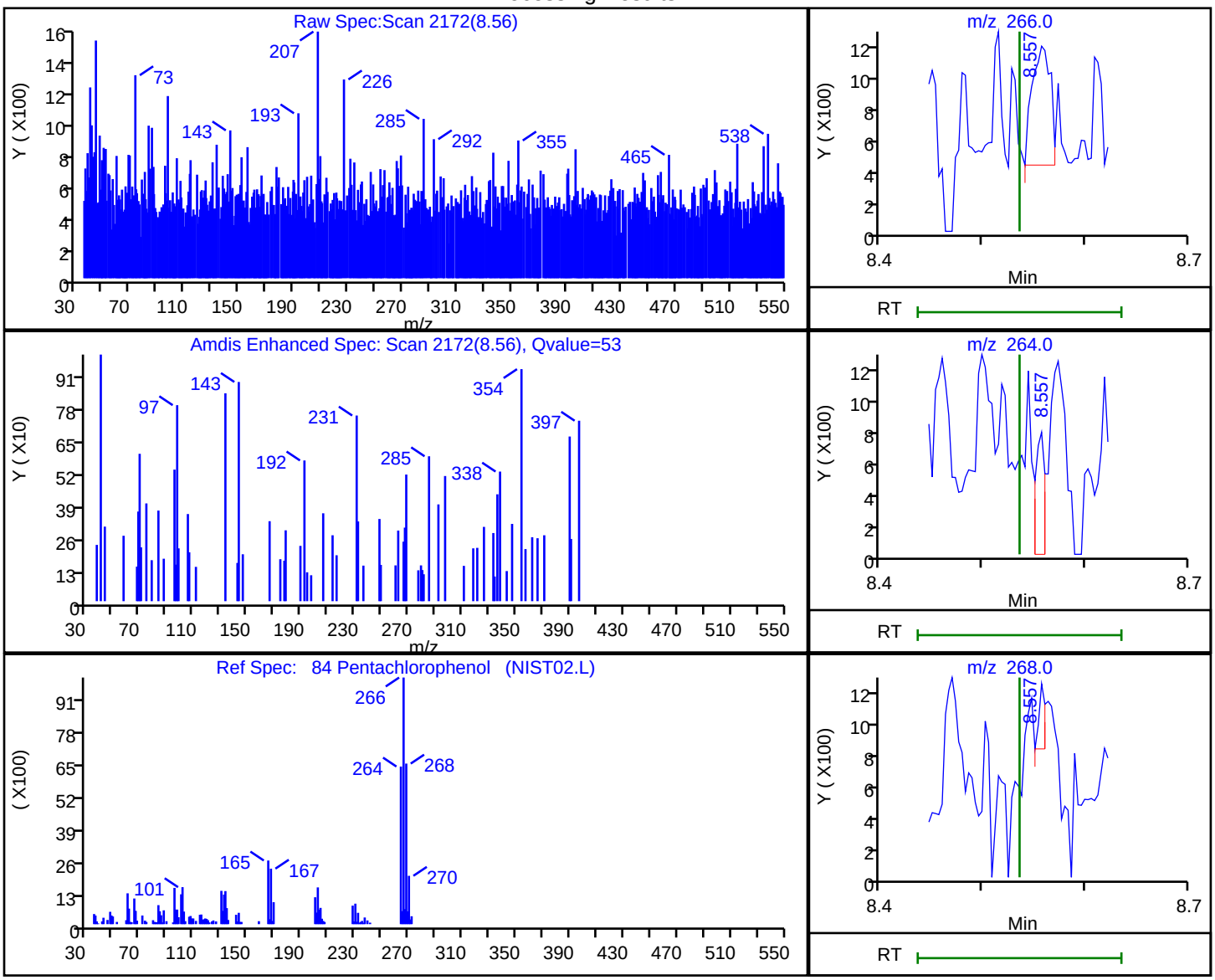
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083361.D				
Injection Date:	17-Sep-2019 14:13:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-639875/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

84 Pentachlorophenol, CAS: 87-86-5

Processing Results



RT	Mass	Response	Amount
8.56	266.00	934	0.018692
8.56	264.00	465	
8.56	268.00	162	

Reviewer: zhaoc, 17-Sep-2019 14:45:33

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.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639610/2-A

Matrix: Water Lab File ID: A163894.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 20:53

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	59.6		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	61.6		10	0.63
95-95-4	2,4,5-Trichlorophenol	61.2		10	0.28
88-06-2	2,4,6-Trichlorophenol	66.3		10	0.30
120-83-2	2,4-Dichlorophenol	66.2		10	0.42
105-67-9	2,4-Dimethylphenol	61.3		10	0.24
51-28-5	2,4-Dinitrophenol	154		20	14
121-14-2	2,4-Dinitrotoluene	71.0		2.0	1.0
606-20-2	2,6-Dinitrotoluene	70.5		2.0	0.39
91-58-7	2-Chloronaphthalene	58.0		10	1.2
95-57-8	2-Chlorophenol	59.2		10	0.38
91-57-6	2-Methylnaphthalene	60.6		10	1.1
95-48-7	2-Methylphenol	52.6		10	0.26
88-74-4	2-Nitroaniline	69.4		10	0.47
88-75-5	2-Nitrophenol	73.3		10	0.75
91-94-1	3,3'-Dichlorobenzidine	74.0		10	1.4
99-09-2	3-Nitroaniline	63.9		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	158		20	13
101-55-3	4-Bromophenyl phenyl ether	68.6		10	0.75
59-50-7	4-Chloro-3-methylphenol	65.8		10	0.58
106-47-8	4-Chloroaniline	64.5		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	68.2		10	1.3
106-44-5	4-Methylphenol	49.8		10	0.24
100-01-6	4-Nitroaniline	68.3		10	0.54
100-02-7	4-Nitrophenol	59.3		20	0.69
83-32-9	Acenaphthene	61.1		10	1.1
208-96-8	Acenaphthylene	63.1		10	0.82
98-86-2	Acetophenone	72.1		10	0.79
120-12-7	Anthracene	67.5		10	0.63
56-55-3	Benzo[a]anthracene	68.5		1.0	0.59
50-32-8	Benzo[a]pyrene	64.3		1.0	0.41
205-99-2	Benzo[b]fluoranthene	60.3		2.0	1.1
191-24-2	Benzo[g,h,i]perylene	52.5		10	1.4
207-08-9	Benzo[k]fluoranthene	66.7		1.0	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639610/2-A

Matrix: Water Lab File ID: A163894.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 20:53

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	67.1		10	0.24
111-44-4	Bis(2-chloroethyl)ether	69.0		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	75.4		2.0	1.7
85-68-7	Butyl benzyl phthalate	71.8		10	0.85
86-74-8	Carbazole	65.7		10	0.68
218-01-9	Chrysene	69.9		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	61.5		1.0	0.72
132-64-9	Dibenzofuran	66.4		10	1.1
84-66-2	Diethyl phthalate	69.6		10	0.98
131-11-3	Dimethyl phthalate	68.8		10	0.77
84-74-2	Di-n-butyl phthalate	71.6		10	0.84
117-84-0	Di-n-octyl phthalate	55.7		10	4.8
206-44-0	Fluoranthene	65.5		10	0.84
86-73-7	Fluorene	67.4		10	0.91
118-74-1	Hexachlorobenzene	71.3		1.0	0.40
87-68-3	Hexachlorobutadiene	47.8		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	35.5		10	1.7
67-72-1	Hexachloroethane	42.8		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	63.1		2.0	1.3
78-59-1	Isophorone	69.5		10	0.80
91-20-3	Naphthalene	53.9		10	1.1
98-95-3	Nitrobenzene	71.8		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	73.0		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	68.1		10	0.89
87-86-5	Pentachlorophenol	132		20	1.4
85-01-8	Phenanthrene	66.9		10	0.58
108-95-2	Phenol	29.5		10	0.29
129-00-0	Pyrene	67.7		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639610/2-A

Matrix: Water Lab File ID: A163894.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 20:53

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102		26-139
321-60-8	2-Fluorobiphenyl	82		45-107
367-12-4	2-Fluorophenol (Surr)	47		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	90		51-108
4165-62-2	Phenol-d5 (Surr)	33		14-39
1718-51-0	Terphenyl-d14 (Surr)	89		40-148

Report Date: 17-Sep-2019 13:52:21 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163894.D
Lims ID: LCS 460-639610/2-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Sep-2019 20:53:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-006
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:50:37 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: eisam Date: 16-Sep-2019 21:25:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.981	1.993	-0.012	94	316009	10.0	4.49	
2 N-Nitrosodimethylamine	74	2.175	2.187	-0.012	91	533242	10.0	5.01	
3 Pyridine	79	2.210	2.222	-0.012	94	1492716	20.0	9.75	
$ 4 2-Fluorophenol	112	3.263	3.269	-0.006	97	845912	10.0	4.68	
$ 6 Phenol-d5	99	4.134	4.140	-0.006	0	686894	10.0	3.27	
8 Aniline	93	4.151	4.152	-0.001	98	1852448	10.0	6.94	
7 Phenol	94	4.146	4.152	-0.006	97	813882	10.0	3.68	
9 Bis(2-chloroethyl)ether	93	4.198	4.204	-0.006	99	1449510	10.0	8.62	
10 Benzonitrile	103	4.222	4.222	0.000	98	2739401	NC	NC	
11 2-Chlorophenol	128	4.275	4.275	0.000	98	1388975	10.0	7.40	
12 n-Decane	43	4.304	4.304	0.000	89	834189	10.0	4.94	
13 1,3-Dichlorobenzene	146	4.410	4.410	0.000	96	1072403	10.0	5.45	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	1012045	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.475	4.475	0.000	95	1116458	10.0	5.62	
16 Benzyl alcohol	108	4.593	4.599	-0.006	94	624825	10.0	5.70	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1080408	10.0	5.73	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.710	0.000	92	1584778	10.0	7.70	
18 2-Methylphenol	108	4.716	4.716	0.000	87	1036849	10.0	6.57	
20 N-Methylaniline	106	4.834	4.834	0.000	97	1954767	10.0	8.04	
22 N-Nitrosodi-n-propylamine	70	4.840	4.840	0.000	78	1008543	10.0	9.13	
21 Acetophenone	105	4.840	4.840	0.000	92	2076301	10.0	9.02	
23 3 & 4 Methylphenol	108	4.863	4.863	0.000	98	1042556	10.0	6.20	
24 4-Methylphenol	108	4.863	4.863	0.000	94	1042556	10.0	6.23	
25 Hexachloroethane	117	4.940	4.946	-0.006	96	362632	10.0	5.34	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	86	1627608	10.0	9.00	
28 Nitrobenzene	123	5.004	5.004	0.000	94	745870	10.0	8.98	
29 n,n'-Dimethylaniline	120	5.004	5.004	0.000	93	2001100	10.0	7.52	
30 Isophorone	82	5.228	5.228	0.000	99	2770366	10.0	8.68	
32 2-Nitrophenol	139	5.304	5.304	0.000	95	805504	10.0	9.16	
33 2,4-Dimethylphenol	122	5.357	5.363	-0.006	92	1202447	10.0	7.66	
34 Bis(2-chloroethoxy)methane	93	5.434	5.434	0.000	98	1684848	10.0	8.39	
35 Benzoic acid	122	5.451	5.475	-0.024	87	331482	10.0	5.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.545	5.551	-0.006	96	1152747	10.0	8.28	
37 1,2,4-Trichlorobenzene	180	5.610	5.616	-0.006	95	945041	10.0	6.19	
* 38 Naphthalene-d8	136	5.669	5.669	0.000	98	4189268	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.000	99	3641035	10.0	6.74	
40 4-Chloroaniline	127	5.740	5.746	-0.006	98	1768556	10.0	8.06	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	95	444586	10.0	5.97	
43 4-Chloro-3-methylphenol	107	6.216	6.222	-0.006	96	1114923	10.0	8.22	
44 2-Methylnaphthalene	142	6.340	6.340	0.000	88	2610150	10.0	7.58	
45 1-Methylnaphthalene	142	6.434	6.434	0.000	93	2450373	10.0	7.74	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	97	375032	10.0	4.44	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1066900	10.0	7.18	
48 2-tertbutyl-4-methylphenol	149	6.540	6.545	-0.005	91	1859523	10.0	8.78	
49 2,4,6-Trichlorophenol	196	6.616	6.616	0.000	91	837585	10.0	8.29	
50 2,4,5-Trichlorophenol	196	6.657	6.657	0.000	98	847682	10.0	7.65	
$ 51 2-Fluorobiphenyl	172	6.692	6.693	-0.001	98	3285683	10.0	8.19	
52 1,1'-Biphenyl	154	6.787	6.787	0.000	96	3324962	10.0	7.45	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	98	2478012	10.0	7.25	
54 Phenyl ether	170	6.881	6.881	0.000	85	1658417	10.0	7.48	
55 2-Nitroaniline	65	6.904	6.904	0.000	95	885563	10.0	8.68	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	2001876	10.0	7.40	
59 Dimethyl phthalate	163	7.075	7.075	0.000	99	3053781	10.0	8.60	
60 Coumarin	146	7.092	7.092	0.000	81	979934	10.0	9.18	
61 2,6-Dinitrotoluene	165	7.128	7.128	0.000	96	708246	10.0	8.81	
62 Acenaphthylene	152	7.192	7.192	0.000	98	4055450	10.0	7.88	
63 3-Nitroaniline	138	7.292	7.292	0.000	98	724613	10.0	7.99	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	94	2094358	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	2010531	10.0	8.14	
66 Acenaphthene	154	7.357	7.357	0.000	94	2526810	10.0	7.63	
67 2,4-Dinitrophenol	184	7.387	7.387	-0.001	96	721009	20.0	19.2	
68 4-Nitrophenol	65	7.481	7.487	-0.006	90	410010	20.0	7.42	
69 2,4-Dinitrotoluene	165	7.504	7.504	0.000	96	905075	10.0	8.87	
70 Dibenzofuran	168	7.522	7.522	0.000	97	3647845	10.0	8.29	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	93	628136	10.0	8.68	
73 Diethyl phthalate	149	7.739	7.740	-0.001	98	3072872	10.0	8.71	
74 4-Chlorophenyl phenyl ethe	204	7.839	7.840	-0.001	92	1237313	10.0	8.52	
75 Fluorene	166	7.839	7.845	-0.006	95	2819471	10.0	8.42	
76 4-Nitroaniline	138	7.875	7.875	0.000	88	737961	10.0	8.54	
77 4,6-Dinitro-2-methylphenol	198	7.898	7.892	0.006	88	969865	20.0	19.7	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	72	2152046	10.0	8.52	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	2835937	10.0	8.24	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	384051	10.0	10.2	
81 4-Bromophenyl phenyl ether	248	8.298	8.304	-0.006	88	728909	10.0	8.58	
82 Hexachlorobenzene	284	8.369	8.369	0.000	98	788326	10.0	8.91	
84 Pentachlorophenol	266	8.557	8.557	0.000	93	805164	20.0	16.5	
85 Pentachloronitrobenzene	237	8.563	8.563	0.000	87	300049	10.0	8.98	
86 n-Octadecane	57	8.628	8.628	0.000	90	1667971	10.0	8.50	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	3252689	8.00	8.00	
88 Phenanthrene	178	8.745	8.745	0.000	97	3989467	10.0	8.36	
89 Anthracene	178	8.792	8.792	0.000	99	4064998	10.0	8.43	
90 Carbazole	167	8.951	8.951	0.000	96	3520316	10.0	8.21	
91 Di-n-butyl phthalate	149	9.275	9.275	0.000	99	4553968	10.0	8.94	
92 Fluoranthene	202	9.863	9.863	0.000	98	3591461	10.0	8.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.992	9.992	0.000	99	1468569	10.0	5.70	
94 Pyrene	202	10.075	10.075	0.000	98	3559836	10.0	8.47	
95 Bisphenol-A	213	10.228	10.198	0.030	89	450797	5.00	3.46	
$ 96 Terphenyl-d14	244	10.228	10.228	0.000	100	2463620	10.0	8.91	
97 Butyl benzyl phthalate	149	10.727	10.728	-0.001	95	1555476	10.0	8.98	
99 Carbamazepine	193	10.839	10.839	0.000	93	1271978	10.0	9.42	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	99	1040064	10.0	9.25	
101 Benzo[a]anthracene	228	11.327	11.328	-0.001	99	2776522	10.0	8.57	
* 102 Chrysene-d12	240	11.339	11.339	0.000	99	1918310	8.00	8.00	
104 Chrysene	228	11.369	11.369	0.000	99	2646969	10.0	8.74	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.380	0.000	87	2029429	10.0	9.43	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3444165	10.0	6.97	
106 Benzo[b]fluoranthene	252	12.692	12.698	-0.006	99	2908516	10.0	7.54	
107 Benzo[k]fluoranthene	252	12.733	12.733	0.000	99	3368247	10.0	8.34	
108 Benzo[a]pyrene	252	13.145	13.145	0.000	97	2879622	10.0	8.03	
* 109 Perylene-d12	264	13.227	13.222	0.005	98	2528849	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.774	14.780	-0.006	99	2999114	10.0	7.89	
111 Dibenz(a,h)anthracene	278	14.815	14.816	-0.001	95	2912475	10.0	7.69	
112 Benzo[g,h,i]perylene	276	15.210	15.210	0.000	98	2815888	10.0	6.57	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 17-Sep-2019 13:52:22 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163894.D

Injection Date: 16-Sep-2019 20:53:30 Instrument ID: CBNAMS16 Operator ID:

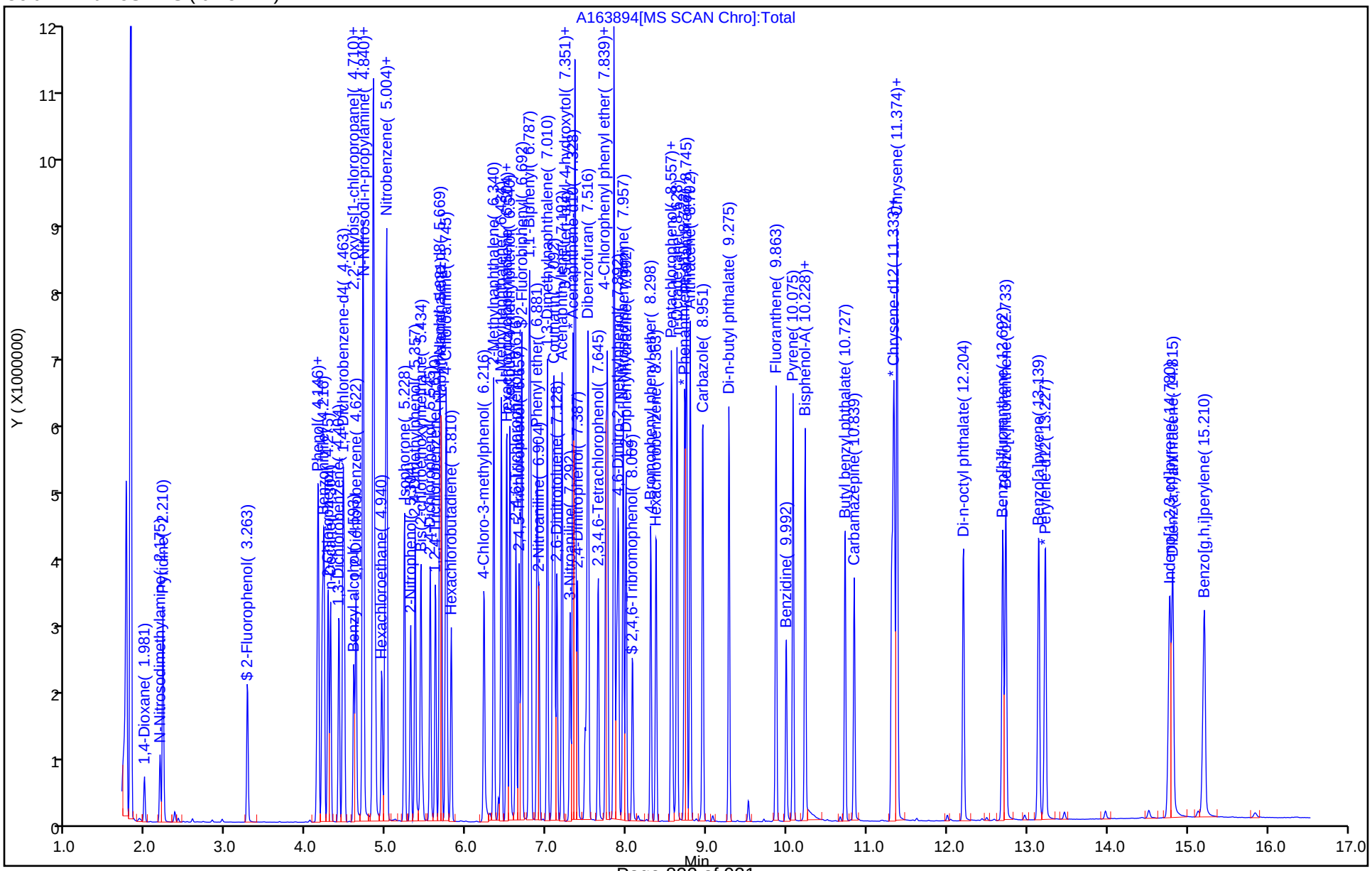
Lims ID: LCS 460-639610/2-A Worklist Smp#: 6

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639610/4-A

Matrix: Water Lab File ID: A163896.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 21:43

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	175		2.0	1.3
100-52-7	Benzaldehyde	147		10	0.59
105-60-2	Caprolactam	43.6		10	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	107		26-139
321-60-8	2-Fluorobiphenyl	91		45-107
367-12-4	2-Fluorophenol (Surr)	46		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	98		51-108
4165-62-2	Phenol-d5 (Surr)	31		14-39
1718-51-0	Terphenyl-d14 (Surr)	99		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163896.D
Lims ID: LCS 460-639610/4-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Sep-2019 21:43:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-008
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:35:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: zhaoc Date: 17-Sep-2019 08:38:23

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	3.269	3.269	0.000	97	849131	10.0	4.56	
5 Benzaldehyde	77	4.046	4.046	0.000	95	2743813	20.0	18.4	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	663707	10.0	3.07	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	1043105	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	86	1759808	10.0	9.79	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	99	4167175	8.00	8.00	
42 Caprolactam	113	6.034	6.039	-0.012	94	207006	20.0	5.45	
$ 51 2-Fluorobiphenyl	172	6.687	6.693	-0.006	98	3540549	10.0	9.12	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	2025740	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	387208	10.0	10.7	
83 Atrazine	200	8.463	8.457	0.000	91	1499854	20.0	21.9	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	3059668	8.00	8.00	
$ 96 Terphenyl-d14	244	10.228	10.228	0.000	99	2374658	10.0	9.90	
* 102 Chrysene-d12	240	11.333	11.333	0.000	99	1664083	8.00	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	98	1969104	8.00	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 17-Sep-2019 08:38:24 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163896.D

Injection Date: 16-Sep-2019 21:43:30 Instrument ID: CBNAMS16 Operator ID:

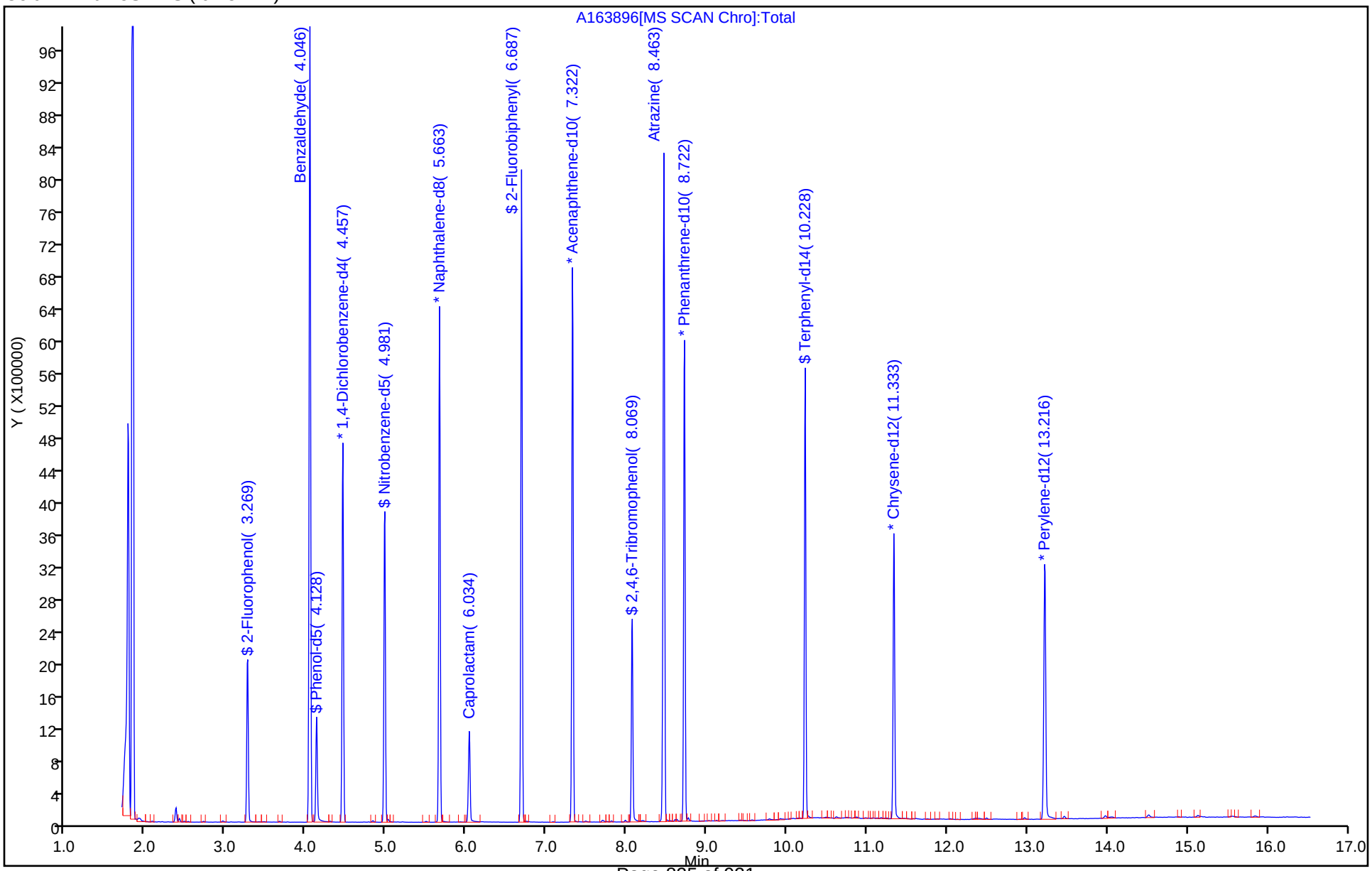
Lims ID: LCS 460-639610/4-A Worklist Smp#: 8

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639875/2-A

Matrix: Water Lab File ID: P083362.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 14:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	75.8		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	75.9		10	0.63
95-95-4	2,4,5-Trichlorophenol	77.9		10	0.28
88-06-2	2,4,6-Trichlorophenol	82.8		10	0.30
120-83-2	2,4-Dichlorophenol	74.0		10	0.42
105-67-9	2,4-Dimethylphenol	70.4		10	0.24
51-28-5	2,4-Dinitrophenol	155		20	14
121-14-2	2,4-Dinitrotoluene	88.0		2.0	1.0
606-20-2	2,6-Dinitrotoluene	82.6		2.0	0.39
91-58-7	2-Chloronaphthalene	76.2		10	1.2
95-57-8	2-Chlorophenol	70.5		10	0.38
91-57-6	2-Methylnaphthalene	71.6		10	1.1
95-48-7	2-Methylphenol	61.5		10	0.26
88-74-4	2-Nitroaniline	84.5		10	0.47
88-75-5	2-Nitrophenol	80.0		10	0.75
91-94-1	3,3'-Dichlorobenzidine	77.8		10	1.4
99-09-2	3-Nitroaniline	77.6		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	194		20	13
101-55-3	4-Bromophenyl phenyl ether	78.2		10	0.75
59-50-7	4-Chloro-3-methylphenol	72.7		10	0.58
106-47-8	4-Chloroaniline	61.0		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	77.2		10	1.3
106-44-5	4-Methylphenol	55.9		10	0.24
100-01-6	4-Nitroaniline	80.4		10	0.54
100-02-7	4-Nitrophenol	69.0		20	0.69
83-32-9	Acenaphthene	72.1		10	1.1
208-96-8	Acenaphthylene	78.4		10	0.82
98-86-2	Acetophenone	78.6		10	0.79
120-12-7	Anthracene	82.0		10	0.63
56-55-3	Benzo[a]anthracene	83.6		1.0	0.59
50-32-8	Benzo[a]pyrene	80.4		1.0	0.41
205-99-2	Benzo[b]fluoranthene	86.4		2.0	1.1
191-24-2	Benzo[g,h,i]perylene	86.3		10	1.4
207-08-9	Benzo[k]fluoranthene	84.2		1.0	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639875/2-A

Matrix: Water Lab File ID: P083362.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 14:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	78.1		10	0.24
111-44-4	Bis(2-chloroethyl)ether	80.1		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	90.2		2.0	1.7
85-68-7	Butyl benzyl phthalate	92.0		10	0.85
86-74-8	Carbazole	84.4		10	0.68
218-01-9	Chrysene	86.8		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	88.5		1.0	0.72
132-64-9	Dibenzofuran	81.4		10	1.1
84-66-2	Diethyl phthalate	77.6		10	0.98
131-11-3	Dimethyl phthalate	77.7		10	0.77
84-74-2	Di-n-butyl phthalate	84.6		10	0.84
117-84-0	Di-n-octyl phthalate	97.4		10	4.8
206-44-0	Fluoranthene	84.6		10	0.84
86-73-7	Fluorene	77.0		10	0.91
118-74-1	Hexachlorobenzene	80.3		1.0	0.40
87-68-3	Hexachlorobutadiene	61.4		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	51.9		10	1.7
67-72-1	Hexachloroethane	61.2		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	86.5		2.0	1.3
78-59-1	Isophorone	78.4		10	0.80
91-20-3	Naphthalene	70.2		10	1.1
98-95-3	Nitrobenzene	81.1		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	78.6		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	81.3		10	0.89
87-86-5	Pentachlorophenol	168		20	1.4
85-01-8	Phenanthrene	82.5		10	0.58
108-95-2	Phenol	32.7		10	0.29
129-00-0	Pyrene	86.3		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639875/2-A

Matrix: Water Lab File ID: P083362.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 14:34

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	98		26-139
321-60-8	2-Fluorobiphenyl	89		45-107
367-12-4	2-Fluorophenol (Surr)	55		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	91		51-108
4165-62-2	Phenol-d5 (Surr)	38		14-39
1718-51-0	Terphenyl-d14 (Surr)	99		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083362.D
Lims ID: LCS 460-639875/2-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Sep-2019 14:34:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-018
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 18-Sep-2019 09:35:31 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: nimerd Date: 17-Sep-2019 15:02:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.844	1.849	-0.007	92	270494	10.0	6.36	
2 N-Nitrosodimethylamine	74	2.059	2.063	-0.006	96	453969	10.0	6.49	
3 Pyridine	79	2.098	2.098	-0.002	97	852140	20.0	8.85	
$ 4 2-Fluorophenol	112	3.194	3.196	-0.005	93	573345	10.0	5.50	
$ 6 Phenol-d5	99	4.076	4.077	-0.005	98	498407	10.0	3.82	
7 Phenol	94	4.089	4.086	-0.001	98	564830	10.0	4.09	
8 Aniline	93	4.118	4.118	-0.004	99	1029606	10.0	5.96	
9 Bis(2-chloroethyl)ether	93	4.177	4.173	0.000	96	1118103	10.0	10.0	
10 Benzonitrile	103	4.193	4.192	-0.003	99	1969271	NC	NC	
11 2-Chlorophenol	128	4.239	4.236	-0.002	94	900013	10.0	8.81	
12 n-Decane	43	4.287	4.284	-0.002	88	723787	10.0	6.80	
13 1,3-Dichlorobenzene	146	4.385	4.383	-0.003	95	836148	10.0	7.60	
* 14 1,4-Dichlorobenzene-d4	152	4.437	4.439	-0.002	97	547898	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.453	4.450	-0.002	93	856159	10.0	7.78	
16 Benzyl alcohol	108	4.561	4.559	-0.003	93	555544	10.0	7.81	
17 1,2-Dichlorobenzene	146	4.600	4.597	-0.002	93	812154	10.0	7.85	
18 2-Methylphenol	108	4.668	4.668	-0.004	90	739191	10.0	7.68	
19 2,2'-oxybis[1-chloropropan	45	4.694	4.690	-0.001	96	1321836	10.0	9.49	
20 N-Methylaniline	106	4.808	4.808	-0.002	96	1248288	10.0	8.41	
24 4-Methylphenol	108	4.814	4.812	-0.002	72	716159	10.0	6.99	
23 3 & 4 Methylphenol	108	4.814	4.816	-0.002	87	715252	10.0	6.97	
21 Acetophenone	105	4.814	4.815	-0.005	88	1409998	10.0	9.83	
22 N-Nitrosodi-n-propylamine	70	4.818	4.815	-0.001	84	775517	10.0	9.82	
25 Hexachloroethane	117	4.925	4.920	0.000	95	317193	10.0	7.65	
$ 27 Nitrobenzene-d5	82	4.961	4.961	-0.002	86	1075374	10.0	9.12	
28 Nitrobenzene	123	4.980	4.977	0.001	94	484104	10.0	10.1	
29 n,n'-Dimethylaniline	120	4.984	4.981	-0.002	92	1242842	10.0	8.46	
30 Isophorone	82	5.205	5.204	-0.001	99	2102268	10.0	9.80	
32 2-Nitrophenol	139	5.283	5.281	0.000	88	466390	10.0	10.0	
33 2,4-Dimethylphenol	122	5.325	5.323	0.000	89	780885	10.0	8.80	
35 Benzoic acid	122	5.387	5.409	-0.024	90	159793	10.0	3.44	
34 Bis(2-chloroethoxy)methane	93	5.413	5.409	0.002	98	1297586	10.0	9.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.511	5.511	-0.002	93	712965	10.0	9.25	
37 1,2,4-Trichlorobenzene	180	5.595	5.594	-0.002	95	719566	10.0	8.23	
* 38 Naphthalene-d8	136	5.647	5.648	-0.001	100	2168397	8.00	8.00	
39 Naphthalene	128	5.667	5.668	-0.003	99	2487894	10.0	8.77	
40 4-Chloroaniline	127	5.715	5.716	-0.003	95	923454	10.0	7.62	
41 Hexachlorobutadiene	225	5.797	5.796	-0.001	96	377998	10.0	7.67	
43 4-Chloro-3-methylphenol	107	6.177	6.179	-0.005	94	801265	10.0	9.08	
44 2-Methylnaphthalene	142	6.324	6.323	-0.002	85	1607557	10.0	8.95	
45 1-Methylnaphthalene	142	6.418	6.416	-0.001	93	1524521	10.0	9.13	
46 Hexachlorocyclopentadiene	237	6.483	6.483	-0.003	97	353469	10.0	6.49	
47 1,2,4,5-Tetrachlorobenzene	216	6.486	6.486	-0.003	96	762797	10.0	8.93	
48 2-tertbutyl-4-methylphenol	149	6.516	6.515	-0.002	89	1101315	10.0	9.32	
49 2,4,6-Trichlorophenol	196	6.594	6.592	-0.001	88	546797	10.0	10.3	
50 2,4,5-Trichlorophenol	196	6.626	6.624	-0.001	97	575536	10.0	9.74	
$ 51 2-Fluorobiphenyl	172	6.675	6.672	0.000	97	1833870	10.0	8.92	
52 1,1'-Biphenyl	154	6.766	6.765	-0.002	96	2033407	10.0	9.48	
53 2-Chloronaphthalene	162	6.786	6.784	-0.001	97	1619531	10.0	9.52	
54 Phenyl ether	170	6.867	6.867	-0.003	90	1012458	10.0	9.11	
55 2-Nitroaniline	65	6.880	6.877	0.000	94	703542	10.0	10.6	
57 1,3-Dimethylnaphthalene	156	6.994	6.992	-0.001	98	1246462	10.0	9.44	
59 Dimethyl phthalate	163	7.056	7.056	-0.003	97	1913202	10.0	9.71	
60 Coumarin	146	7.072	7.072	-0.003	77	649439	10.0	9.95	
61 2,6-Dinitrotoluene	165	7.108	7.107	-0.002	93	433271	10.0	10.3	
62 Acenaphthylene	152	7.176	7.174	-0.002	97	2447062	10.0	9.80	
63 3-Nitroaniline	138	7.267	7.264	0.000	94	444401	10.0	9.71	
* 64 Acenaphthene-d10	164	7.309	7.312	-0.003	96	1099673	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.335	7.334	-0.003	98	1242510	10.0	8.37	
66 Acenaphthene	154	7.342	7.340	-0.002	96	1450438	10.0	9.02	
67 2,4-Dinitrophenol	184	7.361	7.434	-0.002	94	468971	20.0	19.4	a
68 4-Nitrophenol	65	7.426	7.427	-0.004	95	346900	20.0	8.62	
69 2,4-Dinitrotoluene	165	7.485	7.485	-0.003	93	582997	10.0	11.0	
70 Dibenzofuran	168	7.504	7.504	-0.003	96	2277704	10.0	10.2	
72 2,3,4,6-Tetrachlorophenol	232	7.622	7.619	-0.001	93	463432	10.0	9.80	
73 Diethyl phthalate	149	7.726	7.725	-0.002	98	1942862	10.0	9.70	
75 Fluorene	166	7.826	7.824	-0.002	95	1723950	10.0	9.63	
74 4-Chlorophenyl phenyl ethe	204	7.826	7.824	-0.002	78	877640	10.0	9.65	
76 4-Nitroaniline	138	7.843	7.843	-0.004	93	486922	10.0	10.0	
77 4,6-Dinitro-2-methylphenol	198	7.872	7.874	-0.004	85	646066	20.0	24.2	
78 N-Nitrosodiphenylamine	169	7.937	7.938	-0.003	99	1346146	10.0	10.2	
79 1,2-Diphenylhydrazine	77	7.976	7.976	-0.002	98	2275990	10.0	10.3	
$ 80 2,4,6-Tribromophenol	330	8.054	8.051	-0.001	95	304505	10.0	9.77	
81 4-Bromophenyl phenyl ether	248	8.285	8.287	-0.004	87	541830	10.0	9.77	
82 Hexachlorobenzene	284	8.353	8.351	0.000	97	622006	10.0	10.0	
84 Pentachlorophenol	266	8.536	8.533	0.001	93	760394	20.0	21.0	
85 Pentachloronitrobenzene	237	8.549	8.549	-0.002	89	261773	10.0	11.0	
86 n-Octadecane	57	8.620	8.620	-0.002	90	1378756	10.0	10.4	
* 87 Phenanthrene-d10	188	8.708	8.709	-0.001	99	1816627	8.00	8.00	
88 Phenanthrene	178	8.731	8.729	0.000	98	2733135	10.0	10.3	
89 Anthracene	178	8.776	8.777	-0.003	98	2783698	10.0	10.2	
90 Carbazole	167	8.929	8.928	-0.001	96	2520360	10.0	10.6	
91 Di-n-butyl phthalate	149	9.264	9.267	-0.005	99	3195451	10.0	10.6	
92 Fluoranthene	202	9.853	9.852	-0.002	98	2887809	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.973	9.973	-0.006	99	312530	10.0	2.01	
94 Pyrene	202	10.064	10.060	-0.002	97	2936337	10.0	10.8	
95 Bisphenol-A	213	10.123	10.111	0.006	98	409592	5.00	3.70	
$ 96 Terphenyl-d14	244	10.217	10.214	-0.003	100	2008419	10.0	9.88	
97 Butyl benzyl phthalate	149	10.718	10.713	-0.002	98	1303100	10.0	11.5	
99 Carbamazepine	193	10.825	10.819	0.000	92	1045616	10.0	11.7	
100 3,3'-Dichlorobenzidine	252	11.293	11.289	-0.004	100	818988	10.0	9.72	
101 Benzo[a]anthracene	228	11.316	11.312	-0.003	99	2513174	10.0	10.4	
* 102 Chrysene-d12	240	11.329	11.332	-0.003	99	1478029	8.00	8.00	
104 Chrysene	228	11.362	11.354	0.001	99	2473806	10.0	10.9	
103 Bis(2-ethylhexyl) phthalat	149	11.375	11.370	-0.002	88	1825729	10.0	11.3	
105 Di-n-octyl phthalate	149	12.200	12.200	-0.004	97	3006762	10.0	12.2	
106 Benzo[b]fluoranthene	252	12.685	12.680	0.000	99	2240379	10.0	10.8	
107 Benzo[k]fluoranthene	252	12.721	12.719	-0.002	99	2273157	10.0	10.5	
108 Benzo[a]pyrene	252	13.130	13.129	-0.004	98	1983482	10.0	10.1	
* 109 Perylene-d12	264	13.211	13.214	-0.003	99	1446135	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.762	14.762	-0.005	99	1938959	10.0	10.8	
111 Dibenz(a,h)anthracene	278	14.801	14.800	-0.004	99	2016329	10.0	11.1	
112 Benzo[g,h,i]perylene	276	15.195	15.192	-0.002	98	2012608	10.0	10.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00187 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 18-Sep-2019 09:38:06 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083362.D

Injection Date: 17-Sep-2019 14:34:30 Instrument ID: CBNAMS18 Operator ID:

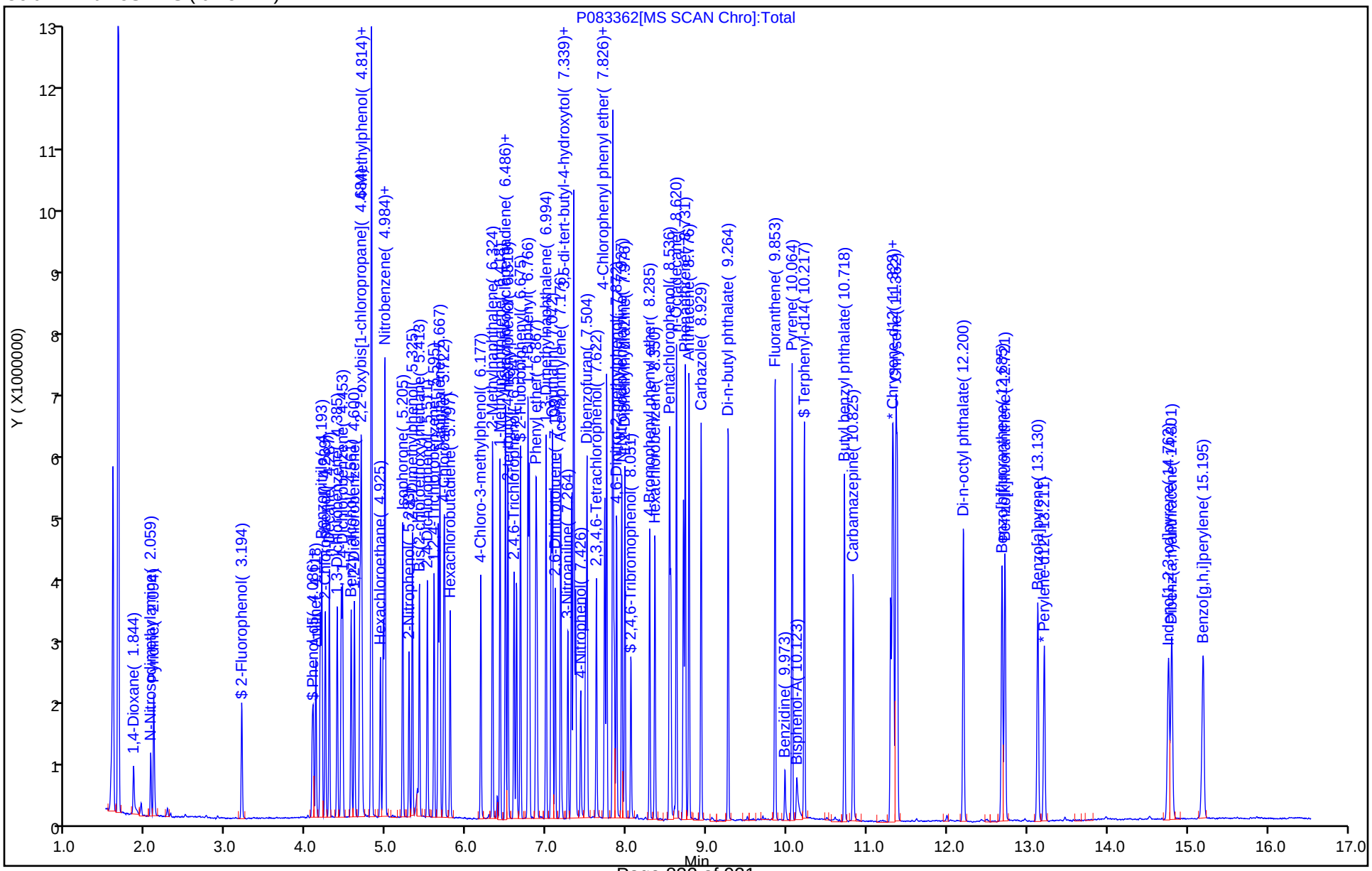
Lims ID: LCS 460-639875/2-A Worklist Smp#: 18

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 18

Method: 8270LVI_18 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

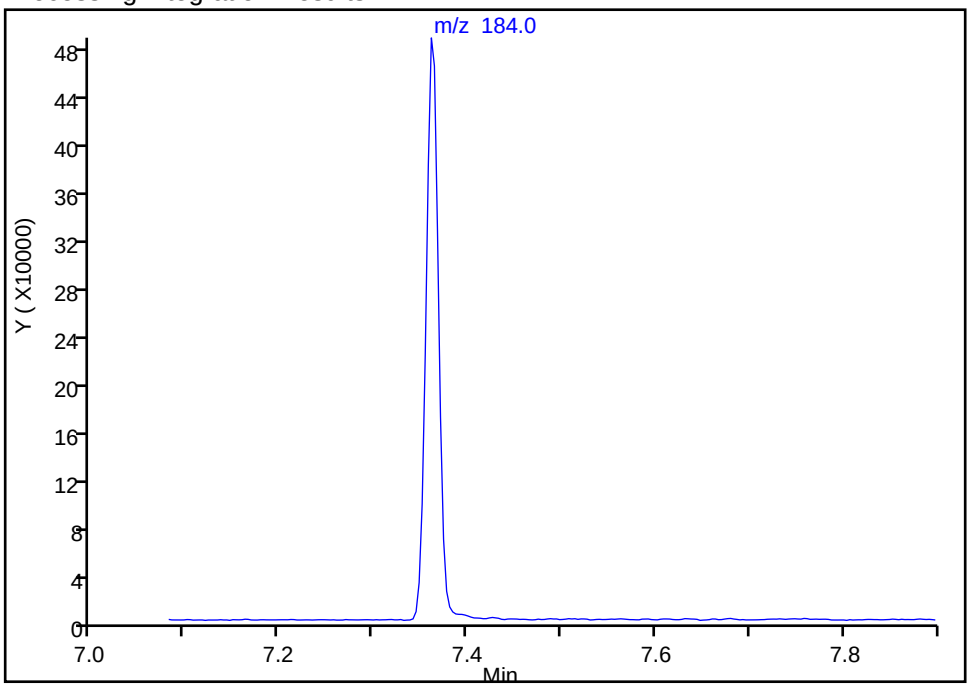
Data File:	\\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083362.D				
Injection Date:	17-Sep-2019 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	LCS 460-639875/2-A				
Client ID:					
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

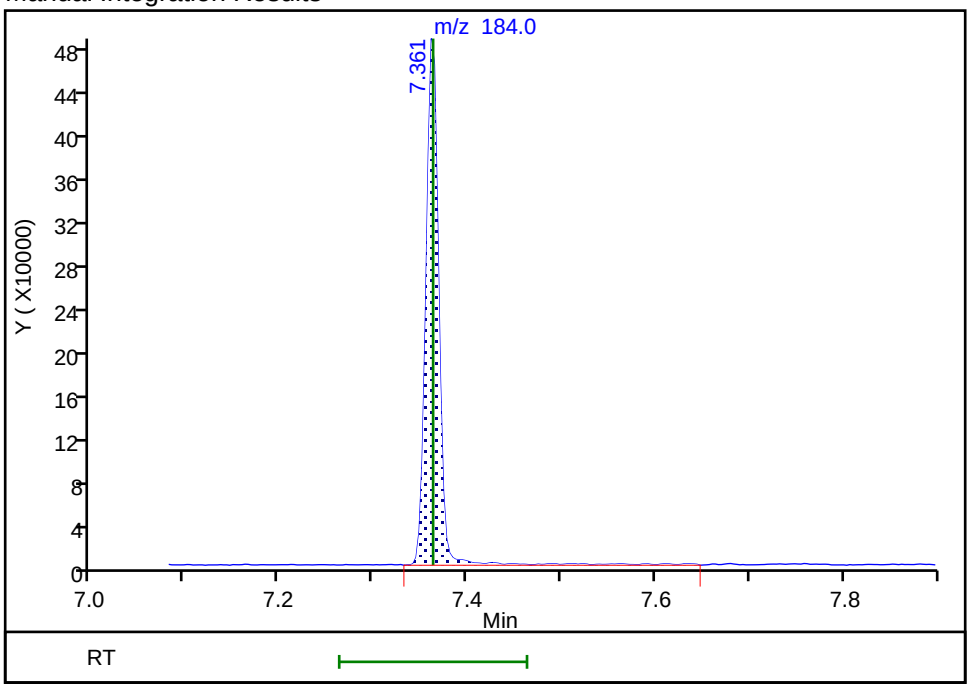
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Area: 468971
Amount: 19.429489
Amount Units: ug/ml



Reviewer: nimerd, 17-Sep-2019 15:17:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-639875/4-A

Matrix: Water Lab File ID: P083364.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 15:24

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	171		2.0	1.3
100-52-7	Benzaldehyde	142		10	0.59
105-60-2	Caprolactam	44.8		10	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		26-139
321-60-8	2-Fluorobiphenyl	88		45-107
367-12-4	2-Fluorophenol (Surr)	52		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	94		51-108
4165-62-2	Phenol-d5 (Surr)	36		14-39
1718-51-0	Terphenyl-d14 (Surr)	101		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083364.D
Lims ID: LCS 460-639875/4-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Sep-2019 15:24:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-020
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 18-Sep-2019 09:35:31 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: eisam Date: 17-Sep-2019 19:42:37

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	3.193	3.196	-0.006	95	538388	10.0	5.18	
5 Benzaldehyde	77	4.019	4.017	-0.002	98	1761517	20.0	17.8	
$ 6 Phenol-d5	99	4.071	4.077	-0.010	98	468592	10.0	3.60	
* 14 1,4-Dichlorobenzene-d4	152	4.435	4.439	-0.004	98	546089	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.959	4.961	-0.004	87	1123012	10.0	9.38	
* 38 Naphthalene-d8	136	5.645	5.648	-0.003	99	2203735	8.00	8.00	
42 Caprolactam	113	6.009	6.012	-0.006	93	148691	20.0	5.60	
$ 51 2-Fluorobiphenyl	172	6.672	6.672	-0.003	98	1910043	10.0	8.84	
* 64 Acenaphthene-d10	164	7.310	7.312	-0.002	97	1155596	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.051	8.051	-0.004	95	293302	10.0	8.95	
83 Atrazine	200	8.445	8.442	0.001	91	1004807	20.0	21.4	
* 87 Phenanthrene-d10	188	8.705	8.709	-0.004	99	1910213	8.00	8.00	
$ 96 Terphenyl-d14	244	10.217	10.214	-0.003	100	1999417	10.0	10.1	
* 102 Chrysene-d12	240	11.325	11.332	-0.007	99	1444270	8.00	8.00	
* 109 Perylene-d12	264	13.212	13.214	-0.002	99	1429554	8.00	8.00	

Reagents:

SM_ISTD_LVI_00187 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 18-Sep-2019 09:40:10 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083364.D

Injection Date: 17-Sep-2019 15:24:30 Instrument ID: CBNAMS18 Operator ID:

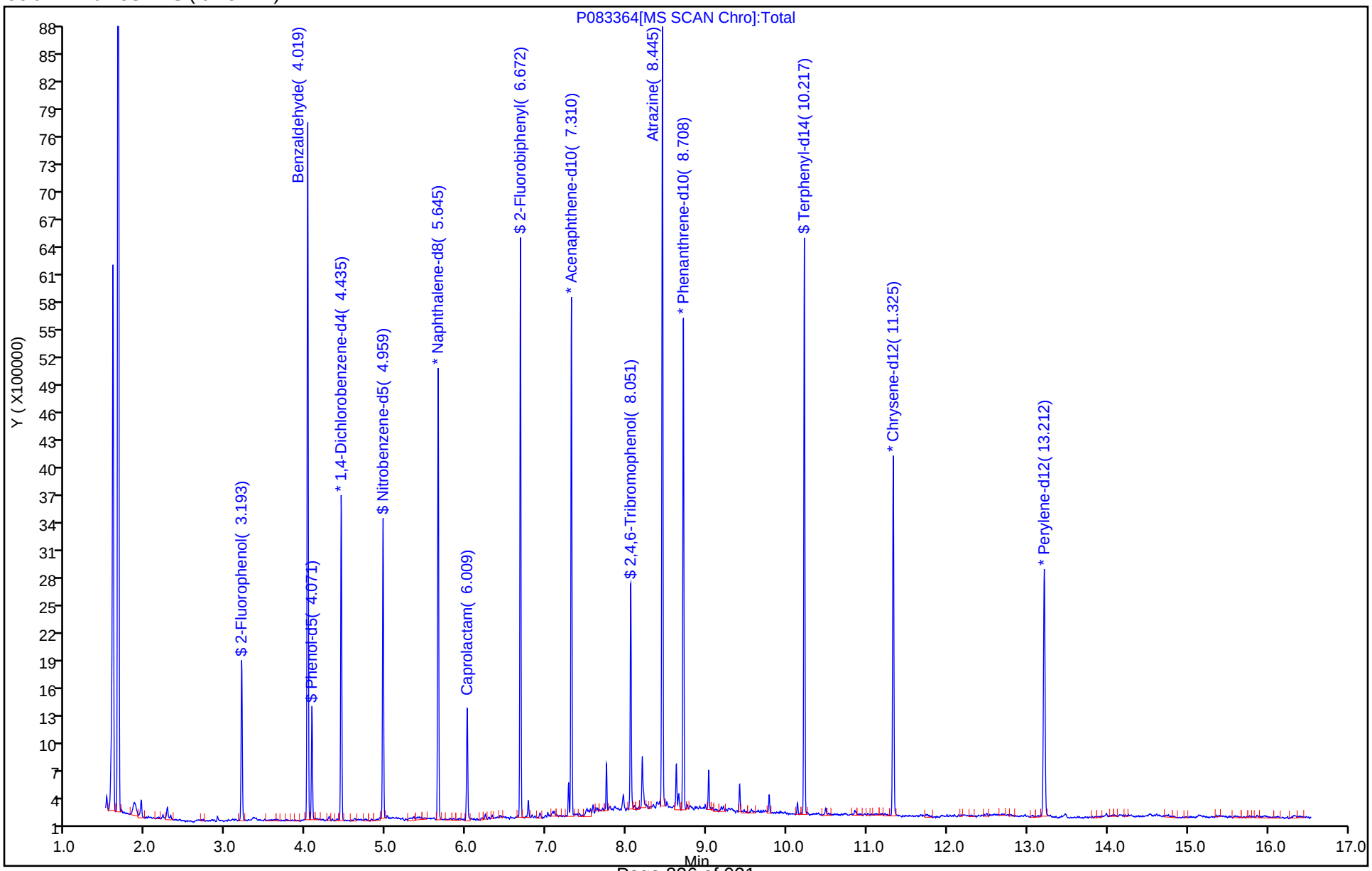
Lims ID: LCS 460-639875/4-A Worklist Smp#: 20

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 20

Method: 8270LVI_18 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639610/3-A

Matrix: Water Lab File ID: A163895.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 21:22

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	58.9		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	60.1		10	0.63
95-95-4	2,4,5-Trichlorophenol	61.7		10	0.28
88-06-2	2,4,6-Trichlorophenol	65.4		10	0.30
120-83-2	2,4-Dichlorophenol	65.5		10	0.42
105-67-9	2,4-Dimethylphenol	62.0		10	0.24
51-28-5	2,4-Dinitrophenol	153		20	14
121-14-2	2,4-Dinitrotoluene	71.1		2.0	1.0
606-20-2	2,6-Dinitrotoluene	71.2		2.0	0.39
91-58-7	2-Chloronaphthalene	58.0		10	1.2
95-57-8	2-Chlorophenol	59.2		10	0.38
91-57-6	2-Methylnaphthalene	59.6		10	1.1
95-48-7	2-Methylphenol	53.1		10	0.26
88-74-4	2-Nitroaniline	68.6		10	0.47
88-75-5	2-Nitrophenol	74.1		10	0.75
91-94-1	3,3'-Dichlorobenzidine	78.3		10	1.4
99-09-2	3-Nitroaniline	63.0		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	157		20	13
101-55-3	4-Bromophenyl phenyl ether	67.4		10	0.75
59-50-7	4-Chloro-3-methylphenol	65.5		10	0.58
106-47-8	4-Chloroaniline	64.5		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	67.8		10	1.3
106-44-5	4-Methylphenol	53.6		10	0.24
100-01-6	4-Nitroaniline	66.5		10	0.54
100-02-7	4-Nitrophenol	58.1		20	0.69
83-32-9	Acenaphthene	59.3		10	1.1
208-96-8	Acenaphthylene	62.6		10	0.82
98-86-2	Acetophenone	71.1		10	0.79
120-12-7	Anthracene	66.3		10	0.63
56-55-3	Benzo[a]anthracene	67.1		1.0	0.59
50-32-8	Benzo[a]pyrene	63.1		1.0	0.41
205-99-2	Benzo[b]fluoranthene	62.2		2.0	1.1
191-24-2	Benzo[g,h,i]perylene	48.7		10	1.4
207-08-9	Benzo[k]fluoranthene	64.5		1.0	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639610/3-A

Matrix: Water Lab File ID: A163895.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 21:22

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	67.6		10	0.24
111-44-4	Bis(2-chloroethyl)ether	67.3		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	73.9		2.0	1.7
85-68-7	Butyl benzyl phthalate	69.6		10	0.85
86-74-8	Carbazole	64.2		10	0.68
218-01-9	Chrysene	71.3		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	57.3		1.0	0.72
132-64-9	Dibenzofuran	64.9		10	1.1
84-66-2	Diethyl phthalate	69.2		10	0.98
131-11-3	Dimethyl phthalate	69.3		10	0.77
84-74-2	Di-n-butyl phthalate	69.5		10	0.84
117-84-0	Di-n-octyl phthalate	52.2		10	4.8
206-44-0	Fluoranthene	63.4		10	0.84
86-73-7	Fluorene	65.9		10	0.91
118-74-1	Hexachlorobenzene	71.0		1.0	0.40
87-68-3	Hexachlorobutadiene	46.9		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	36.5		10	1.7
67-72-1	Hexachloroethane	41.9		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	58.2		2.0	1.3
78-59-1	Isophorone	69.4		10	0.80
91-20-3	Naphthalene	53.7		10	1.1
98-95-3	Nitrobenzene	72.0		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	72.2		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	67.8		10	0.89
87-86-5	Pentachlorophenol	131		20	1.4
85-01-8	Phenanthrene	65.1		10	0.58
108-95-2	Phenol	29.0		10	0.29
129-00-0	Pyrene	66.4		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639610/3-A

Matrix: Water Lab File ID: A163895.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 21:22

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	101		26-139
321-60-8	2-Fluorobiphenyl	82		45-107
367-12-4	2-Fluorophenol (Surr)	46		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	90		51-108
4165-62-2	Phenol-d5 (Surr)	33		14-39
1718-51-0	Terphenyl-d14 (Surr)	87		40-148

Report Date: 17-Sep-2019 08:36:32 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163895.D
Lims ID: LCSD 460-639610/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 16-Sep-2019 21:22:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-007
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:35:13 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: eisam Date: 16-Sep-2019 22:54:10

	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	1.981	1.993	-0.012	94	312360	10.0	4.40	
	2 N-Nitrosodimethylamine	74	2.175	2.187	-0.012	91	525477	10.0	4.90	
	3 Pyridine	79	2.210	2.222	-0.012	94	1477634	20.0	9.58	
$	4 2-Fluorophenol	112	3.269	3.269	0.000	97	845297	10.0	4.64	
$	6 Phenol-d5	99	4.134	4.140	-0.006	0	689604	10.0	3.26	
	8 Aniline	93	4.151	4.152	-0.001	98	1834977	10.0	6.82	
	7 Phenol	94	4.146	4.152	-0.006	91	806421	10.0	3.62	
	9 Bis(2-chloroethyl)ether	93	4.199	4.204	-0.006	98	1424824	10.0	8.41	
	10 Benzonitrile	103	4.222	4.222	0.000	98	2695450	NC	NC	
	11 2-Chlorophenol	128	4.275	4.275	0.000	98	1399361	10.0	7.40	
	12 n-Decane	43	4.304	4.304	0.000	89	805653	10.0	4.74	
	13 1,3-Dichlorobenzene	146	4.410	4.410	0.000	96	1077854	10.0	5.43	
*	14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	1019915	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.475	4.475	0.000	94	1101837	10.0	5.50	
	16 Benzyl alcohol	108	4.593	4.599	-0.006	94	640520	10.0	5.80	
	17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1075553	10.0	5.66	
	19 2,2'-oxybis[1-chloropropan	45	4.710	4.710	0.000	86	1557824	10.0	7.52	
	18 2-Methylphenol	108	4.716	4.716	0.000	87	1054593	10.0	6.64	
	20 N-Methylaniline	106	4.834	4.834	0.000	96	1939360	10.0	7.92	
	22 N-Nitrosodi-n-propylamine	70	4.840	4.840	0.000	70	1005323	10.0	9.03	
	21 Acetophenone	105	4.840	4.840	0.000	92	2063241	10.0	8.89	
	23 3 & 4 Methylphenol	108	4.863	4.863	0.000	97	1190415	10.0	7.03	
	24 4-Methylphenol	108	4.863	4.863	0.000	95	1130760	10.0	6.70	
	25 Hexachloroethane	117	4.946	4.946	0.000	96	358201	10.0	5.24	
$	27 Nitrobenzene-d5	82	4.987	4.981	0.006	86	1632544	10.0	9.04	
	28 Nitrobenzene	123	5.004	5.004	0.000	97	753250	10.0	9.00	
	29 n,n'-Dimethylaniline	120	5.004	5.004	0.000	84	2009026	10.0	7.49	
	30 Isophorone	82	5.228	5.228	0.000	99	2766604	10.0	8.68	
	32 2-Nitrophenol	139	5.304	5.304	0.000	95	814331	10.0	9.26	
	33 2,4-Dimethylphenol	122	5.363	5.363	0.000	92	1214816	10.0	7.75	
	34 Bis(2-chloroethoxy)methane	93	5.434	5.434	0.000	98	1696923	10.0	8.45	
	35 Benzoic acid	122	5.451	5.475	-0.024	90	332666	10.0	5.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.545	5.551	-0.006	97	1140125	10.0	8.19	
37 1,2,4-Trichlorobenzene	180	5.616	5.616	0.000	94	952075	10.0	6.24	
* 38 Naphthalene-d8	136	5.669	5.663	0.006	98	4187088	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.000	99	3624910	10.0	6.71	
40 4-Chloroaniline	127	5.745	5.746	-0.001	97	1769537	10.0	8.07	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	94	436254	10.0	5.87	
43 4-Chloro-3-methylphenol	107	6.222	6.222	0.000	95	1110400	10.0	8.19	
44 2-Methylnaphthalene	142	6.340	6.340	0.000	90	2566279	10.0	7.45	
45 1-Methylnaphthalene	142	6.434	6.434	0.000	94	2462561	10.0	7.78	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	97	385418	10.0	4.57	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1055149	10.0	7.11	
48 2-tertbutyl-4-methylphenol	149	6.545	6.545	0.000	92	1854272	10.0	8.76	
49 2,4,6-Trichlorophenol	196	6.616	6.616	0.000	90	825684	10.0	8.18	
50 2,4,5-Trichlorophenol	196	6.657	6.657	0.000	98	854053	10.0	7.72	
$ 51 2-Fluorobiphenyl	172	6.692	6.693	-0.001	98	3288003	10.0	8.20	
52 1,1'-Biphenyl	154	6.787	6.787	0.000	95	3282079	10.0	7.36	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	97	2476866	10.0	7.25	
54 Phenyl ether	170	6.881	6.881	0.000	90	1665316	10.0	7.52	
55 2-Nitroaniline	65	6.904	6.904	0.000	95	874686	10.0	8.58	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	2001938	10.0	7.41	
59 Dimethyl phthalate	163	7.081	7.075	0.006	99	3074944	10.0	8.66	
60 Coumarin	146	7.098	7.092	0.006	81	978729	10.0	9.17	
61 2,6-Dinitrotoluene	165	7.128	7.128	0.000	95	715565	10.0	8.91	
62 Acenaphthylene	152	7.192	7.192	0.000	98	4021183	10.0	7.82	
63 3-Nitroaniline	138	7.292	7.292	0.000	98	713710	10.0	7.88	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	93	2092815	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	2037994	10.0	8.25	
66 Acenaphthene	154	7.357	7.357	0.000	95	2449410	10.0	7.41	
67 2,4-Dinitrophenol	184	7.387	7.381	0.000	97	719577	20.0	19.2	a
68 4-Nitrophenol	65	7.481	7.487	-0.006	90	401468	20.0	7.27	
69 2,4-Dinitrotoluene	165	7.510	7.504	0.006	96	906535	10.0	8.89	
70 Dibenzofuran	168	7.522	7.522	0.000	97	3566360	10.0	8.11	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	92	622970	10.0	8.61	
73 Diethyl phthalate	149	7.739	7.740	-0.001	98	3052118	10.0	8.65	
74 4-Chlorophenyl phenyl ethe	204	7.845	7.840	0.005	76	1230731	10.0	8.48	
75 Fluorene	166	7.845	7.845	0.000	95	2756857	10.0	8.24	
76 4-Nitroaniline	138	7.875	7.875	0.000	88	718536	10.0	8.32	
77 4,6-Dinitro-2-methylphenol	198	7.898	7.892	0.006	88	964809	20.0	19.6	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	81	2136547	10.0	8.47	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	2728358	10.0	7.94	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	378702	10.0	10.1	
81 4-Bromophenyl phenyl ether	248	8.304	8.304	0.000	90	714148	10.0	8.42	
82 Hexachlorobenzene	284	8.369	8.369	0.000	98	783226	10.0	8.87	
84 Pentachlorophenol	266	8.557	8.557	0.000	92	797044	20.0	16.4	
85 Pentachloronitrobenzene	237	8.569	8.563	0.006	87	285518	10.0	8.56	
86 n-Octadecane	57	8.628	8.628	0.000	90	1659984	10.0	8.48	
* 87 Phenanthrene-d10	188	8.728	8.722	0.006	98	3246209	8.00	8.00	
88 Phenanthrene	178	8.745	8.745	0.000	97	3875344	10.0	8.14	
89 Anthracene	178	8.792	8.792	0.000	99	3986615	10.0	8.29	
90 Carbazole	167	8.951	8.951	0.000	96	3434260	10.0	8.03	
91 Di-n-butyl phthalate	149	9.281	9.275	0.006	99	4414277	10.0	8.69	
92 Fluoranthene	202	9.863	9.863	0.000	98	3470473	10.0	7.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.992	9.992	0.000	99	1451275	10.0	5.64	
94 Pyrene	202	10.080	10.075	0.005	98	3376215	10.0	8.30	
95 Bisphenol-A	213	10.228	10.198	0.030	91	493396	5.00	3.91	
$ 96 Terphenyl-d14	244	10.228	10.228	0.000	100	2323708	10.0	8.68	
97 Butyl benzyl phthalate	149	10.727	10.728	-0.001	96	1459939	10.0	8.70	
99 Carbamazepine	193	10.839	10.839	0.000	93	1266847	10.0	9.68	
100 3,3'-Dichlorobenzidine	252	11.310	11.310	0.000	99	1065149	10.0	9.78	
101 Benzo[a]anthracene	228	11.327	11.328	-0.001	99	2630899	10.0	8.38	
* 102 Chrysene-d12	240	11.345	11.333	0.012	99	1857158	8.00	8.00	
104 Chrysene	228	11.375	11.369	0.005	99	2613357	10.0	8.91	
103 Bis(2-ethylhexyl) phthalat	149	11.380	11.380	0.000	87	1923543	10.0	9.23	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3348615	10.0	6.52	
106 Benzo[b]fluoranthene	252	12.698	12.698	0.000	99	3112490	10.0	7.78	
107 Benzo[k]fluoranthene	252	12.733	12.733	0.000	99	3376109	10.0	8.06	
108 Benzo[a]pyrene	252	13.145	13.145	0.000	97	2933814	10.0	7.89	
* 109 Perylene-d12	264	13.227	13.222	0.005	98	2624646	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.780	14.780	0.000	99	2827443	10.0	7.28	
111 Dibenz(a,h)anthracene	278	14.815	14.816	-0.001	97	2816651	10.0	7.16	
112 Benzo[g,h,i]perylene	276	15.210	15.210	0.000	99	2710829	10.0	6.09	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

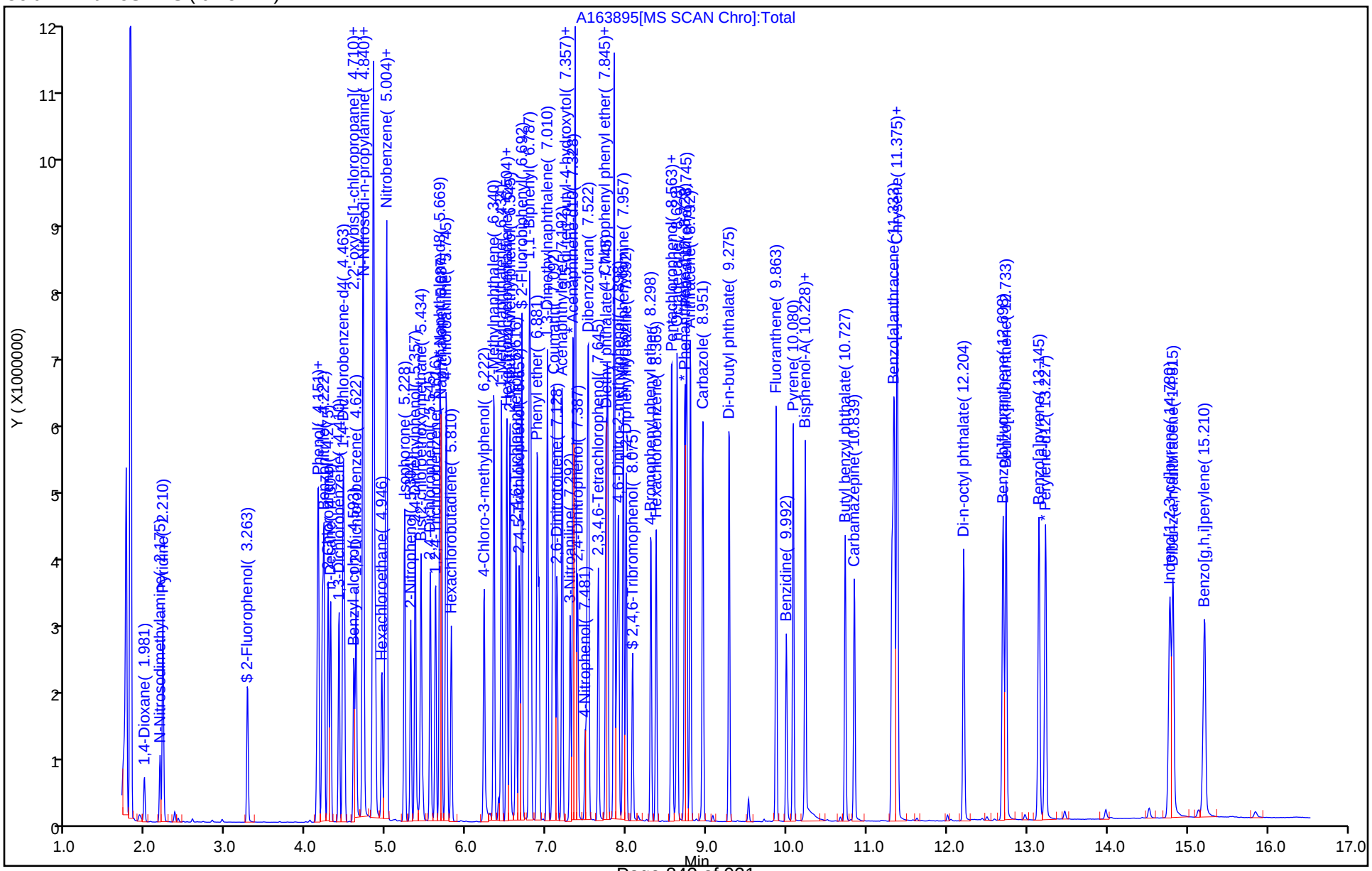
Report Date: 17-Sep-2019 08:36:32 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163895.D

Injection Date:	16-Sep-2019 21:22:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LCSD 460-639610/3-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

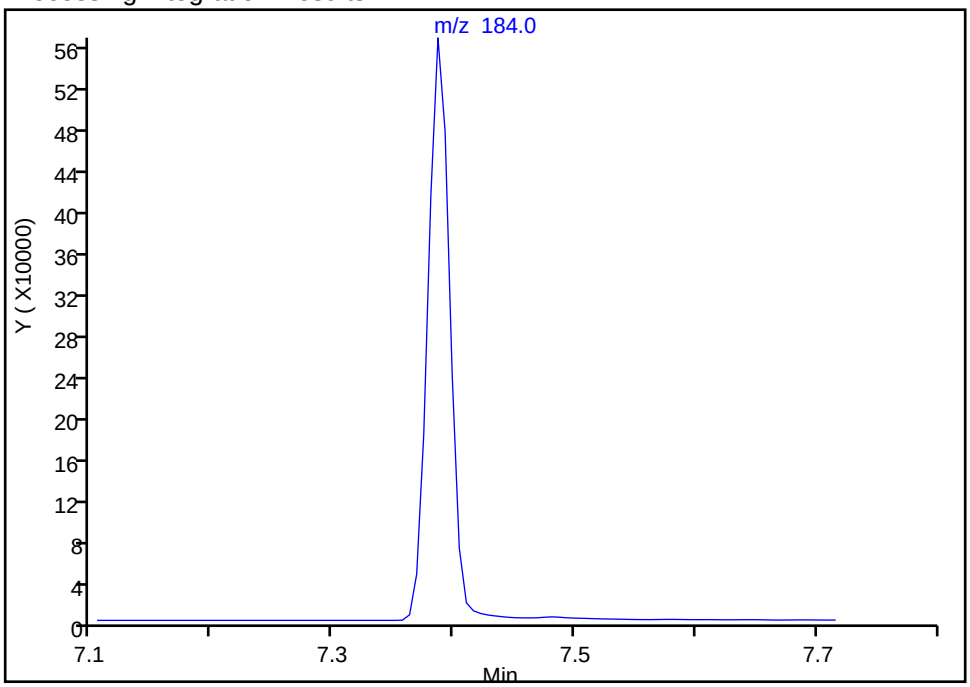
Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163895.D
Injection Date: 16-Sep-2019 21:22:30 Instrument ID: CBNAMS16
Lims ID: LCSD 460-639610/3-A
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

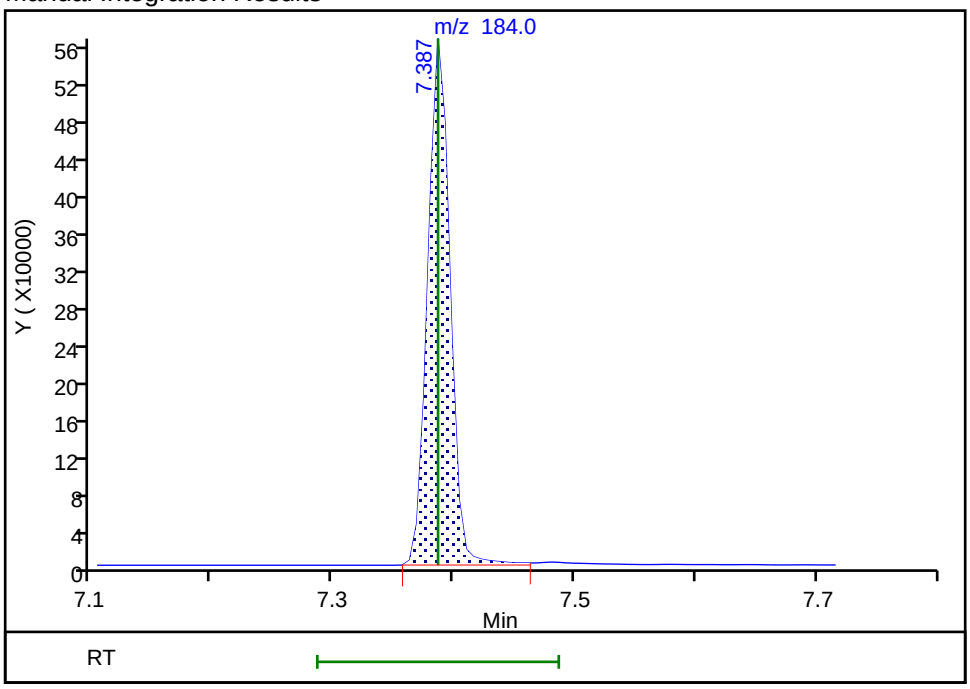
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 719577
Amount: 19.178045
Amount Units: ug/ml



Reviewer: eisam, 16-Sep-2019 22:53:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639610/5-A

Matrix: Water Lab File ID: A163897.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 22:04

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	105		2.0	1.3
100-52-7	Benzaldehyde	129		10	0.59
105-60-2	Caprolactam	25.5		10	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	97		26-139
321-60-8	2-Fluorobiphenyl	82		45-107
367-12-4	2-Fluorophenol (Surr)	42		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	87		51-108
4165-62-2	Phenol-d5 (Surr)	29		14-39
1718-51-0	Terphenyl-d14 (Surr)	91		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163897.D
Lims ID: LCSD 460-639610/5-A
Client ID:
Sample Type: LCSD
Inject. Date: 16-Sep-2019 22:04:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-009
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:50:37 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: eisam Date: 16-Sep-2019 23:31:05

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	3.269	3.269	0.000	97	803234	10.0	4.20	
5 Benzaldehyde	77	4.046	4.046	0.000	95	2466609	20.0	16.1	
$ 6 Phenol-d5	99	4.128	4.140	-0.012	0	634224	10.0	2.86	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	1070394	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	86	1616319	10.0	8.67	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	4318643	8.00	8.00	
42 Caprolactam	113	6.028	6.046	-0.018	94	125399	20.0	3.19	
$ 51 2-Fluorobiphenyl	172	6.687	6.693	-0.006	98	3281839	10.0	8.20	
* 64 Acenaphthene-d10	164	7.322	7.328	-0.006	95	2090179	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.069	8.075	-0.006	94	361629	10.0	9.65	
83 Atrazine	200	8.463	8.463	0.000	94	942628	20.0	13.2	
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	3193369	8.00	8.00	
$ 96 Terphenyl-d14	244	10.228	10.228	0.000	100	2299491	10.0	9.06	
* 102 Chrysene-d12	240	11.333	11.339	-0.006	99	1762225	8.00	8.00	
* 109 Perylene-d12	264	13.216	13.222	-0.006	99	1987589	8.00	8.00	

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 17-Sep-2019 13:53:35 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163897.D

Injection Date: 16-Sep-2019 22:04:30 Instrument ID: CBNAMS16 Operator ID:

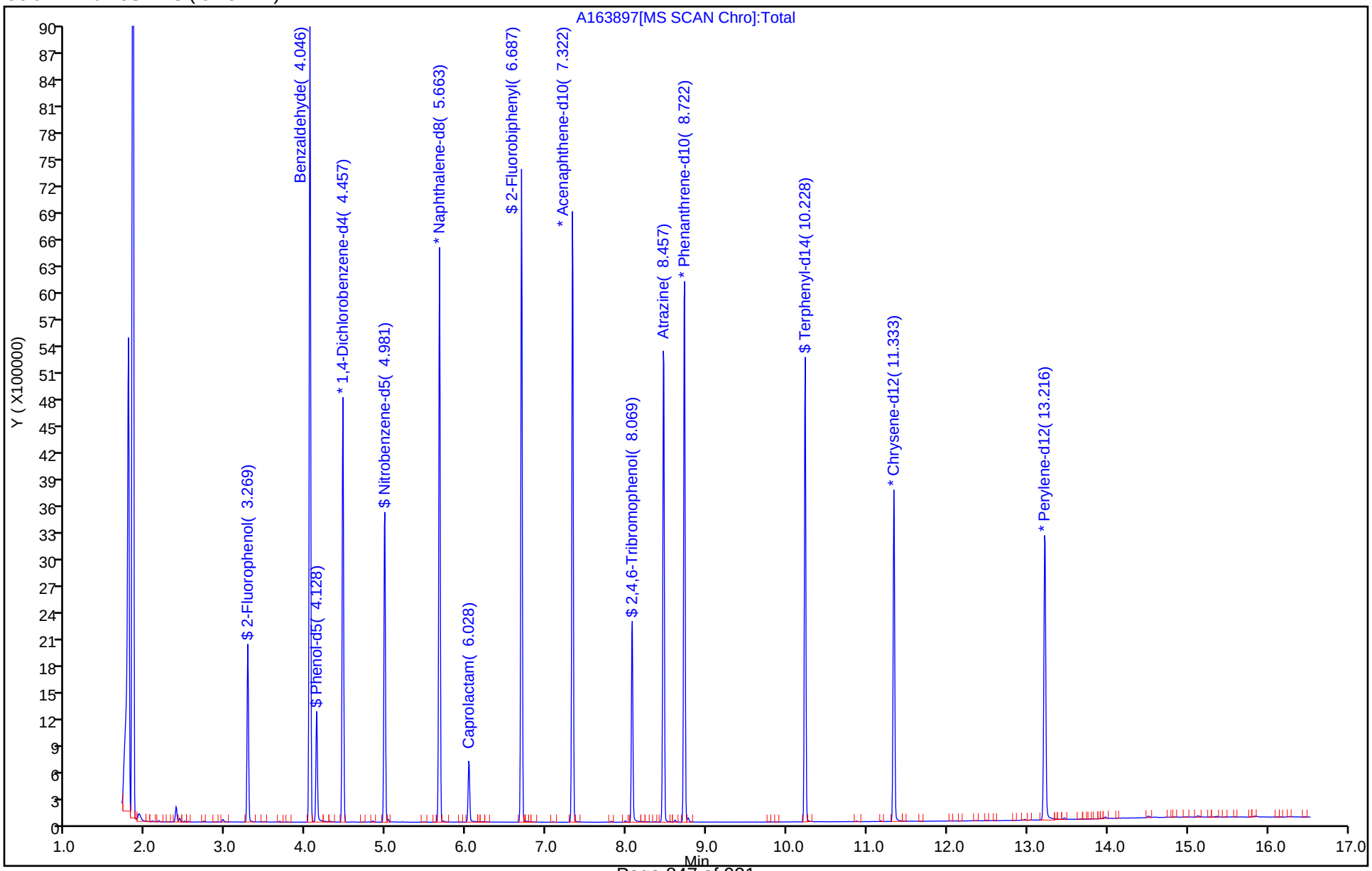
Lims ID: LCSD 460-639610/5-A Worklist Smp#: 9

Client ID:

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

Method: 8270LVI_16 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639875/3-A

Matrix: Water Lab File ID: P083363.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 15:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	79.3		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	73.6		10	0.63
95-95-4	2,4,5-Trichlorophenol	80.5		10	0.28
88-06-2	2,4,6-Trichlorophenol	84.1		10	0.30
120-83-2	2,4-Dichlorophenol	75.7		10	0.42
105-67-9	2,4-Dimethylphenol	70.4		10	0.24
51-28-5	2,4-Dinitrophenol	161		20	14
121-14-2	2,4-Dinitrotoluene	88.3		2.0	1.0
606-20-2	2,6-Dinitrotoluene	86.6		2.0	0.39
91-58-7	2-Chloronaphthalene	78.6		10	1.2
95-57-8	2-Chlorophenol	69.2		10	0.38
91-57-6	2-Methylnaphthalene	71.8		10	1.1
95-48-7	2-Methylphenol	63.1		10	0.26
88-74-4	2-Nitroaniline	86.9		10	0.47
88-75-5	2-Nitrophenol	80.3		10	0.75
91-94-1	3,3'-Dichlorobenzidine	72.6		10	1.4
99-09-2	3-Nitroaniline	77.7		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	195		20	13
101-55-3	4-Bromophenyl phenyl ether	77.8		10	0.75
59-50-7	4-Chloro-3-methylphenol	70.8		10	0.58
106-47-8	4-Chloroaniline	59.8		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	80.6		10	1.3
106-44-5	4-Methylphenol	56.3		10	0.24
100-01-6	4-Nitroaniline	75.0		10	0.54
100-02-7	4-Nitrophenol	64.4		20	0.69
83-32-9	Acenaphthene	75.2		10	1.1
208-96-8	Acenaphthylene	80.7		10	0.82
98-86-2	Acetophenone	78.4		10	0.79
120-12-7	Anthracene	79.2		10	0.63
56-55-3	Benzo[a]anthracene	83.1		1.0	0.59
50-32-8	Benzo[a]pyrene	80.0		1.0	0.41
205-99-2	Benzo[b]fluoranthene	82.8		2.0	1.1
191-24-2	Benzo[g,h,i]perylene	99.3		10	1.4
207-08-9	Benzo[k]fluoranthene	82.3		1.0	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639875/3-A

Matrix: Water Lab File ID: P083363.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 15:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	78.0		10	0.24
111-44-4	Bis(2-chloroethyl)ether	78.6		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	89.6		2.0	1.7
85-68-7	Butyl benzyl phthalate	97.2		10	0.85
86-74-8	Carbazole	77.8		10	0.68
218-01-9	Chrysene	85.9		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	97.9		1.0	0.72
132-64-9	Dibenzofuran	80.7		10	1.1
84-66-2	Diethyl phthalate	79.7		10	0.98
131-11-3	Dimethyl phthalate	79.2		10	0.77
84-74-2	Di-n-butyl phthalate	80.5		10	0.84
117-84-0	Di-n-octyl phthalate	89.8		10	4.8
206-44-0	Fluoranthene	74.6		10	0.84
86-73-7	Fluorene	79.4		10	0.91
118-74-1	Hexachlorobenzene	80.5		1.0	0.40
87-68-3	Hexachlorobutadiene	61.7		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	57.8		10	1.7
67-72-1	Hexachloroethane	59.9		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	94.0		2.0	1.3
78-59-1	Isophorone	78.2		10	0.80
91-20-3	Naphthalene	70.1		10	1.1
98-95-3	Nitrobenzene	83.4		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	79.0		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	81.6		10	0.89
87-86-5	Pentachlorophenol	163		20	1.4
85-01-8	Phenanthrene	81.2		10	0.58
108-95-2	Phenol	32.6		10	0.29
129-00-0	Pyrene	99.9		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639875/3-A

Matrix: Water Lab File ID: P083363.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 15:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	100		26-139
321-60-8	2-Fluorobiphenyl	91		45-107
367-12-4	2-Fluorophenol (Surr)	56		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	95		51-108
4165-62-2	Phenol-d5 (Surr)	38		14-39
1718-51-0	Terphenyl-d14 (Surr)	115		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083363.D
Lims ID: LCSD 460-639875/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 17-Sep-2019 15:03:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-019
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 18-Sep-2019 09:35:31 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: eisam Date: 17-Sep-2019 19:41:47

	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	1.847	1.849	-0.004	96	243786	10.0	5.34	
	2 N-Nitrosodimethylamine	74	2.062	2.063	-0.003	93	466532	10.0	6.21	
	3 Pyridine	79	2.098	2.098	-0.002	97	878363	20.0	8.50	
$	4 2-Fluorophenol	112	3.197	3.196	-0.002	98	626800	10.0	5.60	
$	6 Phenol-d5	99	4.075	4.077	-0.006	97	533588	10.0	3.81	
	7 Phenol	94	4.088	4.086	-0.002	98	604989	10.0	4.08	
	8 Aniline	93	4.121	4.118	-0.001	100	1092996	10.0	5.89	
	9 Bis(2-chloroethyl)ether	93	4.176	4.173	-0.001	97	1178863	10.0	9.83	
	10 Benzonitrile	103	4.196	4.192	0.000	98	2128473	NC	NC	
	11 2-Chlorophenol	128	4.238	4.236	-0.003	94	948908	10.0	8.65	
	12 n-Decane	43	4.290	4.284	0.001	88	778393	10.0	6.82	
	13 1,3-Dichlorobenzene	146	4.387	4.383	-0.001	93	898811	10.0	7.61	
*	14 1,4-Dichlorobenzene-d4	152	4.439	4.439	0.000	97	588241	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.456	4.450	0.001	91	910433	10.0	7.71	
	16 Benzyl alcohol	108	4.563	4.559	-0.001	93	574629	10.0	7.53	
	17 1,2-Dichlorobenzene	146	4.602	4.597	0.000	92	883655	10.0	7.96	
	18 2-Methylphenol	108	4.670	4.668	-0.002	93	814385	10.0	7.88	
	19 2,2'-oxybis[1-chloropropan	45	4.693	4.690	-0.002	94	1376188	10.0	9.20	
	20 N-Methylaniline	106	4.810	4.808	0.000	92	1331979	10.0	8.36	
	24 4-Methylphenol	108	4.817	4.812	0.001	78	774486	10.0	7.04	
	23 3 & 4 Methylphenol	108	4.817	4.816	0.001	89	780455	10.0	7.09	
	21 Acetophenone	105	4.817	4.815	-0.002	87	1508145	10.0	9.79	
	22 N-Nitrosodi-n-propylamine	70	4.817	4.815	-0.002	80	837226	10.0	9.87	
	25 Hexachloroethane	117	4.927	4.920	0.002	95	333277	10.0	7.48	
$	27 Nitrobenzene-d5	82	4.963	4.961	0.000	88	1217534	10.0	9.52	
	28 Nitrobenzene	123	4.979	4.977	0.000	95	534684	10.0	10.4	
	29 n,n'-Dimethylaniline	120	4.986	4.981	0.000	92	1331741	10.0	8.44	
	30 Isophorone	82	5.204	5.204	-0.002	99	2275558	10.0	9.77	
	32 2-Nitrophenol	139	5.285	5.281	0.002	86	508125	10.0	10.0	
	33 2,4-Dimethylphenol	122	5.324	5.323	-0.001	90	847315	10.0	8.80	
	35 Benzoic acid	122	5.392	5.409	-0.019	90	177706	10.0	3.51	
	34 Bis(2-chloroethoxy)methane	93	5.412	5.409	0.001	99	1407385	10.0	9.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.513	5.511	0.000	94	791481	10.0	9.46	
37 1,2,4-Trichlorobenzene	180	5.597	5.594	0.000	94	780841	10.0	8.23	
* 38 Naphthalene-d8	136	5.649	5.648	0.001	100	2354064	8.00	8.00	
39 Naphthalene	128	5.669	5.668	-0.001	99	2696033	10.0	8.76	
40 4-Chloroaniline	127	5.718	5.716	0.000	96	983133	10.0	7.47	
41 Hexachlorobutadiene	225	5.796	5.796	-0.002	95	412591	10.0	7.71	
43 4-Chloro-3-methylphenol	107	6.179	6.179	-0.003	95	847614	10.0	8.85	
44 2-Methylnaphthalene	142	6.326	6.323	0.000	86	1749361	10.0	8.97	
45 1-Methylnaphthalene	142	6.420	6.416	0.001	94	1635293	10.0	9.03	
46 Hexachlorocyclopentadiene	237	6.485	6.483	-0.001	97	407920	10.0	7.23	
47 1,2,4,5-Tetrachlorobenzene	216	6.488	6.486	-0.001	96	835240	10.0	9.44	
48 2-tertbutyl-4-methylphenol	149	6.518	6.515	0.000	89	1191273	10.0	9.28	
49 2,4,6-Trichlorophenol	196	6.596	6.592	0.001	88	575790	10.0	10.5	
50 2,4,5-Trichlorophenol	196	6.625	6.624	-0.002	96	615772	10.0	10.1	
$ 51 2-Fluorobiphenyl	172	6.677	6.672	0.002	98	1937513	10.0	9.10	
52 1,1'-Biphenyl	154	6.768	6.765	0.000	96	2203265	10.0	9.91	
53 2-Chloronaphthalene	162	6.788	6.784	0.001	97	1732890	10.0	9.83	
54 Phenyl ether	170	6.869	6.867	-0.001	89	1129895	10.0	9.81	
55 2-Nitroaniline	65	6.882	6.877	0.002	94	750514	10.0	10.9	
57 1,3-Dimethylnaphthalene	156	6.996	6.992	0.001	92	1358798	10.0	9.93	
59 Dimethyl phthalate	163	7.057	7.056	-0.002	98	2021990	10.0	9.90	
60 Coumarin	146	7.074	7.072	-0.001	77	665099	10.0	9.38	
61 2,6-Dinitrotoluene	165	7.109	7.107	-0.001	95	471082	10.0	10.8	
62 Acenaphthylene	152	7.178	7.174	0.000	97	2610592	10.0	10.1	
63 3-Nitroaniline	138	7.269	7.264	0.002	93	461000	10.0	9.71	
* 64 Acenaphthene-d10	164	7.314	7.312	0.002	98	1139906	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.337	7.334	-0.001	98	1386065	10.0	9.01	
66 Acenaphthene	154	7.344	7.340	0.000	97	1567536	10.0	9.40	
67 2,4-Dinitrophenol	184	7.363	7.434	0.000	94	505628	20.0	20.2	a
68 4-Nitrophenol	65	7.428	7.427	-0.002	95	335672	20.0	8.05	
69 2,4-Dinitrotoluene	165	7.490	7.485	0.002	93	605963	10.0	11.0	
70 Dibenzofuran	168	7.506	7.504	-0.001	96	2340086	10.0	10.1	
72 2,3,4,6-Tetrachlorophenol	232	7.623	7.619	0.000	93	497635	10.0	10.2	
73 Diethyl phthalate	149	7.727	7.725	-0.001	98	2069723	10.0	9.97	
75 Fluorene	166	7.828	7.824	0.000	94	1840967	10.0	9.92	
74 4-Chlorophenyl phenyl ethe	204	7.828	7.824	0.000	79	950231	10.0	10.1	
76 4-Nitroaniline	138	7.844	7.843	-0.003	94	471184	10.0	9.38	
77 4,6-Dinitro-2-methylphenol	198	7.877	7.874	0.001	91	675144	20.0	24.4	
78 N-Nitrosodiphenylamine	169	7.939	7.938	-0.002	99	1400761	10.0	10.2	
79 1,2-Diphenylhydrazine	77	7.978	7.976	0.000	98	2370572	10.0	10.3	
$ 80 2,4,6-Tribromophenol	330	8.056	8.051	0.001	94	323433	10.0	10.0	
81 4-Bromophenyl phenyl ether	248	8.290	8.287	0.001	92	559244	10.0	9.73	
82 Hexachlorobenzene	284	8.355	8.351	0.002	97	645847	10.0	10.1	
84 Pentachlorophenol	266	8.537	8.533	0.002	95	765118	20.0	20.3	
85 Pentachloronitrobenzene	237	8.553	8.549	0.002	89	261989	10.0	10.6	
86 n-Octadecane	57	8.621	8.620	-0.001	90	1453720	10.0	10.6	
* 87 Phenanthrene-d10	188	8.709	8.709	0.000	99	1883741	8.00	8.00	
88 Phenanthrene	178	8.732	8.729	0.001	98	2789297	10.0	10.1	
89 Anthracene	178	8.780	8.777	0.001	98	2787344	10.0	9.90	
90 Carbazole	167	8.930	8.928	0.000	96	2408975	10.0	9.73	
91 Di-n-butyl phthalate	149	9.268	9.267	-0.001	100	3153557	10.0	10.1	
92 Fluoranthene	202	9.853	9.852	-0.002	98	2639403	10.0	9.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Benzidine	184	9.977	9.973	-0.002	99	293605	10.0	1.82	
94 Pyrene	202	10.068	10.060	0.002	97	2656206	10.0	12.5	
95 Bisphenol-A	213	10.130	10.111	0.013	98	261892	5.00	3.02	
$ 96 Terphenyl-d14	244	10.221	10.214	0.001	100	1821678	10.0	11.5	
97 Butyl benzyl phthalate	149	10.721	10.713	0.001	98	1076398	10.0	12.2	
99 Carbamazepine	193	10.828	10.819	0.003	94	747659	10.0	10.7	
100 3,3'-Dichlorobenzidine	252	11.296	11.289	-0.001	99	597948	10.0	9.08	
101 Benzo[a]anthracene	228	11.319	11.312	0.000	99	1954082	10.0	10.4	
* 102 Chrysene-d12	240	11.332	11.332	0.000	99	1155650	8.00	8.00	
104 Chrysene	228	11.361	11.354	0.000	99	1914949	10.0	10.7	
103 Bis(2-ethylhexyl) phthalat	149	11.378	11.370	0.001	90	1417858	10.0	11.2	
105 Di-n-octyl phthalate	149	12.207	12.200	0.003	97	2134437	10.0	11.2	
106 Benzo[b]fluoranthene	252	12.688	12.680	0.003	98	1653749	10.0	10.4	
107 Benzo[k]fluoranthene	252	12.724	12.719	0.001	99	1711202	10.0	10.3	
108 Benzo[a]pyrene	252	13.133	13.129	-0.001	97	1521054	10.0	10.0	
* 109 Perylene-d12	264	13.215	13.214	0.001	99	1113937	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.766	14.762	-0.001	99	1623599	10.0	11.8	
111 Dibenz(a,h)anthracene	278	14.808	14.800	0.003	99	1717618	10.0	12.2	
112 Benzo[g,h,i]perylene	276	15.198	15.192	0.001	98	1782774	10.0	12.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00187 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 18-Sep-2019 09:39:53 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083363.D

Injection Date: 17-Sep-2019 15:03:30 Instrument ID: CBNAMS18 Operator ID:

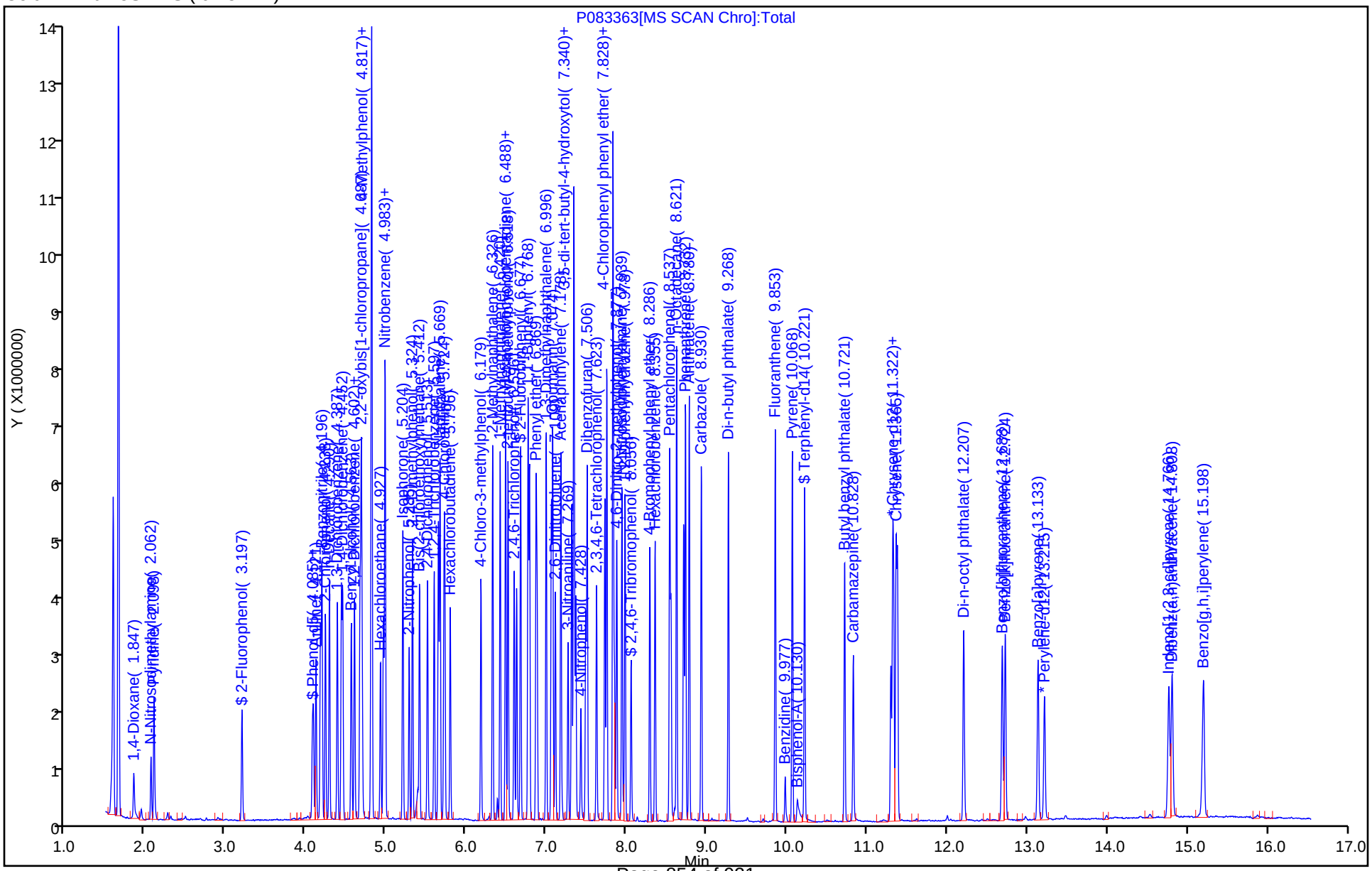
Lims ID: LCSD 460-639875/3-A Worklist Smp#: 19

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 19

Method: 8270LVI_18 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

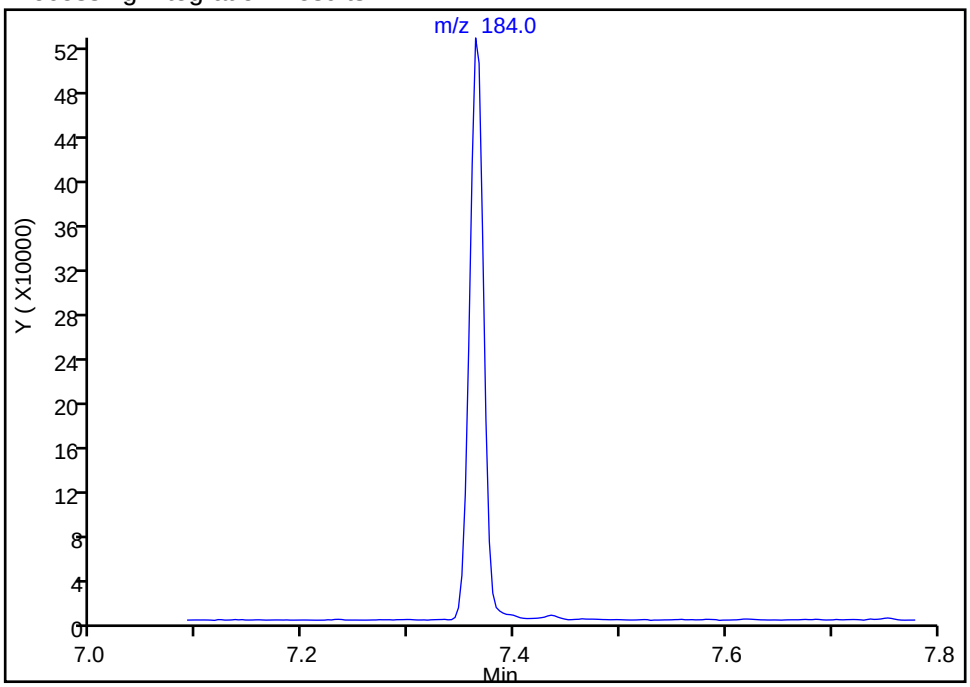
Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083363.D
Injection Date: 17-Sep-2019 15:03:30 Instrument ID: CBNAMS18
Lims ID: LCSD 460-639875/3-A
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

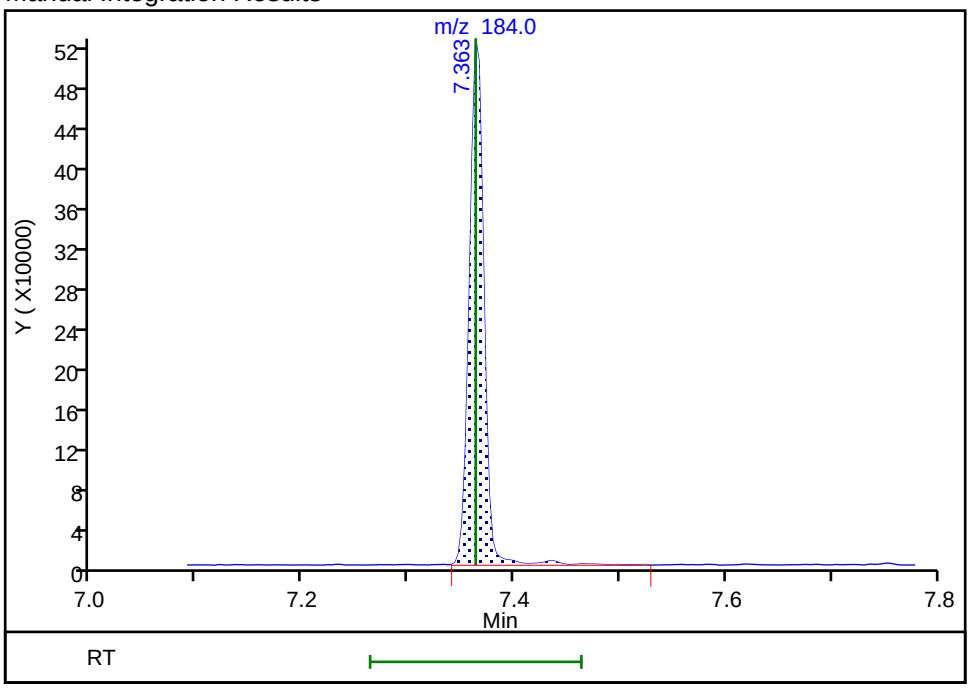
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Area: 505628
Amount: 20.173401
Amount Units: ug/ml



Reviewer: eisam, 17-Sep-2019 19:37:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-639875/5-A

Matrix: Water Lab File ID: P083365.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 09/17/2019 10:02

Sample wt/vol: 250(mL) Date Analyzed: 09/17/2019 15:45

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639842 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	164		2.0	1.3
100-52-7	Benzaldehyde	137		10	0.59
105-60-2	Caprolactam	41.1		10	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		26-139
321-60-8	2-Fluorobiphenyl	88		45-107
367-12-4	2-Fluorophenol (Surr)	50		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	96		51-108
4165-62-2	Phenol-d5 (Surr)	34		14-39
1718-51-0	Terphenyl-d14 (Surr)	90		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083365.D
Lims ID: LCSD 460-639875/5-A
Client ID:
Sample Type: LCSD
Inject. Date: 17-Sep-2019 15:45:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097706-021
Operator ID: Instrument ID: CBNAMS18

Method: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\8270LVI_18.m
Limit Group: SV 8270D ICAL
Last Update: 18-Sep-2019 09:35:31 Calib Date: 12-Sep-2019 16:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS18\20190912-97461.b\P083257.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: eisam Date: 17-Sep-2019 19:43:27

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	3.196	3.196	-0.003	95	512196	10.0	5.04	
5 Benzaldehyde	77	4.019	4.017	-0.002	98	1658924	20.0	17.1	
$ 6 Phenol-d5	99	4.071	4.077	-0.010	97	430076	10.0	3.38	
* 14 1,4-Dichlorobenzene-d4	152	4.439	4.439	-0.001	98	534180	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.959	4.961	-0.004	87	1096806	10.0	9.57	
* 38 Naphthalene-d8	136	5.645	5.648	-0.003	99	2109208	8.00	8.00	
42 Caprolactam	113	6.009	6.012	-0.006	94	130251	20.0	5.14	
$ 51 2-Fluorobiphenyl	172	6.672	6.672	-0.003	98	1745995	10.0	8.81	
* 64 Acenaphthene-d10	164	7.309	7.312	-0.003	96	1060190	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.050	8.051	-0.005	94	272760	10.0	9.08	
83 Atrazine	200	8.443	8.442	-0.001	91	907791	20.0	20.4	
* 87 Phenanthrene-d10	188	8.707	8.709	-0.002	99	1808797	8.00	8.00	
$ 96 Terphenyl-d14	244	10.218	10.214	-0.002	100	2004409	10.0	8.98	
* 102 Chrysene-d12	240	11.326	11.332	-0.006	99	1621633	8.00	8.00	
* 109 Perylene-d12	264	13.213	13.214	-0.001	99	1914646	8.00	8.00	

Reagents:

SM_ISTD_LVI_00187 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 18-Sep-2019 09:40:20 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS18\20190917-97706.b\P083365.D

Injection Date: 17-Sep-2019 15:45:30 Instrument ID: CBNAMS18 Operator ID:

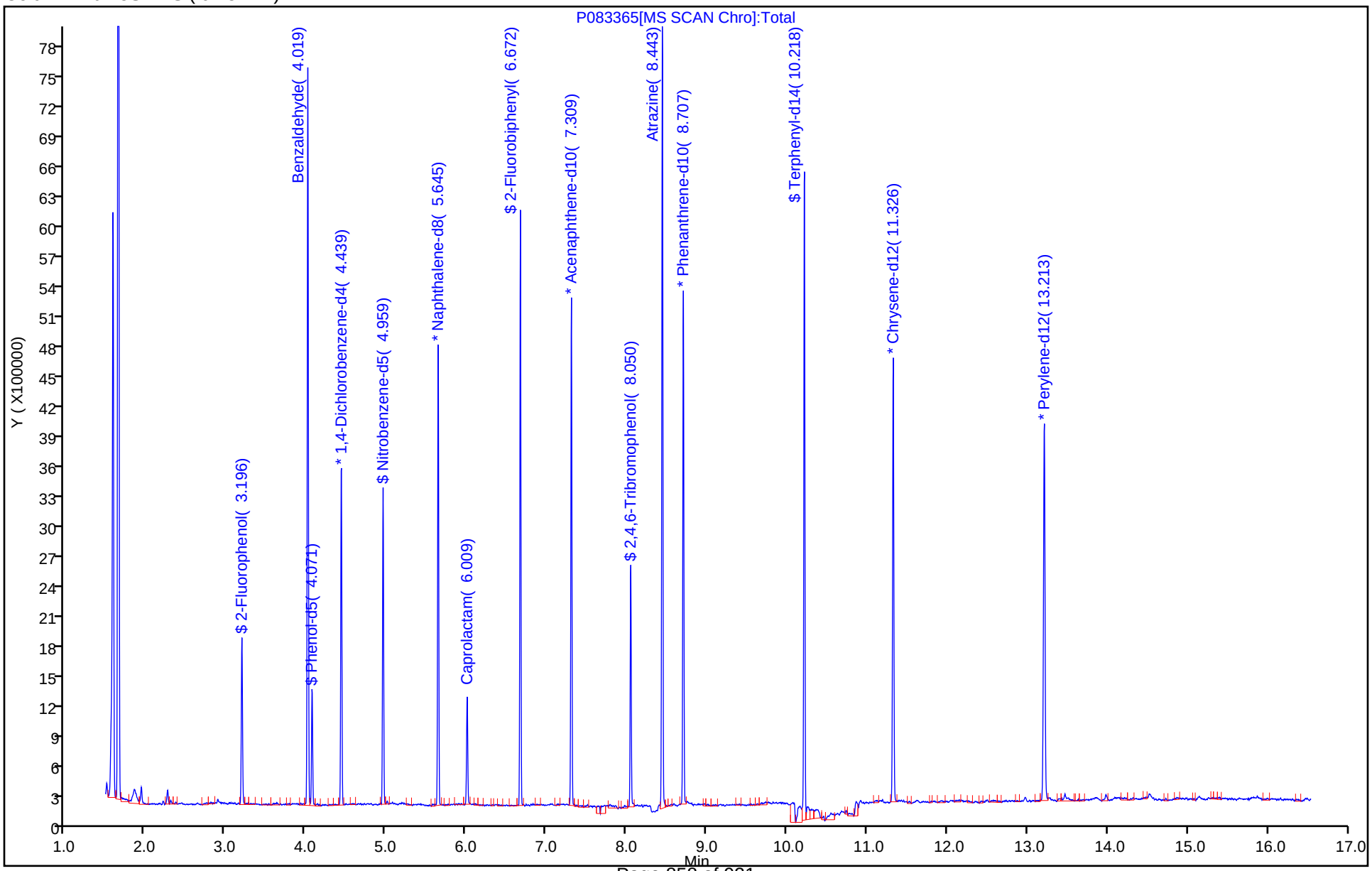
Lims ID: LCSD 460-639875/5-A Worklist Smp#: 21

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 21

Method: 8270LVI_18 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MS Lab Sample ID: 460-191351-2 MS

Matrix: Water Lab File ID: A163899.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 22:46

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	75.9		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	71.2		10	0.63
95-95-4	2,4,5-Trichlorophenol	75.0		10	0.28
88-06-2	2,4,6-Trichlorophenol	75.3		10	0.30
120-83-2	2,4-Dichlorophenol	75.8		10	0.42
105-67-9	2,4-Dimethylphenol	69.6		10	0.24
51-28-5	2,4-Dinitrophenol	132		20	14
121-14-2	2,4-Dinitrotoluene	83.4		2.0	1.0
606-20-2	2,6-Dinitrotoluene	85.3		2.0	0.39
91-58-7	2-Chloronaphthalene	75.1		10	1.2
95-57-8	2-Chlorophenol	63.2		10	0.38
91-57-6	2-Methylnaphthalene	78.8		10	1.1
95-48-7	2-Methylphenol	55.1		10	0.26
88-74-4	2-Nitroaniline	82.7		10	0.47
88-75-5	2-Nitrophenol	83.5		10	0.75
91-94-1	3,3'-Dichlorobenzidine	89.0		10	1.4
99-09-2	3-Nitroaniline	72.9		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	149		20	13
101-55-3	4-Bromophenyl phenyl ether	85.1		10	0.75
59-50-7	4-Chloro-3-methylphenol	75.9		10	0.58
106-47-8	4-Chloroaniline	70.5		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	83.5		10	1.3
106-44-5	4-Methylphenol	55.0		10	0.24
100-01-6	4-Nitroaniline	76.7		10	0.54
100-02-7	4-Nitrophenol	56.7		20	0.69
83-32-9	Acenaphthene	74.2		10	1.1
208-96-8	Acenaphthylene	78.1		10	0.82
98-86-2	Acetophenone	81.9		10	0.79
120-12-7	Anthracene	82.2		10	0.63
1912-24-9	Atrazine	180		2.0	1.3
100-52-7	Benzaldehyde	143		10	0.59
56-55-3	Benzo[a]anthracene	84.0		1.0	0.59
50-32-8	Benzo[a]pyrene	80.7		1.0	0.41
205-99-2	Benzo[b]fluoranthene	77.3		2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MS Lab Sample ID: 460-191351-2 MS

Matrix: Water Lab File ID: A163899.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 22:46

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	68.6		10	1.4
207-08-9	Benzo[k]fluoranthene	81.9		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	79.8		10	0.24
111-44-4	Bis(2-chloroethyl)ether	76.7		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	95.9		2.0	1.7
85-68-7	Butyl benzyl phthalate	89.9		10	0.85
105-60-2	Caprolactam	43.5		10	0.68
86-74-8	Carbazole	77.9		10	0.68
218-01-9	Chrysene	89.9		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	79.7		1.0	0.72
132-64-9	Dibenzofuran	81.0		10	1.1
84-66-2	Diethyl phthalate	83.1		10	0.98
131-11-3	Dimethyl phthalate	83.6		10	0.77
84-74-2	Di-n-butyl phthalate	85.9		10	0.84
117-84-0	Di-n-octyl phthalate	70.1		10	4.8
206-44-0	Fluoranthene	77.0		10	0.84
86-73-7	Fluorene	81.7		10	0.91
118-74-1	Hexachlorobenzene	88.4		1.0	0.40
87-68-3	Hexachlorobutadiene	67.5		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	57.0		10	1.7
67-72-1	Hexachloroethane	61.5		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	76.1		2.0	1.3
78-59-1	Isophorone	81.6		10	0.80
91-20-3	Naphthalene	72.0		10	1.1
98-95-3	Nitrobenzene	82.2		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	84.1		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	84.1		10	0.89
87-86-5	Pentachlorophenol	147		20	1.4
85-01-8	Phenanthrene	80.9		10	0.58
108-95-2	Phenol	27.3		10	0.29
129-00-0	Pyrene	86.5		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MS Lab Sample ID: 460-191351-2 MS

Matrix: Water Lab File ID: A163899.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 22:46

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	115		26-139
321-60-8	2-Fluorobiphenyl	97		45-107
367-12-4	2-Fluorophenol (Surr)	44		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	100		51-108
4165-62-2	Phenol-d5 (Surr)	29		14-39
1718-51-0	Terphenyl-d14 (Surr)	96		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163899.D
Lims ID: 460-191351-F-2-A MS
Client ID: MW-17D 091019
Sample Type: MS
Inject. Date: 16-Sep-2019 22:46:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-011
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 08:40:16 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: zhaoc Date: 17-Sep-2019 08:40:28

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	1.975	1.993	-0.018	94	264633	10.0	4.29	
2 N-Nitrosodimethylamine	74	2.169	2.187	-0.018	90	463108	10.0	4.96	
3 Pyridine	79	2.205	2.222	-0.017	93	1092162	20.0	8.14	
$ 4 2-Fluorophenol	112	3.263	3.269	-0.006	97	692338	10.0	4.37	
5 Benzaldehyde	77	4.046	4.046	0.000	95	2261581	20.0	17.9	
$ 6 Phenol-d5	99	4.134	4.140	-0.006	0	536239	10.0	2.92	
8 Aniline	93	4.151	4.152	-0.001	96	1546179	10.0	6.60	
7 Phenol	94	4.146	4.152	-0.006	97	660994	10.0	3.41	
9 Bis(2-chloroethyl)ether	93	4.199	4.204	-0.006	98	1413275	10.0	9.59	
10 Benzonitrile	103	4.216	4.222	-0.006	98	2704390	NC	NC	
11 2-Chlorophenol	128	4.269	4.275	-0.006	98	1299306	10.0	7.90	
12 n-Decane	43	4.304	4.304	0.000	89	977865	10.0	6.61	
13 1,3-Dichlorobenzene	146	4.404	4.410	-0.006	96	1339067	10.0	7.76	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	887085	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.475	4.475	0.000	95	1381970	10.0	7.94	
16 Benzyl alcohol	108	4.593	4.599	-0.006	94	571701	10.0	5.95	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1325710	10.0	8.02	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.710	0.000	91	1605316	10.0	8.90	
18 2-Methylphenol	108	4.710	4.716	-0.006	86	952153	10.0	6.89	
26 2-Toluidine	107	4.828	4.775	0.053	91	1481750		NC	
20 N-Methylaniline	106	4.834	4.834	0.000	97	1846596	10.0	8.67	
22 N-Nitrosodi-n-propylamine	70	4.840	4.840	0.000	80	1018566	10.0	10.5	
21 Acetophenone	105	4.840	4.840	0.000	92	2066268	10.0	10.2	
23 3 & 4 Methylphenol	108	4.857	4.863	-0.006	99	1073541	10.0	7.29	
24 4-Methylphenol	108	4.857	4.863	-0.006	96	1009803	10.0	6.88	
25 Hexachloroethane	117	4.940	4.946	-0.006	96	456980	10.0	7.68	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	87	1546966	10.0	10.0	
28 Nitrobenzene	123	5.004	5.004	0.000	95	748150	10.0	10.3	
29 n,n'-Dimethylaniline	120	5.004	5.004	0.000	92	2039715	10.0	8.75	
30 Isophorone	82	5.222	5.228	-0.006	99	2786410	10.0	10.2	
32 2-Nitrophenol	139	5.304	5.304	0.000	95	785352	10.0	10.4	
33 2,4-Dimethylphenol	122	5.357	5.363	-0.006	92	1169125	10.0	8.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.428	5.434	-0.006	98	1715690	10.0	9.98	
35 Benzoic acid	122	5.440	5.475	-0.035	88	212228	10.0	4.12	
36 2,4-Dichlorophenol	162	5.545	5.551	-0.006	97	1128771	10.0	9.47	
37 1,2,4-Trichlorobenzene	180	5.610	5.616	-0.006	94	1141910	10.0	8.74	
* 38 Naphthalene-d8	136	5.663	5.663	0.000	98	3585507	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.000	99	4162114	10.0	9.00	
40 4-Chloroaniline	127	5.740	5.746	-0.006	97	1655348	10.0	8.81	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	94	537482	10.0	8.44	
42 Caprolactam	113	6.063	6.039	0.017	95	177516	20.0	5.44	
43 4-Chloro-3-methylphenol	107	6.222	6.222	0.000	96	1102062	10.0	9.49	
44 2-Methylnaphthalene	142	6.340	6.340	0.000	94	2902458	10.0	9.84	
45 1-Methylnaphthalene	142	6.434	6.434	0.000	93	2665012	10.0	9.84	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	96	504649	10.0	7.12	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1149146	10.0	9.22	
48 2-tertbutyl-4-methylphenol	149	6.545	6.545	0.000	92	1915388	10.0	10.6	
49 2,4,6-Trichlorophenol	196	6.616	6.616	0.000	90	797970	10.0	9.41	
50 2,4,5-Trichlorophenol	196	6.657	6.657	0.000	98	871757	10.0	9.38	
$ 51 2-Fluorobiphenyl	172	6.692	6.693	-0.001	98	3252729	10.0	9.66	
52 1,1'-Biphenyl	154	6.781	6.787	-0.006	96	3550254	10.0	9.48	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	98	2694744	10.0	9.39	
54 Phenyl ether	170	6.881	6.881	0.000	84	1771447	10.0	9.53	
55 2-Nitroaniline	65	6.904	6.904	0.000	95	884955	10.0	10.3	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	2129413	10.0	9.38	
59 Dimethyl phthalate	163	7.075	7.075	0.000	99	3116088	10.0	10.5	
60 Coumarin	146	7.092	7.092	0.000	81	938866	10.0	10.3	
61 2,6-Dinitrotoluene	165	7.128	7.128	0.000	96	720415	10.0	10.7	
62 Acenaphthylene	152	7.192	7.192	0.000	98	4214547	10.0	9.76	
63 3-Nitroaniline	138	7.292	7.292	0.000	98	693544	10.0	9.12	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	93	1757671	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	2152271	10.0	10.4	
66 Acenaphthene	154	7.357	7.357	0.000	94	2576688	10.0	9.28	
67 2,4-Dinitrophenol	184	7.387	7.381	0.000	93	504256	20.0	16.5	a
68 4-Nitrophenol	65	7.487	7.487	0.000	87	329079	20.0	7.09	
69 2,4-Dinitrotoluene	165	7.504	7.504	0.000	96	894138	10.0	10.4	
70 Dibenzofuran	168	7.522	7.522	0.000	96	3739397	10.0	10.1	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	93	608609	10.0	10.0	
73 Diethyl phthalate	149	7.739	7.740	-0.001	98	3078276	10.0	10.4	
74 4-Chlorophenyl phenyl ethe	204	7.839	7.840	-0.001	76	1271731	10.0	10.4	
75 Fluorene	166	7.839	7.845	-0.006	95	2868614	10.0	10.2	
76 4-Nitroaniline	138	7.875	7.875	0.000	89	695509	10.0	9.59	
77 4,6-Dinitro-2-methylphenol	198	7.892	7.892	0.000	88	749865	20.0	18.7	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	82	2174499	10.0	10.5	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	2860208	10.0	10.1	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	363125	10.0	11.5	
58 1-Naphthylamine	143	8.069	8.109	-0.047	60	143623		NC	
81 4-Bromophenyl phenyl ether	248	8.298	8.304	-0.006	88	740674	10.0	10.6	
82 Hexachlorobenzene	284	8.369	8.369	0.000	98	800856	10.0	11.1	
71 2-Naphthylamine	143	8.463	8.403	0.053	44	18614		NC	
83 Atrazine	200	8.469	8.457	0.006	94	1340246	20.0	22.5	
84 Pentachlorophenol	266	8.557	8.557	0.000	92	731228	20.0	18.3	
85 Pentachloronitrobenzene	237	8.563	8.563	0.000	87	291471	10.0	10.6	
86 n-Octadecane	57	8.628	8.628	0.000	90	1723205	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2664447	8.00	8.00	
88 Phenanthrene	178	8.745	8.745	0.000	97	3949795	10.0	10.1	
89 Anthracene	178	8.792	8.792	0.000	99	4058311	10.0	10.3	
90 Carbazole	167	8.951	8.951	0.000	96	3418780	10.0	9.73	
91 Di-n-butyl phthalate	149	9.275	9.275	0.000	99	4477813	10.0	10.7	
92 Fluoranthene	202	9.863	9.863	0.000	98	3461004	10.0	9.63	
93 Benzidine	184	9.986	9.992	-0.006	99	395992	10.0	1.88	
94 Pyrene	202	10.075	10.075	0.000	98	3362119	10.0	10.8	
95 Bisphenol-A	213	10.292	10.198	0.094	96	374209	5.00	3.89	M
$ 96 Terphenyl-d14	244	10.228	10.228	0.000	100	1969231	10.0	9.63	
97 Butyl benzyl phthalate	149	10.722	10.728	-0.006	96	1440011	10.0	11.2	
99 Carbamazepine	193	10.839	10.839	0.000	93	1125210	10.0	11.2	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	99	925528	10.0	11.1	
101 Benzo[a]anthracene	228	11.327	11.328	-0.001	99	2516347	10.0	10.5	
* 102 Chrysene-d12	240	11.339	11.333	0.006	99	1418718	8.00	8.00	
104 Chrysene	228	11.369	11.369	0.000	99	2517639	10.0	11.2	
103 Bis(2-ethylhexyl) phthalat	149	11.375	11.380	-0.005	87	1907986	10.0	12.0	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3199874	10.0	8.76	
106 Benzo[b]fluoranthene	252	12.692	12.698	-0.006	99	2750843	10.0	9.66	
107 Benzo[k]fluoranthene	252	12.733	12.733	0.000	99	3049538	10.0	10.2	
108 Benzo[a]pyrene	252	13.139	13.145	-0.006	97	2670123	10.0	10.1	
* 109 Perylene-d12	264	13.221	13.222	-0.001	98	1867091	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.774	14.780	-0.006	99	2773601	10.0	9.51	
111 Dibenz(a,h)anthracene	278	14.810	14.816	-0.006	97	2787853	10.0	9.97	
112 Benzo[g,h,i]perylene	276	15.210	15.210	0.000	98	2716858	10.0	8.58	
S 119 Total Cresols	1				0			14.2	
127 4,4'-DDT	235	6.498	6.457	0.041	74	315950		NR	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- NC - Not Calibrated

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

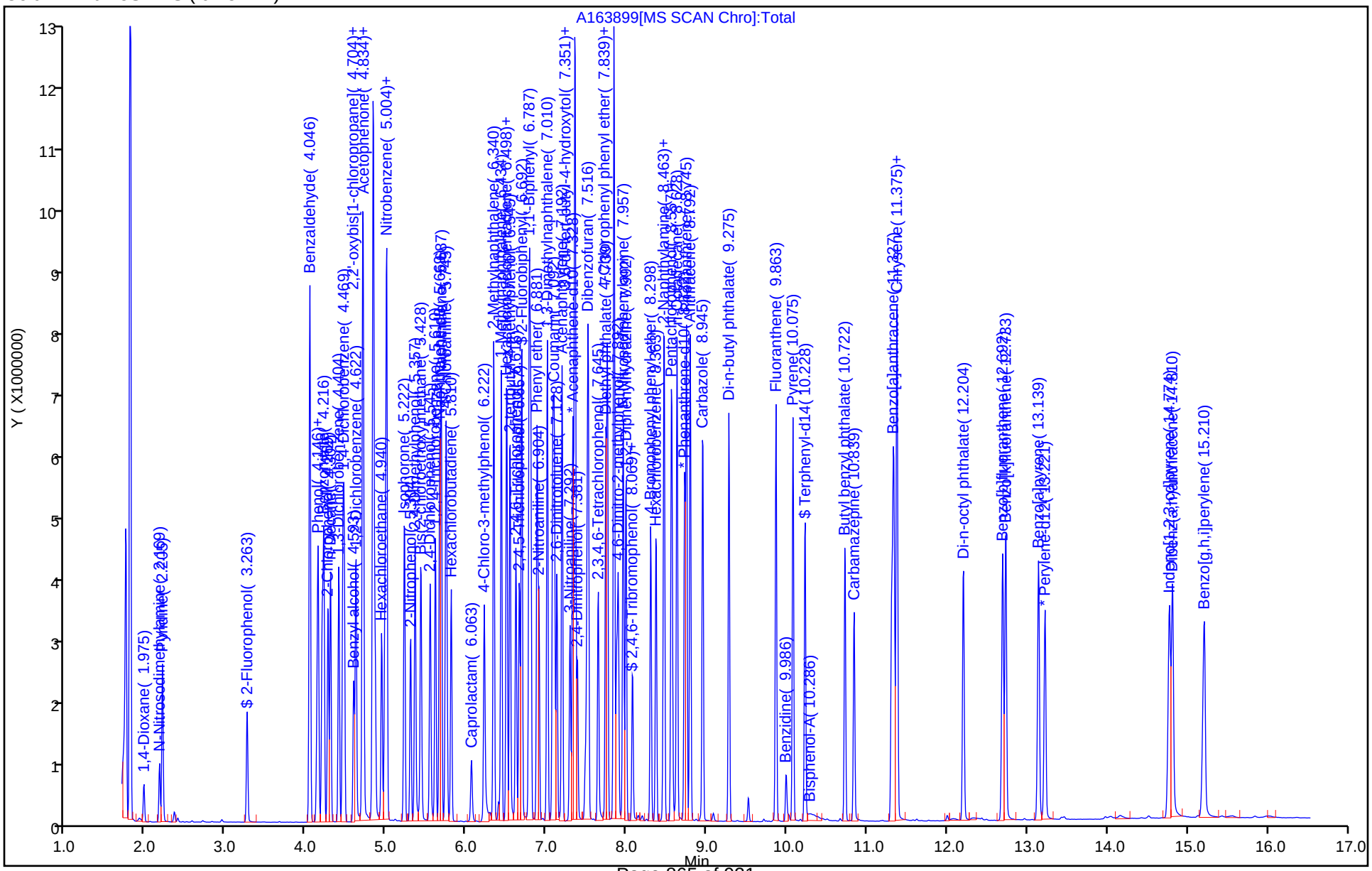
Report Date: 17-Sep-2019 08:40:29 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163899.D

Injection Date:	16-Sep-2019 22:46:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-2-A MS			Worklist Smp#:	11
Client ID:	MW-17D 091019				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

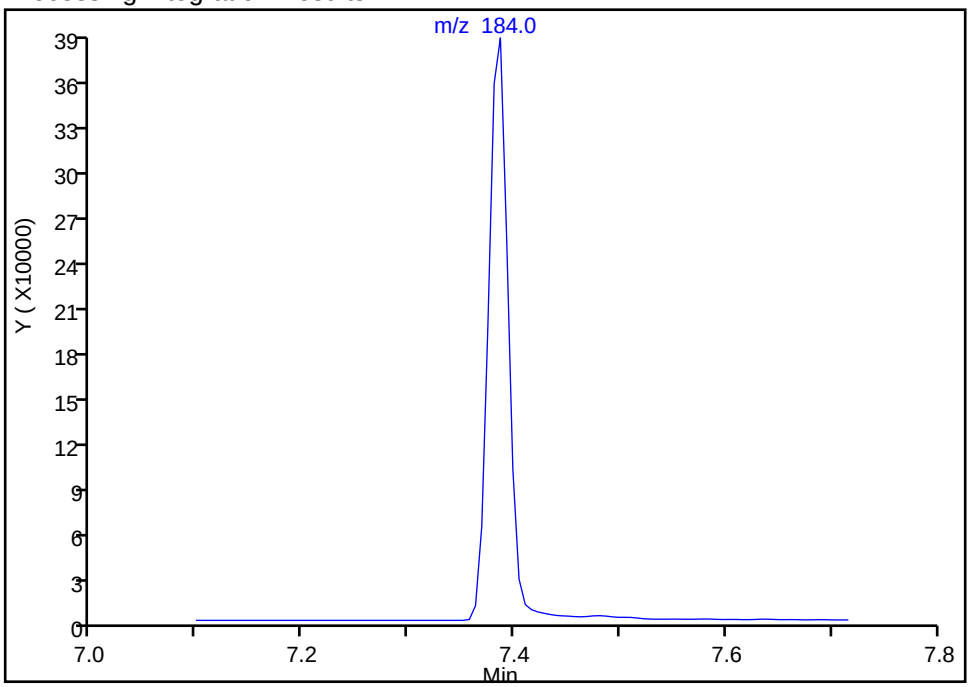
Data File:	\\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163899.D				
Injection Date:	16-Sep-2019 22:46:30	Instrument ID:	CBNAMS16		
Lims ID:	460-191351-F-2-A MS				
Client ID:	MW-17D 091019				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

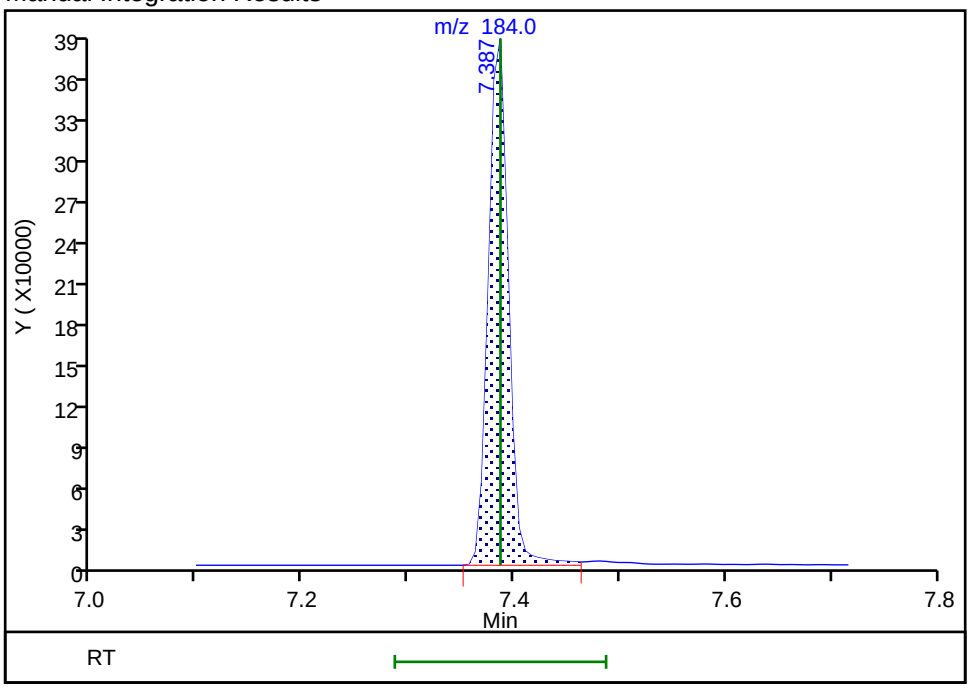
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 504256
Amount: 16.451305
Amount Units: ug/ml



Reviewer: maheseep, 17-Sep-2019 13:55:01
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MSD Lab Sample ID: 460-191351-2 MSD

Matrix: Water Lab File ID: A163900.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 23:06

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	75.2		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	72.2		10	0.63
95-95-4	2,4,5-Trichlorophenol	75.2		10	0.28
88-06-2	2,4,6-Trichlorophenol	76.1		10	0.30
120-83-2	2,4-Dichlorophenol	75.7		10	0.42
105-67-9	2,4-Dimethylphenol	70.0		10	0.24
51-28-5	2,4-Dinitrophenol	183		20	14
121-14-2	2,4-Dinitrotoluene	85.7		2.0	1.0
606-20-2	2,6-Dinitrotoluene	84.3		2.0	0.39
91-58-7	2-Chloronaphthalene	74.5		10	1.2
95-57-8	2-Chlorophenol	64.9		10	0.38
91-57-6	2-Methylnaphthalene	78.1		10	1.1
95-48-7	2-Methylphenol	55.2		10	0.26
88-74-4	2-Nitroaniline	83.7		10	0.47
88-75-5	2-Nitrophenol	85.8		10	0.75
91-94-1	3,3'-Dichlorobenzidine	85.3		10	1.4
99-09-2	3-Nitroaniline	73.6		10	0.96
534-52-1	4,6-Dinitro-2-methylphenol	191		20	13
101-55-3	4-Bromophenyl phenyl ether	84.3		10	0.75
59-50-7	4-Chloro-3-methylphenol	76.3		10	0.58
106-47-8	4-Chloroaniline	68.7		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	83.2		10	1.3
106-44-5	4-Methylphenol	55.2		10	0.24
100-01-6	4-Nitroaniline	80.6		10	0.54
100-02-7	4-Nitrophenol	58.1		20	0.69
83-32-9	Acenaphthene	75.6		10	1.1
208-96-8	Acenaphthylene	77.9		10	0.82
98-86-2	Acetophenone	82.9		10	0.79
120-12-7	Anthracene	82.1		10	0.63
1912-24-9	Atrazine	195		2.0	1.3
100-52-7	Benzaldehyde	152		10	0.59
56-55-3	Benzo[a]anthracene	82.3		1.0	0.59
50-32-8	Benzo[a]pyrene	79.0		1.0	0.41
205-99-2	Benzo[b]fluoranthene	75.3		2.0	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MSD Lab Sample ID: 460-191351-2 MSD

Matrix: Water Lab File ID: A163900.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 23:06

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	64.3		10	1.4
207-08-9	Benzo[k]fluoranthene	81.3		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	79.4		10	0.24
111-44-4	Bis(2-chloroethyl)ether	77.6		1.0	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	95.5		2.0	1.7
85-68-7	Butyl benzyl phthalate	90.2		10	0.85
105-60-2	Caprolactam	43.5		10	0.68
86-74-8	Carbazole	80.4		10	0.68
218-01-9	Chrysene	89.2		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	74.8		1.0	0.72
132-64-9	Dibenzofuran	79.7		10	1.1
84-66-2	Diethyl phthalate	84.0		10	0.98
131-11-3	Dimethyl phthalate	84.0		10	0.77
84-74-2	Di-n-butyl phthalate	87.5		10	0.84
117-84-0	Di-n-octyl phthalate	69.9		10	4.8
206-44-0	Fluoranthene	78.9		10	0.84
86-73-7	Fluorene	81.7		10	0.91
118-74-1	Hexachlorobenzene	87.4		1.0	0.40
87-68-3	Hexachlorobutadiene	69.3		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	62.2		10	1.7
67-72-1	Hexachloroethane	64.0		2.0	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	72.0		2.0	1.3
78-59-1	Isophorone	81.2		10	0.80
91-20-3	Naphthalene	72.9		10	1.1
98-95-3	Nitrobenzene	84.2		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	84.3		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	84.1		10	0.89
87-86-5	Pentachlorophenol	157		20	1.4
85-01-8	Phenanthrene	82.2		10	0.58
108-95-2	Phenol	26.9		10	0.29
129-00-0	Pyrene	87.0		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Client Sample ID: MW-17D 091019 MSD Lab Sample ID: 460-191351-2 MSD

Matrix: Water Lab File ID: A163900.D

Analysis Method: 8270D Date Collected: 09/10/2019 15:05

Extract. Method: 3510C Date Extracted: 09/16/2019 09:40

Sample wt/vol: 250(mL) Date Analyzed: 09/16/2019 23:06

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 639701 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	117		26-139
321-60-8	2-Fluorobiphenyl	96		45-107
367-12-4	2-Fluorophenol (Surr)	43		25-58
4165-60-0	Nitrobenzene-d5 (Surr)	99		51-108
4165-62-2	Phenol-d5 (Surr)	29		14-39
1718-51-0	Terphenyl-d14 (Surr)	91		40-148

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163900.D
Lims ID: 460-191351-F-2-B MSD
Client ID: MW-17D 091019
Sample Type: MSD
Inject. Date: 16-Sep-2019 23:06:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0097671-012
Operator ID: Instrument ID: CBNAMS16

Method: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\8270LVI_16.m
Limit Group: SV 8270D ICAL
Last Update: 17-Sep-2019 13:57:15 Calib Date: 04-Sep-2019 16:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Edison\ChromData\CBNAMS16\20190904-97046.b\A163583.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0339

First Level Reviewer: maheseep Date: 17-Sep-2019 13:57:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.987	1.993	-0.006	93	248555	10.0	4.33	
2 N-Nitrosodimethylamine	74	2.181	2.187	-0.006	91	421097	10.0	4.85	
3 Pyridine	79	2.216	2.222	-0.006	94	1055482	20.0	8.46	
$ 4 2-Fluorophenol	112	3.269	3.269	0.000	97	632035	10.0	4.29	
5 Benzaldehyde	77	4.046	4.046	0.000	95	2233069	20.0	19.0	
$ 6 Phenol-d5	99	4.134	4.140	-0.006	0	487745	10.0	2.85	
8 Aniline	93	4.151	4.152	-0.001	98	1431314	10.0	6.57	
7 Phenol	94	4.146	4.152	-0.006	94	606941	10.0	3.37	
9 Bis(2-chloroethyl)ether	93	4.198	4.204	-0.006	98	1329281	10.0	9.70	
10 Benzonitrile	103	4.222	4.222	0.000	98	2535502	NC	NC	
11 2-Chlorophenol	128	4.275	4.275	0.000	98	1242003	10.0	8.12	
12 n-Decane	43	4.304	4.304	0.000	89	946284	10.0	6.88	
13 1,3-Dichlorobenzene	146	4.410	4.410	0.000	96	1301382	10.0	8.11	
* 14 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	95	825112	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.475	4.475	0.000	95	1348269	10.0	8.33	
16 Benzyl alcohol	108	4.593	4.599	-0.006	94	506261	10.0	5.66	
17 1,2-Dichlorobenzene	146	4.622	4.622	0.000	96	1276387	10.0	8.31	
19 2,2'-oxybis[1-chloropropan	45	4.710	4.710	0.000	86	1514129	10.0	9.03	
18 2-Methylphenol	108	4.710	4.716	-0.006	85	887936	10.0	6.91	
26 2-Toluidine	107	4.834	4.775	0.059	91	1381066		NC	
20 N-Methylaniline	106	4.834	4.834	0.000	94	1753907	10.0	8.85	
22 N-Nitrosodi-n-propylamine	70	4.840	4.840	0.000	70	949095	10.0	10.5	
21 Acetophenone	105	4.840	4.840	0.000	92	1944256	10.0	10.4	
23 3 & 4 Methylphenol	108	4.857	4.863	-0.006	98	1009729	10.0	7.37	
24 4-Methylphenol	108	4.857	4.863	-0.006	97	941846	10.0	6.90	
25 Hexachloroethane	117	4.940	4.946	-0.006	96	442569	10.0	8.00	
$ 27 Nitrobenzene-d5	82	4.981	4.981	0.000	87	1443484	10.0	9.91	
28 Nitrobenzene	123	5.004	5.004	0.000	94	713257	10.0	10.5	
29 n,n'-Dimethylaniline	120	5.004	5.004	0.000	93	1909777	10.0	8.81	
30 Isophorone	82	5.222	5.228	-0.006	99	2609730	10.0	10.2	
32 2-Nitrophenol	139	5.304	5.304	0.000	95	760190	10.0	10.7	
33 2,4-Dimethylphenol	122	5.357	5.363	-0.006	92	1106360	10.0	8.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.428	5.434	-0.006	98	1605982	10.0	9.92	
35 Benzoic acid	122	5.445	5.475	-0.030	89	273757	10.0	5.24	
36 2,4-Dichlorophenol	162	5.545	5.551	-0.006	97	1061198	10.0	9.46	
37 1,2,4-Trichlorobenzene	180	5.610	5.616	-0.006	94	1088882	10.0	8.85	
* 38 Naphthalene-d8	136	5.663	5.669	-0.006	99	3374772	8.00	8.00	
39 Naphthalene	128	5.687	5.687	0.000	99	3968812	10.0	9.12	
40 4-Chloroaniline	127	5.740	5.746	-0.006	98	1519252	10.0	8.59	
41 Hexachlorobutadiene	225	5.810	5.810	0.000	95	519262	10.0	8.66	
42 Caprolactam	113	6.063	6.046	0.017	94	167259	20.0	5.44	
43 4-Chloro-3-methylphenol	107	6.222	6.222	0.000	96	1041698	10.0	9.53	
44 2-Methylnaphthalene	142	6.339	6.340	-0.001	86	2709978	10.0	9.77	
45 1-Methylnaphthalene	142	6.434	6.434	0.000	93	2524567	10.0	9.90	
46 Hexachlorocyclopentadiene	237	6.498	6.498	0.000	97	519913	10.0	7.78	
47 1,2,4,5-Tetrachlorobenzene	216	6.504	6.504	0.000	97	1072150	10.0	9.12	
48 2-tertbutyl-4-methylphenol	149	6.545	6.545	0.000	93	1801680	10.0	10.6	
49 2,4,6-Trichlorophenol	196	6.616	6.616	0.000	90	760315	10.0	9.51	
50 2,4,5-Trichlorophenol	196	6.657	6.657	0.000	98	823820	10.0	9.40	
$ 51 2-Fluorobiphenyl	172	6.692	6.693	-0.001	98	3035319	10.0	9.56	
52 1,1'-Biphenyl	154	6.781	6.787	-0.006	95	3318561	10.0	9.40	
53 2-Chloronaphthalene	162	6.804	6.804	0.000	99	2519969	10.0	9.31	
54 Phenyl ether	170	6.881	6.881	0.000	85	1661570	10.0	9.47	
55 2-Nitroaniline	65	6.904	6.904	0.000	96	844707	10.0	10.5	
57 1,3-Dimethylnaphthalene	156	7.010	7.010	0.000	93	1981798	10.0	9.25	
59 Dimethyl phthalate	163	7.075	7.075	0.000	99	2953842	10.0	10.5	
60 Coumarin	146	7.092	7.092	0.000	81	930338	10.0	10.8	
61 2,6-Dinitrotoluene	165	7.128	7.128	0.000	95	671392	10.0	10.5	
62 Acenaphthylene	152	7.192	7.192	0.000	98	3964770	10.0	9.74	
63 3-Nitroaniline	138	7.292	7.292	0.000	98	659880	10.0	9.20	
* 64 Acenaphthene-d10	164	7.328	7.328	0.000	93	1657638	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.351	7.351	0.000	97	2023494	10.0	10.3	
66 Acenaphthene	154	7.357	7.357	0.000	94	2474457	10.0	9.45	
67 2,4-Dinitrophenol	184	7.386	7.387	-0.001	96	700928	20.0	22.9	
68 4-Nitrophenol	65	7.486	7.487	-0.001	88	317901	20.0	7.27	
69 2,4-Dinitrotoluene	165	7.504	7.504	0.000	96	866782	10.0	10.7	
70 Dibenzofuran	168	7.522	7.522	0.000	96	3468882	10.0	9.96	
72 2,3,4,6-Tetrachlorophenol	232	7.645	7.645	0.000	92	575973	10.0	10.1	
73 Diethyl phthalate	149	7.739	7.740	-0.001	98	2933729	10.0	10.5	
74 4-Chlorophenyl phenyl ethe	204	7.839	7.840	-0.001	76	1195715	10.0	10.4	
75 Fluorene	166	7.839	7.845	-0.006	95	2705632	10.0	10.2	
76 4-Nitroaniline	138	7.875	7.875	0.000	89	689279	10.0	10.1	
77 4,6-Dinitro-2-methylphenol	198	7.892	7.892	0.000	90	927190	20.0	23.8	
78 N-Nitrosodiphenylamine	169	7.957	7.957	0.000	81	2077522	10.0	10.5	
79 1,2-Diphenylhydrazine	77	7.992	7.992	0.000	98	2716289	10.0	10.1	
$ 80 2,4,6-Tribromophenol	330	8.075	8.075	0.000	94	347418	10.0	11.7	
58 1-Naphthylamine	143	8.069	8.109	-0.047	66	131656		NC	
81 4-Bromophenyl phenyl ether	248	8.298	8.304	-0.006	88	700255	10.0	10.5	
82 Hexachlorobenzene	284	8.369	8.369	0.000	98	756036	10.0	10.9	
71 2-Naphthylamine	143	8.469	8.403	0.059	41	19715		NC	
83 Atrazine	200	8.469	8.463	0.006	94	1391084	20.0	24.4	E
84 Pentachlorophenol	266	8.557	8.557	0.000	92	745779	20.0	19.6	
85 Pentachloronitrobenzene	237	8.563	8.563	0.000	86	279879	10.0	10.7	
86 n-Octadecane	57	8.628	8.628	0.000	90	1608999	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.722	8.722	0.000	98	2543911	8.00	8.00	
88 Phenanthrene	178	8.745	8.745	0.000	97	3833816	10.0	10.3	
89 Anthracene	178	8.792	8.792	0.000	99	3870651	10.0	10.3	
90 Carbazole	167	8.951	8.951	0.000	96	3370150	10.0	10.1	
91 Di-n-butyl phthalate	149	9.275	9.275	0.000	99	4357320	10.0	10.9	
92 Fluoranthene	202	9.863	9.863	0.000	98	3387188	10.0	9.87	
93 Benzidine	184	9.992	9.992	0.000	99	318570	10.0	1.58	
94 Pyrene	202	10.075	10.075	0.000	98	3380652	10.0	10.9	
95 Bisphenol-A	213	10.304	10.304	0.106	88	421041	5.00	4.37	M
$ 96 Terphenyl-d14	244	10.227	10.228	-0.001	100	1868066	10.0	9.14	
97 Butyl benzyl phthalate	149	10.722	10.728	-0.006	96	1445019	10.0	11.3	
99 Carbamazepine	193	10.839	10.839	0.000	93	1126508	10.0	11.2	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	99	886881	10.0	10.7	
101 Benzo[a]anthracene	228	11.327	11.328	-0.001	98	2465048	10.0	10.3	
* 102 Chrysene-d12	240	11.339	11.339	0.000	99	1418789	8.00	8.00	
104 Chrysene	228	11.369	11.369	0.000	98	2497089	10.0	11.1	
103 Bis(2-ethylhexyl) phthalat	149	11.374	11.380	-0.006	87	1899691	10.0	11.9	
105 Di-n-octyl phthalate	149	12.204	12.204	0.000	96	3131128	10.0	8.74	
106 Benzo[b]fluoranthene	252	12.692	12.698	-0.006	99	2629279	10.0	9.41	
107 Benzo[k]fluoranthene	252	12.733	12.733	0.000	99	2974228	10.0	10.2	
108 Benzo[a]pyrene	252	13.139	13.145	-0.006	97	2565995	10.0	9.88	
* 109 Perylene-d12	264	13.221	13.222	-0.001	98	1832700	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.774	14.780	-0.006	99	2546267	10.0	9.00	
111 Dibenz(a,h)anthracene	278	14.815	14.816	-0.001	97	2565283	10.0	9.34	
112 Benzo[g,h,i]perylene	276	15.210	15.210	0.000	98	2497620	10.0	8.04	
S 119 Total Cresols	1				0			14.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_LVI_00188 Amount Added: 20.00 Units: uL Run Reagent

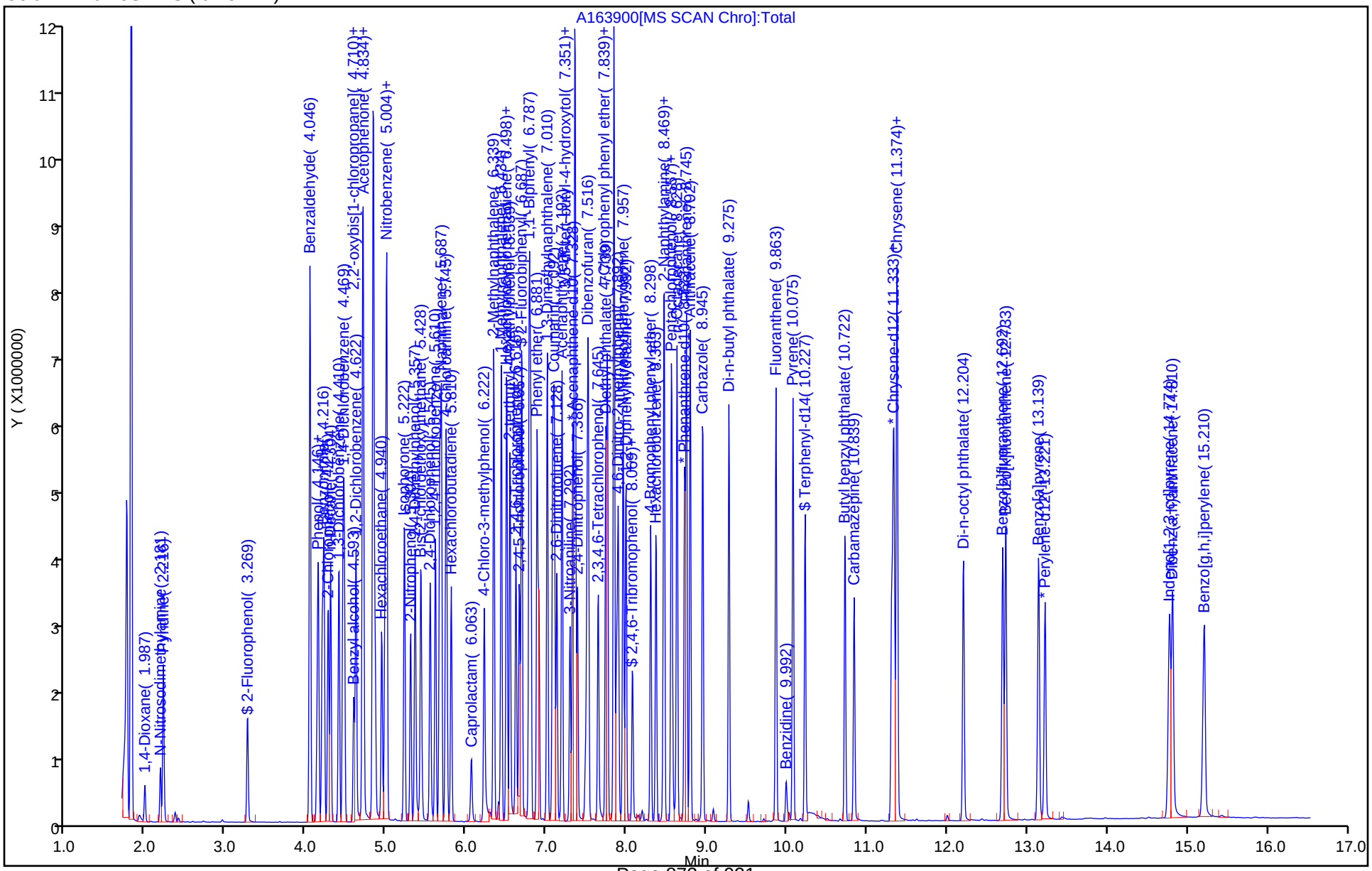
Report Date: 17-Sep-2019 13:57:39 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Edison

Data File: \\chromna\Edison\ChromData\CBNAMS16\20190916-97671.b\A163900.D

Injection Date:	16-Sep-2019 23:06:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	460-191351-F-2-B MSD			Worklist Smp#:	12
Client ID:	MW-17D 091019				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270LVI_16	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 09/04/2019 10:47

Analysis Batch Number: 636864 End Date: 09/04/2019 16:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-636864/1		09/04/2019 10:47	1	A163568.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-636864/2		09/04/2019 11:06	1	A163569.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-636864/3 IC		09/04/2019 11:29	1	A163570.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-636864/4 IC		09/04/2019 11:50	1	A163571.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-636864/5 IC		09/04/2019 12:12	1	A163572.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-636864/6 IC		09/04/2019 12:33	1	A163573.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-636864/7 IC		09/04/2019 12:54	1	A163574.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-636864/8 IC		09/04/2019 13:16	1	A163575.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-636864/9 IC		09/04/2019 13:37	1	A163576.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-636864/10 IC		09/04/2019 13:58	1	A163577.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-636864/11 IC		09/04/2019 14:19	1	A163578.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-636864/12 IC		09/04/2019 14:40	1	A163579.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-636864/13 IC		09/04/2019 15:01	1	A163580.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-636864/14 IC		09/04/2019 15:22	1	A163581.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-636864/15 IC		09/04/2019 15:43	1	A163582.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-636864/16 IC		09/04/2019 16:05	1	A163583.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-636864/17		09/04/2019 16:26	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-636864/18		09/04/2019 16:47	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 09/16/2019 19:01

Analysis Batch Number: 639701 End Date: 09/17/2019 05:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-639701/1		09/16/2019 19:01	1	A163889.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-639701/2		09/16/2019 19:19	1	A163890.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-639701/3		09/16/2019 19:49	1	A163891.D	Rtxi-5Sil MS 0.25(mm)
MB 460-639610/1-A		09/16/2019 20:32	1	A163893.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-639610/2-A		09/16/2019 20:53	1	A163894.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-639610/3-A		09/16/2019 21:22	1	A163895.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-639610/4-A		09/16/2019 21:43	1	A163896.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-639610/5-A		09/16/2019 22:04	1	A163897.D	Rtxi-5Sil MS 0.25(mm)
460-191351-2 MS		09/16/2019 22:46	1	A163899.D	Rtxi-5Sil MS 0.25(mm)
460-191351-2 MSD		09/16/2019 23:06	1	A163900.D	Rtxi-5Sil MS 0.25(mm)
460-191351-1		09/16/2019 23:28	1	A163901.D	Rtxi-5Sil MS 0.25(mm)
460-191351-3		09/16/2019 23:48	1	A163902.D	Rtxi-5Sil MS 0.25(mm)
460-191351-4		09/17/2019 00:09	1	A163903.D	Rtxi-5Sil MS 0.25(mm)
460-191351-5		09/17/2019 00:31	1	A163904.D	Rtxi-5Sil MS 0.25(mm)
460-191351-6		09/17/2019 00:52	1	A163905.D	Rtxi-5Sil MS 0.25(mm)
460-191351-7		09/17/2019 01:13	1	A163906.D	Rtxi-5Sil MS 0.25(mm)
460-191351-8		09/17/2019 01:34	1	A163907.D	Rtxi-5Sil MS 0.25(mm)
460-191351-9		09/17/2019 01:55	1	A163908.D	Rtxi-5Sil MS 0.25(mm)
460-191351-11		09/17/2019 02:16	1	A163909.D	Rtxi-5Sil MS 0.25(mm)
460-191351-12		09/17/2019 02:37	1	A163910.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 03:19	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 03:40	1		Rtxi-5Sil MS 0.25(mm)
460-191351-10		09/17/2019 05:25	1	A163918.D	Rtxi-5Sil MS 0.25(mm)
460-191351-13		09/17/2019 05:46	1	A163919.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 09/12/2019 09:36

Analysis Batch Number: 638750 End Date: 09/12/2019 16:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-638750/1		09/12/2019 09:36	1	P083241.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-638750/2		09/12/2019 09:48	1	P083242.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-638750/3 IC		09/12/2019 11:12	1	P083243.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-638750/4 IC		09/12/2019 11:33	1	P083244.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-638750/5 IC		09/12/2019 11:54	1	P083245.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-638750/6 IC		09/12/2019 12:15	1	P083246.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-638750/7 IC		09/12/2019 12:36	1	P083247.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-638750/8 IC		09/12/2019 12:57	1	P083248.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-638750/9 IC		09/12/2019 13:18	1	P083249.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-638750/10		09/12/2019 13:39	1	P083250.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-638750/11 IC		09/12/2019 14:00	1	P083251.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-638750/12 IC		09/12/2019 14:22	1	P083252.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-638750/13 IC		09/12/2019 14:43	1	P083253.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-638750/14 IC		09/12/2019 15:04	1	P083254.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-638750/15 IC		09/12/2019 15:25	1	P083255.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-638750/16 IC		09/12/2019 15:46	1	P083256.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-638750/17 IC		09/12/2019 16:07	1	P083257.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-638750/18		09/12/2019 16:28	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 09/17/2019 08:38

Analysis Batch Number: 639842 End Date: 09/17/2019 18:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-639842/1		09/17/2019 08:38	1	P083345a.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-639842/2		09/17/2019 08:57	1	P083346.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-639842/3		09/17/2019 09:18	1	P083347.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 10:21	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 10:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 11:03	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 11:24	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 11:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 12:27	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 12:48	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 13:09	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 13:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 13:52	1		Rtxi-5Sil MS 0.25(mm)
MB 460-639875/1-A		09/17/2019 14:13	1	P083361.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-639875/2-A		09/17/2019 14:34	1	P083362.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-639875/3-A		09/17/2019 15:03	1	P083363.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-639875/4-A		09/17/2019 15:24	1	P083364.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-639875/5-A		09/17/2019 15:45	1	P083365.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 16:07	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 16:28	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 16:49	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 17:10	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 17:31	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		09/17/2019 17:52	1		Rtxi-5Sil MS 0.25(mm)
460-191351-2		09/17/2019 18:13	1	P083372.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639610 Batch Start Date: 09/16/19 09:39 Batch Analyst: Babu, Dhanalakshmi X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00009
MB 460-639610/1		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-639610/2		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCSD 460-639610/3		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-639610/4		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
LCSD 460-639610/5		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
460-191351-F-2 MS	MW-17D 091019	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
460-191351-F-2 MSD	MW-17D 091019	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
460-191351-E-1	MW-171 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-F-3	DUP	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-E-4	MW-2 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-E-5	MW-2I 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-F-6	MW-46I 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-F-7	MW-40D 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-F-8	TW-2S 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-F-9	MW-38D 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-F-10	MW-38I 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-F-11	MW-36I 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-F-12	MW-36D 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-191351-E-13	MW-17 091119	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00030	OP_BNASurroga 00015				
MB 460-639610/1		3510C, 8270D			200 uL				
LCS 460-639610/2		3510C, 8270D		200 uL	200 uL				
LCSD 460-639610/3		3510C, 8270D		200 uL	200 uL				
LCS 460-639610/4		3510C, 8270D			200 uL				

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639610 Batch Start Date: 09/16/19 09:39 Batch Analyst: Babu, Dhanalakshmi X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00030	OP_BNASurroga 00015				
LCSD 460-639610/5		3510C, 8270D			200 uL				
460-191351-F-2 MS	MW-17D 091019	3510C, 8270D	T	200 uL	200 uL				
460-191351-F-2 MSD	MW-17D 091019	3510C, 8270D	T	200 uL	200 uL				
460-191351-E-1	MW-171 091119	3510C, 8270D	T		200 uL				
460-191351-F-3	DUP	3510C, 8270D	T		200 uL				
460-191351-E-4	MW-2 091119	3510C, 8270D	T		200 uL				
460-191351-E-5	MW-2I 091119	3510C, 8270D	T		200 uL				
460-191351-F-6	MW-46I 091119	3510C, 8270D	T		200 uL				
460-191351-F-7	MW-40D 091119	3510C, 8270D	T		200 uL				
460-191351-F-8	TW-2S 091119	3510C, 8270D	T		200 uL				
460-191351-F-9	MW-38D 091119	3510C, 8270D	T		200 uL				
460-191351-F-10	MW-38I 091119	3510C, 8270D	T		200 uL				
460-191351-F-11	MW-36I 091119	3510C, 8270D	T		200 uL				
460-191351-F-12	MW-36D 091119	3510C, 8270D	T		200 uL				
460-191351-E-13	MW-17 091119	3510C, 8270D	T		200 uL				

Batch Notes	
Acid Used for pH Adjustment ID	186983
Base Used to Adjust pH ID	OP2919
Batch Comment	3510C 8270 LVI
Concentration 1 Corrected Temperature	37 Degrees C
Analyst ID - Extraction	db
Method/Fraction	3510C_LVI BNA water
Prep Solvent ID	MeCL2 / 227642
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	db
Sufficient Volume for Batch QC	Yes
Concentration 1 Uncorrected Temperature	37 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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639610 Batch Start Date: 09/16/19 09:39 Batch Analyst: Babu, Dhanalakshmi X

Batch Method: 3510C 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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639875 Batch Start Date: 09/17/19 10:01 Batch Analyst: Babu, Dhanalakshmi X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00009
MB 460-639875/1		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-639875/2		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCSD 460-639875/3		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-639875/4		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
LCSD 460-639875/5		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	20 uL
460-191351-F-2	MW-17D 091019	3510C, 8270D	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00030	OP_BNASurroga 00015				
MB 460-639875/1		3510C, 8270D			200 uL				
LCS 460-639875/2		3510C, 8270D		200 uL	200 uL				
LCSD 460-639875/3		3510C, 8270D		200 uL	200 uL				
LCS 460-639875/4		3510C, 8270D			200 uL				
LCSD 460-639875/5		3510C, 8270D			200 uL				
460-191351-F-2	MW-17D 091019	3510C, 8270D	T		200 uL				

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639875 Batch Start Date: 09/17/19 10:01 Batch Analyst: Babu, Dhanalakshmi X

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid Used for pH Adjustment ID	186983
Base Used to Adjust pH ID	OP2919
Batch Comment	3510C 8270 LVI
Concentration 1 Corrected Temperature	37 Degrees C
Analyst ID - Extraction	db
Method/Fraction	3510C_LVI BNA water
Prep Solvent ID	MeCL2 / 227642
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	db
Sufficient Volume for Batch QC	Yes
Concentration 1 Uncorrected Temperature	37 Degrees C

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-191351-1

SDG No.:

Project: NYSEG - Former MGP Site Mechanicville

Client Sample ID	Lab Sample ID
MW-171 091119	460-191351-1
MW-17D 091019	460-191351-2
DUP	460-191351-3
MW-2 091119	460-191351-4
MW-2I 091119	460-191351-5
MW-46I 091119	460-191351-6
MW-40D 091119	460-191351-7
TW-2S 091119	460-191351-8
MW-38D 091119	460-191351-9
MW-38I 091119	460-191351-10
MW-36I 091119	460-191351-11
MW-36D 091119	460-191351-12
MW-17 091119	460-191351-13

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-171 091119 Lab Sample ID: 460-191351-1

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/10/2019 15:00

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-17D 091019 Lab Sample ID: 460-191351-2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/10/2019 15:05

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U	F1	1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DUP
Lab Sample ID: 460-191351-3
Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-191351-1
SDG ID.:
Matrix: Water
Date Sampled: 09/10/2019 00:00
Reporting Basis: WET
Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-2 091119 Lab Sample ID: 460-191351-4

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 08:40

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-2I 091119 Lab Sample ID: 460-191351-5

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 08:50

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-46I 091119 Lab Sample ID: 460-191351-6

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 10:05

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-40D 091119 Lab Sample ID: 460-191351-7

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 11:45

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.012	0.010	0.0040	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TW-2S 091119 Lab Sample ID: 460-191351-8

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 10:20

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-38D 091119 Lab Sample ID: 460-191351-9

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 13:05

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-38I 091119 Lab Sample ID: 460-191351-10

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 13:05

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-36I 091119 Lab Sample ID: 460-191351-11

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 14:35

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-36D 091119 Lab Sample ID: 460-191351-12

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 14:20

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0040	0.010	0.0040	mg/L	U	F1	1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-17 091119 Lab Sample ID: 460-191351-13

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG ID.:

Matrix: Water Date Sampled: 09/11/2019 15:40

Reporting Basis: WET Date Received: 09/12/2019 09:34

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.12	0.010	0.0040	mg/L			1	9012B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Analyst: AJP Batch Start Date: 09/17/2019

Reporting Units: mg/L Analytical Batch No.: 639968

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	CCV	16:04	Cyanide, Total	0.226	0.200	113	85-115		WTcn6ppm_Pri_00368
9	CCB	16:08	Cyanide, Total	0.0040				U	
10	ICV	16:08	Cyanide, Total	0.204	0.200	102	85-115		WTcn6ppm_ICV_00350
11	ICB	16:09	Cyanide, Total	0.0040				U	
20	CCV	16:17	Cyanide, Total	0.229	0.200	115	85-115		WTcn6ppm_Pri_00368
21	CCB	16:20	Cyanide, Total	0.0040				U	
32	CCV	16:29	Cyanide, Total	0.229	0.200	115	85-115		WTcn6ppm_Pri_00368
33	CCB	16:32	Cyanide, Total	0.0040				U	
44	CCV	16:42	Cyanide, Total	0.229	0.200	115	85-115		WTcn6ppm_Pri_00368
45	CCB	16:45	Cyanide, Total	0.0040				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 639968	Date: 09/17/2019 16:10	Prep Batch: 639846	Date: 09/17/2019 08:08				
9012B	MB 460-639846/1-A	Cyanide, Total	0.0040	U	mg/L	0.010	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 639968	Date: 09/17/2019 16:13		Prep Batch: 639846		Date: 09/17/2019 08:08						
9012B	460-191351-2	Cyanide, Total	0.0040	U	mg/L						F1
9012B	460-191351-2 MS	Cyanide, Total	0.234		mg/L	0.200	117	90-110			F1
Batch ID: 639968	Date: 09/17/2019 16:27		Prep Batch: 639846		Date: 09/17/2019 08:08						
9012B	460-191351-12	Cyanide, Total	0.0040	U	mg/L						F1
9012B	460-191351-12 MS	Cyanide, Total	0.225		mg/L	0.200	113	90-110			F1

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 639968 Date: 09/17/2019 16:14			Prep Batch: 639846			Date: 09/17/2019 08:08					
9012B	460-191351-2 MSD	Cyanide, Total	0.228		mg/L	0.200	114	90-110	3	35	F1
Batch ID: 639968 Date: 09/17/2019 16:28			Prep Batch: 639846			Date: 09/17/2019 08:08					
9012B	460-191351-12 MSD	Cyanide, Total	0.225		mg/L	0.200	113	90-110	0	35	F1

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

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 639968	Date: 09/17/2019 16:11		Prep Batch: 639846			Date: 09/17/2019 08:08					
						LCS Source: WTcnCmplex-IM_00377					
9012B	LCS 460-639846/2-A	Cyanide, Total	0.104		mg/L	0.100	104	85-115			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-191351-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012B MDL Date: 04/20/2018 11:15

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job Number: 460-191351-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012B XMDL Date: 04/20/2018 11:15

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.004

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-639846/1-A	09/17/2019 08:08	639846		6	6
LCS 460-639846/2-A	09/17/2019 08:08	639846		6	6
460-191351-2	09/17/2019 08:08	639846		6	6
460-191351-2 MS	09/17/2019 08:08	639846		6	6
460-191351-2 MSD	09/17/2019 08:08	639846		6	6
460-191351-3	09/17/2019 08:08	639846		6	6
460-191351-4	09/17/2019 08:08	639846		6	6
460-191351-5	09/17/2019 08:08	639846		6	6
460-191351-6	09/17/2019 08:08	639846		6	6
460-191351-7	09/17/2019 08:08	639846		6	6
460-191351-8	09/17/2019 08:08	639846		6	6
460-191351-9	09/17/2019 08:08	639846		6	6
460-191351-10	09/17/2019 08:08	639846		6	6
460-191351-11	09/17/2019 08:08	639846		6	6
460-191351-12	09/17/2019 08:08	639846		6	6
460-191351-12 MS	09/17/2019 08:08	639846		6	6
460-191351-12 MSD	09/17/2019 08:08	639846		6	6
460-191351-13	09/17/2019 08:08	639846		6	6
460-191351-1	09/17/2019 08:08	639846		6	6

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 09/17/2019 15:58 End Date: 09/17/2019 17:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				CN																			
IC 460-639846/27-A			15:58	X																			
IC 460-639846/28-A			15:59	X																			
IC 460-639846/29-A			16:00	X																			
IC 460-639846/30-A			16:01	X																			
IC 460-639846/31-A			16:02	X																			
IC 460-639846/32-A			16:03	X																			
IC 460-639846/33-A			16:04	X																			
CCV 460-639846/36-A	1		16:04	X																			
CCB 460-639968/9	1		16:08	X																			
ICV 460-639846/37-A	1		16:08	X																			
ICB 460-639968/11	1		16:09	X																			
MB 460-639846/1-A	1	T	16:10	X																			
LCS 460-639846/2-A	1	T	16:11	X																			
460-191351-2	1	T	16:12	X																			
460-191351-2 MS	1	T	16:13	X																			
460-191351-2 MSD	1	T	16:14	X																			
460-191351-3	1	T	16:15	X																			
460-191351-4	1	T	16:15	X																			
460-191351-5	1	T	16:16	X																			
CCV 460-639846/36-A	1		16:17	X																			
CCB 460-639968/21	1		16:20	X																			
460-191351-6	1	T	16:21	X																			
460-191351-7	1	T	16:22	X																			
460-191351-8	1	T	16:22	X																			
460-191351-9	1	T	16:23	X																			
460-191351-10	1	T	16:24	X																			
460-191351-11	1	T	16:25	X																			
460-191351-12	1	T	16:26	X																			
460-191351-12 MS	1	T	16:27	X																			
460-191351-12 MSD	1	T	16:28	X																			
460-191351-13	1	T	16:29	X																			
CCV 460-639846/36-A	1		16:29	X																			
CCB 460-639968/33	1		16:32	X																			
ZZZZZZ			16:33																				
ZZZZZZ			16:34																				
ZZZZZZ			16:35																				
ZZZZZZ			16:36																				
ZZZZZZ			16:36																				
ZZZZZZ			16:37																				
460-191351-1	1	T	16:38	X																			
ZZZZZZ			16:39																				
ZZZZZZ			16:40																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 09/17/2019 15:58 End Date: 09/17/2019 17:20

Lab Sample ID	D / F	Type	Time	Analytes																				
				CN																				
ZZZZZZ			16:41																					
CCV 460-639846/36-A	1		16:42	X																				
CCB 460-639968/45	1		16:45	X																				
ZZZZZZ			16:45																					
ZZZZZZ			16:46																					
ZZZZZZ			16:47																					
ZZZZZZ			16:48																					
ZZZZZZ			16:49																					
ZZZZZZ			16:50																					
ZZZZZZ			16:51																					
ZZZZZZ			16:52																					
ZZZZZZ			16:52																					
ZZZZZZ			16:53																					
CCV 460-639846/36-A			16:54																					
CCB 460-639968/57			16:57																					
ZZZZZZ			16:58																					
ZZZZZZ			16:59																					
ZZZZZZ			17:00																					
ZZZZZZ			17:01																					
ZZZZZZ			17:01																					
ZZZZZZ			17:02																					
ZZZZZZ			17:03																					
ZZZZZZ			17:04																					
ZZZZZZ			17:05																					
ZZZZZZ			17:06																					
CCV 460-639846/36-A			17:07																					
CCB 460-639968/69			17:09																					
ZZZZZZ			17:10																					
ZZZZZZ			17:11																					
ZZZZZZ			17:12																					
ZZZZZZ			17:13																					
ZZZZZZ			17:15																					
ZZZZZZ			17:16																					
CCV 460-639846/36-A			17:17																					
CCB 460-639968/77			17:20																					

Prep Types

T = Total/NA

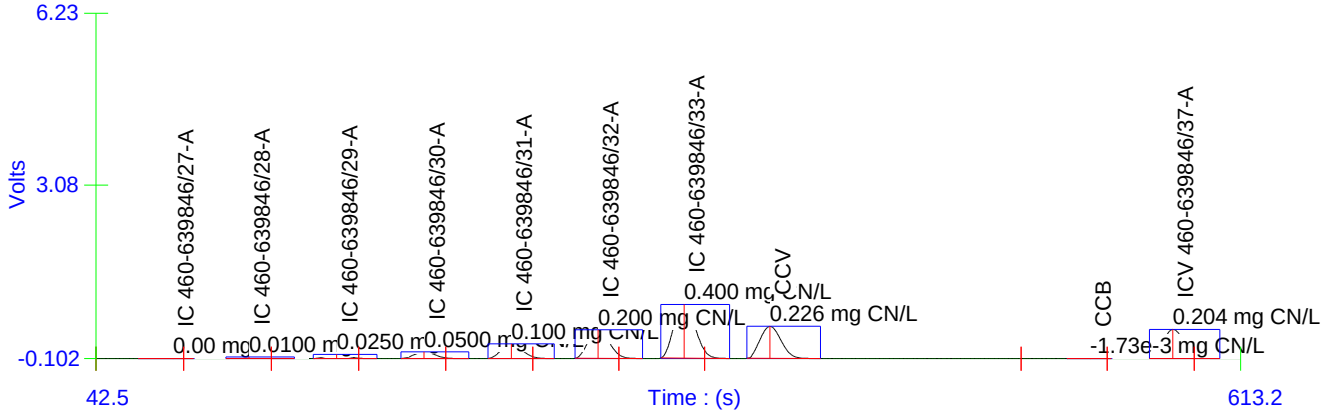
Original Run Filename: OM_9-17-2019_03-57-50PM.OMN Created: 9/17/2019 3:57:50 PM
Original Run Author's Signature: [EdiLachat]
Current Run Filename: OM_9-17-2019_03-57-50PM.OMN Last Modified: 9/17/2019 5:22:12 PM
Current Run Author's Signature: [EdiLachat]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg CN/L)	Channel 1 Cyanide Area (V.s)	Detection Time
IC 460-639846/27-A	1	1	0.00	0.0242	9/17/2019@3:58:44 PM
IC 460-639846/28-A	1	2	0.0100	0.398	9/17/2019@3:59:37 PM
IC 460-639846/29-A	1	3	0.0250	0.921	9/17/2019@4:00:30 PM
IC 460-639846/30-A	1	4	0.0500	1.45	9/17/2019@4:01:23 PM
IC 460-639846/31-A	1	5	0.100	3.24	9/17/2019@4:02:16 PM
IC 460-639846/32-A	1	6	0.200	6.39	9/17/2019@4:03:09 PM
IC 460-639846/33-A	1	7	0.400	12.2	9/17/2019@4:04:01 PM
CCV	1	S8	0.226	7.05	9/17/2019@4:04:53 PM
Known Conc:			0.200		
DQM Test: > + Percent Relative Difference					
Result:			13.1 > 10.0		
Message			Fail		
Action			User Decides		
DQM Test: < - Percent Relative Difference					
Result:			13.1 > -10.0		
Message			CCV Passed		
Action			Continue		
Calibration:			Table/Fig. : 1		
CCB	1	S9	-1.73e-3	9.83e-3	9/17/2019@4:08:05 PM
Known Conc:			0.00		
ICV 460-639846/37-A	1	8	0.204	6.38	9/17/2019@4:08:57 PM
ICB	1	9	-3.03e-3	-0.0304	9/17/2019@4:09:49 PM
MB 460-639846/1-A	1	10	-9.72e-4	0.0332	9/17/2019@4:10:41 PM
LCS 460-639846/2-A	1	11	0.104	3.26	9/17/2019@4:11:33 PM
460-191351-D-2-A	1	12	-1.17e-3	0.0272	9/17/2019@4:12:25 PM
460-191351-D-2-B MS	1	13	0.234	7.28	9/17/2019@4:13:17 PM
460-191351-D	1	14	0.228	7.11	9/17/2019@4:14:09 PM
460-191351-D-3-A	1	15	-5.99e-4	0.0447	9/17/2019@4:15:00 PM
460-191351-D-4-A	1	16	2.23e-3	0.132	9/17/2019@4:15:54 PM
460-191351-D-5-A	1	17	-4.65e-4	0.0489	9/17/2019@4:16:46 PM
CCV	1	S8	0.229	7.13	9/17/2019@4:17:38 PM
Known Conc:			0.200		
DQM Test: > + Percent Relative Difference					
Result:			14.5 > 10.0		
Message			Fail		
Action			User Decides		
DQM Test: < - Percent Relative Difference					
Result:			14.5 > -10.0		
Message			CCV Passed		
Action			Continue		
CCB	1	S9	-1.53e-3	0.0159	9/17/2019@4:20:17 PM
Known Conc:			0.00		
460-191351-D-6-A	1	18	-2.50e-4	0.0555	9/17/2019@4:21:10 PM
460-191351-D-7-A	1	19	0.0119	0.432	9/17/2019@4:22:03 PM
460-191351-D-8-A	1	20	2.45e-3	0.139	9/17/2019@4:22:56 PM
460-191351-D-9-A	1	21	-1.50e-3	0.0168	9/17/2019@4:23:48 PM
460-191351-D-10-A	1	22	-1.73e-3	9.70e-3	9/17/2019@4:24:40 PM
460-191351-D-11-A	1	23	-1.17e-4	0.0596	9/17/2019@4:25:32 PM
460-191351-D-12-A	1	24	-7.51e-4	0.0400	9/17/2019@4:26:24 PM
460-191351-D-12-B MS	1	25	0.225	7.03	9/17/2019@4:27:17 PM
460-191351-D-12-C MSD	1	26	0.225	7.01	9/17/2019@4:28:09 PM
460-191351-D-13-A	1	27	0.118	3.71	9/17/2019@4:29:00 PM
CCV	1	S8	0.229	7.14	9/17/2019@4:29:52 PM
Known Conc:			0.200		
DQM Test: > + Percent Relative Difference					
Result:			14.5 > 10.0		
Message			Fail		
Action			User Decides		

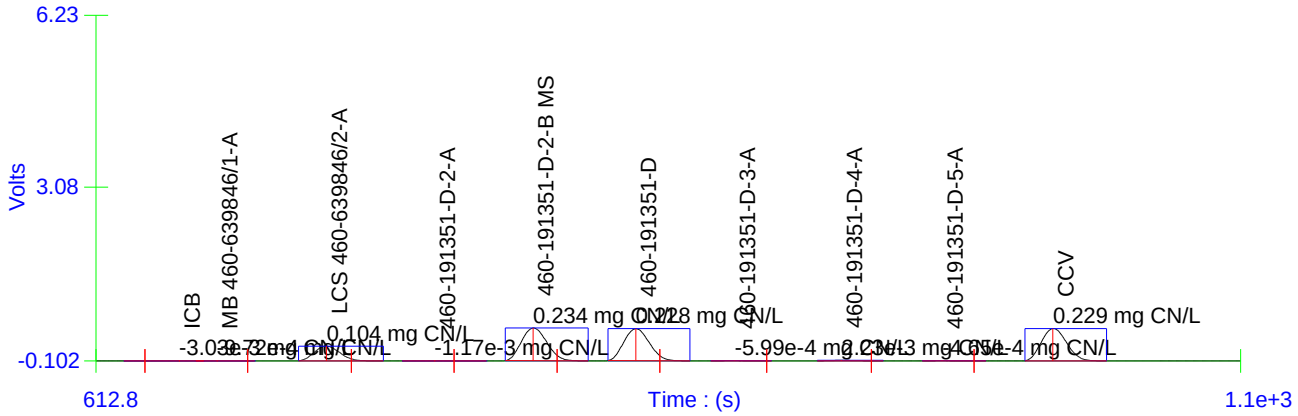
DQM Test: < - Percent Relative Difference					
		Result:	14.5 > -10.0		
		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.56e-3	0.0149	9/17/2019@4:32:38 PM
		Known Conc:	0.00		
460-191068-E-1-A	1	28	1.12e-3	0.0979	9/17/2019@4:33:30 PM
460-191068-E-2-A	1	29	1.64e-3	0.114	9/17/2019@4:34:21 PM
460-191213-D-3-A	1	30	-1.72e-3	9.98e-3	9/17/2019@4:35:13 PM
460-191213-D-4-A	1	31	-2.55e-3	-0.0155	9/17/2019@4:36:06 PM
460-191213-D-5-A	1	32	-3.57e-3	-0.0469	9/17/2019@4:36:59 PM
460-191313-A-1-A	1	33	1.93	59.8	9/17/2019@4:37:52 PM
460-191351-D-1-A	1	34	3.06e-3	0.158	9/17/2019@4:38:45 PM
460-191068-E-3-A	1	35	5.62e-4	0.0806	9/17/2019@4:39:38 PM
MB 460-639841/1-A	1	36	-4.39e-4	0.0497	9/17/2019@4:40:31 PM
LCSSRM 460-639841/2-A@20	1	37	0.131	4.11	9/17/2019@4:41:23 PM
CCV	1	S8	0.229	7.14	9/17/2019@4:42:15 PM
		Known Conc:	0.200		
DQM Test: > + Percent Relative Difference					
		Result:	14.6 > 10.0		
		Message	Fail		
		Action	User Decides		
DQM Test: < - Percent Relative Difference					
		Result:	14.6 > -10.0		
		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.68e-3	0.0114	9/17/2019@4:45:07 PM
		Known Conc:	0.00		
460-191281-A-6-H	1	38	1.40e-3	0.106	9/17/2019@4:45:59 PM
460-191281-A-6-I MS	1	39	0.220	6.85	9/17/2019@4:46:51 PM
460-191281-A-6-J MSD	1	40	0.238	7.43	9/17/2019@4:47:43 PM
460-191281-A-12-H	1	41	-3.99e-3	-0.0599	9/17/2019@4:48:35 PM
460-191281-A-18-H	1	42	-3.73e-3	-0.0521	9/17/2019@4:49:27 PM
460-191281-A-24-H	1	43	4.76e-3	0.210	9/17/2019@4:50:18 PM
460-191226-B-2-E	1	44	-2.12e-3	-2.24e-3	9/17/2019@4:51:10 PM
460-191244-A-1-P	1	45	4.55e-3	0.204	9/17/2019@4:52:02 PM
460-191244-A-2-P	1	46	2.63e-3	0.145	9/17/2019@4:52:55 PM
460-191244-A-3-P	1	47	8.04e-3	0.312	9/17/2019@4:53:48 PM
CCV	1	S8	0.229	7.13	9/17/2019@4:54:40 PM
		Known Conc:	0.200		
DQM Test: > + Percent Relative Difference					
		Result:	14.4 > 10.0		
		Message	Fail		
		Action	User Decides		
DQM Test: < - Percent Relative Difference					
		Result:	14.4 > -10.0		
		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.52e-3	0.0162	9/17/2019@4:57:35 PM
		Known Conc:	0.00		
460-190610-E-3-H	1	48	1.36e-3	0.105	9/17/2019@4:58:27 PM
460-190610-E-9-F	1	49	2.33e-3	0.135	9/17/2019@4:59:20 PM
460-190610-E-10-F	1	50	1.05e-3	0.0956	9/17/2019@5:00:13 PM
460-190610-E-10-G MS	1	51	0.235	7.31	9/17/2019@5:01:05 PM
460-190610-E-10-H MSD	1	52	0.230	7.18	9/17/2019@5:01:58 PM
460-190610-E-11-F	1	53	3.35e-3	0.167	9/17/2019@5:02:50 PM
460-190610-E-12-F	1	54	8.90e-4	0.0907	9/17/2019@5:03:42 PM
460-191066-F-1-F	1	55	6.74e-4	0.0841	9/17/2019@5:04:34 PM
460-191228-A-1-G	1	56	1.23e-4	0.0671	9/17/2019@5:05:26 PM
460-191313-A-1-A@10	1	57	0.456	14.2	9/17/2019@5:06:18 PM
CCV	1	S8	0.229	7.14	9/17/2019@5:07:10 PM
		Known Conc:	0.200		
DQM Test: > + Percent Relative Difference					
		Result:	14.5 > 10.0		
		Message	Fail		
		Action	User Decides		
DQM Test: < - Percent Relative Difference					
		Result:	14.5 > -10.0		

		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-5.12e-3	-0.0948	9/17/2019@5:09:49 PM
		Known Conc:	0.00		
460-191228-A-7-G	1	58	-3.52e-3	-0.0453	9/17/2019@5:10:41 PM
460-191228-A-10-J	1	59	4.73e-5	0.0647	9/17/2019@5:11:33 PM
460-191228-A-13-G	1	60	1.36e-3	0.105	9/17/2019@5:12:25 PM
460-191228-A-16-G	1	61	2.03e-3	0.126	9/17/2019@5:13:18 PM
460-191228-A-4-G	1	62	-2.81e-4	0.0546	9/17/2019@5:15:56 PM
460-191313-A-1-A@20	1	63	0.247	7.70	9/17/2019@5:16:49 PM
CCV	1	S8	0.231	7.20	9/17/2019@5:17:41 PM
		Known Conc:	0.200		
DQM Test: > + Percent Relative Difference					
		Result:	15.4 > 10.0		
		Message	Fail		
		Action	User Decides		
DQM Test: < - Percent Relative Difference					
		Result:	15.4 > -10.0		
		Message	CCV Passed		
		Action	Continue		
CCB	1	S9	-1.41e-3	0.0198	9/17/2019@5:20:26 PM
		Known Conc:	0.00		

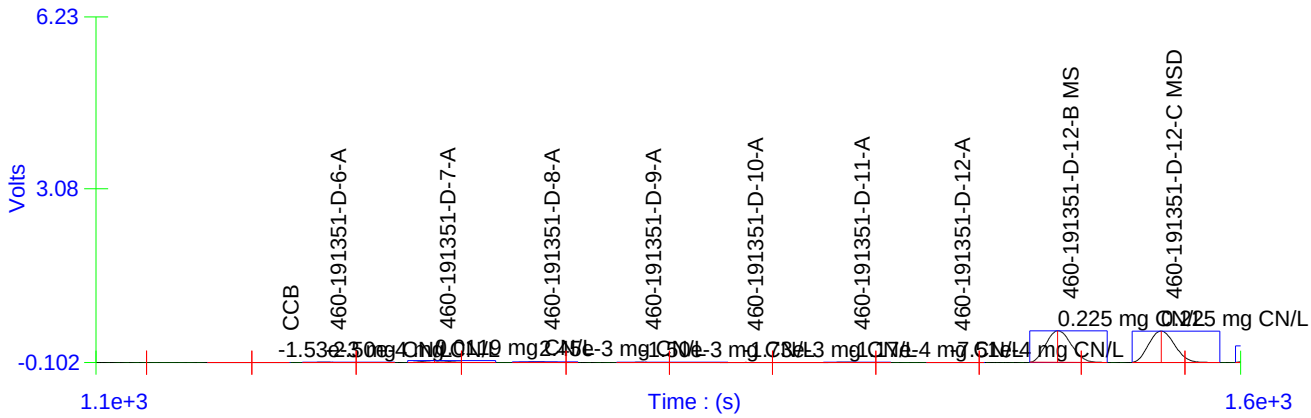
Channel 1 (Cyanide) - Set: 1 / 8



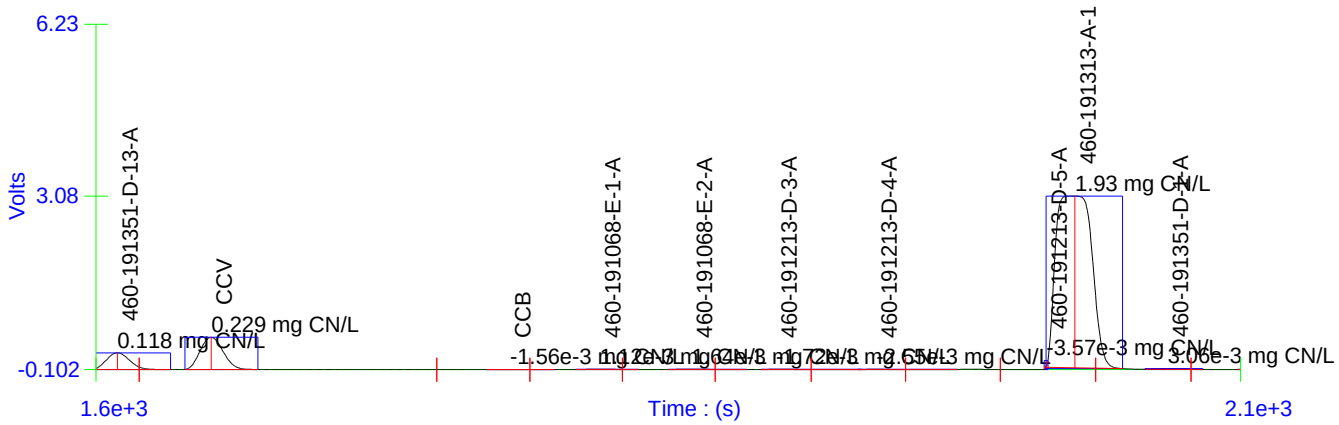
Channel 1 (Cyanide) - Set: 2 / 8



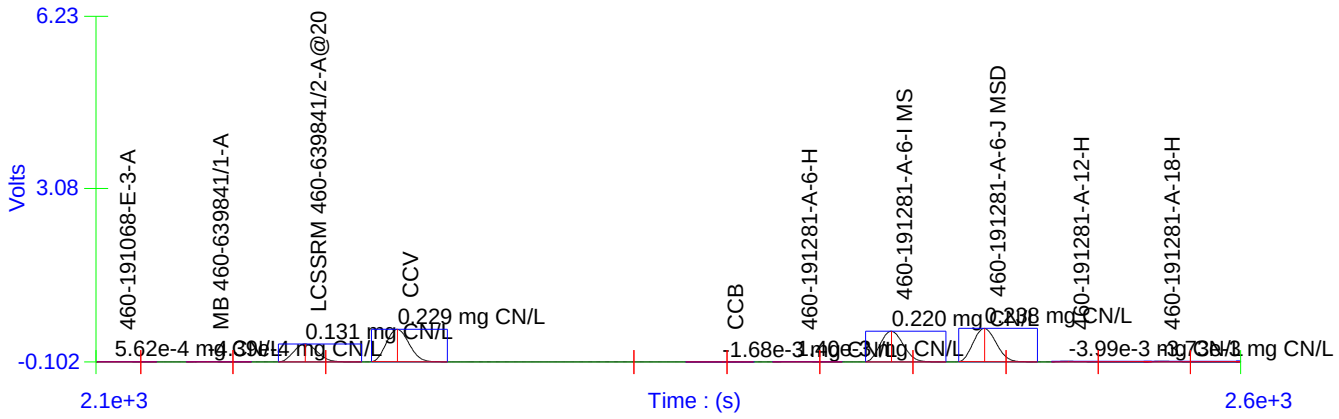
Channel 1 (Cyanide) - Set: 3 / 8



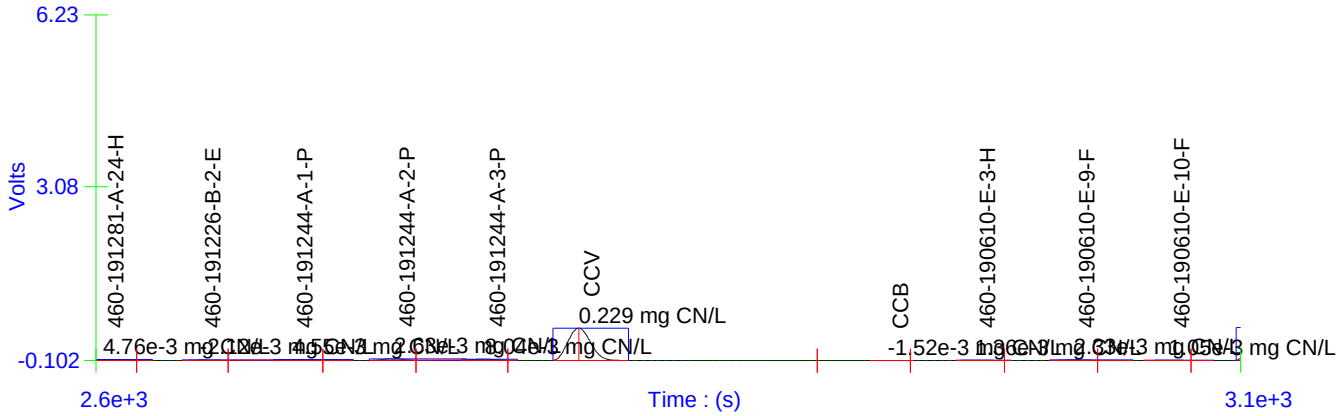
Channel 1 (Cyanide) - Set: 4 / 8



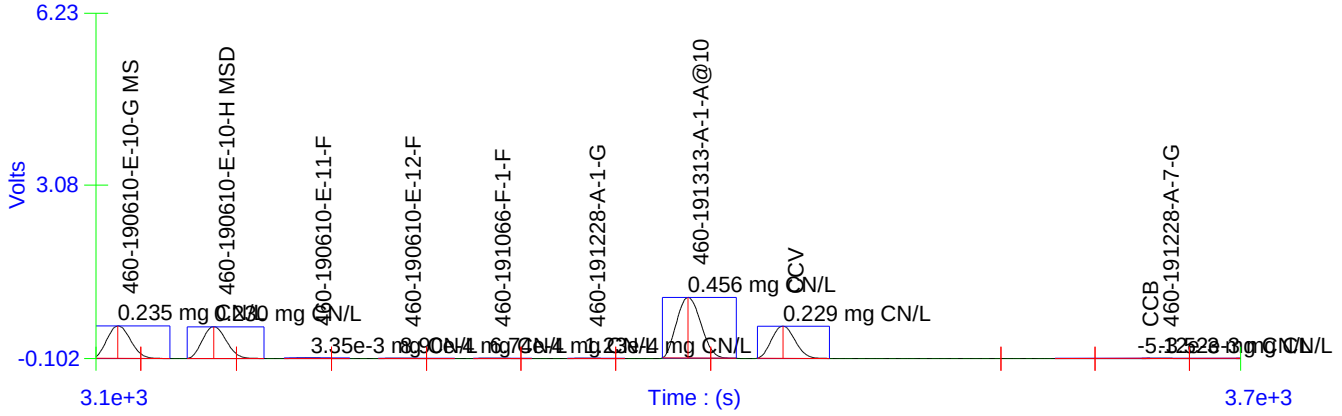
Channel 1 (Cyanide) - Set: 5 / 8



Channel 1 (Cyanide) - Set: 6 / 8



Channel 1 (Cyanide) - Set: 7 / 8



Channel 1 (Cyanide) - Set: 8 / 8

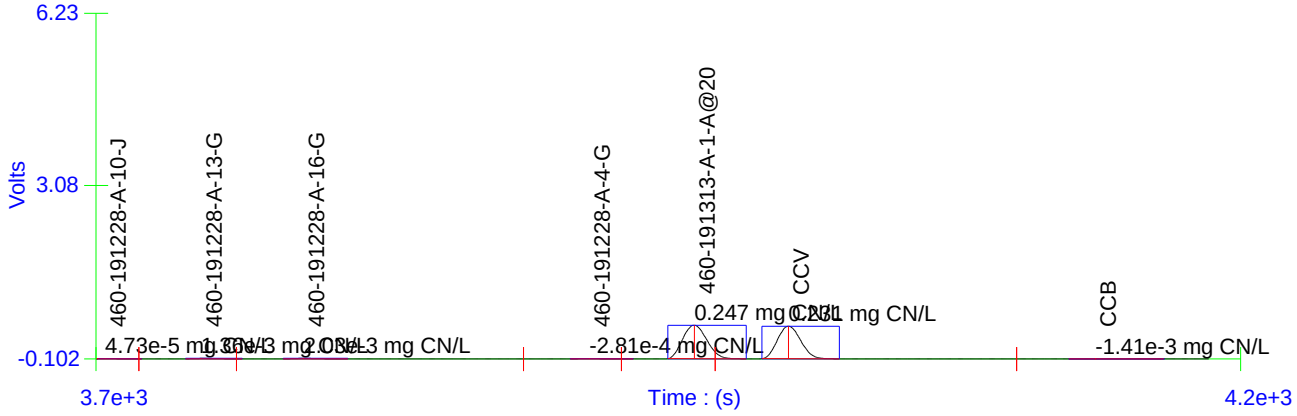
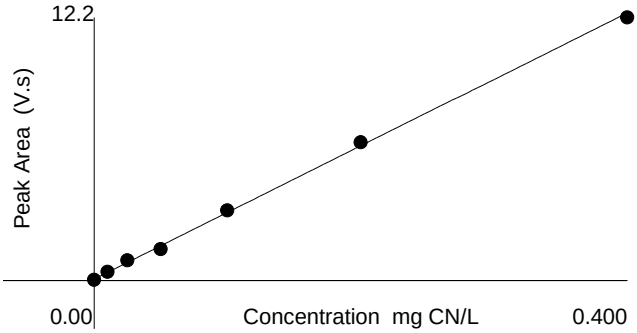


Table : 1 (Cyanide)

	Known Conc. (mg CN/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg CN/L)	Detection Date	Detection Time
1	0.400	1	12.2	0.985	0.0	1.7	0.392	9/17/2019	4:04:01 PM
2	0.200	1	6.39	0.527	0.0	-2.7	0.205	9/17/2019	4:03:09 PM
3	0.100	1	3.24	0.266	0.0	-2.9	0.103	9/17/2019	4:02:16 PM
4	0.0500	1	1.45	0.121	0.0	9.8	0.0449	9/17/2019	4:01:23 PM
5	0.0250	1	0.921	0.0768	0.0	-10.3	0.0278	9/17/2019	4:00:30 PM
6	0.0100	1	0.398	0.0322	0.0	-6.8	0.0108	9/17/2019	3:59:37 PM
7	0.00	1	0.0242	1.53e-3			-1.26e-3	9/17/2019	3:58:44 PM

Figure : 1 (Cyanide)



Area = 30.8 * Conc + 0.0647
Conc = 0.0324 * Area - 2.05e-3
Correlation Coefficient (r) = 0.99976

Weighting : 1/x

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639846 Batch Start Date: 09/17/19 08:08 Batch Analyst: Esteban, Maria

Batch Method: 9012B Batch End Date: 09/17/19 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SulfideCheck	ChlorineCheck	WTcn6ppm_ICV 00350	WTcn6ppm_Pri 00368
MB 460-639846/1		9012B, 9012B		6 mL	6 mL				
LCS 460-639846/2		9012B, 9012B		6 mL	6 mL				
460-191351-D-2	MW-17D 091019	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-2 MS	MW-17D 091019	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-2 MSD	MW-17D 091019	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-3	DUP	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-4	MW-2 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-5	MW-2I 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-6	MW-46I 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-7	MW-40D 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-8	TW-2S 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-9	MW-38D 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-10	MW-38I 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-11	MW-36I 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-12	MW-36D 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-12 MS	MW-36D 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-12 MSD	MW-36D 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-13	MW-17 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
460-191351-D-1	MW-171 091119	9012B, 9012B	T	6 mL	6 mL	N	N		
CCV 460-639846/36		9012B, 9012B		6 mL	6 mL	N	N		0.2 mL
ICV 460-639846/37		9012B, 9012B		6 mL	6 mL	N	N	0.2 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	WTcnCmplex-IM 00377					
MB 460-639846/1		9012B, 9012B							
LCS 460-639846/2		9012B, 9012B		0.1 mL					
460-191351-D-2	MW-17D 091019	9012B, 9012B	T						

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 BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639846 Batch Start Date: 09/17/19 08:08 Batch Analyst: Esteban, Maria

Batch Method: 9012B Batch End Date: 09/17/19 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	WTcnCmplex-IM 00377					
460-191351-D-2 MS	MW-17D 091019	9012B, 9012B	T	0.2 mL					
460-191351-D-2 MSD	MW-17D 091019	9012B, 9012B	T	0.2 mL					
460-191351-D-3	DUP	9012B, 9012B	T						
460-191351-D-4	MW-2 091119	9012B, 9012B	T						
460-191351-D-5	MW-2I 091119	9012B, 9012B	T						
460-191351-D-6	MW-46I 091119	9012B, 9012B	T						
460-191351-D-7	MW-40D 091119	9012B, 9012B	T						
460-191351-D-8	TW-2S 091119	9012B, 9012B	T						
460-191351-D-9	MW-38D 091119	9012B, 9012B	T						
460-191351-D-10	MW-38I 091119	9012B, 9012B	T						
460-191351-D-11	MW-36I 091119	9012B, 9012B	T						
460-191351-D-12	MW-36D 091119	9012B, 9012B	T						
460-191351-D-12 MS	MW-36D 091119	9012B, 9012B	T	0.2 mL					
460-191351-D-12 MSD	MW-36D 091119	9012B, 9012B	T	0.2 mL					
460-191351-D-13	MW-17 091119	9012B, 9012B	T						
460-191351-D-1	MW-171 091119	9012B, 9012B	T						
CCV 460-639846/36		9012B, 9012B							
ICV 460-639846/37		9012B, 9012B							

Batch Notes	
Distillation End Time	09/17/2019 13:30
Distillation Start Time	09/17/2019 13:00
Distillation Temperature	120 Degrees C
Sodium Hydroxide ID	C-8348-19 exp. 02/17/20
Pipette/Syringe/Dispenser ID	P-91/P-92
Sulfamic Acid ID	C-8390-19 exp. 02/28/20
Sulfuric Acid Reagent ID Number	C-8425-19 exp. 03/11/20

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 BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Batch Number: 639846 Batch Start Date: 09/17/19 08:08 Batch Analyst: Esteban, Maria

Batch Method: 9012B Batch End Date: 09/17/19 13:30

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

Chain of Custody Record

383537

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Reeti Dosni	Site Contact:	Date: 09/11/19	COC No:
Company Name: AECOM	Tel/Email: reeti.dosni@aecom	Lab Contact:	Carrier: FedEx	1 of 2 COCs
Address: 40 British American Blvd	Analysis Turnaround Time			Sampler:
City/State/Zip: Latham NY 12110	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 518 9254951	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: NYSEG Mechanicville	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO# 60546118	☐ 1 day			

STANDARD TAT

191351

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270D SVOCs	8270C VOCs	9012B-Cyanide	Sample Specific Notes:
MW-171 091019	09/10/19	1506	G	GW	6	N	N	X	X	X	1
MW-170 091019	↓	1505	↓	↓	↓		Y	X	X	X	2
MS/MSD	—	—			12		N	X	X	X	2
DUP	—	—						X	X	X	3
MW-2 091119	09/11/19	0840						X	X	X	4
MW-2I 091119		0850						X	X	X	5
MW-46I 091119		1005						X	X	X	6
MW-40D 091119		1145						X	X	X	7
TW-2S 091119		1020						X	X	X	8
MW-38D 091119		1305						X	X	X	9
MW-38I 091119		1305						X	X	X	10
MW-36I 091119	↓	1435	↓	↓	↓	↓	↓	X	X	X	11

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Cat B report

Custody Seals Intact: ☑ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AECOM	9/11/19 1800			
Relinquished by: FedEx	Company:	Date/Time: 9/12/19	Received by: [signature]	Company: TA Edison	Date/Time: 9/12/19 934
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

CS#1131492, 1121492 2 4 4 C°C TP#9

460-191351 Chain of Custody

Chain of Custody Record

383538

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name:	Tel/Email:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip: Seepage	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ STANDARD ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name:				Job / SDG No.:
Site:				
P O #				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270D SVOC	8260C VOCs	6012B Cyanide	Sample Specific Notes:
MW-36D 091119	09/11/19		G	GW	6	N	N	XX	X		12
MW-17 091119	↓		↓	↓	6	N	N	XX	XX		13
											191351

(AG)

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
CAT B

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AECOM	09/11/19 1000			
Fed EX		9/12/19 934	[signature]	FX Edison	9/12/19 934
			Received in Laboratory by:		

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TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 191359

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.6 °C	4.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	3.4 °C	3.4 °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
1												>12			
212ms/2ms0												>12			
3												>12			
4												>12			
5												>12			
6												>12			
7												>12			
8												>12			
9												>12			
10												>12			
11												>12			
12												>12			
13												>12			

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: SV **Date:** 9/12/19

Login Sample Receipt Checklist

Client: AECOM

Job Number: 460-191351-1

Login Number: 191351
List Number: 1
Creator: Villanueva, Angelica P

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	1131492, 1131493
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.	False	Received Trip Blank(s) not listed on COC.
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.	False	No date or time on COC, logged in per container labels.
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	

ATTACHMENT 4
DATA VALIDATION REPORT

AECOM
707 Grant Street
Pittsburgh, PA 15219
aecom.com

Project name:
Mechanicville NY MGP

Project ref:
60546118-12

To:
Reeti Doshi
AECOM
125 Broad Street, Suite 1500
New York, NY 10004

From:
Gregory A. Malzone

Date:
December 16, 2019

CC:

Data Assessment Memorandum

Subject: NYSEG/Mechanicville NY September 2019 Groundwater Data Assessment

Overview

A data assessment was performed on two data packages from Eurofins Environment Testing TestAmerica, 777 New Durham Road, Edison, NJ, 08817. The groundwater samples were collected on September 10-12, 2019 at the NYSEG Mechanicville, NY manufactured gas plant (MGP) site. The laboratory processed the samples and reported the results under job ID numbers 460-191322-1 and 460-191351-1.

The following analytical methods were requested on the chain-of-custody (CoC) record.

- Method SW-846 8260C – Volatile Organic Compounds (VOCs) by Gas Chromatography/Mass Spectrometry (GC/MS)
- Method SW-846 8270D - Semivolatile Organic Compounds (SVOCs) by GC/MS
- Method SW-846 9012B – Total Cyanide

The data were evaluated for conformance to method specifications and qualifiers were applied using the USEPA Region II SOPs and the validation criteria set forth in the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review*, EPA-540-R-2017-002, January 2017 and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA-540-R-2017-001, January 2017, as they apply to the analytical methods employed.

Field duplicate relative percent difference (RPD) review and applicable control limits were taken from the *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, December 1996 and *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses*, June 1988.

Review Elements

The following elements of the data report were reviewed.

- Agreement of analyses conducted with chain-of-custody requests
- Holding times/sample preservation
- Method preparation blanks and trip blank results
- GC/MS hardware tunes and daily performance checks
- Initial and continuing calibrations

- GC/MS internal standard area counts
- Laboratory control sample (LCS) results
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Surrogate recoveries
- Compound identification and quantitation
- Field duplicate precision

Samples

Fourteen groundwater samples, one field duplicate collected at MW-17D-091019 and two trip blanks were submitted for analysis by the methods listed above. Sample MW-17D-091019 was designated in the field to be processed as the quality control sample, that is, as the MS/MSD.

The samples included in this review are listed in Table 1below.

Table 1
NYSEG/Mechanicville MGP Site – September 2019 Sample Submittals

Field ID	Matrix	Date Sampled	Laboratory ID
MW-17I-091019	Groundwater	09/10/2019	460-191351-1
MW-17D-091019	Groundwater	09/10/2019	460-191351-2
DUP-091019	Groundwater (QC)	09/10/2019	460-191351-3
MW-2-091119	Groundwater	09/11/2019	460-191351-4
MW-2I-091119	Groundwater	09/11/2019	460-191351-5
MW-46I-091119	Groundwater	09/11/2019	460-191351-6
MW-40D-091119	Groundwater	09/11/2019	460-191351-7
TW-2S-091119	Groundwater	09/11/2019	460-191351-8
MW-38D-091119	Groundwater	09/11/2019	460-191351-9
MW-38I-091119	Groundwater	09/11/2019	460-191351-10
MW-36I-091119	Groundwater	09/11/2019	460-191351-11
MW-36D-091119	Groundwater	09/11/2019	460-191351-12
MW-17-091119	Groundwater	09/11/2019	460-191351-13
TB-091119[1]	Aqueous (QC)	09/11/2019	460-191351-14
MW-39D-091219	Groundwater	09/12/2019	460-191322-1
MW-20D-091219	Groundwater	09/12/2019	460-191322-2
TB-091219[1]	Aqueous (QC)	09/12/2019	460-191322-3

(1): The trip blank was analyzed for volatile organics only.

DISCUSSION

Agreement of Analyses Conducted with CoC Requests

Sample reports were checked to verify that the results corresponded to analytical requests as designated on the CoC. The following discrepancies were noted.

- The trip blanks, TB-091119 and TB-091219, were submitted with the sample shipments, but were not recorded on the CoC. Label information was used to log in the trip blanks and assign the volatiles analysis.
- Sample MW-17I-091019 was inadvertently listed as “MW-17**1**-091**1**19” on the CoC. The sampler confirmed that that the sample at MW-17I was collected on 09/10/19. The sample ID was revised in the database.

- Sample MW-39D-091219 was inadvertently listed as “MW3D-091219” on the CoC. The sample ID was revised in the database.

Holding Times and Preservation

All samples were analyzed within the holding times required by the methods.

The sample shipments were received on ice, intact, with the proper chemical preservation, and in good condition.

The cooler temperatures were 1.6, 3.4 and 4.6 degrees Celsius (°C) upon receipt at the laboratory, which were within the optimal range of just above freezing to 6° C. No samples were observed to be broken or frozen. No data qualifications were required.

Laboratory and Trip Blanks

No target compounds were detected at concentrations exceeding the method detection limits (MDLs) in the laboratory method blanks or the trip blanks.

GC/MS Hardware Tunes and Daily Performance Checks

All GC/MS volatile and semivolatile hardware tunes and daily performance checks were within the method specification limits.

Initial and Continuing Calibrations

All initial and continuing calibrations were within the method specification limits with the following exceptions.

VOCs by 8260C: The continuing calibration percent differences (%Ds) for dichlorodifluoromethane were less than the lower method specification limit of -20%, on 09/16/19 at 07:06 and on 09/17/19 at 07:11 on instrument CVOAMS13. All project samples were affected. All dichlorodifluoromethane results were non-detect and were qualified “UJ,” as estimates, because of low instrument bias.

The continuing calibration %D for 1,1,2-trichloro-1,2,2-trifluoroethane was less than the lower method specification limit of -20%, on 09/16/19 at 07:06 on instrument CVOAMS13. The 1,1,2-trichloro-1,2,2-trifluoroethane results for associated samples MW-2I-091119, MW-46I-091119, MW-40D-091119, TW-2S-091119, MW-38D-091119, MW-38I-091119 and MW-36I-091119 were non-detect and were qualified “UJ,” as estimates, because of low instrument bias.

Semivolatiles by 8270D: The continuing calibration %D for benzo(g,h,i)perylene was less than the lower method specification limit of -20%, at -21.8% on 09/16/19 at 19:19 on instrument CBNAMS16. The benzo(g,h,i)perylene results for associated samples MW-17I-091019, DUP-091019, MW-2-091119, MW-2I-091119, MW-46I-091119, MW-40D-091119, TW-2S-091119, MW-38D-091119, MW-38I-091119, MW-36I-091119, MW-36D-091119, MW-17-091119, MW-39D-091219 and MW-20D-091219 were non-detect and were qualified “UJ,” as estimates, because of low instrument bias.

The continuing calibration %D for caprolactam was greater than the upper method specification limit of 20%, at 25.5% on 09/15/19 at 18:21 on instrument CBNAMS16. The caprolactam results for associated samples MW-39D-091219 and MW-20D-091219 were non-detect and did not require qualification in response to the high instrument bias.

GC/MS Internal Standard Area Counts

The GC/MS volatile and semivolatile internal standard area counts were within the method specification limits for all project samples.

Laboratory Control Samples (LCS)

Laboratory control sample recoveries were within the laboratory quality control limits with the following exceptions.

Semivolatiles by 8270D: The LCS/LCSD (460-639442/2-A and 3-A) recoveries for benzo(b)fluoranthene were 82% and 77%. The LCSD recovery was less than the lower quality control limit of 78%. The benzo(b)fluoranthene results for associated samples MW-39D-091219 and MW-20D-091219 were non-detect and were qualified "UJ," as estimates, because of low method bias.

The LCS/LCSD (460-639610/2-A and 3-A) recoveries for benzo(b)fluoranthene were 75% and 78%. The LCS recovery was less than the lower quality control limit of 78%. The positive and non-detect benzo(b)fluoranthene results for associated samples MW-17I-091019, DUP-091019, MW-2-091119, MW-2I-091119, MW-46I-091119, MW-40D-091119, TW-2S-091119, MW-38D-091119, MW-38I-091119, MW-36I-091119, MW-36D-091119, MW-17-091119, MW-39D-091219 and MW-20D-091219 and were qualified "J/UJ," as estimates, because of low method bias. The LCSD recovery for benzo(g,h,i)perylene was also less than the lower quality control limit. The associated benzo(g,h,i)perylene samples were already qualified in response to a continuing calibration %D outlier indicating low instrument bias. No further data qualifications were necessary.

The RPDs between the LCS/LCSD (460-639610/2-A and 3-A) recoveries for caprolactam and atrazine were greater than the maximum quality control limits. The caprolactam and atrazine LCS and LCSD recoveries were within the quality control limits. Caprolactam and atrazine were not detected in associated samples MW-17I-091019, DUP-091019, MW-2-091119, MW-2I-091119, MW-46I-091119, MW-40D-091119, TW-2S-091119, MW-38D-091119, MW-38I-091119, MW-36I-091119, MW-36D-091119, MW-17-091119, MW-39D-091219 and MW-20D-091219. No data qualification was required.

Matrix Spike/Matrix Spike Duplicates (MS/MSD) and Relative Percent Differences (RPDs)

Matrix spike and matrix spike duplicates that were performed on non-project samples were not evaluated because matrix similarity to project samples could not be assumed.

Sample MW-17D-091019 was designated in the field to be processed as the quality control sample, that is, as the MS/MSD.

The MW-17D-091019 MS/MSD recoveries and RPDs were within the advisory limits with the following exceptions.

VOCs by 8260C: MW-17D-091019 MSD recovery for 1,1-dichloroethane was greater than the upper advisory limit. 1,1-dichloroethane was not detected in sample MW-17D-091019. No data qualification was required in response to the high bias due to matrix effects.

Semivolatiles by 8270D: The RPD between the MW-17D-091019 MS and MSD recoveries for 2,4-dinitrophenol was greater than the upper advisory limit. The MW-17D-091019 MS/MSD recoveries for 2,4-dinitrophenol were within the advisory limits. 2,4-Dinitrophenol was not detected in sample MW-17D-091019. No data qualification was required.

Total Cyanide by 9012B: The MW-17D-091019 MS/MSD and MW-36D-091119 MS/MSD recoveries for total cyanide were greater than the upper laboratory advisory limit of 110%. All project samples were affected. The positive total cyanide results for samples MW-40D-091119 and MW-17-091119 were positive and were qualified "J+," because of high bias due to matrix effects and/or high method bias.

Surrogate Recoveries

All surrogate recoveries were within the laboratory quality control limits.

Compound Identification and Quantitation

All analytical results were reported to the MDLs. VOC and SVOC sample results were reported in µg/L (ppb). The total cyanide results were report in mg/L (ppm).

Positive results less than the reporting limit (i.e., practical quantitation limit), but greater than the MDL were qualified "J," as estimated concentrations, due to increased uncertainty near the detection limit. These "J" qualifiers were maintained in this data assessment. Sample results reported between the MDL and reporting limit are usable as estimated values with an unknown directional bias.

Field Duplicate Precision

A field duplicate sample was collected for sample MW-17D-091019. Field duplicate results were evaluated using the following criteria.

Organics: The RPD must be ≤ 30% for results greater than or equal to two times the reporting limit. If one of the results is non-detect or less than two times the reporting limit, and the duplicate is greater than two times the reporting limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Action applies only to the affected analyte in the organic duplicate sample pair.

Inorganics: The RPD must be ≤ 30% for results greater than or equal to five times the reporting limit. For results less than five times the reporting limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Action applies to the affected analyte in all inorganic samples of the same matrix prepared and analyzed by the same method.

Table 2
NYSEG/Mechanicville MGP Site – Field Duplicate Precision

Parameter	Method	Units	MW-17D-091019	DUP-091019	RPD (%)	Qualifier
All parent and field duplicate sample results were non-detect.						

Field sampling/laboratory precision and sample homogeneity were acceptable. No data qualifications were required.

Summary

In general, the data results are valid as reported and may be used for decision making purposes. Sample data were qualified with either a "J" (estimated), J+ (estimated, biased high) or "UJ" (the analyte was not detected; however, the reported quantitation limit is approximate and may be inaccurate or imprecise). See Table 3 below for the qualified analytical results. Support documentation for the data qualifications is attached.

Table 3
NYSEG/Mechanicville MGP Site – Qualified Analytical Data

Sample ID	SGS ID	Method	Analyte	Lab Result	Lab Qual	Validated Result	Validation Qualifier[1]	Units	Reason Codes[2]
MW-17I-091019	460-191351-1	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-17I-091019	460-191351-1	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
MW-17I-091019	460-191351-1	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-17D-091019	460-191351-2	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV

Sample ID	SGS ID	Method	Analyte	Lab Result	Lab Qual	Validated Result	Validation Qualifier[1]	Units	Reason Codes[2]
DUP-091019	460-191351-3	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
DUP-091019	460-191351-3	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
DUP-091019	460-191351-3	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-2-091119	460-191351-4	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-2-091119	460-191351-4	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
MW-2-091119	460-191351-4	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-2I-091119	460-191351-5	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-2I-091119	460-191351-5	8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	UJ	µg/L	CCV
MW-2I-091119	460-191351-5	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
MW-2I-091119	460-191351-5	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-46I-091119	460-191351-6	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-46I-091119	460-191351-6	8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	UJ	µg/L	CCV
MW-46I-091119	460-191351-6	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
MW-46I-091119	460-191351-6	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-40D-091119	460-191351-7	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-40D-091119	460-191351-7	9012B	Total Cyanide	0.012		0.012	J+	mg/L	MS
MW-40D-091119	460-191351-7	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-40D-091119	460-191351-7	8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	UJ	µg/L	CCV
MW-40D-091119	460-191351-7	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
TW-2S-091119	460-191351-8	8270D	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
TW-2S-091119	460-191351-8	8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	UJ	µg/L	CCV
TW-2S-091119	460-191351-8	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
TW-2S-091119	460-191351-8	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-38D-091119	460-191351-9	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-38D-091119	460-191351-9	8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	UJ	µg/L	CCV
MW-38D-091119	460-191351-9	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
MW-38D-091119	460-191351-9	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-38- 091119	460-191351-10	8260C	Dichlorodifluoromethane	1.0	U	1.0	U	µg/L	CCV
MW-38I-091119	460-191351-10	8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	U	µg/L	CCV
MW-38I-091119	460-191351-10	8270D	Benzo(b)fluoranthene	1.2	J	1.2	J	µg/L	LCS
MW-38I-091119	460-191351-10	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-36I-091119	460-191351-11	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-36I-091119	460-191351-11	8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	UJ	µg/L	CCV
MW-36I-091119	460-191351-11	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
MW-36I-091119	460-191351-11	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-36D-091119	460-191351-12	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-36D-091119	460-191351-12	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
MW-36D-091119	460-191351-12	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-17-091119	460-191351-13	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-17-091119	460-191351-13	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS

Sample ID	SGS ID	Method	Analyte	Lab Result	Lab Qual	Validated Result	Validation Qualifier[1]	Units	Reason Codes[2]
MW-17-091119	460-191351-13	8270D	Benzo(ghi)perylene	10	U	10	UJ	µg/L	CCV
MW-17-091119	460-191351-13	9012B	Total Cyanide	0.12		0.12	J+	mg/L	MS
TB-091119	460-191351-14	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-39D-091219	460-191322-1	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-39D-091219	460-191322-1	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
MW-20D-091219	460-191322-2	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV
MW-20D-091219	460-191322-2	8270D	Benzo(b)fluoranthene	2.0	U	2.0	UJ	µg/L	LCS
TB-091219	460-191322-3	8260C	Dichlorodifluoromethane	1.0	U	1.0	UJ	µg/L	CCV

[1]: USEPA-defined data validation qualifiers applied in this data assessment:

U: The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J: The associated numerical value is the approximate concentration of the analyte in the sample.

J+: The result is an estimated quantity, likely to be biased high.

UJ: The analyte was not detected; however, the reported sample quantitation limit is approximate and may be inaccurate or imprecise.

[2]: Reason Codes:

CCV: The continuing calibration verification was outside the method specification limits.

LCS: The laboratory control sample recovery was outside the quality control limits.

MS: The matrix spike recovery was greater than the upper advisory limit.

Chain of Custody Record 383537

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Reeti Dosni	Site Contact:	Date: 09/11/19	COC No:
Company Name: AECOM	Tel/Email: reeti.dosni@aecom	Lab Contact:	Carrier: FedEx	1 of 2 COCs
Address: 40 Batson American Blvd	Analysis Turnaround Time			Sampler:
City/State/Zip: Latham NY 12110	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 518 9259451	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day STANDARD TAT			Lab Sampling:
Project Name: NYSEG Mechanicville				Job / SDG No.:
Site:				
PO# 1005461IB				191351

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270D SVOCs	8270C VOCs	9012B - Cyanide	Sample Specific Notes:
MW-~~17I 091919~~ 17I-091019	09/10/19	1506	G	GW	6	N	N	X	X	X	1
MW-17D 091019	↓	1505	↓	↓	↓	Y	Y	X	X	X	2
MS/MSD	—	—			12	N	N	X	X	X	2
DUP	—	—				N	N	X	X	X	3
MW-2 091119	09/11/19	0840						X	X	X	4
MW-2I 091119		0850						X	X	X	5
MW-46I 091119		1005						X	X	X	6
MW-40D 091119		1145						X	X	X	7
TW-2S 091119		1020						X	X	X	8
MW-38D 091119		1305						X	X	X	9
MW-38I 091119		1305						X	X	X	10
MW-36I 091119		1435	↓	↓	↓	↓	↓	X	X	X	11

Preservation Codes: A= HCl B= NaOH C= Zn Acetate D= Nitric Acid E= NaHSO4 F= MeOH G= NaOH H= Ascorbic Acid I= Ice J= DI Water K= EDTA L= EDA M= Hexane N= None O= AsNaO2 P= Na2O3S Q= Na2SO3 R= Na2S2O3 S= H2SO4 T= TSP Dodecahydrate U= Acetone V= MCAA W= pH 4-5 Z= other (specify)

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please Lis any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Cat B report

Custody Seals Intact: ☑ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd. _____ Therm ID No.: _____			
Relinquished by:	Company: AECOM	Date/Time: 9/11/19 1800	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time: 9/12/19	Received by:	Company: TX Edison	Date/Time: 9/12/19 934
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

CS#1121492 . 1121492 7 C 4 cont TOTA

460-191351 Chain of Custody

Chain of Custody Record

383538

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Address:

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name:	Tel/Email:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: Seepg 1	TAT if different from Below			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name:	☐ 1 week STANDARD			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270D SVOC	8260C VOCs	9012B Cyanide	Sample Specific Notes: 191351
MW-36D 091119	09/11/19		G	GW	6	N	N	X	X	X	12
MW-17 091119	↓		↓	↓	6	N	N	X	X	X	13

Ag

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:
CAT B

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AECOM	09/11/19 1800			
[signature] EX		9/12/19 934	[signature]	TX Edison	9/12/19 934
			Received in Laboratory by:		

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 191359

Number of Coolers: 6 IR Gun #: 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.6 °C	4.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	3.4 °C	3.4 °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 OAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1												>12			
2 12ms/ 2ms												>12			
3												>12			
4												>12			
5												12			
6												>12			
7												>12			
8												>12			
9												>12			
10												>12			
11												>12			
12												>12			
13												>12			

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: BV Date: 9/12/19

Login Sample Receipt Checklist

Client: AECOM

Job Number: 460-191351-1

Login Number: 191351
List Number: 1
Creator: Villanueva, Angelica P

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	1131492, 1131493
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.	False	Received Trip Blank(s) not listed on COC.
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.	False	No date or time on COC, logged in per container labels.
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	

Chain of Custody Record

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact		Project Manager: Keeti Doshi	Site Contact:	Date: 9/12/19	COC No:
Company Name: AECOM		Tel/Email:	Lab Contact:	Carrier:	1 of 1 COCs
Address: 40 Bonsn American Blvd		Analysis Turnaround Time			Sampler:
City/State/Zip: Latham NY 12110		☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 518 925 4951		TAT if different from Below _____			Walk-in Client:
Fax:		☐ 2 weeks			Lab Sampling:
Project Name: NYSEG Mechanicville		☐ 1 week STANDARD TAT			
Site:		☐ 2 days			Job / SDG No.: 191322
P O # 60546118		☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	8270D SVOCs	8260C VOCs	9012B-cyanide	Sample Specific Notes:
MW-39D 091219	9/12/19	0825	G	GW	6	N	N	X	X	X	1
MW-20D 091219	↓	1005	↓	↓	↓	↓	↓	X	X	X	2

460-191322 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Cat B Report Req. via fedex

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AECOM	9/12/19 1570	Naomi P	JA Edi	09/13/19 @9:20
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

CS 1121188 16°C IR #9

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 191322

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.6 °C	1.6 °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
1												>12			
2												>12			

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: NS Date: 09/13/19

Login Sample Receipt Checklist

Client: AECOM

Job Number: 460-191322-1

Login Number: 191322
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 #1131488
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.	False	Received Trip Blank(s) not listed on COC.
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	

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639562/2 Calibration Date: 09/16/2019 07:28

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65891.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0463	0.0210		9.08	20.0	-54.6*	20.0
Dichlorodifluoromethane	Ave	0.2776	0.1633	0.1000	11.8	20.0	-41.2*	20.0
1,1-Difluoroethane	Ave	0.1273	0.1067		16.8	20.0	-16.2	20.0
Chlorodifluoromethane	Ave	0.0529	0.0405		15.3	20.0	-23.5*	20.0
Chloromethane	Ave	0.2762	0.3067	0.1000	22.2	20.0	11.1	20.0
Butadiene	Ave	0.3016	0.2574		17.1	20.0	-14.7	20.0
Vinyl chloride	Ave	0.3121	0.3292	0.1000	21.1	20.0	5.5	20.0
Bromomethane	Ave	0.9290	0.8909	0.1000	19.2	20.0	-4.1	50.0
Chloroethane	QuaF		0.2009	0.1000	25.5	20.0	27.3	50.0
Pentane	Qua2		1.427		28.7	40.0	-28.2*	20.0
Trichlorofluoromethane	Ave	0.3129	0.2883	0.1000	18.4	20.0	-7.9	20.0
Dichlorofluoromethane	Ave	0.4343	0.5257		24.2	20.0	21.0*	20.0
2-Methyl-1,3-butadiene	Ave	0.2998	0.2771		18.5	20.0	-7.6	20.0
Ethyl ether	Ave	0.1966	0.2193		22.3	20.0	11.5	20.0
Ethanol	Ave	0.0728	0.0824		905	800	13.1	50.0
1,1-Dichloroethene	Ave	0.1784	0.1700	0.1000	19.1	20.0	-4.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3300	0.2950		17.9	20.0	-10.6	20.0
Carbon disulfide	Ave	0.6788	0.6532	0.1000	19.2	20.0	-3.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1775	0.1406	0.1000	15.8	20.0	-20.8*	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3099	0.2722		17.6	20.0	-12.1	20.0
Iodomethane	QuaF		0.1099		8.62	20.0	-56.9*	20.0
Cyclopentene	Ave	0.5511	0.4519		16.4	20.0	-18.0	20.0
Acrolein	Ave	1.032	1.798		69.7	40.0	74.1*	50.0
Allyl chloride	Ave	0.1272	0.1289		20.3	20.0	1.3	20.0
Isopropyl alcohol	Ave	0.8028	0.8066		201	200	0.5	50.0
Methylene Chloride	Ave	0.2502	0.2461	0.1000	19.7	20.0	-1.6	20.0
Acetone	Ave	0.6382	0.5968	0.0500	93.5	100	-6.5	50.0
trans-1,2-Dichloroethene	Ave	0.2092	0.2190	0.1000	20.9	20.0	4.6	20.0
Methyl acetate	Ave	10.01	9.600	0.1000	38.4	40.0	-4.1	20.0
Hexane	Ave	0.0372	0.0246		13.2	20.0	-33.9*	20.0
Acetonitrile	Ave	1.593	1.529		192	200	-4.0	20.0
Methyl tert-butyl ether	Ave	0.6422	0.6671	0.1000	20.8	20.0	3.9	20.0
2-Methyl-2-propanol	Ave	1.116	1.122		201	200	0.6	50.0
Isopropyl ether	Ave	0.9088	0.8826		19.4	20.0	-2.9	20.0
2-Chloro-1,3-butadiene	Ave	0.1921	0.1902		19.8	20.0	-1.0	20.0
1,1-Dichloroethane	Ave	0.4473	0.4541	0.2000	20.3	20.0	1.5	20.0
Acrylonitrile	Ave	0.0892	0.0960		215	200	7.6	20.0
Tert-butyl ethyl ether	Ave	0.8195	0.9172		22.4	20.0	11.9	20.0
Vinyl acetate	Ave	0.4837	0.6755		55.9	40.0	39.7*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639801/3 Calibration Date: 09/17/2019 08:32

Instrument ID: CVOAMS13 Calib Start Date: 08/23/2019 08:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/23/2019 13:15

Lab File ID: P65920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0055	0.0034		12.5	20.0	-37.5*	20.0
Chlorotrifluoroethene	Ave	0.0463	0.0323		13.9	20.0	-30.4*	20.0
Dichlorodifluoromethane	Ave	0.2776	0.2098	0.1000	15.1	20.0	-24.4*	20.0
1,1-Difluoroethane	Ave	0.1273	0.1103		17.3	20.0	-13.3	20.0
Chlorodifluoromethane	Ave	0.0529	0.0411		15.5	20.0	-22.4*	20.0
Chloromethane	Ave	0.2762	0.2946	0.1000	21.3	20.0	6.7	20.0
Butadiene	Ave	0.3016	0.3357		22.3	20.0	11.3	20.0
Vinyl chloride	Ave	0.3121	0.3637	0.1000	23.3	20.0	16.5	20.0
Bromomethane	Ave	0.9290	0.8782	0.1000	18.9	20.0	-5.5	50.0
Chloroethane	QuaF		0.1853	0.1000	23.4	20.0	17.1	50.0
Pentane	Qua2		1.153		23.0	40.0	-42.5*	20.0
Trichlorofluoromethane	Ave	0.3129	0.3373	0.1000	21.6	20.0	7.8	20.0
Dichlorofluoromethane	Ave	0.4343	0.5191		23.9	20.0	19.5	20.0
2-Methyl-1,3-butadiene	Ave	0.2998	0.2982		19.9	20.0	-0.5	20.0
Ethyl ether	Ave	0.1966	0.2389		24.3	20.0	21.5*	20.0
Ethanol	Ave	0.0728	0.0817		897	800	12.2	50.0
1,1-Dichloroethene	Ave	0.1784	0.1860	0.1000	20.9	20.0	4.3	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3300	0.3720		22.5	20.0	12.7	20.0
Carbon disulfide	Ave	0.6788	0.6920	0.1000	20.4	20.0	1.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1775	0.1611	0.1000	18.1	20.0	-9.3	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3099	0.3471		22.4	20.0	12.0	20.0
Iodomethane	QuaF		0.1529		12.0	20.0	-40.0*	20.0
Cyclopentene	Ave	0.5511	0.5409		19.6	20.0	-1.8	20.0
Acrolein	Ave	1.032	1.092		42.3	40.0	5.8	50.0
Allyl chloride	Ave	0.1272	0.1452		22.8	20.0	14.1	20.0
Isopropyl alcohol	Ave	0.8028	0.8454		211	200	5.3	50.0
Methylene Chloride	Ave	0.2502	0.2741	0.1000	21.9	20.0	9.5	20.0
Acetone	Ave	0.6382	0.7900	0.0500	124	100	23.8	50.0
trans-1,2-Dichloroethene	Ave	0.2092	0.2416	0.1000	23.1	20.0	15.5	20.0
Methyl acetate	Ave	10.01	9.760	0.1000	39.0	40.0	-2.5	20.0
Hexane	Ave	0.0372	0.0310		16.6	20.0	-16.9	20.0
Methyl tert-butyl ether	Ave	0.6422	0.7652	0.1000	23.8	20.0	19.1	20.0
2-Methyl-2-propanol	Ave	1.116	1.138		204	200	2.0	50.0
Acetonitrile	Ave	1.593	1.867		235	200	17.3	20.0
Isopropyl ether	Ave	0.9088	1.133		24.9	20.0	24.6*	20.0
2-Chloro-1,3-butadiene	Ave	0.1921	0.2135		22.2	20.0	11.1	20.0
1,1-Dichloroethane	Ave	0.4473	0.5241	0.2000	23.4	20.0	17.2	20.0
Acrylonitrile	Ave	0.0892	0.1116		250	200	25.1*	20.0
Tert-butyl ethyl ether	Ave	0.8195	0.9382		22.9	20.0	14.5	20.0

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65943.D

Lab ID: 460-191351-2 MS Client ID: MW-17D 091019 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	0.24 U	18.7	94	75-125	
1,1,2,2-Tetrachloroethane	20.0	0.37 U	21.0	105	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	0.31 U	16.2	81	59-150	
1,1,2-Trichloroethane	20.0	0.43 U	20.2	101	78-120	
1,1-Dichloroethane	20.0	0.26 U	22.5	112	77-123	
1,1-Dichloroethene	20.0	0.26 U	19.1	95	74-123	
1,2,4-Trichlorobenzene	20.0	0.37 U	19.7	99	80-124	
1,2-Dibromo-3-Chloropropane	20.0	0.38 U	21.7	109	55-134	
1,2-Dichlorobenzene	20.0	0.43 U	20.6	103	80-120	
1,2-Dichloroethane	20.0	0.43 U	18.8	94	76-121	
1,2-Dichloropropane	20.0	0.35 U	19.8	99	77-123	
1,3-Dichlorobenzene	20.0	0.34 U	20.2	101	80-120	
1,4-Dichlorobenzene	20.0	0.33 U	19.8	99	80-120	
2-Butanone (MEK)	100	1.9 U	90.5	91	64-120	
2-Hexanone	100	1.1 U	100	100	71-125	
4-Methyl-2-pentanone (MIBK)	100	1.3 U	98.4	98	78-124	
Acetone	100	4.4 U	107	107	39-150	
Benzene	20.0	0.20 U	19.3	97	77-121	
Bromoform	20.0	0.54 U	20.8	104	53-120	
Bromomethane	20.0	0.55 U	13.2	66	10-150	
Carbon disulfide	20.0	0.82 U	18.6	93	69-133	
Carbon tetrachloride	20.0	0.21 U	17.6	88	70-132	
Chlorobenzene	20.0	0.38 U	19.4	97	80-120	
Chlorodibromomethane	20.0	0.28 U	18.9	95	73-120	
Chloroethane	20.0	0.32 U	20.7	104	52-150	
Chloroform	20.0	0.33 U	20.3	102	80-120	
Chloromethane	20.0	0.40 U	18.8	94	56-131	
cis-1,2-Dichloroethene	20.0	0.22 U	20.2	101	80-120	
cis-1,3-Dichloropropene	20.0	0.22 U	18.2	91	77-120	
Cyclohexane	20.0	0.32 U	14.7	74	56-150	
Dichlorobromomethane	20.0	0.34 U	19.5	98	76-120	
Dichlorodifluoromethane	20.0	0.31 U	14.9	75	50-131	
Ethylbenzene	20.0	0.30 U	19.5	98	80-120	
Ethylene Dibromide	20.0	0.50 U	19.3	97	80-120	
Isopropylbenzene	20.0	0.34 U	19.6	98	80-123	
Methyl acetate	40.0	0.79 U	32.4	81	66-144	
Methyl tert-butyl ether	20.0	0.47 U	22.1	110	79-122	
Methylcyclohexane	20.0	0.26 U	14.2	71	61-145	
Methylene Chloride	20.0	0.32 U	20.2	101	77-123	
Styrene	20.0	0.42 U	18.6	93	80-120	
Tetrachloroethene	20.0	0.25 U	18.8	94	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65943.D

Lab ID: 460-191351-2 MS Client ID: MW-17D 091019 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	20.0	0.38 U	19.0	95	80-120	
trans-1,2-Dichloroethene	20.0	0.24 U	21.1	106	79-120	
trans-1,3-Dichloropropene	20.0	0.49 U	18.7	94	76-120	
Trichloroethene	20.0	0.31 U	20.4	102	77-120	
Trichlorofluoromethane	20.0	0.32 U	21.0	105	71-143	
Vinyl chloride	20.0	0.17 U	23.0	115	62-138	
Xylenes, Total	40.0	0.65 U	37.3	93	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65944.D

Lab ID: 460-191351-2 MSD Client ID: MW-17D 091019 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.8	104	10	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	22.3	111	6	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.1	85	5	30	59-150	
1,1,2-Trichloroethane	20.0	21.9	109	8	30	78-120	
1,1-Dichloroethane	20.0	24.7	124	10	30	77-123	F1
1,1-Dichloroethene	20.0	21.5	108	12	30	74-123	
1,2,4-Trichlorobenzene	20.0	22.2	111	12	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	22.7	114	5	30	55-134	
1,2-Dichlorobenzene	20.0	22.5	113	9	30	80-120	
1,2-Dichloroethane	20.0	20.8	104	10	30	76-121	
1,2-Dichloropropane	20.0	22.0	110	10	30	77-123	
1,3-Dichlorobenzene	20.0	22.0	110	9	30	80-120	
1,4-Dichlorobenzene	20.0	22.2	111	11	30	80-120	
2-Butanone (MEK)	100	103	103	13	30	64-120	
2-Hexanone	100	114	114	13	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	112	112	13	30	78-124	
Acetone	100	117	117	9	30	39-150	
Benzene	20.0	21.9	110	12	30	77-121	
Bromoform	20.0	22.1	110	6	30	53-120	
Bromomethane	20.0	17.4	87	28	30	10-150	
Carbon disulfide	20.0	20.7	104	11	30	69-133	
Carbon tetrachloride	20.0	19.5	98	10	30	70-132	
Chlorobenzene	20.0	22.2	111	14	30	80-120	
Chlorodibromomethane	20.0	20.4	102	7	30	73-120	
Chloroethane	20.0	22.7	114	9	30	52-150	
Chloroform	20.0	22.6	113	10	30	80-120	
Chloromethane	20.0	21.6	108	14	30	56-131	
cis-1,2-Dichloroethene	20.0	21.5	108	7	30	80-120	
cis-1,3-Dichloropropene	20.0	21.2	106	15	30	77-120	
Cyclohexane	20.0	16.7	84	13	30	56-150	
Dichlorobromomethane	20.0	21.3	107	9	30	76-120	
Dichlorodifluoromethane	20.0	15.9	80	6	30	50-131	
Ethylbenzene	20.0	21.9	110	12	30	80-120	
Ethylene Dibromide	20.0	21.1	106	9	30	80-120	
Isopropylbenzene	20.0	22.2	111	13	30	80-123	
Methyl acetate	40.0	36.1	90	11	30	66-144	
Methyl tert-butyl ether	20.0	24.4	122	10	30	79-122	
Methylcyclohexane	20.0	15.9	79	11	30	61-145	
Methylene Chloride	20.0	22.6	113	11	30	77-123	
Styrene	20.0	21.4	107	14	30	80-120	
Tetrachloroethene	20.0	21.3	107	12	30	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P65944.D

Lab ID: 460-191351-2 MSD Client ID: MW-17D 091019 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	20.0	21.6	108	13	30	80-120	
trans-1,2-Dichloroethene	20.0	23.4	117	10	30	79-120	
trans-1,3-Dichloropropene	20.0	21.1	105	12	30	76-120	
Trichloroethene	20.0	21.8	109	6	30	77-120	
Trichlorofluoromethane	20.0	23.0	115	9	30	71-143	
Vinyl chloride	20.0	25.2	126	9	30	62-138	
Xylenes, Total	40.0	42.5	106	13	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Lab Sample ID: CCVIS 460-639701/2 Calibration Date: 09/16/2019 19:19

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 11:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 13:37

Lab File ID: A163890.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.352	1.300	0.8000	9620	10000	-3.8	20.0
Chrysene	Ave	1.263	1.201	0.7000	9510	10000	-4.9	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8975	0.9188	0.0100	10200	10000	2.4	20.0
Di-n-octyl phthalate	Ave	1.564	1.295	0.0100	8280	10000	-17.2	20.0
Benzo[b]fluoranthene	Ave	1.220	1.171	0.7000	9600	10000	-4.0	20.0
Benzo[k]fluoranthene	Ave	1.277	1.203	0.7000	9420	10000	-5.8	20.0
Benzo[a]pyrene	Ave	1.134	1.156	0.7000	10200	10000	1.9	20.0
Indeno[1,2,3-cd]pyrene	QuaF		1.125	0.5000	9090	10000	-9.1	20.0
Dibenz(a,h)anthracene	Ave	1.198	1.107	0.4000	9240	10000	-7.6	20.0
Benzo[g,h,i]perylene	Ave	1.357	1.060	0.5000	7820	10000	-21.8*	20.0
2-Fluorophenol (Surr)	Ave	1.428	1.369		9590	10000	-4.1	20.0
Phenol-d5 (Surr)	Ave	1.659	1.591		9590	10000	-4.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3452	0.3449		9990	10000	-0.0	20.0
2-Fluorobiphenyl	Ave	1.533	1.423		9290	10000	-7.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1434	0.1721		12000	10000	20.0	20.0
Terphenyl-d14 (Surr)	Ave	1.153	1.046		9070	10000	-9.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Lab Sample ID: CCV 460-639497/3 Calibration Date: 09/15/2019 18:21

Instrument ID: CBNAMS16 Calib Start Date: 09/04/2019 13:58

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/04/2019 16:05

Lab File ID: A163855.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.142	1.149	0.0100	10100	10000	0.6	20.0
Caprolactam	Ave	0.0729	0.0914	0.0100	12500	10000	25.5*	20.0
Atrazine	Ave	0.1792	0.2037	0.0100	11400	10000	13.7	20.0

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163858.D

Lab ID: LCS 460-639442/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	59.8	75	54-108	
2,2'-oxybis[1-chloropropane]	80.0	59.8	75	50-108	
2,4,5-Trichlorophenol	80.0	62.0	77	59-117	
2,4,6-Trichlorophenol	80.0	65.7	82	62-120	
2,4-Dichlorophenol	80.0	67.2	84	62-102	
2,4-Dimethylphenol	80.0	61.9	77	61-95	
2,4-Dinitrophenol	160	173	108	45-125	
2,4-Dinitrotoluene	80.0	69.3	87	70-123	
2,6-Dinitrotoluene	80.0	69.6	87	68-121	
2-Chloronaphthalene	80.0	58.6	73	54-105	
2-Chlorophenol	80.0	59.0	74	54-92	
2-Methylnaphthalene	80.0	59.9	75	47-104	
2-Methylphenol	80.0	53.6	67	43-80	
2-Nitroaniline	80.0	68.8	86	46-124	
2-Nitrophenol	80.0	75.2	94	58-109	
3,3'-Dichlorobenzidine	80.0	70.7	88	68-123	
3-Nitroaniline	80.0	64.0	80	60-117	
4,6-Dinitro-2-methylphenol	160	162	101	59-132	
4-Bromophenyl phenyl ether	80.0	68.0	85	57-126	
4-Chloro-3-methylphenol	80.0	65.9	82	58-98	
4-Chloroaniline	80.0	64.8	81	51-108	
4-Chlorophenyl phenyl ether	80.0	67.7	85	60-114	
4-Nitroaniline	80.0	69.1	86	48-135	
4-Nitrophenol	160	61.5	38	11-47	
Acenaphthene	80.0	60.5	76	58-107	
Acenaphthylene	80.0	62.6	78	61-106	
Acetophenone	80.0	70.7	88	54-115	
Anthracene	80.0	67.2	84	70-118	
Benzo[a]anthracene	80.0	68.5	86	73-119	
Benzo[a]pyrene	80.0	62.7	78	76-125	
Benzo[b]fluoranthene	80.0	65.5	82	78-123	
Benzo[g,h,i]perylene	80.0	64.5	81	63-133	
Benzo[k]fluoranthene	80.0	68.7	86	71-126	
Bis(2-chloroethoxy)methane	80.0	67.4	84	67-104	
Bis(2-chloroethyl)ether	80.0	68.2	85	63-106	
Bis(2-ethylhexyl) phthalate	80.0	74.9	94	63-135	
Butyl benzyl phthalate	80.0	74.1	93	66-129	
Carbazole	80.0	66.2	83	68-121	
Chrysene	80.0	69.2	87	73-121	
Dibenz(a,h)anthracene	80.0	69.2	87	59-136	
Dibenzofuran	80.0	65.4	82	67-108	
Diethyl phthalate	80.0	67.6	85	61-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163858.D

Lab ID: LCS 460-639442/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dimethyl phthalate	80.0	67.3	84	65-121	
Di-n-butyl phthalate	80.0	69.5	87	64-130	
Di-n-octyl phthalate	80.0	71.4	89	64-131	
Fluoranthene	80.0	65.8	82	66-123	
Fluorene	80.0	66.5	83	67-112	
Hexachlorobenzene	80.0	70.1	88	63-125	
Hexachlorobutadiene	80.0	48.4	61	34-99	
Hexachlorocyclopentadiene	80.0	41.1	51	18-99	
Hexachloroethane	80.0	42.9	54	39-92	
Indeno[1,2,3-cd]pyrene	80.0	67.6	85	57-142	
Isophorone	80.0	69.0	86	55-105	
Naphthalene	80.0	54.5	68	51-98	
Nitrobenzene	80.0	69.7	87	56-106	
N-Nitrosodi-n-propylamine	80.0	71.1	89	48-118	
N-Nitrosodiphenylamine	80.0	67.3	84	69-118	
Pentachlorophenol	160	132	82	54-120	
Phenanthrene	80.0	66.3	83	70-117	
Phenol	80.0	29.1	36	16-43	
Pyrene	80.0	72.1	90	63-129	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163859.D

Lab ID: LCSD 460-639442/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	59.1	74	1	30	54-108	
2,2'-oxybis[1-chloropropane]	80.0	60.0	75	0	30	50-108	
2,4,5-Trichlorophenol	80.0	62.6	78	1	30	59-117	
2,4,6-Trichlorophenol	80.0	65.7	82	0	30	62-120	
2,4-Dichlorophenol	80.0	67.0	84	0	30	62-102	
2,4-Dimethylphenol	80.0	62.0	77	0	30	61-95	
2,4-Dinitrophenol	160	175	109	1	30	45-125	
2,4-Dinitrotoluene	80.0	72.5	91	5	30	70-123	
2,6-Dinitrotoluene	80.0	70.4	88	1	30	68-121	
2-Chloronaphthalene	80.0	58.4	73	0	30	54-105	
2-Chlorophenol	80.0	58.5	73	1	30	54-92	
2-Methylnaphthalene	80.0	60.0	75	0	30	47-104	
2-Methylphenol	80.0	51.7	65	4	30	43-80	
2-Nitroaniline	80.0	69.2	87	1	30	46-124	
2-Nitrophenol	80.0	75.2	94	0	30	58-109	
3,3'-Dichlorobenzidine	80.0	71.3	89	1	30	68-123	
3-Nitroaniline	80.0	65.6	82	2	30	60-117	
4,6-Dinitro-2-methylphenol	160	165	103	2	30	59-132	
4-Bromophenyl phenyl ether	80.0	66.3	83	2	30	57-126	
4-Chloro-3-methylphenol	80.0	66.5	83	1	30	58-98	
4-Chloroaniline	80.0	65.1	81	1	30	51-108	
4-Chlorophenyl phenyl ether	80.0	68.5	86	1	30	60-114	
4-Nitroaniline	80.0	73.1	91	6	30	48-135	
4-Nitrophenol	160	63.7	40	3	30	11-47	
Acenaphthene	80.0	61.0	76	1	30	58-107	
Acenaphthylene	80.0	62.7	78	0	30	61-106	
Acetophenone	80.0	71.1	89	0	30	54-115	
Anthracene	80.0	67.6	84	0	30	70-118	
Benzo[a]anthracene	80.0	67.0	84	2	30	73-119	
Benzo[a]pyrene	80.0	61.3	77	2	30	76-125	
Benzo[b]fluoranthene	80.0	61.9	77	6	30	78-123	*
Benzo[g,h,i]perylene	80.0	69.9	87	8	30	63-133	
Benzo[k]fluoranthene	80.0	66.0	83	4	30	71-126	
Bis(2-chloroethoxy)methane	80.0	67.5	84	0	30	67-104	
Bis(2-chloroethyl)ether	80.0	66.8	83	2	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	74.2	93	1	30	63-135	
Butyl benzyl phthalate	80.0	73.1	91	1	30	66-129	
Carbazole	80.0	66.7	83	1	30	68-121	
Chrysene	80.0	68.9	86	0	30	73-121	
Dibenz(a,h)anthracene	80.0	73.8	92	6	30	59-136	
Dibenzofuran	80.0	65.9	82	1	30	67-108	
Diethyl phthalate	80.0	69.2	87	2	30	61-129	

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.: 460-191322-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163859.D

Lab ID: LCSD 460-639442/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dimethyl phthalate	80.0	68.8	86	2	30	65-121	
Di-n-butyl phthalate	80.0	69.2	87	0	30	64-130	
Di-n-octyl phthalate	80.0	64.7	81	10	30	64-131	
Fluoranthene	80.0	66.2	83	1	30	66-123	
Fluorene	80.0	67.5	84	1	30	67-112	
Hexachlorobenzene	80.0	68.7	86	2	30	63-125	
Hexachlorobutadiene	80.0	47.9	60	1	30	34-99	
Hexachlorocyclopentadiene	80.0	40.7	51	1	30	18-99	
Hexachloroethane	80.0	42.8	53	0	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	70.9	89	5	30	57-142	
Isophorone	80.0	69.8	87	1	30	55-105	
Naphthalene	80.0	54.0	67	1	30	51-98	
Nitrobenzene	80.0	70.9	89	2	30	56-106	
N-Nitrosodi-n-propylamine	80.0	70.5	88	1	30	48-118	
N-Nitrosodiphenylamine	80.0	67.1	84	0	30	69-118	
Pentachlorophenol	160	134	84	2	30	54-120	
Phenanthrene	80.0	66.7	83	1	30	70-117	
Phenol	80.0	29.2	36	0	30	16-43	
Pyrene	80.0	70.6	88	2	30	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163894.D

Lab ID: LCS 460-639610/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	59.6	75	54-108	
2,2'-oxybis[1-chloropropane]	80.0	61.6	77	50-108	
2,4,5-Trichlorophenol	80.0	61.2	77	59-117	
2,4,6-Trichlorophenol	80.0	66.3	83	62-120	
2,4-Dichlorophenol	80.0	66.2	83	62-102	
2,4-Dimethylphenol	80.0	61.3	77	61-95	
2,4-Dinitrophenol	160	154	96	45-125	
2,4-Dinitrotoluene	80.0	71.0	89	70-123	
2,6-Dinitrotoluene	80.0	70.5	88	68-121	
2-Chloronaphthalene	80.0	58.0	72	54-105	
2-Chlorophenol	80.0	59.2	74	54-92	
2-Methylnaphthalene	80.0	60.6	76	47-104	
2-Methylphenol	80.0	52.6	66	43-80	
2-Nitroaniline	80.0	69.4	87	46-124	
2-Nitrophenol	80.0	73.3	92	58-109	
3,3'-Dichlorobenzidine	80.0	74.0	92	68-123	
3-Nitroaniline	80.0	63.9	80	60-117	
4,6-Dinitro-2-methylphenol	160	158	99	59-132	
4-Bromophenyl phenyl ether	80.0	68.6	86	57-126	
4-Chloro-3-methylphenol	80.0	65.8	82	58-98	
4-Chloroaniline	80.0	64.5	81	51-108	
4-Chlorophenyl phenyl ether	80.0	68.2	85	60-114	
4-Nitroaniline	80.0	68.3	85	48-135	
4-Nitrophenol	160	59.3	37	11-47	
Acenaphthene	80.0	61.1	76	58-107	
Acenaphthylene	80.0	63.1	79	61-106	
Acetophenone	80.0	72.1	90	54-115	
Anthracene	80.0	67.5	84	70-118	
Benzo[a]anthracene	80.0	68.5	86	73-119	
Benzo[a]pyrene	80.0	64.3	80	76-125	
Benzo[b]fluoranthene	80.0	60.3	75	78-123	*
Benzo[g,h,i]perylene	80.0	52.5	66	63-133	
Benzo[k]fluoranthene	80.0	66.7	83	71-126	
Bis(2-chloroethoxy)methane	80.0	67.1	84	67-104	
Bis(2-chloroethyl)ether	80.0	69.0	86	63-106	
Bis(2-ethylhexyl) phthalate	80.0	75.4	94	63-135	
Butyl benzyl phthalate	80.0	71.8	90	66-129	
Carbazole	80.0	65.7	82	68-121	
Chrysene	80.0	69.9	87	73-121	
Dibenz(a,h)anthracene	80.0	61.5	77	59-136	
Dibenzofuran	80.0	66.4	83	67-108	
Diethyl phthalate	80.0	69.6	87	61-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163894.D

Lab ID: LCS 460-639610/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dimethyl phthalate	80.0	68.8	86	65-121	
Di-n-butyl phthalate	80.0	71.6	89	64-130	
Di-n-octyl phthalate	80.0	55.7	70	64-131	
Fluoranthene	80.0	65.5	82	66-123	
Fluorene	80.0	67.4	84	67-112	
Hexachlorobenzene	80.0	71.3	89	63-125	
Hexachlorobutadiene	80.0	47.8	60	34-99	
Hexachlorocyclopentadiene	80.0	35.5	44	18-99	
Hexachloroethane	80.0	42.8	53	39-92	
Indeno[1,2,3-cd]pyrene	80.0	63.1	79	57-142	
Isophorone	80.0	69.5	87	55-105	
Naphthalene	80.0	53.9	67	51-98	
Nitrobenzene	80.0	71.8	90	56-106	
N-Nitrosodi-n-propylamine	80.0	73.0	91	48-118	
N-Nitrosodiphenylamine	80.0	68.1	85	69-118	
Pentachlorophenol	160	132	83	54-120	
Phenanthrene	80.0	66.9	84	70-117	
Phenol	80.0	29.5	37	16-43	
Pyrene	80.0	67.7	85	63-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163895.D

Lab ID: LCSD 460-639610/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	58.9	74	1	30	54-108	
2,2'-oxybis[1-chloropropane]	80.0	60.1	75	2	30	50-108	
2,4,5-Trichlorophenol	80.0	61.7	77	1	30	59-117	
2,4,6-Trichlorophenol	80.0	65.4	82	1	30	62-120	
2,4-Dichlorophenol	80.0	65.5	82	1	30	62-102	
2,4-Dimethylphenol	80.0	62.0	77	1	30	61-95	
2,4-Dinitrophenol	160	153	96	0	30	45-125	
2,4-Dinitrotoluene	80.0	71.1	89	0	30	70-123	
2,6-Dinitrotoluene	80.0	71.2	89	1	30	68-121	
2-Chloronaphthalene	80.0	58.0	72	0	30	54-105	
2-Chlorophenol	80.0	59.2	74	0	30	54-92	
2-Methylnaphthalene	80.0	59.6	75	2	30	47-104	
2-Methylphenol	80.0	53.1	66	1	30	43-80	
2-Nitroaniline	80.0	68.6	86	1	30	46-124	
2-Nitrophenol	80.0	74.1	93	1	30	58-109	
3,3'-Dichlorobenzidine	80.0	78.3	98	6	30	68-123	
3-Nitroaniline	80.0	63.0	79	1	30	60-117	
4,6-Dinitro-2-methylphenol	160	157	98	0	30	59-132	
4-Bromophenyl phenyl ether	80.0	67.4	84	2	30	57-126	
4-Chloro-3-methylphenol	80.0	65.5	82	0	30	58-98	
4-Chloroaniline	80.0	64.5	81	0	30	51-108	
4-Chlorophenyl phenyl ether	80.0	67.8	85	0	30	60-114	
4-Nitroaniline	80.0	66.5	83	3	30	48-135	
4-Nitrophenol	160	58.1	36	2	30	11-47	
Acenaphthene	80.0	59.3	74	3	30	58-107	
Acenaphthylene	80.0	62.6	78	1	30	61-106	
Acetophenone	80.0	71.1	89	1	30	54-115	
Anthracene	80.0	66.3	83	2	30	70-118	
Benzo[a]anthracene	80.0	67.1	84	2	30	73-119	
Benzo[a]pyrene	80.0	63.1	79	2	30	76-125	
Benzo[b]fluoranthene	80.0	62.2	78	3	30	78-123	
Benzo[g,h,i]perylene	80.0	48.7	61	8	30	63-133	*
Benzo[k]fluoranthene	80.0	64.5	81	3	30	71-126	
Bis(2-chloroethoxy)methane	80.0	67.6	85	1	30	67-104	
Bis(2-chloroethyl)ether	80.0	67.3	84	2	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	73.9	92	2	30	63-135	
Butyl benzyl phthalate	80.0	69.6	87	3	30	66-129	
Carbazole	80.0	64.2	80	2	30	68-121	
Chrysene	80.0	71.3	89	2	30	73-121	
Dibenz(a,h)anthracene	80.0	57.3	72	7	30	59-136	
Dibenzofuran	80.0	64.9	81	2	30	67-108	
Diethyl phthalate	80.0	69.2	87	1	30	61-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163895.D

Lab ID: LCSD 460-639610/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dimethyl phthalate	80.0	69.3	87	1	30	65-121	
Di-n-butyl phthalate	80.0	69.5	87	3	30	64-130	
Di-n-octyl phthalate	80.0	52.2	65	7	30	64-131	
Fluoranthene	80.0	63.4	79	3	30	66-123	
Fluorene	80.0	65.9	82	2	30	67-112	
Hexachlorobenzene	80.0	71.0	89	0	30	63-125	
Hexachlorobutadiene	80.0	46.9	59	2	30	34-99	
Hexachlorocyclopentadiene	80.0	36.5	46	3	30	18-99	
Hexachloroethane	80.0	41.9	52	2	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	58.2	73	8	30	57-142	
Isophorone	80.0	69.4	87	0	30	55-105	
Naphthalene	80.0	53.7	67	0	30	51-98	
Nitrobenzene	80.0	72.0	90	0	30	56-106	
N-Nitrosodi-n-propylamine	80.0	72.2	90	1	30	48-118	
N-Nitrosodiphenylamine	80.0	67.8	85	1	30	69-118	
Pentachlorophenol	160	131	82	1	30	54-120	
Phenanthrene	80.0	65.1	81	3	30	70-117	
Phenol	80.0	29.0	36	2	30	16-43	
Pyrene	80.0	66.4	83	2	30	63-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163897.D

Lab ID: LCSD 460-639610/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Atrazine	160	105	66	50	30	38-146	*
Benzaldehyde	160	129	81	13	30	46-111	
Caprolactam	160	25.5	16	52	30	10-43	*

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163899.D

Lab ID: 460-191351-2 MS Client ID: MW-17D 091019 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	1.2 U	75.9	95	54-108	
2,2'-oxybis[1-chloropropane]	80.0	0.63 U	71.2	89	50-108	
2,4,5-Trichlorophenol	80.0	0.28 U	75.0	94	59-117	
2,4,6-Trichlorophenol	80.0	0.30 U	75.3	94	62-120	
2,4-Dichlorophenol	80.0	0.42 U	75.8	95	62-102	
2,4-Dimethylphenol	80.0	0.24 U	69.6	87	61-95	
2,4-Dinitrophenol	160	14 U	132	82	45-125	
2,4-Dinitrotoluene	80.0	1.0 U	83.4	104	70-123	
2,6-Dinitrotoluene	80.0	0.39 U	85.3	107	68-121	
2-Chloronaphthalene	80.0	1.2 U	75.1	94	54-105	
2-Chlorophenol	80.0	0.38 U	63.2	79	54-92	
2-Methylnaphthalene	80.0	1.1 U	78.8	98	47-104	
2-Methylphenol	80.0	0.26 U	55.1	69	43-80	
2-Nitroaniline	80.0	0.47 U	82.7	103	46-124	
2-Nitrophenol	80.0	0.75 U	83.5	104	58-109	
3,3'-Dichlorobenzidine	80.0	1.4 U	89.0	111	68-123	
3-Nitroaniline	80.0	0.96 U	72.9	91	60-117	
4,6-Dinitro-2-methylphenol	160	13 U	149	93	59-132	
4-Bromophenyl phenyl ether	80.0	0.75 U	85.1	106	57-126	
4-Chloro-3-methylphenol	80.0	0.58 U	75.9	95	58-98	
4-Chloroaniline	80.0	1.9 U	70.5	88	51-108	
4-Chlorophenyl phenyl ether	80.0	1.3 U	83.5	104	60-114	
4-Nitroaniline	80.0	0.54 U	76.7	96	48-135	
4-Nitrophenol	160	0.69 U	56.7	35	11-47	
Acenaphthene	80.0	1.1 U	74.2	93	58-107	
Acenaphthylene	80.0	0.82 U	78.1	98	61-106	
Acetophenone	80.0	0.79 U	81.9	102	54-115	
Anthracene	80.0	0.63 U	82.2	103	70-118	
Atrazine	160	1.3 U	180	112	38-146	
Benzaldehyde	160	0.59 U	143	89	46-111	
Benzo[a]anthracene	80.0	0.59 U	84.0	105	73-119	
Benzo[a]pyrene	80.0	0.41 U	80.7	101	76-125	
Benzo[b]fluoranthene	80.0	1.1 U	77.3	97	78-123	
Benzo[g,h,i]perylene	80.0	1.4 U	68.6	86	63-133	
Benzo[k]fluoranthene	80.0	0.67 U	81.9	102	71-126	
Bis(2-chloroethoxy)methane	80.0	0.24 U	79.8	100	67-104	
Bis(2-chloroethyl)ether	80.0	0.30 U	76.7	96	63-106	
Bis(2-ethylhexyl) phthalate	80.0	1.7 U	95.9	120	63-135	
Butyl benzyl phthalate	80.0	0.85 U	89.9	112	66-129	
Caprolactam	160	0.68 U	43.5	27	10-43	
Carbazole	80.0	0.68 U	77.9	97	68-121	
Chrysene	80.0	0.91 U	89.9	112	73-121	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163899.D

Lab ID: 460-191351-2 MS Client ID: MW-17D 091019 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	0.72 U	79.7	100	59-136	
Dibenzofuran	80.0	1.1 U	81.0	101	67-108	
Diethyl phthalate	80.0	0.98 U	83.1	104	61-129	
Dimethyl phthalate	80.0	0.77 U	83.6	105	65-121	
Di-n-butyl phthalate	80.0	0.84 U	85.9	107	64-130	
Di-n-octyl phthalate	80.0	4.8 U	70.1	88	64-131	
Fluoranthene	80.0	0.84 U	77.0	96	66-123	
Fluorene	80.0	0.91 U	81.7	102	67-112	
Hexachlorobenzene	80.0	0.40 U	88.4	111	63-125	
Hexachlorobutadiene	80.0	0.78 U	67.5	84	34-99	
Hexachlorocyclopentadiene	80.0	1.7 U	57.0	71	18-99	
Hexachloroethane	80.0	1.2 U	61.5	77	39-92	
Indeno[1,2,3-cd]pyrene	80.0	1.3 U	76.1	95	57-142	
Isophorone	80.0	0.80 U	81.6	102	55-105	
Naphthalene	80.0	1.1 U	72.0	90	51-98	
Nitrobenzene	80.0	0.57 U	82.2	103	56-106	
N-Nitrosodi-n-propylamine	80.0	0.43 U	84.1	105	48-118	
N-Nitrosodiphenylamine	80.0	0.89 U	84.1	105	69-118	
Pentachlorophenol	160	1.4 U	147	92	54-120	
Phenanthrene	80.0	0.58 U	80.9	101	70-117	
Phenol	80.0	0.29 U	27.3	34	16-43	
Pyrene	80.0	1.6 U	86.5	108	63-129	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163900.D

Lab ID: 460-191351-2 MSD Client ID: MW-17D 091019 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	75.2	94	1	30	54-108	
2,2'-oxybis[1-chloropropane]	80.0	72.2	90	1	30	50-108	
2,4,5-Trichlorophenol	80.0	75.2	94	0	30	59-117	
2,4,6-Trichlorophenol	80.0	76.1	95	1	30	62-120	
2,4-Dichlorophenol	80.0	75.7	95	0	30	62-102	
2,4-Dimethylphenol	80.0	70.0	88	1	30	61-95	
2,4-Dinitrophenol	160	183	114	33	30	45-125	F2
2,4-Dinitrotoluene	80.0	85.7	107	3	30	70-123	
2,6-Dinitrotoluene	80.0	84.3	105	1	30	68-121	
2-Chloronaphthalene	80.0	74.5	93	1	30	54-105	
2-Chlorophenol	80.0	64.9	81	3	30	54-92	
2-Methylnaphthalene	80.0	78.1	98	1	30	47-104	
2-Methylphenol	80.0	55.2	69	0	30	43-80	
2-Nitroaniline	80.0	83.7	105	1	30	46-124	
2-Nitrophenol	80.0	85.8	107	3	30	58-109	
3,3'-Dichlorobenzidine	80.0	85.3	107	4	30	68-123	
3-Nitroaniline	80.0	73.6	92	1	30	60-117	
4,6-Dinitro-2-methylphenol	160	191	119	24	30	59-132	
4-Bromophenyl phenyl ether	80.0	84.3	105	1	30	57-126	
4-Chloro-3-methylphenol	80.0	76.3	95	0	30	58-98	
4-Chloroaniline	80.0	68.7	86	3	30	51-108	
4-Chlorophenyl phenyl ether	80.0	83.2	104	0	30	60-114	
4-Nitroaniline	80.0	80.6	101	5	30	48-135	
4-Nitrophenol	160	58.1	36	2	30	11-47	
Acenaphthene	80.0	75.6	94	2	30	58-107	
Acenaphthylene	80.0	77.9	97	0	30	61-106	
Acetophenone	80.0	82.9	104	1	30	54-115	
Anthracene	80.0	82.1	103	0	30	70-118	
Atrazine	160	195	122	8	30	38-146	E
Benzaldehyde	160	152	95	6	30	46-111	
Benzo[a]anthracene	80.0	82.3	103	2	30	73-119	
Benzo[a]pyrene	80.0	79.0	99	2	30	76-125	
Benzo[b]fluoranthene	80.0	75.3	94	3	30	78-123	
Benzo[g,h,i]perylene	80.0	64.3	80	7	30	63-133	
Benzo[k]fluoranthene	80.0	81.3	102	1	30	71-126	
Bis(2-chloroethoxy)methane	80.0	79.4	99	1	30	67-104	
Bis(2-chloroethyl)ether	80.0	77.6	97	1	30	63-106	
Bis(2-ethylhexyl) phthalate	80.0	95.5	119	0	30	63-135	
Butyl benzyl phthalate	80.0	90.2	113	0	30	66-129	
Caprolactam	160	43.5	27	0	30	10-43	
Carbazole	80.0	80.4	101	3	30	68-121	
Chrysene	80.0	89.2	111	1	30	73-121	

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.: 460-191351-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A163900.D

Lab ID: 460-191351-2 MSD Client ID: MW-17D 091019 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibenz(a,h)anthracene	80.0	74.8	93	6	30	59-136	
Dibenzofuran	80.0	79.7	100	2	30	67-108	
Diethyl phthalate	80.0	84.0	105	1	30	61-129	
Dimethyl phthalate	80.0	84.0	105	1	30	65-121	
Di-n-butyl phthalate	80.0	87.5	109	2	30	64-130	
Di-n-octyl phthalate	80.0	69.9	87	0	30	64-131	
Fluoranthene	80.0	78.9	99	2	30	66-123	
Fluorene	80.0	81.7	102	0	30	67-112	
Hexachlorobenzene	80.0	87.4	109	1	30	63-125	
Hexachlorobutadiene	80.0	69.3	87	3	30	34-99	
Hexachlorocyclopentadiene	80.0	62.2	78	9	30	18-99	
Hexachloroethane	80.0	64.0	80	4	30	39-92	
Indeno[1,2,3-cd]pyrene	80.0	72.0	90	5	30	57-142	
Isophorone	80.0	81.2	102	0	30	55-105	
Naphthalene	80.0	72.9	91	1	30	51-98	
Nitrobenzene	80.0	84.2	105	2	30	56-106	
N-Nitrosodi-n-propylamine	80.0	84.3	105	0	30	48-118	
N-Nitrosodiphenylamine	80.0	84.1	105	0	30	69-118	
Pentachlorophenol	160	157	98	7	30	54-120	
Phenanthrene	80.0	82.2	103	2	30	70-117	
Phenol	80.0	26.9	34	1	30	16-43	
Pyrene	80.0	87.0	109	1	30	63-129	

Column to be used to flag recovery and RPD values

FORM III 8270D

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 639968	Date: 09/17/2019 16:13		Prep Batch: 639846		Date: 09/17/2019 08:08						
9012B	460-191351-2	Cyanide, Total	0.0040	U	mg/L						F1
9012B	460-191351-2 MS	Cyanide, Total	0.234		mg/L	0.200	117	90-110			F1
Batch ID: 639968	Date: 09/17/2019 16:27		Prep Batch: 639846		Date: 09/17/2019 08:08						
9012B	460-191351-12	Cyanide, Total	0.0040	U	mg/L						F1
9012B	460-191351-12 MS	Cyanide, Total	0.225		mg/L	0.200	113	90-110			F1

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-191351-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 639968	Date: 09/17/2019 16:14		Prep Batch: 639846			Date: 09/17/2019 08:08					
9012B	460-191351-2 MSD	Cyanide, Total	0.228		mg/L	0.200	114	90-110	3	35	F1
Batch ID: 639968	Date: 09/17/2019 16:28		Prep Batch: 639846			Date: 09/17/2019 08:08					
9012B	460-191351-12 MSD	Cyanide, Total	0.225		mg/L	0.200	113	90-110	0	35	F1

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

FORM V-IN

ATTACHMENT 5
STREAM MONITORING FORM

Anthony Kill Creek Observation Form Mechanicville Former MGP Site		
		Notes
Date	9/10/2019	Renata Spinosa
Cloud Cover	20%	
Sun Angle	45 F	
Precipitation	None	
Time Start	0944	
Time End	1014	
# Blebs	0	
Frequency	0/hour	
Location of Observation		on riprap next to bridge
Water Level from Mark		Mark not found
Stream Elevation		appx 3 ft high
Were Sediments Probed	Yes	near bridge
Observation after Probing		no blebs or sheen observed
Stream Bank Stabilized?		
Approx % Vegetation Cover	70%	
Health of Vegetation	Decent	
Number of Trees	12	2 are dead
Soil Cover		

ATTACHMENT 6
SITE INSPECTION FORM

Site-Wide Annual Inspection Form

Mechanicville Former MGP Site
North Central Avenue
Mechanicville, New York

Item	Yes	No	N/A	Comments
Where applicable, is the perimeter fence in good condition?	X			
Are there any signs of erosion on site or along stream bank?		X		
Is 95% of the streambank covered with natural vegetation?	X			
Has remedial performance criteria been achieved or				
Has sampling and analysis of appropriate media been performed during the monitoring event?	X			
Has the maintenance checklist been completed? (If a system is installed)			X	
Are site records including the Site Management Plan complete and up-to-date?	X			
If applicable, have there been any modifications made to the remedial or monitoring system?			X	
If applicable, does the remedial or monitoring system need to be changed or altered at this time?			X	
Has there been any intrusive activity, excavation, or construction occurred at the site?		X		
Were the activities mentioned above, performed in accordance with the SMP?	X			
Are the monitoring wells in good condition (e.g, covers, casings)?		X		Some are, listed in MW Gauing form
Was the Anthony Kill Creek monitored for Oily Blebs during this time?	X			
Was there a change in the use of the site or were there new structures constructed on the site?		X		
If the answer above is YES, was a vapor intrusion evaluation done?			X	
Were new mitigation systems installed based on monitoring results?		X		
What was their any DNAPL collected from wells during this period?		X		
Are there any DNAPL drums on-site that need disposal?		X		

Note: Upon completion of the form any non-conforming items warranting corrective action should be identified here within.

Name of Inspector: Jillian Kosinski and Alexandra Golden
Signature of Inspector: Alexandra Golden
Inspector's Company: AECOM
Date: 9/10/2019