INVENTUM ENGINEERING, PC

March 3, 2021

Ms. Megan Kuczka
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, NY 14203

Re: 780 Ellicott Street LLC
NYSDEC Site No. 915143
Osmose Wood Preserving Facility
Site Management PRR (January 18, 2020 to January 18, 2021)

Dear Ms. Kuczka:

On behalf of 780 Ellicott Street, LLC, Inventum Engineering, P.C. (Inventum) is submitting this revised Site Management (SM) Periodic Review Report (PRR) for the former Osmose Wood Preserving facility located at 980 Ellicott Street, Buffalo, New York. The PRR has been prepared pursuant to the August 23, 2017 Order on Consent and Administrative Settlement (Index No. R9-20170520-83) and Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation*.

The attached report summarizes the following SM activities conducted on site between January 18, 2020 and January 18, 2021.

The revised PRR incorporates comments received from the New York State Department of Environmental Conservation (NYSDEC) in an e-mail dated February 18, 2021. The NYSDEC's comments are reproduced in the bullets below followed by Inventum's response in *italics*:

- An IC-EC Certification Form was mailed to Jon Williams at 333 Ganson Street, Buffalo, NY 14203. The Form was return from USPS with a "return to sender" notification. Has Jon Williams address changed?

  The updated mailing address is as follows:

  Jon M. Williams
  780 Ellicott Street, LLC
  140 Lee Street, Suite 200
  Buffalo, NY 14210

- The SMP indicates that 3 well volumes will be purged prior to sampling, although during the 2020 sampling event less than one well volume was purged from each well. It is understood that field parameters were monitored, but how can you be certain the groundwater that was sampled was not just water standing in the well?

  All monitoring wells were purged in accordance with low-flow sampling procedures as has been the process since at least June 2012[1][2]. It is Inventum's understanding that this protocol was approved by the NYSDEC in 2012 based on documentation in Section 1.2.1 of an annual status update report covering the reporting period between July 1, 2014 to June 30, 2015.

- Was the purge water properly disposed of offsite? If yes, please provide a disposal receipt within the PRR.

  The purge water was contained in a DOT-compliant 55-gallon steel drum, labeled as non-hazardous waste, and stored inside the former groundwater treatment building. This drum has additional capacity and will be disposed of appropriately pending further accumulation. Section 4 of the PRR has been revised to include this description of Investigation Derived Waste (IDW) handling during the reporting period.

- The Monitoring Well Inspection forms indicate the potential need for well redevelopment. When was the last time the wells were re-developed?

  Inventum is unaware of when the monitoring wells were redeveloped. The PRR includes a proposal to reduce both the number and frequency of monitoring wells sampled. Section 4 of the PRR has been revised to acknowledge that the findings of the most recent inspection include the potential need for well redevelopment. Additionally, Section 4 of the PRR has been revised to include a recommendation to redevelop the three (3) wells in the proposed Biennial Groundwater Sampling network (Table 5) prior to the next sample collection (first biennial event) in October 2021.

- Sections 1.1 & 2.1 – The site was first listed with the NYS Registry of Inactive Hazardous Waste sites in 1990, rather than 1980. Please edit appropriately.

[1] Conestoga-Rovers & Associates. Memorandum. July 23, 2012. *Evaluation of Recovery Wells RW-7 and RW-9*. Osmose Inc., Buffalo, New York.
[2] Golder Associates. Technical Memorandum. August 11, 2015. *Request for Shutdown/Decommissioning of Groundwater Collection & Treatment System* – Osmose Wood Preserving Site (Site #915143). 980 Ellicott Street, Buffalo, NY.

Sections 1.1 and 2.1 of the PRR have been revised in accordance with the comment.

- Table 1 –
  - Per the SMP, the "casing elevations" listed are actually "surface elevations". Please edit the title of this row appropriately.
  - MW-28's "surface elevation" does not match the SMP. Was this monitoring well resurveyed since the issuance of the SMP?

  Table 1 of the PRR has been revised to include the correct casing elevations rather than the surface elevations. Figure 3 (October 2020 Groundwater Contour Elevations) has also been revised to reflect the corrected data. The monitoring wells were last surveyed in July 2017. This survey was included in the October 2017 Monitoring Well Abandonment Recommendations Letter which was approved by the NYSDEC in December 2017.

- Table 2 –
  - The GWQS for Benzo(a)pyrene is ND, rather than NC.
  - The GWQS for biphenyl is 5 ug/L.

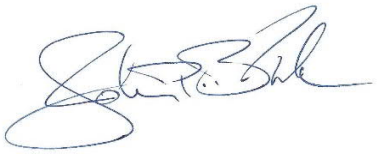
  Table 2 of the PRR has been revised in accordance with the comments. Figure 2 has also been revised to include the exceedance of the biphenyl guidance value at MW-17.

- Table 4 –
  - The column labeled "Last Event" should have the date of 12/2019, rather than 6/2019
  - The "Post-Remedial Action" Min/Max columns do not match the 2015 Golder Report for the wells listed below. Please adjust to match the 2015 Golder Report or appropriately reference the data in the PRR:
    - MW-5
    - MW-13 – specifically fluorene and naphthalene
    - MW-17
    - MW-28
  - Please include a reference for the "Before Remedial Action" data

  Table 4 of the PRR has been revised in accordance with the comments.

Should you have any questions or if you would like to discuss any aspect of this report, please feel free to contact me at 571.217.6761 or John.Black@inventumeng.com.

Sincerely,



John P. Black, P.E.

cc. J. Williams – 780 Ellicott Street
J. Yensan – OSC, Inc.
D. Flynn, Phillips Lytle

Enclosures

Enclosure A

Institutional and Engineering Controls Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 915143

Site Name Osmose Wood Preserving

Site Address: 980 Ellicott Street Zip Code: 14209
City/Town: Buffalo
County: Erie
Site Acreage: 0.533

Reporting Period: January 18, 2020 to January 18, 2021

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915143 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
100.630-3-37	780 Ellicott Street, LLC	Monitoring Plan Site Management Plan IC/EC Plan Ground Water Use Restriction Landuse Restriction

Environmental Easement filed with Erie County on 07/29/2019.
Groundwater and Landuse Restrictions.
Site Management Plan.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

	YES	NO
Not Applicable/No EC's	☐	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 915143

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I JOHN P. BLACK at 481 CARLISLE DR. # 202, HERNDON, VA 20170
print name print business address

am certifying as REMEDIAL PARTY (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

8/3/2021
Date

Enclosure B

Osmose Wood Preserving Facility
Site Management Periodic Review Report

780 Ellicott Street, LLC
NYSDEC Site Number 915143

Dates Covered by Report:
January 18, 2020 to January 18, 2021

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1 Executive Summary

1.1 Site Summary

Osmose formally operated a facility in Buffalo, New York which manufactured a variety of preservatives used in the treatment of wood and lumber products ("Site"). The Site is located at 980 Ellicott Street, Buffalo, New York and covers an area of approximately 4.3 acres. In 1990, 0.533 acre of the 4.3-acre facility was included in the New York Registry of Inactive Hazardous Waste Sites (Site No. 915143) as "Osmose Wood Preserving" (Figure 1).

The facility was closed in 2017 and all manufacturing operations were relocated to other Osmose facilities. In 2015 and 2016 Osmose negotiated a sale of the Site and several contiguous parcels. The sale of the property to 780 Ellicott Street, LLC closed in November 2016 and 780 Ellicott Street, LLC entered into an Order on Consent with the New York State Department of Environmental Conservation (NYSDEC) on August 23, 2017 (Index. No. R9-20170520-83) to complete the monitoring, reporting, and document the remediation of the Site. The Site has been remediated to commercial and industrial use standards and is currently being used for parking.

This Site Management (SM) Periodic Review Report (PRR) has been prepared in accordance with the Order on Consent and Administrative Settlement (Index. No. R9-20170520-83) and Section 6.3(b) of DER-10 *Technical Guidance for site Investigation and Remediation*.

This PRR covers the period between January 18, 2020 and January 18, 2021

After Osmose completed the remedial work at the Site, some contamination was left, and Institutional Controls (ICs) were incorporated into the Site remedy to control exposure to remaining contamination and ensure protection of public health and the environment. An Environmental Easement was granted to the NYSDEC and recorded with the Erie County Clerk requiring compliance with and approved SMP and all ICs placed on the Site.

An SMP was prepared and submitted to the NYSDEC in August 2018. The SMP details activities that will be undertaken until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36 and includes, in summary:

- A two (2) year semi-annual groundwater sampling program of eight (8) existing monitoring wells (MW-001, MW-5, MW-11, MW-13, MW-15, MW-17, MW-25, and MW-28) for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) to assess natural attenuation of residual groundwater concentrations.
- A two (2) year semi-annual groundwater depth monitoring program for eleven (11) existing monitoring wells (MW-001, MW-002, MW-5, MW-11, MW-13, MW-15, MW-17, MW-24, MW-25, MW-28, and RW-1).
- Periodic inspections of monitoring well conditions and structural integrity and repairs and/or replacement as required.
- Annual reporting of semi-annual groundwater sampling and monitoring data; and



- Annual PRR preparation and submittal.

1.2 Effectiveness of the Remedial Program

The minimum two (2) year semi-annual groundwater sampling program as required under the 2017 Order on Consent was completed with the collection of the December 2019 sampling data. ORC Advanced Filter Socks were installed in monitoring wells MW-001, MW-15, MW-17, and MW-25 on January 14, 2020 (Figure 2) as specified in the PRR for reporting period January 18, 2019 to January 18, 2020. The socks were installed to provide a controlled and localized release of dissolved oxygen in the surrounding groundwater and were removed from the monitoring wells on September 23, 2020[3].

Groundwater monitoring and sampling was conducted on October 23, 2020 (30-days after removal of the socks). A summary of field and laboratory sampling data for the October 2020 monitoring is provided in Tables 1 through 4. Groundwater sampling forms, site inspection forms, and monitoring well inspection forms are provided for reference in Appendix A.

All samples were analyzed for Target Compound List (TCL) VOCs (EPA Method 8260) and TCL SVOCs (EPA Method 8270). Figure 2 shows concentrations exceeding applicable Standards, Criteria, and Guidance (SCGs) values for the October 2020 sampling event.

A groundwater elevation contour map for the October 2020 sampling event is provided in Figure 3.

The EQuIS formatted Electronic Data Deliverable (EDD) package for the October 2020 sampling event was submitted to the NYSDEC on January 28, 2021.

1.2.1 Progress During the Reporting Period

ORC Advanced Filter Socks were installed in monitoring wells MW-001, MW-15, MW-17, and MW-25 on January 14, 2020 to provide a controlled and localized release of dissolved oxygen in the surrounding groundwater. Water quality data from the October 2020 sampling event shows that the dissolved oxygen content increased substantially in three of these four wells compared to the previous (December 2019) sampling data (Table 1):

- MW-001: +12.7%
- MW-17: +76.7%
- MW-25: +88%

The groundwater system has been relatively stable since active remediation was completed in August 2015 (Tables 3 and 4). Only MW-001, MW-13, MW-15, and MW-17 still contain concentrations of certain constituents above the Class GA Ambient Water Quality Standard or Guidance Value (6 NYCRR 703.5). Significantly, three of these wells (MW-001, MW-13, and MW-15) are only exceeding the

[3] The 2019-2020 PRR proposed removal of the socks in July 2020, groundwater sampling in August 2020, and reporting in October 2020. This schedule was delayed due to restrictions on non-essential activities and the data is being provided in this PRR instead of a separate Groundwater Monitoring Summary Report.



guidance values for benzo(b)fluoranthene and have been in compliance for all other constituents for over two years.

MW-17 contains exceedances for total xylenes and several SVOCs (acenaphthene, fluorene, naphthalene, and phenanthrene). Fluorene (80 µg/L) and phenanthrene (53 µg/L) were detected at concentrations very close to the applicable guidance value (50 µg/L) and have fluctuated just above and below the guidance value over the previous two years (Table 3). Acenaphthene (170 µg/L) and naphthalene (250 µg/L) were the only constituents detected at concentrations significantly above the corresponding standard (Acenaphthene – 20 µg/L; Naphthalene – 10 µg/L).

The substantial decrease in xylene concentration at MW-17 between December 2019 (19 µg/L) and October 2020 (8.1 J µg/L) to a level just above the standard of 5 µg/L indicates the ORC placement likely had some positive impact.

1.3 Compliance

No areas of non-compliance were noted during the reporting period.

1.3.1 Potential Non-compliance

No areas of non-compliance were noted during the reporting period.

1.3.2 Proposed Steps

No additional steps are necessary to maintain compliance.

1.4 Recommendations

1.4.1 Recommended Changes to the SMP

The minimum two (2) year semi-annual groundwater sampling program as required under the 2017 Order on Consent was completed with the collection of the December 2019 sampling data. Historical and current groundwater quality data (Tables 2, 3, and 4) indicates a substantial decrease in concentrations of VOCs and SVOCs to asymptotic levels very near the applicable standard or guidance value. The minor exceedances found in MW-17 appear to be confined to a very limited area as the nearest monitoring well (MW-25) has been in compliance for over 3 years as has the downgradient monitoring well MW-28.

Inventum recommends changing the frequency of groundwater sampling to a biennial (once every 2-years) basis and reducing the monitoring well sampling network to MW-15, MW-17, and MW-28 as shown on Table 5 and Figure 4.

1.4.2 Recommend Changes to the Frequency for Submittal of PRRs

There is no recommended change to the frequency of the PRR.

1.4.3 Recommend Whether the Requirements for Discontinuing Site Management

It is appropriate to continue Site Management.

2 Site Overview

2.1 Site Location

Osmose formally operated a facility in Buffalo, New York which manufactured a variety of preservatives used in the treatment of wood and lumber products ("Site"). The Site is located at 980 Ellicott Street and covers an area of approximately 4.3 acres. In 1990, 0.533 acre of the 4.3-acre facility was included in the New York Registry of Inactive Hazardous Waste Sites (Site No. 915143) as "Osmose Wood Preserving" (Figure 1).

The facility was closed in 2017 and all manufacturing operations were relocated to other Osmose facilities. In 2015 and 2016 Osmose negotiated a sale of the Site and several contiguous parcels. The sale of the property to 780 Ellicott Street, LLC closed in November 2016 and 780 Ellicott Street, LLC entered an Order on Consent with the New York State Department of Environmental Conservation (NYSDEC) on August 23, 2017 (Index. No. R9-20170520-83) to complete the monitoring, reporting, and document the remediation of the Site. The Site has been remediated to commercial and industrial use standards and is currently being used for parking.

2.2 Chronology of the Remedial Program

The Site operated as a manufacturing facility from 1951 until approximately May 2015. Manufacturing at the Site included the formation/production of a variety of preservatives used in the treatment of lumber and wood products. According to previous reports, portions of the Site also historically contained a malt house, carriage works, automotive repair facility, and residential buildings. The chronology of the Site remedial program includes:

- December 1995 - Feasibility Study Report[4] recommending source removal, groundwater collection, in situ chemical treatment (ozone injection), and monitoring as the preferred remedial alternative to address historical VOC and SVOC contamination in the soil and groundwater.
- 2000 – 2005 – Operation of ozone injection and soil vapor extraction systems.
- 2000 – 2008 – Operation of LNAPL collection system.
- 2000 – 2015 – Operation of groundwater collection and treatment system.

3 Evaluate Remedy Performance, Effectiveness, and Protectiveness

3.1 IC/EC Requirements and Compliance

A series of Institutional Controls (IC) have been developed and are adhered to by the established Site environmental easement. These Institutional Controls are designed to:

- Address future exposure to remaining contamination by controlling disturbances of the subsurface contamination.

[4] Groundwater Technology. December 22, 1995. Final Feasibility Study. Osmose Wood Preserving, Inc. NYSDEC Site No. 915143.

- Prohibit Site groundwater use;
- Limit the use and development of the Site to commercial and industrial uses only.

3.1.1 Status

Performance of Site IC/ECs is evaluated through the following tasks:

- Groundwater monitoring in accordance with the SMP; and,
- Annual Site-Wide inspection (Appendix A).

The Site IC/ECs are all currently active and in force.

3.1.2 Corrective Measures

No corrective measures are required at this time.

3.1.3 Conclusions and Recommendations

The remedy remains protective of human health and the environment.

3.2 IC/EC Certification

The IC/EC certifications are provided in Enclosure A to the cover letter.



4 Monitoring Plan Compliance Report

Components of the Monitoring Plan: Routine Site monitoring activities include:

- A two (2) year semi-annual groundwater sampling program of eight (8) existing monitoring wells (MW-001, MW-5, MW-11, MW-13, MW-15, MW-17, MW-25, and MW-28) for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) to assess natural attenuation of residual groundwater concentrations.
- A two (2) year semi-annual groundwater depth monitoring program for eleven (11) existing monitoring wells (MW-001, MW-002, MW-5, MW-11, MW-13, MW-15, MW-17, MW-24, MW-25, MW-28, and RW-1).
- Periodic inspections of monitoring well conditions and structural integrity and repairs and/or replacement as required.
- Annual reporting of semi-annual groundwater sampling and monitoring data; and
- Annual PRR preparation and submittal.

The minimum two (2) year semi-annual groundwater sampling program as required under the 2017 Order on Consent was completed with the collection of the December 2019 sampling data. ORC Advanced Filter Socks were installed in monitoring wells MW-001, MW-15, MW-17, and MW-25 on January 14, 2020 (Figure 2) as specified in the PRR for reporting period January 18, 2019 to January 18, 2020. The socks were installed to provide a controlled and localized release of dissolved oxygen in the surrounding groundwater and were removed from the monitoring wells on September 23, 2020[5].

Groundwater monitoring and sampling was conducted on October 23, 2020 (30-days after removal of the socks). A summary of field and laboratory sampling data for the October 2020 monitoring is provided in Tables 1 through 4. Groundwater sampling forms and monitoring well inspection forms are provided for reference in Appendix A. The monitoring well inspection noted the potential need for redevelopment at several monitoring wells.

All samples were analyzed for Target Compound List (TCL) VOCs (EPA Method 8260) and TCL SVOCs (EPA Method 8270). Figure 2 shows concentrations exceeding applicable Standards, Criteria, and Guidance (SCGs) values for the October 2020 sampling event.

Purge water was containerized in DOT-compliant 55-gallons steel drums, labeled as non-hazardous waste, and stored inside the former groundwater treatment shed. The storage drum has additional capacity, and the contents will be disposed of offsite in accordance with local, state, and federal regulations when fully accumulated.

A groundwater elevation contour map for the October 2020 sampling event is provided in Figure 3.

[5] The 2019-2020 PRR proposed removal of the socks in July 2020, groundwater sampling in August 2020, and reporting in October 2020. This schedule was delayed due to restrictions on non-essential activities and the data is being provided in this PRR instead of a separate Groundwater Monitoring Summary Report.



The EQuIS formatted Electronic Data Deliverable (EDD) package for the October 2020 sampling event was submitted to the NYSDEC on January 28, 2021. The associated laboratory data report is provided in Appendix B.

4.1 Comparisons with Remedial Objectives

The groundwater system has been relatively stable since active remediation was completed in August 2015 (Tables 3 and 4). Only MW-001, MW-13, MW-15, and MW-17 still contain concentrations of certain constituents above the Class GA Ambient Water Quality Standard or Guidance Value (6 NYCRR 703.5). Significantly, three of these wells (MW-001, MW-13, and MW-15) are only exceeding the guidance values for benzo(b)fluoranthene and have been in compliance for all other constituents for over two years.

MW-17 contains exceedances for total xylenes and several SVOCs (acenaphthene, fluorene, naphthalene, and phenanthrene). Fluorene (80 µg/L) and phenanthrene (53 µg/L) were detected at concentrations very close to the applicable guidance value (50 µg/L) and have fluctuated above and below the guidance value over the previous two years. Acenaphthene (170 µg/L) and naphthalene (250 µg/L) were the only constituents detected at concentrations significantly above the corresponding standard (Acenaphthene – 20 µg/L; Naphthalene – 10 µg/L).

4.2 Monitoring Deficiencies

No monitoring deficiencies were observed.

4.3 Conclusions and Recommendations for Changes

The minimum two (2) year semi-annual groundwater sampling program as required under the 2017 Order on Consent was completed with the collection of the December 2019 sampling data. Historical and current groundwater quality data (Tables 2, 3, and 4) indicates a substantial decrease in concentrations of VOCs and SVOCs to asymptotic levels very near the applicable standard or guidance value. The minor exceedances found in MW-17 appear to be confined to a very limited area as the nearest monitoring well (MW-25) has been in compliance for over 3 years as has the downgradient monitoring well MW-28.

Inventum recommends changing the frequency of groundwater sampling to a biennial (once every 2-years) basis and reducing the monitoring network to MW-15, MW-17, and MW-28 as shown on Table 5 and Figure 4. These monitoring wells will be redeveloped prior to the first proposed biennial sampling event in October 2021.



5 Overall PRR Conclusions and Recommendations

Activities completed during the reporting period complied with the requirements of the SMP.

5.1 Performance and Effectiveness of the Remedy

The remedy remains demonstrably effective.

5.2 Future PRR Submittals:

It is currently expected that the next PRR will be submitted on or about February 17, 2022.

Tables

Table 1
2020 Periodic Review Report
October 2020 Field Parameters
Osmose Wook Preserving Site
Site No. 915143

Well ID		**MW-001**	MW-002	**MW-5**	MW-11	**MW-13**	MW-15	**MW-17**	MW-24	**MW-25**	**MW-28**	RW-1
Casing Elevation	**(ft)**	640.03	641.01	643.93	639.72	639.45	639.52	639.75	640.59	639.42	639.71	640.20
Date		10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20
Depth to Water	(ft)	6.03	3.19	5.57	7.02	1.92	1.69	5.78	6.51	3.98	7.15	5.89
Water Elevation	(ft-msl)	634.00	637.82	638.36	632.70	637.53	637.83	633.97	634.08	635.44	632.56	634.31
Depth to Product	(ft)	none	none	none	none	none	none	none	none	none	none	none
Product Elevation	(ft-msl)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Temperature	^{o}C	17.2	19.9	17.9	18.8	18.2	19.3	18.3	20.4	19.2	18	16.3
Specific Conductance	(ms/cm)	1.403	0.283	0.569	1.298	0.161	1.246	2.198	2.81	1.173	0.911	2.203
pH	s.u.	7.87	8.05	7.62	11.67	9.1	8.06	11.1	7.3	9.36	7.42	7.41
(a) Dissolved Oxygen (O_2)	(mg/L)	8.09 (7.18)	4.9	6.56	5.28	8.25	7.83 (10.06)	11.17 (6.32)	3.38	9.12 (4.85)	7.93	2.89
ORP	mV	270	246.7	241.2	102.1	215.8	262.7	79.1	-68.2	204.8	312.6	-164.5
Turbidity	NTU	154.48	64.5	106.27	47.32	352.34	99.17	1965.21	44.08	93.74	6.54	19.34

Notes:
(a) ORC Advanced socks were placed in MW-001, MW-15, MW-17, and MW-25 in January 2020 and removed in September 2020. DO values in parentheses are from the December 10, 2019 sampling immediately prior to ORC sock placement.

Table 2
2020 Periodic Review Report
October 2020 Groundwater Data
Osmose Wook Preserving Site
Site No. 915143

Well ID		**6 CRR-NY 703.5 Table 1 Standards and Guidance Values**	MW-001	MW-002	MW-5	MW-11	MW-13	MW-15	MW-17	MW-24	MW-25	MW-28	RW-1
Casing Elevation	**(ft)**		640.03	641.01	643.93	639.72	639.45	639.52	639.75	640.59	639.42	639.71	640.20
Date			10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20
Depth to Water	(ft)		6.03	3.19	5.57	7.02	1.92	1.69	5.78	6.51	3.98	7.15	5.89
Water Elevation	(ft-msl)		634.00	637.82	638.36	632.70	637.53	637.83	633.97	634.08	635.44	632.56	634.31
Depth to Product	(ft)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Product Elevation	(ft-msl)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	(ug/L)	0.04	1 U	-	1 U	1 U	1 U	1 U	10 U	-	1 U	1 U	-
Acetone	(ug/L)	50	10 U	-	10 U	10 U	10 U	10 U	100 U	-	10 U	10 U	-
Chloroform	(ug/L)	7	1 U	-	1 U	**2.1**	1 U	1 U	10 U	-	1 U	1 U	-
Ethylbenzene	(ug/L)	5	1 U	-	1 U	1 U	1 U	1 U	10 U	-	1 U	1 U	-
Xylenes	(ug/L)	5	2 U	-	2 U	2 U	2 U	2 U	**8.1 J**	-	2 U	2 U	-
Isopropylbenzene	(ug/L)	5	1 U	-	1 U	1 U	1 U	1 U	10 U	-	1 U	1 U	-
Trichlorofluoromethane	(ug/L)	5	1 U	-	1 U	1 U	1 U	1 U	10 U	-	1 U	1 U	-
2,4,6-Trichlorophenol	(ug/L)	NC	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-
2,4-Dinotrotoluene	(ug/L)	5	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-
2- Methylnaphthalene	(ug/L)	NC	5 U	-	25 U	25 U	25 U	5 U	**46**	-	5 U	5 U	-
Acenaphthylene	(ug/L)	NC	5 U	-	25 U	25 U	25 U	5 U	**2.8 J**	-	5 U	5 U	-
Anthracene	(ug/L)	50	5 U	-	25 U	25 U	25 U	5 U	**7.6**	-	5 U	5 U	-
Acenaphthene	(ug/L)	20	**4.2 J**	-	25 U	25 U	25 U	5 U	**170**	-	**0.63 J**	5 U	-
Benzo(a)anthracene	(ug/L)	0.002	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-
Benzo(a)pyrene	(ug/L)	ND	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-

Table 2
2020 Periodic Review Report
October 2020 Groundwater Data
Osmose Wook Preserving Site
Site No. 915143

Well ID		6 CRR-NY 703.5 Table 1 Standards and Guidance Values	MW-001	MW-002	MW-5	MW-11	MW-13	MW-15	MW-17	MW-24	MW-25	MW-28	RW-1
Casing Elevation	**(ft)**		640.03	641.01	643.93	639.72	639.45	639.52	639.75	640.59	639.42	639.71	640.20
Date			10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20	10/23/20
Depth to Water	(ft)		6.03	3.19	5.57	7.02	1.92	1.69	5.78	6.51	3.98	7.15	5.89
Water Elevation	(ft-msl)		634.00	637.82	638.36	632.70	637.53	637.83	633.97	634.08	635.44	632.56	634.31
Depth to Product	(ft)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Product Elevation	(ft-msl)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) fluoranthene	(ug/L)	0.002	**0.53 J**	-	25 U	25 U	**2 J**	**0.61 J**	5.2 U	-	5 U	5 U	-
Biphenyl (Diphenyl)	(ug/L)	5	5 U	-	25 U	25 U	25 U	5 U	**16**	-	5 U	5 U	-
Benzo(k) fluoranthene	(ug/L)	0.002	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-
Benzo(g,h,i) perylene	(ug/L)	NC	5 U	-	25 U	25 U	25 U	**0.43 J**	5.2 U	-	5 U	5 U	-
Bis(2-ethylhexyl)phthalate	(ug/L)	5	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-
Carbazole	(ug/L)	NC	5 U	-	25 U	25 U	25 U	5 U	**6.7**	-	5 U	5 U	-
Chrysene	(ug/L)	0.002	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-
Dibenzofuran	(ug/L)	NC	**0.65 J**	-	50 U	50 U	50 U	1 0 U	**63**	-	1 0 U	1 0 U	-
Dibenzo(a,h)anthracene	(ug/L)	NC	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-
Fluoranthene	(ug/L)	50	**1.6 J**	-	25 U	25 U	**2.1 J**	**0.80 J**	**8.5**	-	**1.1 J**	5 U	-
Fluorene	(ug/L)	50	5 U	-	25 U	25 U	25 U	5 U	**80**	-	**0.41 J**	5 U	-
Indeno(1,2,3-cd)pyrene	(ug/L)	0.002	5 U	-	25 U	25 U	25 U	5 U	5.2 U	-	5 U	5 U	-
Naphthalene	(ug/L)	10	5 U	-	25 U	25 U	25 U	5 U	**250**	-	5 U	5 U	-
Pentachlorophenol	(ug/L)	1	10 U	-	50 U	50 U	50 U	10 U	10 U	-	10 U	10 U	-
Phenanthrene	(ug/L)	50	5 U	-	25 U	25 U	25 U	5 U	**53**	-	**0.47 J**	5 U	-
Pyrene	(ug/L)	50	**0.48 J**	-	25 U	25 U	25 U	**0.70 J**	**4.9 J**	-	**0.74 J**	5 U	-

Bold	Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Standards
Bold	Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Guidance Value
NC	No standard or guidance currently established
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
B	The analyte was identified in the laboratory blank
D	Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Notes:
1) Only those analytes detected during the October 2020 sampling, or historically detected, are presented in this table..

Table 3
2020 Periodic Review Report
Post-Treatment Summary
Osmose Wook Preserving Site
Site No. 915143

Well ID		6 CRR-NY 703.5 Table 1 Standards and Guidance Values	MW-001						MW-5									
Casing Elevation	**(ft)**		640.03	640.03	640.03	640.03	640.03	640.03	NR	NR	NR	NR	643.93	643.93	643.93	643.93	643.93	643.93
Date			11/27/17	02/21/18	10/10/18	06/17/19	12/10/19	10/23/20	06/09/12	06/19/13	6/14	06/23/15	11/27/17	02/22/18	10/10/18	06/17/19	12/10/19	10/23/20
Depth to Water	(ft)		6.11	2.82	6.04	5.08	5.13	6.03	NR	NR	NR	NR	6.18	0.95	6.20	4.59	4.59	5.57
Water Elevation	(ft-msl)		633.92	637.21	633.99	634.95	634.90	634.00	-	-	-	-	637.75	642.98	637.73	639.34	639.34	638.36
Depth to Product	(ft)		ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Product Elevation	(ft-msl)		ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Ethylbenzene	(ug/L)	5	**8.97**	2 U	2.3J	2.5U	1U	1U	Dry	**5.30**	2	4.6	0.33	2 U	2 U	2.50U	1U	1U
m,p-Xylene	(ug/L)	5	**15.10**	2.86	3.9	0.75 J	2 U	2 U	Dry	**17.00**	**6.4**	**15**	**9.06**	2 U	2 U	2.50U	2 U	2 U
o-Xylene	(ug/L)	5	**13.40**	3.05	3.8	2 J			Dry				**12.9**	2 U	0.92J	2.50U		
Isopropylbenzene	(ug/L)	5	**18**	2.96	NA	2.50 U	1 U	1U	Dry	NR	NR	NR	3.36	2 U	NA	2.50U	1 U	1 U
Acenaphthene	(ug/L)	20	**318**	**42.0**	**67**	0.71	5 U	4.2 J	Dry	0.75	**43**	**61**	**164**	**23.5**	18	0.30	25 U	25 U
Benzo(b) fluoranthene	(ug/L)	0.002	100 U	5 U	**0.4**	**0.15**	**0.43 J**	**0.53 J**	Dry	**1**	**1.1**	NR	<10	5 U	**0.6**	**0.94**	25 U	25 U
Fluoranthene	(ug/L)	50	**107**	5 U	4	2.2J B	5 U	**1.6 J**	Dry	9	12	2.1	12	5 U	2.3	3B	25 U	25 U
Fluorene	(ug/L)	50	**162**	11.4	20	2U	5 U	5 U	Dry	0.46	8.3	.41J	47.5	7.44	1.5	2U	25 U	25 U
Naphthalene	(ug/L)	10	**1020**	5 U	0.1	0.23	5 U	5 U	Dry	0.096J	0.38	NR	**184**	6.62	0.69	1.3	25 U	25 U
Phenanthrene	(ug/L)	50	**287**	5 U	1.4	2U	5 U	5 U	Dry	0.85	0.88	NR	18.9	5 U	1.5	2U	25 U	25 U
Pyrene	(ug/L)	50	100 U	5 U	1.9	0.32	5 U	0.48 J	Dry	9.30	8.10	1.20	10 U	5 U	1.6	2.2	25 U	25 U

Bold Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Standards
Bold Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Guidance Value
NC No standard or guidance currently established
NR Not reported in Osmose document or data not available to Inventum.
Notes: U = not detected above reporting limit shown. J: Anlyte positively identified at estimated value shown. B: Analyte found in blank sample.
1) The historical data presented herein are from Golder Associates, 2015, "Request for Shutdown/decommissioning of Groundwater Collection & Treatment System - Osmose Wood Preserving Site (Site #915143), 980 Ellicott Street, Buffalo, New York.

2) Historical COC exceeding water quality standards are shown.

Table 3
2020 Periodic Review Report
Post-Treatment Summary
Osmose Wook Preserving Site
Site No. 915143

Well ID		6 CRR-NY 703.5 Table 1 Standards and Guidance Values	MW-11										MW-13									
Casing Elevation	**(ft)**		NR	NR	NR	NR	639.72	639.72	639.72	639.72	639.72	639.72	NR	NR	NR	NR	639.45	639.45	639.45	639.45	639.45	639.45
Date			06/09/12	06/19/13	6/14	06/23/15	11/27/17	02/21/18	10/10/18	06/17/19	12/10/19	10/23/20	06/09/12	06/19/13	6/14	06/23/15	11/27/17	02/21/18	10/10/18	06/17/19	12/10/19	10/23/20
Depth to Water	(ft)		NR	NR	NR	NR	6.27	0.5	6.42	0.5	3.54	7.02	NR	NR	NR	NR	4.09	1.03	2.64	1.78	1.95	1.92
Water Elevation	(ft-msl)		-	-	-	-	633.45	639.22	633.30	639.22	636.18	632.70	-	-	-	-	635.36	638.42	636.81	637.67	637.50	637.53
Depth to Product	(ft)		NR	NR	ND	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Product Elevation	(ft-msl)		NR	NR	ND	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Ethylbenzene	(ug/L)	5	NR	NR	NR	NR	2 U	2 U	0.04J	2.50U	2 U	1U	NR	NR	NR	NR	2 U	2 U	2.5 U	2.50U	1U	1U
m,p-Xylene	(ug/L)	5	NR	NR	NR	NR	2 U	2 U	0.01J	2.50U	4U	2 U	NR	**59J**	NR	NR	2 U	2 U	2.5 U	2.50U	2 U	2 U
o-Xylene	(ug/L)	5	NR	NR	NR	NR	2 U	2 U	0.48	2.50U			NR		NR	NR	2 U	2 U	2.5 U	2.50U		
Isopropylbenzene	(ug/L)	5	NR	NR	NR	NR	2 U	2 U	0.21	2.50U	2 U	1 U	NR	NR	NR	NR	2 U	2 U	NA	2.50U	1U	1U
Acenaphthene	(ug/L)	20	NR	.030J	NR	0.23	10 U	5 U	0.56	0.09J	25 U	25 U	NR	**170**	1.6	.12J	10 U	5 U	1.6	0.02J	25 U	25 U
Benzo(b) fluoranthene	(ug/L)	0.002	**.065J**	**0.12J**	NR	NR	10 U	5 U	**0.07J**	**1**	25 U	25 U	**0.13J**	**1.1**	**0.48**	**0.11J**	**12**	5 U	0.07J	0.06J	**4.3 J**	**2 J**
Fluoranthene	(ug/L)	50	.11J	.18J	0.17	.064J	10 U	5 U	0.56	4B	25 U	25 U	.17J	11	1.3	0.27	15.1	5 U	0.15	3.7B	25 U	2.1 J
Fluorene	(ug/L)	50	NR	NR	NR	.092J	10 U	5 U	0.07J	2U	25 U	25 U	NR	**59**	0.71	.032J	10 U	5 U	0.06J	2U	25 U	25 U
Naphthalene	(ug/L)	10	NR	.081J	NR	**0**	10 U	5 U	0.08J	1.8	25 U	25 U	NR	**590**	NR	.086J	10 U	5 U	0.1 U	0.05J	25 U	25 U
Phenanthrene	(ug/L)	50	.076J	.10J	0.14	.12J	10 U	5 U	0.26	2U	25 U	25 U	.057J	32	0.86	.11J	10 U	5 U	0.1 U	2U	25 U	25 U
Pyrene	(ug/L)	50	.084J	.15J	0.14	.053J	10 U	5 U	0.39	3.3	25 U	25 U	.14J	5.9	0.69	.17J	11.3	5 U	0.09J	0.07	3.4 J	25 U

Bold Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Standards
Bold Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Guidance Value
NC No standard or guidance currently established
NR Not reported in Osmose document or data not available to Inventum.
Notes: U = not detected above reporting limit shown. J: Anlyte positively identified at estimated value shown. B: Analyte found in blank sample.
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Table 3
2020 Periodic Review Report
Post-Treatment Summary
Osmose Wook Preserving Site
Site No. 915143

Well ID		6 CRR-NY 703.5 Table 1 Standards and Guidance Values	MW-15					MW-17									
Casing Elevation	**(ft)**		639.52	639.52	639.52	639.52	639.52	NR	NR	NR	NR	639.75	639.75	639.75	639.75	639.75	639.75
Date			11/27/17	10/10/18	06/17/19	12/10/19	10/23/20	06/09/12	06/19/13	6/14	06/23/15	11/27/17	02/22/18	10/10/18	06/17/19	12/10/19	10/23/20
Depth to Water	(ft)		5.23	4.82	1.65	2.05	1.69	NR	NR	NR	NR	5.85	1.51	5.76	4.92	5.01	5.78
Water Elevation	(ft-msl)		634.29	634.70	637.87	637.47	637.83	-	-	-	-	633.90	638.24	633.99	634.83	634.74	633.97
Depth to Product	(ft)		ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Product Elevation	(ft-msl)		ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Ethylbenzene	(ug/L)	5	2 U	2.5 U	2.50U	2 U	1U	NR	NR	1.2	NR	3.26	2 U	3.4J	4.1J	2	10U
m,p-Xylene	(ug/L)	5	2 U	2.5 U	2.50U	4U	2 U	**30**	NR	**28**	**15**	**23.6**	2 U	**16**	**15**	**19**	**8.1 J**
o-Xylene	(ug/L)	5	2 U	2.5 U	2.50U				NR			**41**	2 U	**31**	**28**		
Isopropylbenzene	(ug/L)	5	2 U	NR	2.50U	2 U	1U	NR	NR	NR	NR	**11.6**	2 U	NA	6.6J	2.9	10U
Acenaphthene	(ug/L)	20	10 U	0.1 U	1.60	5 U	5 U	**34**	.052J	**51**	**190**	**400**	5 U	**260D**	**260D**	**120**	**170**
Benzo(b) fluoranthene	(ug/L)	0.002	10 U	0.05J	0.29J	5 U	**0.61 J**	**0.4**	**0.35**	**3.7**	NR	100 U	5 U	1.40	5.80	**0.69 J**	5.2 U
Fluoranthene	(ug/L)	50	10 U	0.03J	4.2B	5 U	0.80 J	1.4	0.7	6.7	12B	100 U	5 U	19.00	6.2B	6.8	8.5
Fluorene	(ug/L)	50	10 U	0.02J	2U	5 U	5 U	7.5	NR	11	**59**	**161**	5 U	**120D**	6	41	**80**
Naphthalene	(ug/L)	10	10 U	0.1 U	0.42	5 U	5 U	**36**	.14J	**77**	**44**	**974**	5 U	**540D**	**10**	**85**	**250**
Phenanthrene	(ug/L)	50	10 U	96D	0.96J	5 U	5 U	NR	0.26	2.3	23B	**159**	5 U	**96D**	**84**	12	**53**
Pyrene	(ug/L)	50	10 U	12.00	1.30	5 U	0.70 J	0.96	0.54	2.5	5.4	100 U	5 U	12.00	36.00	3.6 J	4.9 J

Bold Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Standards
Bold Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Guidance Value
NC No standard or guidance currently established
NR Not reported in Osmose document or data not available to Inventum.
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2) Historical COC exceeding water quality standards are shown.

Table 3
2020 Periodic Review Report
Post-Treatment Summary
Osmose Wook Preserving Site
Site No. 915143

Well ID		6 CRR-NY 703.5 Table 1 Standards and Guidance Values	MW-25						MW-28									
Casing Elevation	**(ft)**		639.42	639.42	639.42	639.42	639.42	639.42	NR	NR	NR	NR	639.71	639.71	639.71	639.71	639.71	639.71
Date			11/27/17	02/21/18	10/10/18	06/17/19	12/10/19	10/23/20	06/09/12	06/19/13	6/14	06/23/15	11/27/17	02/21/18	10/10/18	06/17/19	12/10/19	10/23/20
Depth to Water	(ft)		4.36	2.88	4.12	3.76	4.01	3.98	NR	NR	NR	NR	6.96	6.73	7.1	6.55	6.46	7.15
Water Elevation	(ft-msl)		635.06	636.54	635.30	635.66	635.41	635.44	-	-	-	-	632.75	632.98	632.61	633.16	633.25	632.56
Depth to Product	(ft)		ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Product Elevation	(ft-msl)		ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Ethylbenzene	(ug/L)	5	2 U	2 U	2.5 U	2.50U	1U	1U	NR	NR	NR	NR	2 U	2 U	2.5 U	2.5 U	1U	1U
m,p-Xylene	(ug/L)	5	2 U	2 U	2.5 U	2.50U	2 U	2 U	NR	NR	NR	NR	2 U	2 U	2.5 U	2.5 U	2 U	2 U
o-Xylene	(ug/L)	5	2 U	2 U	2.5 U	2.50U			NR	NR	NR	NR	2 U	2 U	2.5 U	2.5 U		
Isopropylbenzene	(ug/L)	5	2 U	2 U	NA	2.50U	1U	1U	NR	NR	NR	NR	2 U	2 U	NA	2.5 U	1U	1U
Acenaphthene	(ug/L)	20	10 U	5 U	0.08J	0.63	5 U	0.63 J	NR	.080J	NR	.15J	10 U	5 U	0.1 U	0.1 U	5 U	5 U
Benzo(b) fluoranthene	(ug/L)	0.002	10 U	5 U	0.26	1.10	5 U	5 U	NR	**1.4**	NR	NR	10 U	5 U	0.02J	0.07J	5 U	5 U
Fluoranthene	(ug/L)	50	10 U	5 U	0.54	4.1B	5 U	5 U	NR	1.9	NR	NR	10 U	5 U	0.1 U	3U	5 U	5 U
Fluorene	(ug/L)	50	10 U	5 U	0.03J	2U	5 U	5 U	NR	.047J	NR	NR	10 U	5 U	0.02J	2U	5 U	5 U
Naphthalene	(ug/L)	10	10 U	5 U	0.07J	1.40	5 U	5 U	NR	NR	NR	0.3	10 U	5 U	0.05J	0.05J	5 U	5 U
Phenanthrene	(ug/L)	50	10 U	5 U	0.10	2U	5 U	5 U	NR	0.5	NR	.093J	10 U	5 U	0.03J	2 U	5 U	5 U
Pyrene	(ug/L)	50	10 U	5 U	0.42	4.30	5 U	5 U	NR	1.2	NR	NR	10 U	5 U	0.1 U	0.12	5 U	5 U

Bold Indicates ex Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Standards
Bold Indicates ex Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Guidance Value
NC No standar No standard or guidance currently established
NR Not reporte Not reported in Osmose document or data not available to Inventum.
Notes: U = not det U = not detected above reporting limit shown. J: Anlyte positively identified at estimated value shown. B: Analyte found in blank sample.
1) The historical data presented herein are from Golder Associates, 2015, "Request for Shutdown/decommissioning of Groundwater Collection & Treatment System - Osmose Wood Preserving Site (Site #915143), 980 Ellicott Street, Buffalo, New York.

2) Historical COC exceeding water quality standards are shown.

Table 4
2020 Periodic Review Report
Historical Context
Osmose Wook Preserving Site
Site No. 915143

Well ID		6 CRR-NY 703.5 Table 1 Standards and Guidance Values	MW-5						MW-11					
			Before/During Remedial Action (a)		Post Remedial Action (b)		Last Event	Current	Before/During Remedial Action		Post Remedial Action		Last Event	Current
Date Range			December 2004 to June 2011		June 2012 to June 2015		12/10/19	10/23/20	December 2004 to June 2011		June 2012 to June 2015		12/10/19	10/23/20
			Minimum Detection	Maximum Detection	Minimum Detection	Maximum Detection			Minimum Detection	Maximum Detection	Minimum Detection	Maximum Detection		
Ethylbenzene	(ug/L)	5	ND	**64**	2	**5.3**	1U	1U	ND	ND	ND	ND	2 U	1U
m,p-Xylene	(ug/L)	5	**170**	**460**	**6.4**	**17**	2 U	2 U	ND	ND	ND	ND	4U	2 U
o-Xylene	(ug/L)	5												
Acenaphthene	(ug/L)	20	**670**	**35000**	0.75	**61**	25 U	25 U	ND	**20**	ND	0.23	25 U	25 U
Benzo(b) fluoranthene	(ug/L)	0.002	**5.2**	**770**	ND	**1.1**	25 U	25 U	**2.6**	**35**	ND	**0.12**	25 U	25 U
Fluoranthene	(ug/L)	50	**77**	**17000**	2.1	12	25 U	25 U	4.8	71	0.064	0.18	25 U	25 U
Fluorene	(ug/L)	50	**220**	**18000**	0.41	8.3	25 U	25 U	0.35	11	ND	0.092	25 U	25 U
Naphthalene	(ug/L)	10	**1400**	**27000**	ND	0.38	25 U	25 U	ND	**14**	ND	0.33	25 U	25 U
Phenanthrene	(ug/L)	50	**190**	**29000**	ND	0.88	25 U	25 U	1.8	24	0.076	0.14	25 U	25 U
Pyrene	(ug/L)	50	**50**	**8100**	1.2	9.3	25 U	25 U	2.8	49	0.053	0.15	25 U	25 U

Bold	Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Standards
Bold	Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Guidance Value
NC	No standard or guidance currently established
NR	Not reported in Osmose document or data not available to Inventum.
Notes:	U = not detected above reporting limit shown. J: Anlyte positively identified at estimated value shown. B: Analyte found in blank sample.

(a) The historical data presented herein are from Osmose Parking Lot Annual Remediation Status Report for July 1, 2014 to June 30, 2015. Appendix A. Table 1 - Analytical Results.

(b) The historical data presented herein are from Golder Associates, 2015, "Request for Shutdown/decommissioning of Groundwater Collection & Treatment System - Osmose Wood Preserving Site (Site #915143), 980 Ellicott Street, Buffalo, New York.

Table 4
2020 Periodic Review Report
Historical Context
Osmose Wook Preserving Site
Site No. 915143

Well ID		6 CRR-NY 703.5 Table 1 Standards and Guidance Values	MW-13						MW-17					
			Before/During Remedial Action		Post Remedial Action		Last Event	Current	Before/During Remedial Action		Post Remedial Action		Last Event	Current
Date Range			December 2004 to June 2011		June 2012 to June 2015		12/10/19	10/23/20	December 2004 to June 2011		June 2012 to June 2015		12/10/19	10/23/20
			Minimum Detection	Maximum Detection	Minimum Detection	Maximum Detection			Minimum Detection	Maximum Detection	Minimum Detection	Maximum Detection		
Ethylbenzene	(ug/L)	5	ND	ND	ND	ND	1U	1U	ND	**36.4**	ND	1.20	2	10U
m,p-Xylene	(ug/L)	5	ND	ND	ND	**59**	2 U	2 U	12	**371**	ND	ND	**19**	**8.1 J**
o-Xylene	(ug/L)	5												
Acenaphthene	(ug/L)	20	ND	6.1	ND	**170**	25 U	25 U	3.1	**1300**	0.052 J	**190**	**120**	**170**
Benzo(b) fluoranthene	(ug/L)	0.002	**2.30**	**15**	**0.11**	**1.1**	**4.3 J**	**2 J**	ND	**210**	ND	**3.7**	**0.69 J**	5.2 U
Fluoranthene	(ug/L)	50	1.8	17	0.17 J	11	25 U	2.1 J	21	**660**	0.7	12 B	6.8	8.5
Fluorene	(ug/L)	50	ND	6.1	ND	**59**	25 U	25 U	2.5	**630**	ND	**59**	41	**80**
Naphthalene	(ug/L)	10	ND	3.5	ND	**590**	25 U	25 U	ND	**2300**	0.14 J	**77**	**85**	**250**
Phenanthrene	(ug/L)	50	0.62	13	0.057 J	32	25 U	25 U	5.9	**1200**	ND	23 B	12	**53**
Pyrene	(ug/L)	50	1	15	0.14 J	5.9	3.4 J	25 U	15	**400**	0.54	2.5	3.6 J	4.9 J

Bold	Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Standards
Bold	Indicates exceeds 6 CRR-NY 703.5 Table 1 Ambient Water Quality Guidance Value
NC	No standard or guidance currently established
NR	Not reported in Osmose document or data not available to Inventum.
Notes:	U = not detected above reporting limit shown. J: Anlyte positively identified at estimated value shown. B: Analyte found in blank sample.

(a) The historical data presented herein are from Osmose Parking Lot Annual Remediation Status Report for July 1, 2014 to June 30, 2015. Appendix A. Table 1 - Analytical Results.

(b) The historical data presented herein are from Golder Associates, 2015, "Request for Shutdown/decommissioning of Groundwater Collection & Treatment System - Osmose Wood Preserving Site (Site #915143), 980 Ellicott Street, Buffalo, New York.

Table 4
2020 Periodic Review Report
Historical Context
Osmose Wook Preserving Site
Site No. 915143

Well ID		6 CRR-NY 703.5 Table 1 Standards and Guidance Values	MW-28					
			Before/During Remedial Action		Post Remedial Action		Last Event	Current
Date Range			December 2004 to June 2011		June 2012 to June 2015		12/10/19	10/23/20
			Minimum Detection	Maximum Detection	Minimum Detection	Maximum Detection		
Ethylbenzene	(ug/L)	5	ND	ND	ND	ND	1U	1U
m,p-Xylene	(ug/L)	5	ND	ND	ND	ND	2 U	2 U
o-Xylene	(ug/L)	5						
Acenaphthene	(ug/L)	20	ND	0.85	ND	0.15 J	5 U	5 U
Benzo(b) fluoranthene	(ug/L)	0.002	ND	**1.9**	ND	**1.4**	5 U	5 U
Fluoranthene	(ug/L)	50	ND	2.8	ND	1.9	5 U	5 U
Fluorene	(ug/L)	50	ND	1.8	ND	0.061 J	5 U	5 U
Naphthalene	(ug/L)	10	ND	0.79	ND	0.3	5 U	5 U
Phenanthrene	(ug/L)	50	0.22	3.6	ND	0.5	5 U	5 U
Pyrene	(ug/L)	50	ND	1.9	ND	1.2	5 U	5 U

Table 5
Proposed SMP Groundwater Monitoring Revisions
Osmose Wook Preserving Site
Site No. 915143

Well ID	Annual Inspection	Annual Water Level Collection	Biennial Groundwater Sampling (TCL VOCs and SVOCs)
MW-001	x	x	
MW-002	x	x	
MW-5	x	x	
MW-11	x	x	
MW-13	x	x	
MW-15	x	x	x
MW-17	x	x	x
MW-24	x	x	
MW-25	x	x	
MW-28	x	x	x
RW-1	x	x	

Figures



Reference:

A. Basemap from "Map Showing Monitoring Well Locations at 780 Ellicott LLC". July 8, 2017. Niagara Boundary and Mapping Services.
B. Only wells part of the monitoring network are shown

B

DRAWING BY	J. BLACK II
CHECKED	T. WALDROP
APPROVED	J. BLACK

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780 ELLICOTT STREET
FIGURE 1
PRR MONITORING SITE LAYOUT

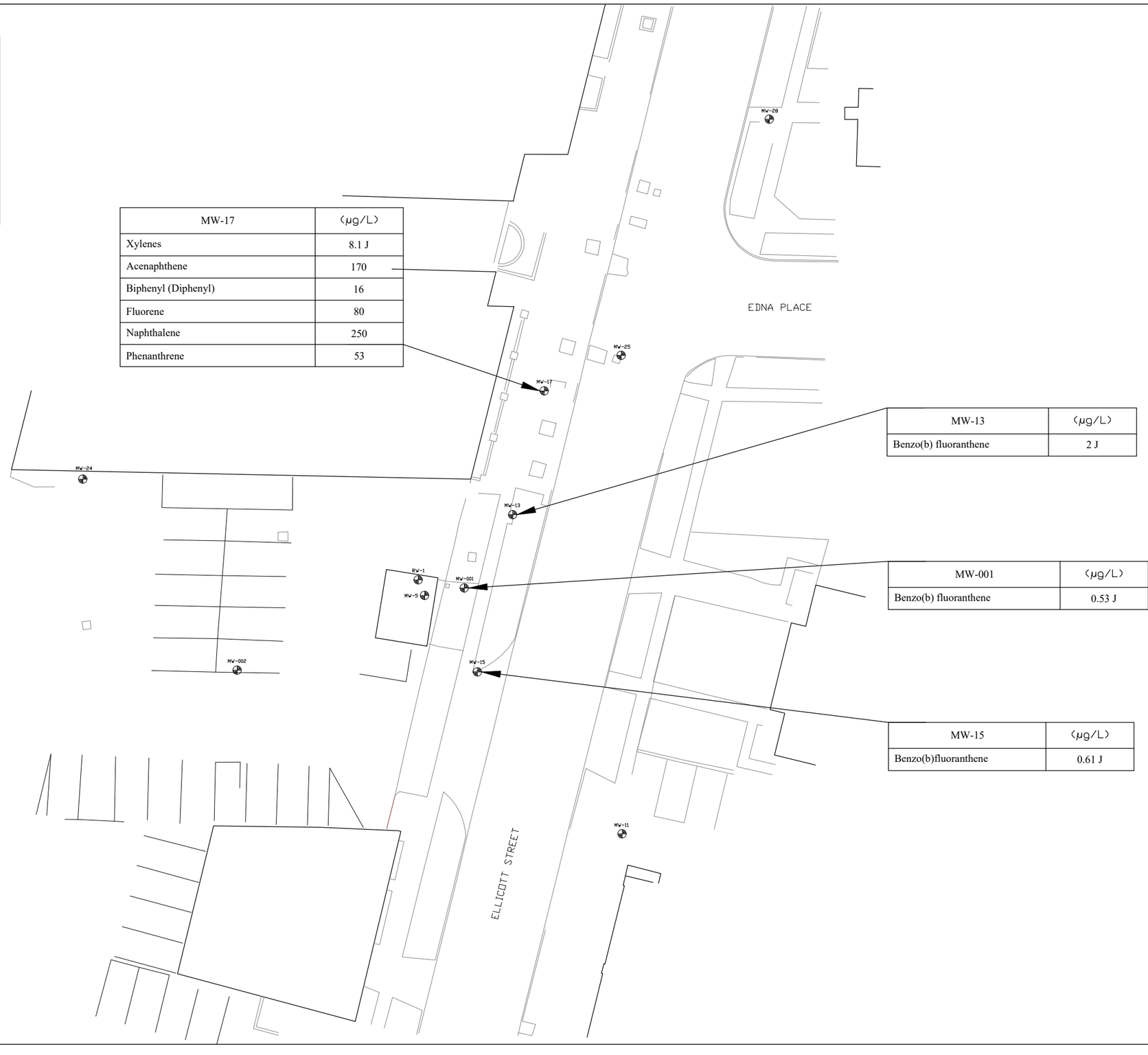
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SUITE 202
HERNDON, VIRGINIA 20170

FIGURE- 01

DRAWING NUMBER: 01 of 07

6 CRR-NY 703.5 Table 1 Standards and Guidance Values	(µg/L)
Xylenes	5
Acenaphthene	20
Benzo(b) fluoranthene	0.002
Biphenyl (Diphenyl)	5
Fluorene	50
Naphthalene	10
Phenanthrene	50

Note: Analytes/data only shown if at least one sample exceeded the relevant Standard or Guidance Value.



MW-17	(µg/L)
Xylenes	8.1 J
Acenaphthene	170
Biphenyl (Diphenyl)	16
Fluorene	80
Naphthalene	250
Phenanthrene	53

MW-13	(µg/L)
Benzo(b) fluoranthene	2 J

MW-001	(µg/L)
Benzo(b) fluoranthene	0.53 J

MW-15	(µg/L)
Benzo(b)fluoranthene	0.61 J

N

Reference:
1. Groundwater elevations reported in feet above mean sea level.
2. Base survey from "Map Showing Monitoring Well Locations at 780 Ellicott LLC". July 8, 2017. Niagara Boundary and Mapping Services. JOb No. 9652–14.

B

1" = 30'

30' 15' 0' 30'

DRAWING BY: TW
CHECKED:
APPROVED:

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OCTOBER 2020
GROUNDWATER MONITORING
RESULTS
780 ELLICOTT STREET
NYSDEC SITE NO. 915143

INVENTUM ENGINEERING
481 CARLISLE DRIVE
SUITE 202
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

FIGURE 2

DRAWING NUMBER

B

N

30' 15' 0' 30'

1" = 30'

Legend/Reference:
1. Groundwater elevations shown in blue and reported in feet above mean sea level. Approximate groundwater flow paths shown in red arrows.
2. Base survey from "Map Showing Monitoring Well Locations at 780 Ellicott LLC", July 8, 2017. Niagara Boundary and Mapping Services. Job No. 9652-14.

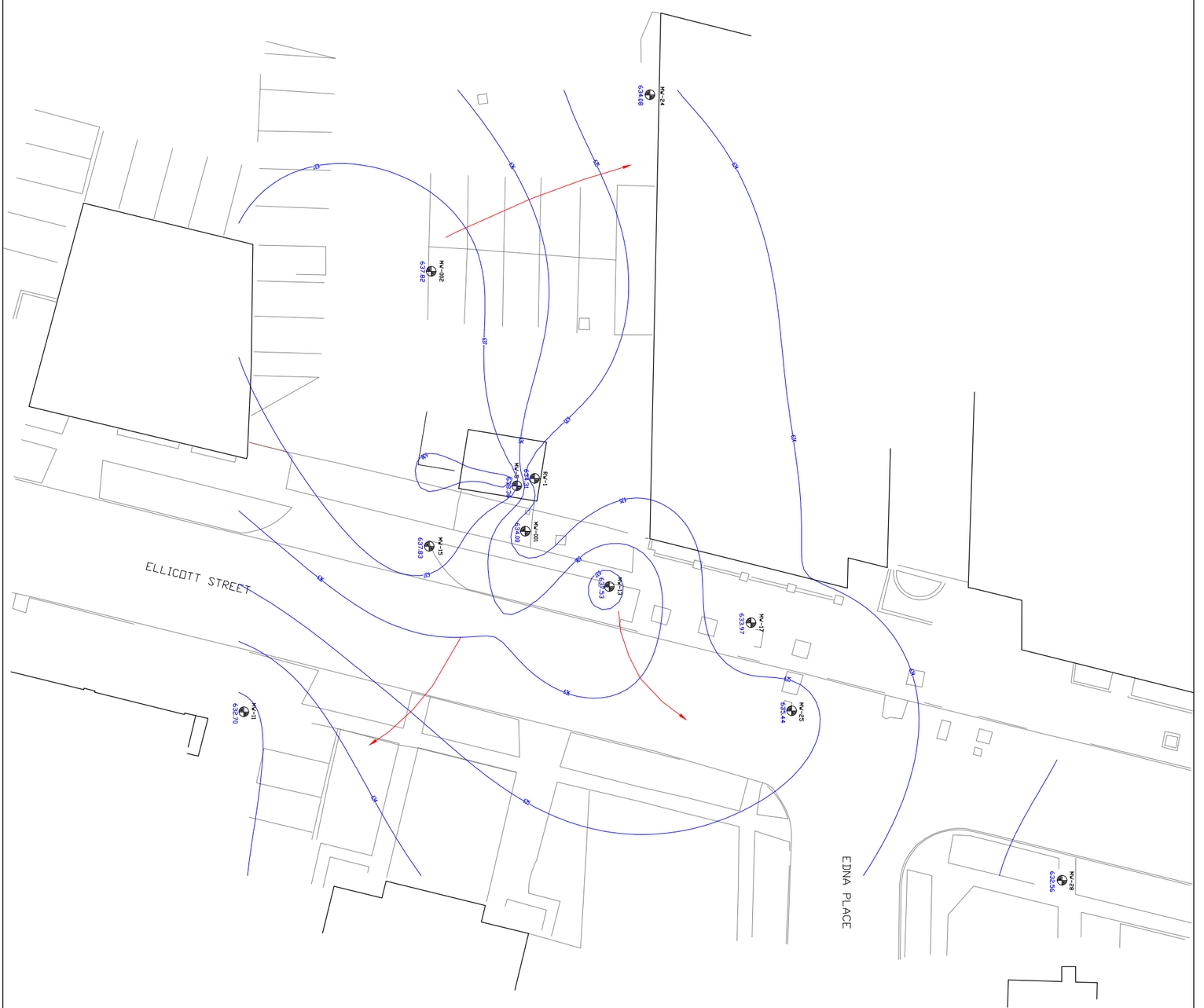


FIGURE 3

DRAWING NUMBER

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OCTOBER 2020 GROUNDWATER ELEVATION MAP
780 ELLICOTT STREET
NYSDEC SITE NO. 915143

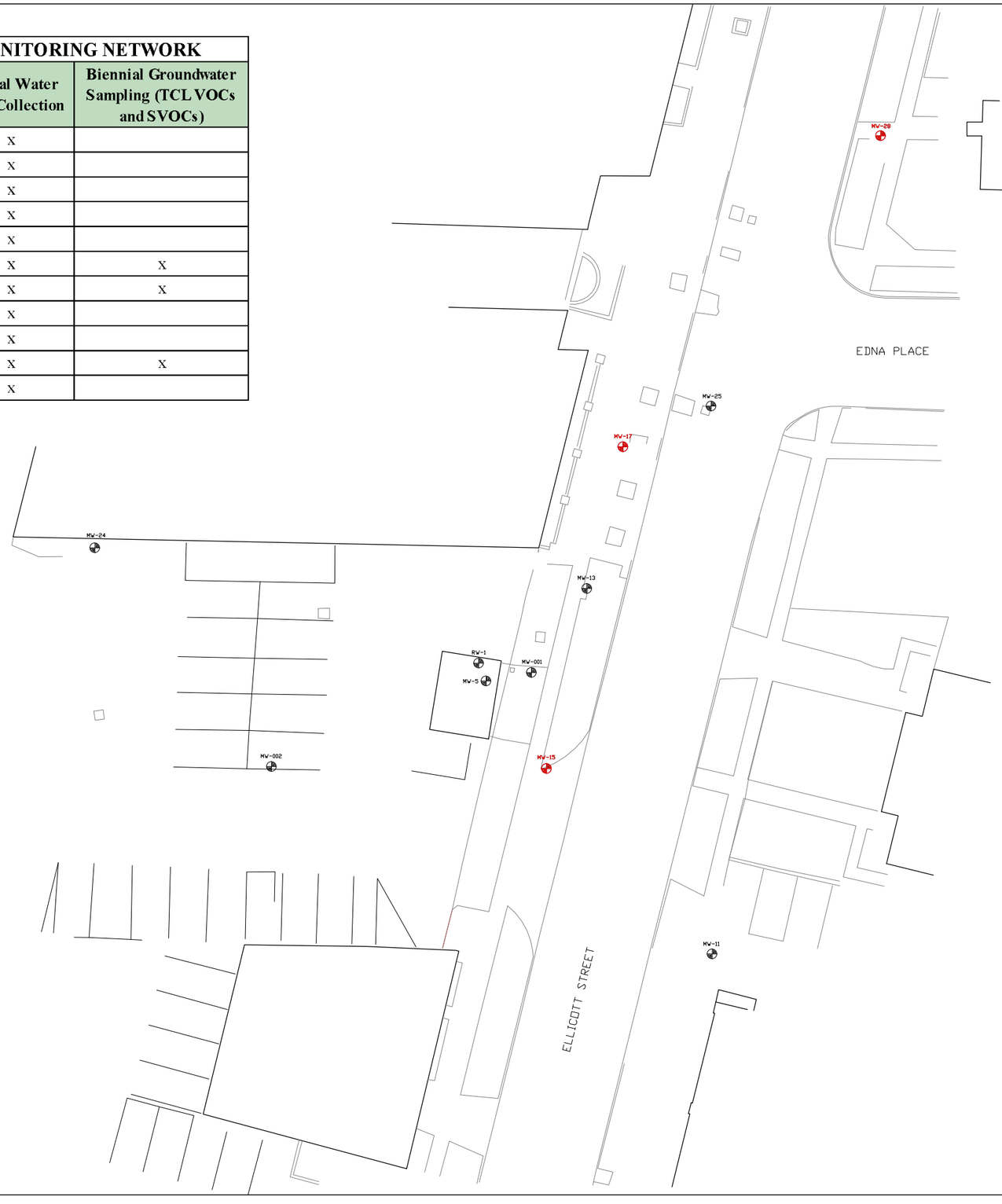
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PROPOSED GROUNDWATER MONITORING NETWORK			
Well ID	**Annual Inspection**	**Annual Water Level Collection**	**Biennial Groundwater Sampling (TCL VOCs and SVOCs)**
MW-001	X	X	
MW-002	X	X	
MW-5	X	X	
MW-11	X	X	
MW-13	X	X	
MW-15	X	X	X
MW-17	X	X	X
MW-24	X	X	
MW-25	X	X	
MW-28	X	X	X
RW-1	X	X	



N

Reference:
1. Groundwater elevations reported in feet above mean sea level.
2. Base survey from "Map Showing Monitoring Well Locations at 780 Ellicott LLC". July 8, 2017. Niagara Boundary and Mapping Services. JOb No. 9652–14.

B

1" = 30'

30' 15' 0' 30'

DRAWING BY: TW
CHECKED:
APPROVED:

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PROPOSED BIENNIAL GROUNDWATER SAMPLING NETWORK
780 ELLICOTT STREET
NYSDEC SITE NO. 915143

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SUITE 202
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FIGURE 4

DRAWING NUMBER

Appendices

Appendix A – Site Inspection Forms

Site Inspection Form
980 Ellicott Street
Buffalo, New York

Date of Inspection: 10/23/2020
Inspector: BCH
Weather: Sunny, 58°F
Ground Conditions: dry

This Form shall be completed each year prior to the Periodic Review Report and following any emergency that could compromise the Institutional or Engineering Controls at the Site. The site is shown on Figure H-1

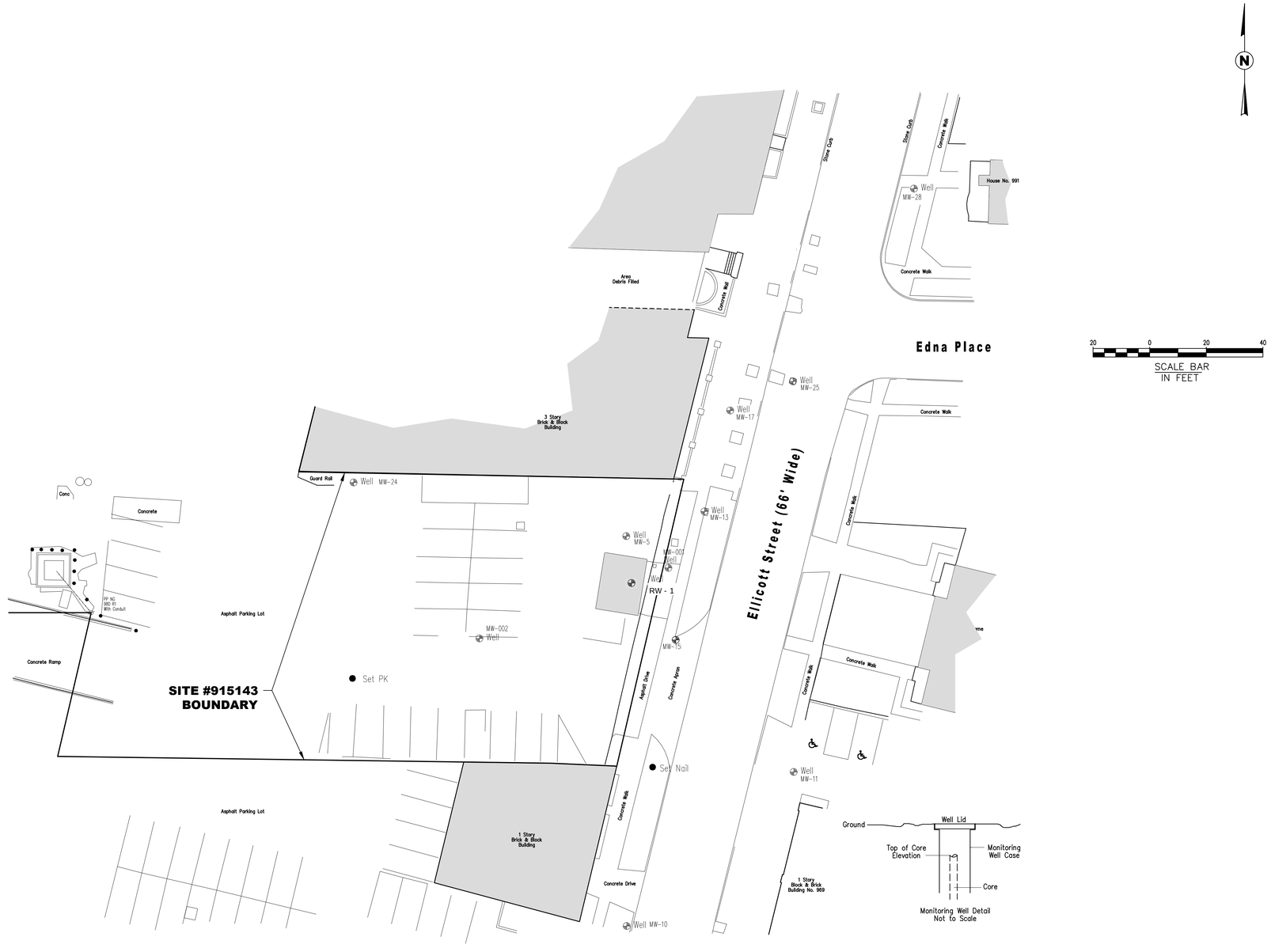
Overall Site Condition:

1. Site Use – not used, vacant
1.1. Industrial
1.2. Commercial
1.3. Residential

2. Security – good
2.1. Fence – good
2.2. Gate – good, locked

3. Pavement – good
3.1. Cracking – minor, some
3.2. Drainage – good, no observed ponding

4. Monitoring Wells
- see following pages (MW Inspection Forms)



JBlack CONSULTING LLC

REVISION

No.	Description	Date

FIGURE 2
MONITORING WELL
LOCATION MAP

FIGURE TITLE:

CLIENT NAME:

780 ELLICOTT STREET, LLC
333 GANSON STREET
BUFFALO, NEW YORK

PROJECT NAME:

SITE MANAGEMENT PLAN

FIGURE No.

SMP-002

SHEET No. 1 of 1

ORION
Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-001

low-flow purge and sample

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	broken, no bolts
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Epoxy (FRE)
Well Diameter (inches):	4
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	none
Water Level (fbTOR):	6.03
Prev. Total Depth (fbTOR):	23.15
Measured Total Depth (fbTOR):	23.01
Other:	

Comments/Corrective Actions:

needs a lock

replace road box (no bolts)

needs J-plug

soft bottom, may need redevelopment

PREPARED BY: DATE: 10/23/20

ORION Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.: **MW-002**

purged only

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	no bolts
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Epoxy (FRE)
Well Diameter (inches):	2
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	none
Water Level (fbTOR):	3.19
Prev. Total Depth (fbTOR):	8.18
Measured Total Depth (fbTOR):	8.12
Other:	

Comments/Corrective Actions:

needs a lock

replace road box (no bolts)

needs J-plug

soft bottom, may need redevelopment

PREPARED BY: Bya C. Ha DATE: 10/23/20

ORION
Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-5

low-flow purge and sample

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	no bolts
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	actual location of well is inside fmr. Treatment shed, need to change Site Plan drawing

INTERIOR INSPECTION

Well Material:	PVC
Well Diameter (inches):	2
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	none
Water Level (fbTOR):	5.57
Prev. Total Depth (fbTOR):	17.36
Measured Total Depth (fbTOR):	17.33
Other:	

Comments/Corrective Actions:

needs a lock

needs J-plug

location on site map needs to be adjusted, actually located within fmr. Treatment shed

soft bottom, may need redevelopment

PREPARED BY: Bya C. Ha DATE: 10/23/20

ORION Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-11

low-flow purge and sample

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	no bolts
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Plastic (FRP)
Well Diameter (inches):	2
Well Riser:	good
Annular Space:	filled w/ standing water, required removal
Well Cap / J-plug:	good
Water Level (fbTOR):	7.02
Prev. Total Depth (fbTOR):	16.16
Measured Total Depth (fbTOR):	16.11
Other:	

Comments/Corrective Actions:

needs a lock

needs weep hole to drain standing water

replace road box (no bolts)

soft bottom, may need redevelopment

PREPARED BY: Bya C. Ha DATE: 10/23/20

ORION Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-13

low-flow purge and sample

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	bolts do not tighten
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	slight obstruction at approx. 2.5 fbTOR, difficult to insert tubing, used disposable bailer as a guide

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Plastic (FRP)
Well Diameter (inches):	4 to 2.5 fbTOR, then 2-inch diameter to bottom
Well Riser:	poor - obstruction at 2.5 fbTOR
Annular Space:	good
Well Cap / J-plug:	good
Water Level (fbTOR):	1.92
Prev. Total Depth (fbTOR):	11.96
Measured Total Depth (fbTOR):	11.66
Other:	

Comments/Corrective Actions:

needs a lock

replace road box (bolts do not tighten)

need to repair damaged riser at obstruction

soft bottom, may need redevelopment

PREPARED BY: Bya C. Ha DATE: 10/23/20

ORION
Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-15

low-flow purge and sample

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	bolts do not tighten
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Epoxy (FRE)
Well Diameter (inches):	2
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	good
Water Level (fbTOR):	1.69
Prev. Total Depth (fbTOR):	14.95
Measured Total Depth (fbTOR):	14.95
Other:	

Comments/Corrective Actions:

needs a lock

replace road box (bolts do not tighten)

soft bottom, may need redevelopment

PREPARED BY: DATE: 10/23/20

ORION Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-17

low-flow purge and sample

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	bolts do not tighten
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Epoxy (FRE)
Well Diameter (inches):	2
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	good
Water Level (fbTOR):	5.78
Prev. Total Depth (fbTOR):	12.32
Measured Total Depth (fbTOR):	12.16
Other:	

Comments/Corrective Actions:

needs a lock

replace road box (bolts do not tighten)

soft bottom, may need redevelopment

PREPARED BY: DATE: 10/23/20

ORION
Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-24

purged only

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	no bolts
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Epoxy (FRE)
Well Diameter (inches):	2
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	good
Water Level (fbTOR):	6.51
Prev. Total Depth (fbTOR):	13.44
Measured Total Depth (fbTOR):	13.42
Other:	

Comments/Corrective Actions:

needs a lock

replace road box

soft bottom, may need redevelopment

PREPARED BY: DATE: 10/23/20

ORION Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-25

low-flow purge and sample

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	no bolts
Concrete Surface Seal:	broken/cracked
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Epoxy (FRE)
Well Diameter (inches):	2
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	poor, can not close road box cover with J-plug on
Water Level (fbTOR):	3.98
Prev. Total Depth (fbTOR):	8.15
Measured Total Depth (fbTOR):	8.18
Other:	currently using duct tape as TOR plug

Comments/Corrective Actions:

needs a lock

replace road box

soft bottom, may need redevelopment

PREPARED BY: Bya C. Ha DATE: 10/23/20

ORION Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.:

MW-28

low-flow purge and sample

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	no bolts
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Epoxy (FRE)
Well Diameter (inches):	2
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	good
Water Level (fbTOR):	7.15
Prev. Total Depth (fbTOR):	13.01
Measured Total Depth (fbTOR):	13.05
Other:	

Comments/Corrective Actions:

replace road box

hard bottom

PREPARED BY: DATE: 10/23/20

ORION Environmental Solutions, LLC

MONITORING WELL INSPECTION FORM

Project:	2020 Annual GWM
Client:	780 Ellicott Street, LLC
Job No.:	0006-001-011
Date:	October 23, 2020
Time:	NA

WELL I.D.: **RW-1**

purged only

EXTERIOR INSPECTION

Protective Casing:	NA, flush-mount well
Lock:	none
Hinge / Lid:	bolts do not tighten
Concrete Surface Seal:	good
Bollards:	NA
Label / I.D.:	yes, paint marking on road box
Other:	

INTERIOR INSPECTION

Well Material:	Fiber-Reinforced Epoxy (FRE)
Well Diameter (inches):	6
Well Riser:	good
Annular Space:	good
Well Cap / J-plug:	good
Water Level (fbTOR):	5.89
Prev. Total Depth (fbTOR):	22.69
Measured Total Depth (fbTOR):	22.78
Other:	

Comments/Corrective Actions:

needs a lock

needs J-plug

soft bottom, may need redevelopment

PREPARED BY: DATE: 10/23/20

Photographs

Note:

1. Photographs to be inserted here.
2. Reference all Photographs to Figure H-1.
3. Photographs shall be taken of any damages or violations of the Institutional Controls.

SITE RECONNAISANCE PHOTOGRAPHIC LOG

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1: Asphalt-covered parking area and building (looking NE).

Photo 2: Asphalt-covered (foreground) and stone-covered areas (background), and building (right) (looking N).

Photo 3: Asphalt parking area and on-site building (looking E).

Photo 4: Stone-covered area and building (looking E).

Former Osmose Facility 980 Ellicott Street Buffalo, New York Photo Date: 2020-10-23	ORION Environmental Solutions, LLC

SITE RECONNAISANCE PHOTOGRAPHIC LOG

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: Asphalt covered area (south of building) with building (right) (looking NW).

Photo 6: Stone-covered area and building (looking E).

Photo 7: Stone-covered area and building (left) (looking W).

Photo 8: Stone-covered area and building (right) adjacent to sidewalk and Ellicott Street (left) (looking S).

Former Osmose Facility 980 Ellicott Street Buffalo, New York Photo Date: 2020-10-23	ORION Environmental Solutions, LLC

SITE RECONNAISANCE PHOTOGRAPHIC LOG

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9: Former groundwater treatment building (looking N).

Photo 10: Ellicott Street side of Site (at right) showing in-tact security fence/gate and building (background) (looking N).

Photo 11: Ellicott Street side of Site (right) showing sidewalk and in-tact security fencing (at left) (looking (N).

Photo 12: Inside of former groundwater treatment building (looking E).

H-2 Sampling Log

ORION Environmental Solutions, LLC

GROUNDWATER FIELD FORM

Project Name: ~~Semi~~ Annual Groudwater Monitoring Date: 10/23/2020

Location: 980 Ellicott Street, Buffalo, NY Project No.: 0006-001-003 Field Team: BCH, ZR

Well No. MW-001			Diameter (inches): 4			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 16.98			DTW when sampled: 6.79			
DTW (static) (fbTOR): 6.03			One Well Volume (gal): 11.09			Purpose: ☐ Development ☒ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 23.01 ~~21.61~~			Total Volume Purged (gal): 0.65			Purge Method: ~~NO-PURGE - HydraSleeve Sampler~~ low-flow			

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1048	0 Initial	0.1	7.90	17.7	1.427	524.09	7.98	+266.4	turbid, petro like odor
1054	1 6.41	0.3	7.92	17.5	0.713	154.98	8.08	+263.1	" "
1056	2 6.58	0.5	7.88	17.3	1.426	345.34	7.99	+266.8	" "
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1100	S1 6.79	0.65	7.87	17.2	1.403	154.48	8.09	+270.0	turbid, petro like odor
	S2								

Well No. MW-05			Diameter (inches): 2			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 11.76			DTW when sampled: 7.29			
DTW (static) (fbTOR): 5.57			One Well Volume (gal): 1.92			Purpose: ☐ Development ☒ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 17.33 ~~18.00~~			Total Volume Purged (gal): 0.65			Purge Method: ~~NO-PURGE - HydraSleeve Sampler~~ low-flow			

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
~~[illegible]~~	0 ~~Initial~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
1251	1 ~~Initial~~	0.1	7.93	17.6	0.268	166.19	6.06	+190.7	turbid, none
1254	2 6.04	0.3	7.76	17.6	0.238	148.03	6.84	+214.8	" "
1258	3 6.61	0.5	7.73	17.6	0.488	137.29	6.84	+227.6	" "
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1301	S1 7.29	0.65	7.62	17.9	0.569	106.27	6.56	+241.2	turbid, none
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

ORION Environmental Solutions, LLC

GROUNDWATER FIELD FORM

Project Name: ~~Semi~~-Annual Groudwater Monitoring Date: 10/23/2020

Location: 980 Ellicott Street, Buffalo, NY Project No.: 0006-001-003 Field Team: BCH, ZR

Well No. MW-11			Diameter (inches): 2			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 9.09			DTW when sampled: 10.11			
DTW (static) (fbTOR): 7.02			One Well Volume (gal): 1.48			Purpose: ☐ Development ☒ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 16.11 ~~17.00~~			Total Volume Purged (gal): 0.65			Purge Method: ~~NO PURGE~~ ~~HydraSleeve Sampler~~ low flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (µS/m)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1138	0 Initial	0.1	11.77	18.7	4.271	66.95	3.42	+139.0	clear, none
1140	1 8.40	0.3	11.80	18.8	3.736	65.74	4.45	+121.4	" "
1143	2 9.29	0.5	11.76	18.8	3.019	61.22	3.73	+102.9	" "
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1145	S1 10.11	0.65	11.67	18.8	1.298	47.32	5.28	+102.1	clear, none
	S2								

Well No. MW-13			Diameter (inches): 2			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 9.74			DTW when sampled: 1.98			
DTW (static) (fbTOR): 1.92			One Well Volume (gal): 1.59			Purpose: ☐ Development ☒ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 11.~~67~~66			Total Volume Purged (gal): 0.65			Purge Method: ~~NO PURGE~~ ~~HydraSleeve Sampler~~ low flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (µS/m)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1026	0 Initial	0.1	9.86	18.4	0.158	369.15	8.25	+173.5	turbid, none
1032	1 1.98	0.3	9.57	18.3	0.153	284.54	8.50	+194.6	" "
1034	2 1.98	0.5	9.32	18.3	0.080	215.20	8.36	+209.3	" "
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1037	S1 1.98	0.65	9.10	18.2	0.161	352.34	8.25	+215.8	turbid, none
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

ORION Environmental Solutions, LLC

GROUNDWATER FIELD FORM

Project Name: ~~Semi~~-Annual Groudwater Monitoring Date: 10/23/2020

Location: 980 Ellicott Street, Buffalo, NY Project No.: 0006-001-003 Field Team: BCH, ZR

Well No. MW-15 Diameter (inches): 2 Sample Date / Time: 10/23/2020

Product Depth (fbTOR): NA Water Column (ft): 13.26 DTW when sampled: 3.70

DTW (static) (fbTOR): 1.69 One Well Volume (gal): 2.16 Purpose: ☐ Development ☒ Sample ☒ Purge & Sample

Total Depth (fbTOR): 14.95 ~~14.41~~ Total Volume Purged (gal): 0.65 Purge Method: ~~NO-PURGE~~ ~~HydraSleeve Sampler~~ low-flow

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (µS/m)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1110	0	Initial	0.1	8.32	19.2	0.618	475.65	8.15	+250.8	turbid, sl. petro-like odor
1115	1	3.21	0.3	8.10	19.2	1.235	121.55	7.98	+256.4	" "
1118	2	3.52	0.5	8.09	19.3	1.227	148.73	8.00	+258.7	" "
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1120	S1	3.70	0.65	8.06	19.3	1.246	99.17	7.83	+262.7	sl. turbid, sl. petro-like odor
	S2									

Well No. MW-17 Diameter (inches): 2 Sample Date / Time: 10/23/2020

Product Depth (fbTOR): NA Water Column (ft): 6.38 DTW when sampled: 7.73

DTW (static) (fbTOR): 5.78 One Well Volume (gal): 1.04 Purpose: ☐ Development ☒ Sample ☒ Purge & Sample

Total Depth (fbTOR): 12.16 ~~14.61~~ Total Volume Purged (gal): 0.85 Purge Method: ~~NO-PURGE~~ ~~HydraSleeve Sampler~~ low-flow

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (µS/m)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
951	0	Initial	0.1	11.89	18.3	4.223	>20K	15.54	+100.4	milky white, none
1000	1	6.99	0.3	11.16	18.3	1.840	2164.37	12.75	+79.2	" "
1003	2	7.19	0.5	11.95	18.3	2.634	>20K	15.24	+74.6	" "
1005	3	7.59	0.7	11.18	18.4	2.143	1912.54	11.87	+71.1	" "
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1008	S1	7.73	0.85	11.10	18.3	2.198	1965.21	11.17	+79.1	milky white, none
	S2									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

ORION Environmental Solutions, LLC

GROUNDWATER FIELD FORM

Project Name: ~~Semi~~-Annual Groudwater Monitoring Date: 10/23/2020

Location: 980 Ellicott Street, Buffalo, NY Project No.: 0006-001-003 Field Team: BCH, ZR

Well No. MW-25			Diameter (inches): 2			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 4.20			DTW when sampled: 4.71			
DTW (static) (fbTOR): 3.98			One Well Volume (gal): 0.68			Purpose: ☐ Development ☒ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 8.18 ~~8.02~~			Total Volume Purged (gal): 0.65			Purge Method: ~~NO-PURGE - HydraSleeve Sampler~~ low flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (mS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
935	0 Initial	0.1	10.24	19.2	1.248	545.22	10.54	+166.4	turbid, none
939	1 4.41	0.3	9.73	19.2	1.208	149.74	10.31	+190.5	" "
941	2 4.57	0.5	9.60	19.2	1.183	110.44	10.20	+194.8	" "
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
944	S1 4.71	0.65	9.36	19.2	1.173	93.74	9.12	+204.8	sl. turbid, none
	S2								

Well No. MW-28			Diameter (inches): 2			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 5.90			DTW when sampled: 8.39			
DTW (static) (fbTOR): 7.15			One Well Volume (gal): 0.96			Purpose: ☐ Development ☒ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 13.045			Total Volume Purged (gal): 0.65			Purge Method: ~~NO-PURGE - HydraSleeve Sampler~~ low-flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (mS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
915	0 Initial	0.1	7.22	18.0	1.755	33.09	8.42	+318.7	clear, none
919	1 7.84	0.3	7.40	18.0	0.900	10.74	8.29	+313.4	" "
921	2 8.19	0.5	7.46	18.0	0.888	4.98	8.33	+311.8	" "
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
924	S1 8.39	0.65	7.42	18.0	0.911	6.54	7.93	+312.6	clear, none
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

ORION Environmental Solutions, LLC

GROUNDWATER FIELD FORM

Project Name: ~~Semi~~-Annual Groudwater Monitoring Date: 10/23/2020

Location: 980 Ellicott Street, Buffalo, NY Project No.: 0006-001-003 Field Team: BCH, ZK

Well No. MW-002			Diameter (inches): 2			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 4.93			DTW when sampled: NA			
DTW (static) (fbTOR): 3.19			One Well Volume (gal): 0.80			Purpose: ☐ Development ☐ Sample ☑ Purge			
Total Depth (fbTOR): ~~8.22~~ 8.12			Total Volume Purged (gal): 3.0			Purge Method: PERISTALTIC PUMP - PURGE ONLY			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (~~uS~~ mS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
1159	1 3.82	1.0	8.54	19.6	0.107	139.29	4.63	+193.2	turbid, none
1208	2 4.04	2.0	8.31	19.7	0.245	33.89	5.22	+228.2	clear, none
1217	3 4.27	3.0	8.05	19.9	0.283	64.50	4.90	+246.7	" "
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

Well No. MW-24			Diameter (inches): 2			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 6.91			DTW when sampled: NA			
DTW (static) (fbTOR): 6.51			One Well Volume (gal): 1.13			Purpose: ☐ Development ☐ Sample ☑ Purge			
Total Depth (fbTOR): 13.42 ~~14.30~~			Total Volume Purged (gal): 3.6			Purge Method: PERISTALTIC PUMP - PURGE ONLY			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (~~uS~~ mS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
1225	1 6.51	1.2	7.26	19.9	4.028	82.77	3.80	-89.8	sl. turbid, none
1230	2 7.86	2.4	7.36	20.3	2.954	54.72	3.48	-69.0	" "
1240	3 9.05	3.6	7.30	20.4	2.810	44.08	3.38	-68.2	" "
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

ORION Environmental Solutions, LLC

GROUNDWATER FIELD FORM

Project Name: ~~Semi~~-Annual Groudwater Monitoring Date: 10/23/2020

Location: 980 Ellicott Street, Buffalo, NY Project No.: 0006-001-003 Field Team: BCH, ZR

Well No. RW-1			Diameter (inches): 6			Sample Date / Time: 10/23/2020			
Product Depth (fbTOR): NA			Water Column (ft): 16.89			DTW when sampled: NA			
DTW (static) (fbTOR): 5.89			One Well Volume (gal): 24.81			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 22.78 ~~22.30~~			Total Volume Purged (gal):			Purge Method: PERISTALTIC PUMP - PURGE ONLY			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1308	0 Initial	0.5	7.50	16.4	2.207	129.35	4.85	-88.1	turbid, petro-like odor
1315	1 6.72	2.0	7.49	16.2	2.281	45.05	2.95	-130.6	clear, " "
1328	2 7.57	4.0	7.49	16.1	2.243	39.25	2.94	-143.9	" " "
1338	3 8.11	6.0	7.47	16.4	2.217	10.45	2.71	-166.9	" " "
1346	4 8.38	8.0	7.41	16.3	2.203	19.34	2.89	-164.5	" " "
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

Well No.			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR):			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

Appendix B – Analytical Data

ANALYTICAL REPORT

Job Number: 480-177111-1

Job Description: 980 Ellicott St - 2020

For:
Inventum Engineering LLC
481 Carlisle Dr
Suite 202
Herndon, VA 20170

Attention: Todd Waldrop



Approved for release.
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Project Management Assistant I
11/5/2020 9:24 AM

Designee for
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11/05/2020

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Job Narrative
480-177111-1

Comments
No additional comments.

Receipt
The samples were received on 10/23/2020 2:45 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-17 (480-177111-6). pH is 11.

Method 8260C: The following sample was diluted due to the abundance of non-target analytes: MW-17 (480-177111-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to the nature of the sample matrix: MW-5 (480-177111-2), MW-11 (480-177111-3) and MW-13 (480-177111-4). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-17 (480-177111-6). Elevated reporting limits (RLs) are provided.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-557147 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol and Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Inventum Engineering LLC
Project/Site: 980 Ellicott St - 2020

Job ID: 480-177111-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177111-1	MW-001	Water	10/23/20 11:00	10/23/20 14:45	
480-177111-2	MW-5	Water	10/23/20 13:01	10/23/20 14:45	
480-177111-3	MW-11	Water	10/23/20 11:45	10/23/20 14:45	
480-177111-4	MW-13	Water	10/23/20 10:37	10/23/20 14:45	
480-177111-5	MW-15	Water	10/23/20 11:20	10/23/20 14:45	
480-177111-6	MW-17	Water	10/23/20 10:08	10/23/20 14:45	
480-177111-7	MW-25	Water	10/23/20 09:44	10/23/20 14:45	
480-177111-8	MW-28	Water	10/23/20 09:24	10/23/20 14:45	
480-177111-9	TRIP BLANK	Water	10/23/20 00:00	10/23/20 14:45	

Detection Summary

Client: Inventum Engineering LLC
Project/Site: 980 Ellicott St - 2020

Job ID: 480-177111-1

Client Sample ID: MW-001 — Lab Sample ID: 480-177111-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	4.2	J	5.0	0.41	ug/L	1		8270D	Total/NA
Benzo(b)fluoranthene	0.53	J	5.0	0.34	ug/L	1		8270D	Total/NA
Dibenzofuran	0.65	J	10	0.51	ug/L	1		8270D	Total/NA
Fluoranthene	1.6	J	5.0	0.40	ug/L	1		8270D	Total/NA
Pyrene	0.48	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 480-177111-2

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 480-177111-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.1		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 480-177111-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(b)fluoranthene	2.0	J	25	1.7	ug/L	5		8270D	Total/NA
Fluoranthene	2.1	J	25	2.0	ug/L	5		8270D	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 480-177111-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(b)fluoranthene	0.61	J	5.0	0.34	ug/L	1		8270D	Total/NA
Benzo(g,h,i)perylene	0.43	J	5.0	0.35	ug/L	1		8270D	Total/NA
Fluoranthene	0.80	J	5.0	0.40	ug/L	1		8270D	Total/NA
Pyrene	0.70	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-17 — Lab Sample ID: 480-177111-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	8.1	J	20	6.6	ug/L	10		8260C	Total/NA
Biphenyl	16		5.2	0.68	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	46		5.2	0.63	ug/L	1		8270D	Total/NA
Acenaphthene	130	E	5.2	0.43	ug/L	1		8270D	Total/NA
Acenaphthylene	2.8	J	5.2	0.40	ug/L	1		8270D	Total/NA
Anthracene	7.6		5.2	0.29	ug/L	1		8270D	Total/NA
Carbazole	6.7		5.2	0.31	ug/L	1		8270D	Total/NA
Dibenzofuran	63		10	0.53	ug/L	1		8270D	Total/NA
Fluoranthene	8.5		5.2	0.42	ug/L	1		8270D	Total/NA
Fluorene	71	E	5.2	0.38	ug/L	1		8270D	Total/NA
Naphthalene	120	E	5.2	0.79	ug/L	1		8270D	Total/NA
Phenanthrene	53		5.2	0.46	ug/L	1		8270D	Total/NA
Pyrene	4.9	J	5.2	0.35	ug/L	1		8270D	Total/NA
Biphenyl - DL	16	J	26	3.4	ug/L	5		8270D	Total/NA
2-Methylnaphthalene - DL	48		26	3.1	ug/L	5		8270D	Total/NA
Acenaphthene - DL	170		26	2.1	ug/L	5		8270D	Total/NA
Acenaphthylene - DL	2.6	J	26	2.0	ug/L	5		8270D	Total/NA
Anthracene - DL	12	J	26	1.5	ug/L	5		8270D	Total/NA
Carbazole - DL	6.6	J	26	1.6	ug/L	5		8270D	Total/NA
Dibenzofuran - DL	75		52	2.7	ug/L	5		8270D	Total/NA
Fluoranthene - DL	9.1	J	26	2.1	ug/L	5		8270D	Total/NA
Fluorene - DL	80		26	1.9	ug/L	5		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-17 (Continued) — Lab Sample ID: 480-177111-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene - DL	250		26	4.0	ug/L	5		8270D	Total/NA
Phenanthrene - DL	71		26	2.3	ug/L	5		8270D	Total/NA
Pyrene - DL	4.9	J	26	1.8	ug/L	5		8270D	Total/NA

Client Sample ID: MW-25 — Lab Sample ID: 480-177111-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.63	J	5.0	0.41	ug/L	1		8270D	Total/NA
Fluoranthene	1.1	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	0.41	J	5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	0.47	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	0.74	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-28 — Lab Sample ID: 480-177111-8

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-177111-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Inventum Engineering LLC
Project/Site: 980 Ellicott St - 2020

Job ID: 480-177111-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: MW-001

Date Collected: 10/23/20 11:00
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/20 13:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 13:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 13:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 13:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 13:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 13:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 13:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 13:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 13:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 13:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 13:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 13:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 13:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 13:29	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 13:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 13:29	1
Acetone	ND		10	3.0	ug/L			10/28/20 13:29	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 13:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 13:29	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 13:29	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 13:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 13:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 13:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 13:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 13:29	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 13:29	1
Chloroform	ND		1.0	0.34	ug/L			10/28/20 13:29	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 13:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 13:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 13:29	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 13:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 13:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 13:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 13:29	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 13:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 13:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 13:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 13:29	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 13:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 13:29	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 13:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 13:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 13:29	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 13:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 13:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 13:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 13:29	1

Client Sample ID: MW-001

Date Collected: 10/23/20 11:00
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*10/28/20 13:29*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/28/20 13:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/28/20 13:29*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/28/20 13:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/28/20 08:42	11/03/20 06:57	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/28/20 08:42	11/03/20 06:57	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 06:57	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 06:57	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 06:57	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 06:57	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 06:57	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 06:57	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 06:57	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 06:57	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 06:57	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 06:57	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 06:57	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 06:57	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 06:57	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 06:57	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 06:57	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 06:57	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 06:57	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 06:57	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 06:57	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 06:57	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 06:57	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 06:57	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 06:57	1
Acenaphthene	**4.2**	**J**	5.0	0.41	ug/L		10/28/20 08:42	11/03/20 06:57	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 06:57	1
Acetophenone	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 06:57	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 06:57	1
Atrazine	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 06:57	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/28/20 08:42	11/03/20 06:57	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 06:57	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 06:57	1
Benzo(b)fluoranthene	**0.53**	**J**	5.0	0.34	ug/L		10/28/20 08:42	11/03/20 06:57	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 06:57	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 06:57	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 06:57	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 06:57	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 06:57	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 06:57	1
Caprolactam	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 06:57	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 06:57	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 06:57	1

Client Sample ID: MW-001

Date Collected: 10/23/20 11:00
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 06:57	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 06:57	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 06:57	1
Dibenzofuran	**0.65**	**J**	10	0.51	ug/L		10/28/20 08:42	11/03/20 06:57	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 06:57	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 06:57	1
Fluoranthene	**1.6**	**J**	5.0	0.40	ug/L		10/28/20 08:42	11/03/20 06:57	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 06:57	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 06:57	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 06:57	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 06:57	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 06:57	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 06:57	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 06:57	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 06:57	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 06:57	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 06:57	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 06:57	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 06:57	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 06:57	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 06:57	1
Pyrene	**0.48**	**J**	5.0	0.34	ug/L		10/28/20 08:42	11/03/20 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*41 - 120*	*10/28/20 08:42*	*11/03/20 06:57*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*10/28/20 08:42*	*11/03/20 06:57*	*1*
2-Fluorophenol	*68*		*35 - 120*	*10/28/20 08:42*	*11/03/20 06:57*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*10/28/20 08:42*	*11/03/20 06:57*	*1*
p-Terphenyl-d14	*93*		*60 - 148*	*10/28/20 08:42*	*11/03/20 06:57*	*1*
Phenol-d5	*51*		*22 - 120*	*10/28/20 08:42*	*11/03/20 06:57*	*1*

Client Sample ID: MW-5

Date Collected: 10/23/20 13:01
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/20 13:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 13:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 13:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 13:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 13:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 13:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 13:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 13:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 13:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 13:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 13:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 13:52	1

Client Sample ID: MW-5
Date Collected: 10/23/20 13:01
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 13:52	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 13:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 13:52	1
Acetone	ND		10	3.0	ug/L			10/28/20 13:52	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 13:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 13:52	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 13:52	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 13:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 13:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 13:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 13:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 13:52	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 13:52	1
Chloroform	ND		1.0	0.34	ug/L			10/28/20 13:52	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 13:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 13:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 13:52	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 13:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 13:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 13:52	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 13:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 13:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 13:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 13:52	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 13:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 13:52	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 13:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 13:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 13:52	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 13:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 13:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*10/28/20 13:52*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/28/20 13:52*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/28/20 13:52*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/28/20 13:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		10/28/20 08:42	11/03/20 07:24	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 07:24	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:24	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/28/20 08:42	11/03/20 07:24	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 07:24	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/28/20 08:42	11/03/20 07:24	5

Client Sample ID: MW-5

Date Collected: 10/23/20 13:01
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 07:24	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 07:24	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 07:24	5
2-Chlorophenol	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 07:24	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
2-Methylphenol	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
2-Nitroaniline	ND		50	2.1	ug/L		10/28/20 08:42	11/03/20 07:24	5
2-Nitrophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:24	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
3-Nitroaniline	ND		50	2.4	ug/L		10/28/20 08:42	11/03/20 07:24	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 07:24	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 07:24	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 07:24	5
4-Chloroaniline	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:24	5
4-Methylphenol	ND		50	1.8	ug/L		10/28/20 08:42	11/03/20 07:24	5
4-Nitroaniline	ND		50	1.3	ug/L		10/28/20 08:42	11/03/20 07:24	5
4-Nitrophenol	ND		50	7.6	ug/L		10/28/20 08:42	11/03/20 07:24	5
Acenaphthene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 07:24	5
Acenaphthylene	ND		25	1.9	ug/L		10/28/20 08:42	11/03/20 07:24	5
Acetophenone	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 07:24	5
Anthracene	ND		25	1.4	ug/L		10/28/20 08:42	11/03/20 07:24	5
Atrazine	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 07:24	5
Benzaldehyde	ND		25	1.3	ug/L		10/28/20 08:42	11/03/20 07:24	5
Benzo(a)anthracene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:24	5
Benzo(a)pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:24	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 07:24	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:24	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		10/28/20 08:42	11/03/20 07:24	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:24	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		10/28/20 08:42	11/03/20 07:24	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
Caprolactam	ND		25	11	ug/L		10/28/20 08:42	11/03/20 07:24	5
Carbazole	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 07:24	5
Chrysene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 07:24	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/28/20 08:42	11/03/20 07:24	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:24	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 07:24	5
Dibenzofuran	ND		50	2.6	ug/L		10/28/20 08:42	11/03/20 07:24	5
Diethyl phthalate	ND		25	1.1	ug/L		10/28/20 08:42	11/03/20 07:24	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:24	5
Fluoranthene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
Fluorene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:24	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 07:24	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/28/20 08:42	11/03/20 07:24	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
Hexachloroethane	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 07:24	5

Client Sample ID: MW-5

Date Collected: 10/23/20 13:01
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:24	5
Isophorone	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 07:24	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 07:24	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 07:24	5
Naphthalene	ND		25	3.8	ug/L		10/28/20 08:42	11/03/20 07:24	5
Nitrobenzene	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 07:24	5
Pentachlorophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 07:24	5
Phenanthrene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 07:24	5
Phenol	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:24	5
Pyrene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 07:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*41 - 120*	*10/28/20 08:42*	*11/03/20 07:24*	*5*
2-Fluorobiphenyl	*107*		*48 - 120*	*10/28/20 08:42*	*11/03/20 07:24*	*5*
2-Fluorophenol	*69*		*35 - 120*	*10/28/20 08:42*	*11/03/20 07:24*	*5*
Nitrobenzene-d5	*98*		*46 - 120*	*10/28/20 08:42*	*11/03/20 07:24*	*5*
p-Terphenyl-d14	*99*		*60 - 148*	*10/28/20 08:42*	*11/03/20 07:24*	*5*
Phenol-d5	*51*		*22 - 120*	*10/28/20 08:42*	*11/03/20 07:24*	*5*

Client Sample ID: MW-11

Date Collected: 10/23/20 11:45
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/20 14:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 14:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 14:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 14:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 14:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 14:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 14:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 14:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 14:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 14:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 14:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 14:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 14:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 14:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 14:16	1
Acetone	ND		10	3.0	ug/L			10/28/20 14:16	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 14:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 14:16	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 14:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 14:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 14:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 14:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 14:16	1

Client Sample ID: MW-11

Date Collected: 10/23/20 11:45
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 14:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 14:16	1
Chloroform	**2.1**		1.0	0.34	ug/L			10/28/20 14:16	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 14:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 14:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 14:16	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 14:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 14:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 14:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 14:16	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 14:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 14:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 14:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 14:16	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 14:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 14:16	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 14:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 14:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 14:16	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 14:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 14:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 14:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/28/20 14:16*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/28/20 14:16*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/28/20 14:16*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/28/20 14:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		10/28/20 08:42	11/03/20 07:51	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 07:51	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:51	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/28/20 08:42	11/03/20 07:51	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 07:51	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/28/20 08:42	11/03/20 07:51	5
2,4-Dinitrophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 07:51	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 07:51	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 07:51	5
2-Chlorophenol	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 07:51	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
2-Methylphenol	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
2-Nitroaniline	ND		50	2.1	ug/L		10/28/20 08:42	11/03/20 07:51	5
2-Nitrophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:51	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
3-Nitroaniline	ND		50	2.4	ug/L		10/28/20 08:42	11/03/20 07:51	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 07:51	5

Client Sample ID: MW-11

Date Collected: 10/23/20 11:45
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 07:51	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 07:51	5
4-Chloroaniline	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:51	5
4-Methylphenol	ND		50	1.8	ug/L		10/28/20 08:42	11/03/20 07:51	5
4-Nitroaniline	ND		50	1.3	ug/L		10/28/20 08:42	11/03/20 07:51	5
4-Nitrophenol	ND		50	7.6	ug/L		10/28/20 08:42	11/03/20 07:51	5
Acenaphthene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 07:51	5
Acenaphthylene	ND		25	1.9	ug/L		10/28/20 08:42	11/03/20 07:51	5
Acetophenone	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 07:51	5
Anthracene	ND		25	1.4	ug/L		10/28/20 08:42	11/03/20 07:51	5
Atrazine	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 07:51	5
Benzaldehyde	ND		25	1.3	ug/L		10/28/20 08:42	11/03/20 07:51	5
Benzo(a)anthracene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:51	5
Benzo(a)pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:51	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 07:51	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:51	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		10/28/20 08:42	11/03/20 07:51	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:51	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		10/28/20 08:42	11/03/20 07:51	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
Caprolactam	ND		25	11	ug/L		10/28/20 08:42	11/03/20 07:51	5
Carbazole	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 07:51	5
Chrysene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 07:51	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/28/20 08:42	11/03/20 07:51	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:51	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 07:51	5
Dibenzofuran	ND		50	2.6	ug/L		10/28/20 08:42	11/03/20 07:51	5
Diethyl phthalate	ND		25	1.1	ug/L		10/28/20 08:42	11/03/20 07:51	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:51	5
Fluoranthene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
Fluorene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 07:51	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 07:51	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/28/20 08:42	11/03/20 07:51	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
Hexachloroethane	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 07:51	5
Isophorone	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 07:51	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 07:51	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 07:51	5
Naphthalene	ND		25	3.8	ug/L		10/28/20 08:42	11/03/20 07:51	5
Nitrobenzene	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 07:51	5
Pentachlorophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 07:51	5
Phenanthrene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 07:51	5
Phenol	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 07:51	5
Pyrene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 07:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*41 - 120*	*10/28/20 08:42*	*11/03/20 07:51*	*5*

Client Sample ID: MW-11

Date Collected: 10/23/20 11:45
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*108*		*48 - 120*	*10/28/20 08:42*	*11/03/20 07:51*	*5*
2-Fluorophenol	*71*		*35 - 120*	*10/28/20 08:42*	*11/03/20 07:51*	*5*
Nitrobenzene-d5	*100*		*46 - 120*	*10/28/20 08:42*	*11/03/20 07:51*	*5*
p-Terphenyl-d14	*101*		*60 - 148*	*10/28/20 08:42*	*11/03/20 07:51*	*5*
Phenol-d5	*52*		*22 - 120*	*10/28/20 08:42*	*11/03/20 07:51*	*5*

Client Sample ID: MW-13

Date Collected: 10/23/20 10:37
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/20 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 14:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 14:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 14:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 14:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 14:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 14:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 14:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 14:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 14:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 14:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 14:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 14:39	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 14:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 14:39	1
Acetone	ND		10	3.0	ug/L			10/28/20 14:39	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 14:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 14:39	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 14:39	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 14:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 14:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 14:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 14:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 14:39	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 14:39	1
Chloroform	ND		1.0	0.34	ug/L			10/28/20 14:39	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 14:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 14:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 14:39	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 14:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 14:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 14:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 14:39	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 14:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 14:39	1

Client Sample ID: MW-13

Date Collected: 10/23/20 10:37
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 14:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 14:39	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 14:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 14:39	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 14:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 14:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 14:39	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 14:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 14:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 14:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*10/28/20 14:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/28/20 14:39*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/28/20 14:39*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/28/20 14:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		10/28/20 08:42	11/03/20 08:18	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 08:18	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 08:18	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/28/20 08:42	11/03/20 08:18	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 08:18	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/28/20 08:42	11/03/20 08:18	5
2,4-Dinitrophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 08:18	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 08:18	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 08:18	5
2-Chlorophenol	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 08:18	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
2-Methylphenol	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
2-Nitroaniline	ND		50	2.1	ug/L		10/28/20 08:42	11/03/20 08:18	5
2-Nitrophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 08:18	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
3-Nitroaniline	ND		50	2.4	ug/L		10/28/20 08:42	11/03/20 08:18	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 08:18	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 08:18	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 08:18	5
4-Chloroaniline	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 08:18	5
4-Methylphenol	ND		50	1.8	ug/L		10/28/20 08:42	11/03/20 08:18	5
4-Nitroaniline	ND		50	1.3	ug/L		10/28/20 08:42	11/03/20 08:18	5
4-Nitrophenol	ND		50	7.6	ug/L		10/28/20 08:42	11/03/20 08:18	5
Acenaphthene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 08:18	5
Acenaphthylene	ND		25	1.9	ug/L		10/28/20 08:42	11/03/20 08:18	5
Acetophenone	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 08:18	5
Anthracene	ND		25	1.4	ug/L		10/28/20 08:42	11/03/20 08:18	5
Atrazine	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 08:18	5

Client Sample ID: MW-13

Date Collected: 10/23/20 10:37
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		25	1.3	ug/L		10/28/20 08:42	11/03/20 08:18	5
Benzo(a)anthracene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 08:18	5
Benzo(a)pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 08:18	5
Benzo(b)fluoranthene	**2.0**	**J**	25	1.7	ug/L		10/28/20 08:42	11/03/20 08:18	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 08:18	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		10/28/20 08:42	11/03/20 08:18	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 08:18	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		10/28/20 08:42	11/03/20 08:18	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
Caprolactam	ND		25	11	ug/L		10/28/20 08:42	11/03/20 08:18	5
Carbazole	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 08:18	5
Chrysene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 08:18	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/28/20 08:42	11/03/20 08:18	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 08:18	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 08:18	5
Dibenzofuran	ND		50	2.6	ug/L		10/28/20 08:42	11/03/20 08:18	5
Diethyl phthalate	ND		25	1.1	ug/L		10/28/20 08:42	11/03/20 08:18	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 08:18	5
Fluoranthene	**2.1**	**J**	25	2.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
Fluorene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 08:18	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 08:18	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/28/20 08:42	11/03/20 08:18	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
Hexachloroethane	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 08:18	5
Isophorone	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 08:18	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 08:18	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 08:18	5
Naphthalene	ND		25	3.8	ug/L		10/28/20 08:42	11/03/20 08:18	5
Nitrobenzene	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 08:18	5
Pentachlorophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 08:18	5
Phenanthrene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 08:18	5
Phenol	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 08:18	5
Pyrene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 08:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*41 - 120*	*10/28/20 08:42*	*11/03/20 08:18*	*5*
2-Fluorobiphenyl	*104*		*48 - 120*	*10/28/20 08:42*	*11/03/20 08:18*	*5*
2-Fluorophenol	*57*		*35 - 120*	*10/28/20 08:42*	*11/03/20 08:18*	*5*
Nitrobenzene-d5	*95*		*46 - 120*	*10/28/20 08:42*	*11/03/20 08:18*	*5*
p-Terphenyl-d14	*97*		*60 - 148*	*10/28/20 08:42*	*11/03/20 08:18*	*5*
Phenol-d5	*41*		*22 - 120*	*10/28/20 08:42*	*11/03/20 08:18*	*5*

Client Sample ID: MW-15

Date Collected: 10/23/20 11:20
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/20 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 15:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 15:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 15:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 15:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 15:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 15:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 15:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 15:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 15:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 15:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 15:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 15:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 15:02	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 15:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 15:02	1
Acetone	ND		10	3.0	ug/L			10/28/20 15:02	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 15:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 15:02	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 15:02	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 15:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 15:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 15:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 15:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 15:02	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 15:02	1
Chloroform	ND		1.0	0.34	ug/L			10/28/20 15:02	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 15:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 15:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 15:02	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 15:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 15:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 15:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 15:02	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 15:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 15:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 15:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 15:02	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 15:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 15:02	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 15:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 15:02	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 15:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 15:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 15:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 15:02	1

Client Sample ID: MW-15

Date Collected: 10/23/20 11:20
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-5

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*10/28/20 15:02*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/28/20 15:02*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/28/20 15:02*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/28/20 15:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/28/20 08:42	11/03/20 08:46	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/28/20 08:42	11/03/20 08:46	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 08:46	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 08:46	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 08:46	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 08:46	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 08:46	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 08:46	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 08:46	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 08:46	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 08:46	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 08:46	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 08:46	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 08:46	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 08:46	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 08:46	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 08:46	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 08:46	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 08:46	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 08:46	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 08:46	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 08:46	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 08:46	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 08:46	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 08:46	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/03/20 08:46	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 08:46	1
Acetophenone	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 08:46	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 08:46	1
Atrazine	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 08:46	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/28/20 08:42	11/03/20 08:46	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 08:46	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 08:46	1
Benzo(b)fluoranthene	**0.61**	**J**	5.0	0.34	ug/L		10/28/20 08:42	11/03/20 08:46	1
Benzo(g,h,i)perylene	**0.43**	**J**	5.0	0.35	ug/L		10/28/20 08:42	11/03/20 08:46	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 08:46	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 08:46	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 08:46	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 08:46	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 08:46	1
Caprolactam	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 08:46	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 08:46	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 08:46	1

Client Sample ID: MW-15

Date Collected: 10/23/20 11:20
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 08:46	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 08:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 08:46	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 08:46	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 08:46	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 08:46	1
Fluoranthene	**0.80**	**J**	5.0	0.40	ug/L		10/28/20 08:42	11/03/20 08:46	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 08:46	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 08:46	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 08:46	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 08:46	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 08:46	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 08:46	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 08:46	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 08:46	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 08:46	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 08:46	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 08:46	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 08:46	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 08:46	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 08:46	1
Pyrene	**0.70**	**J**	5.0	0.34	ug/L		10/28/20 08:42	11/03/20 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*41 - 120*	*10/28/20 08:42*	*11/03/20 08:46*	*1*
2-Fluorobiphenyl	*96*		*48 - 120*	*10/28/20 08:42*	*11/03/20 08:46*	*1*
2-Fluorophenol	*65*		*35 - 120*	*10/28/20 08:42*	*11/03/20 08:46*	*1*
Nitrobenzene-d5	*94*		*46 - 120*	*10/28/20 08:42*	*11/03/20 08:46*	*1*
p-Terphenyl-d14	*92*		*60 - 148*	*10/28/20 08:42*	*11/03/20 08:46*	*1*
Phenol-d5	*49*		*22 - 120*	*10/28/20 08:42*	*11/03/20 08:46*	*1*

Client Sample ID: MW-17

Date Collected: 10/23/20 10:08
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			10/28/20 15:25	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/28/20 15:25	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/28/20 15:25	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			10/28/20 15:25	10
1,1-Dichloroethane	ND		10	3.8	ug/L			10/28/20 15:25	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/28/20 15:25	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			10/28/20 15:25	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			10/28/20 15:25	10
1,2-Dibromoethane	ND		10	7.3	ug/L			10/28/20 15:25	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			10/28/20 15:25	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/28/20 15:25	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/28/20 15:25	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			10/28/20 15:25	10

Client Sample ID: MW-17

Date Collected: 10/23/20 10:08
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		10	8.4	ug/L			10/28/20 15:25	10
2-Hexanone	ND		50	12	ug/L			10/28/20 15:25	10
2-Butanone (MEK)	ND		100	13	ug/L			10/28/20 15:25	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/28/20 15:25	10
Acetone	ND		100	30	ug/L			10/28/20 15:25	10
Benzene	ND		10	4.1	ug/L			10/28/20 15:25	10
Bromodichloromethane	ND		10	3.9	ug/L			10/28/20 15:25	10
Bromoform	ND		10	2.6	ug/L			10/28/20 15:25	10
Bromomethane	ND		10	6.9	ug/L			10/28/20 15:25	10
Carbon disulfide	ND		10	1.9	ug/L			10/28/20 15:25	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/28/20 15:25	10
Chlorobenzene	ND		10	7.5	ug/L			10/28/20 15:25	10
Dibromochloromethane	ND		10	3.2	ug/L			10/28/20 15:25	10
Chloroethane	ND		10	3.2	ug/L			10/28/20 15:25	10
Chloroform	ND		10	3.4	ug/L			10/28/20 15:25	10
Chloromethane	ND		10	3.5	ug/L			10/28/20 15:25	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			10/28/20 15:25	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/28/20 15:25	10
Cyclohexane	ND		10	1.8	ug/L			10/28/20 15:25	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			10/28/20 15:25	10
Ethylbenzene	ND		10	7.4	ug/L			10/28/20 15:25	10
Isopropylbenzene	ND		10	7.9	ug/L			10/28/20 15:25	10
Methyl acetate	ND		25	13	ug/L			10/28/20 15:25	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			10/28/20 15:25	10
Methylcyclohexane	ND		10	1.6	ug/L			10/28/20 15:25	10
Methylene Chloride	ND		10	4.4	ug/L			10/28/20 15:25	10
Styrene	ND		10	7.3	ug/L			10/28/20 15:25	10
Tetrachloroethene	ND		10	3.6	ug/L			10/28/20 15:25	10
Toluene	ND		10	5.1	ug/L			10/28/20 15:25	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/28/20 15:25	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/28/20 15:25	10
Trichloroethene	ND		10	4.6	ug/L			10/28/20 15:25	10
Trichlorofluoromethane	ND		10	8.8	ug/L			10/28/20 15:25	10
Vinyl chloride	ND		10	9.0	ug/L			10/28/20 15:25	10
Xylenes, Total	**8.1**	**J**	20	6.6	ug/L			10/28/20 15:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*10/28/20 15:25*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/28/20 15:25*	*10*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/28/20 15:25*	*10*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/28/20 15:25*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	**16**		5.2	0.68	ug/L		10/28/20 08:42	11/03/20 09:13	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/28/20 08:42	11/03/20 09:13	1
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/28/20 08:42	11/03/20 09:13	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		10/28/20 08:42	11/03/20 09:13	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/28/20 08:42	11/03/20 09:13	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/28/20 08:42	11/03/20 09:13	1

Client Sample ID: MW-17

Date Collected: 10/23/20 10:08
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/28/20 08:42	11/03/20 09:13	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		10/28/20 08:42	11/03/20 09:13	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/28/20 08:42	11/03/20 09:13	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/28/20 08:42	11/03/20 09:13	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/28/20 08:42	11/03/20 09:13	1
2-Methylnaphthalene	**46**		5.2	0.63	ug/L		10/28/20 08:42	11/03/20 09:13	1
2-Methylphenol	ND		5.2	0.42	ug/L		10/28/20 08:42	11/03/20 09:13	1
2-Nitroaniline	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 09:13	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/28/20 08:42	11/03/20 09:13	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		10/28/20 08:42	11/03/20 09:13	1
3-Nitroaniline	ND		10	0.50	ug/L		10/28/20 08:42	11/03/20 09:13	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/28/20 08:42	11/03/20 09:13	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/28/20 08:42	11/03/20 09:13	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/28/20 08:42	11/03/20 09:13	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/28/20 08:42	11/03/20 09:13	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/28/20 08:42	11/03/20 09:13	1
4-Methylphenol	ND		10	0.38	ug/L		10/28/20 08:42	11/03/20 09:13	1
4-Nitroaniline	ND		10	0.26	ug/L		10/28/20 08:42	11/03/20 09:13	1
4-Nitrophenol	ND		10	1.6	ug/L		10/28/20 08:42	11/03/20 09:13	1
Acenaphthene	**130**	**E**	5.2	0.43	ug/L		10/28/20 08:42	11/03/20 09:13	1
Acenaphthylene	**2.8**	**J**	5.2	0.40	ug/L		10/28/20 08:42	11/03/20 09:13	1
Acetophenone	ND		5.2	0.56	ug/L		10/28/20 08:42	11/03/20 09:13	1
Anthracene	**7.6**		5.2	0.29	ug/L		10/28/20 08:42	11/03/20 09:13	1
Atrazine	ND		5.2	0.48	ug/L		10/28/20 08:42	11/03/20 09:13	1
Benzaldehyde	ND		5.2	0.28	ug/L		10/28/20 08:42	11/03/20 09:13	1
Benzo(a)anthracene	ND		5.2	0.38	ug/L		10/28/20 08:42	11/03/20 09:13	1
Benzo(a)pyrene	ND		5.2	0.49	ug/L		10/28/20 08:42	11/03/20 09:13	1
Benzo(b)fluoranthene	ND		5.2	0.35	ug/L		10/28/20 08:42	11/03/20 09:13	1
Benzo(g,h,i)perylene	ND		5.2	0.36	ug/L		10/28/20 08:42	11/03/20 09:13	1
Benzo(k)fluoranthene	ND		5.2	0.76	ug/L		10/28/20 08:42	11/03/20 09:13	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/28/20 08:42	11/03/20 09:13	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/28/20 08:42	11/03/20 09:13	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		10/28/20 08:42	11/03/20 09:13	1
Butyl benzyl phthalate	ND		5.2	1.0	ug/L		10/28/20 08:42	11/03/20 09:13	1
Caprolactam	ND		5.2	2.3	ug/L		10/28/20 08:42	11/03/20 09:13	1
Carbazole	**6.7**		5.2	0.31	ug/L		10/28/20 08:42	11/03/20 09:13	1
Chrysene	ND		5.2	0.34	ug/L		10/28/20 08:42	11/03/20 09:13	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/28/20 08:42	11/03/20 09:13	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/28/20 08:42	11/03/20 09:13	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/28/20 08:42	11/03/20 09:13	1
Dibenzofuran	**63**		10	0.53	ug/L		10/28/20 08:42	11/03/20 09:13	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/28/20 08:42	11/03/20 09:13	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		10/28/20 08:42	11/03/20 09:13	1
Fluoranthene	**8.5**		5.2	0.42	ug/L		10/28/20 08:42	11/03/20 09:13	1
Fluorene	**71**	**E**	5.2	0.38	ug/L		10/28/20 08:42	11/03/20 09:13	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/28/20 08:42	11/03/20 09:13	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/28/20 08:42	11/03/20 09:13	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/28/20 08:42	11/03/20 09:13	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/28/20 08:42	11/03/20 09:13	1

Client Sample ID: MW-17

Date Collected: 10/23/20 10:08
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno(1,2,3-cd)pyrene	ND		5.2	0.49	ug/L		10/28/20 08:42	11/03/20 09:13	1
Isophorone	ND		5.2	0.45	ug/L		10/28/20 08:42	11/03/20 09:13	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/28/20 08:42	11/03/20 09:13	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/28/20 08:42	11/03/20 09:13	1
Naphthalene	**120**	**E**	5.2	0.79	ug/L		10/28/20 08:42	11/03/20 09:13	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/28/20 08:42	11/03/20 09:13	1
Pentachlorophenol	ND		10	2.3	ug/L		10/28/20 08:42	11/03/20 09:13	1
Phenanthrene	**53**		5.2	0.46	ug/L		10/28/20 08:42	11/03/20 09:13	1
Phenol	ND		5.2	0.41	ug/L		10/28/20 08:42	11/03/20 09:13	1
Pyrene	**4.9**	**J**	5.2	0.35	ug/L		10/28/20 08:42	11/03/20 09:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*41 - 120*	*10/28/20 08:42*	*11/03/20 09:13*	*1*
2-Fluorobiphenyl	*101*		*48 - 120*	*10/28/20 08:42*	*11/03/20 09:13*	*1*
2-Fluorophenol	*70*		*35 - 120*	*10/28/20 08:42*	*11/03/20 09:13*	*1*
Nitrobenzene-d5	*99*		*46 - 120*	*10/28/20 08:42*	*11/03/20 09:13*	*1*
p-Terphenyl-d14	*92*		*60 - 148*	*10/28/20 08:42*	*11/03/20 09:13*	*1*
Phenol-d5	*55*		*22 - 120*	*10/28/20 08:42*	*11/03/20 09:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	**16**	**J**	26	3.4	ug/L		10/28/20 08:42	11/04/20 08:22	5
bis (2-chloroisopropyl) ether	ND		26	2.7	ug/L		10/28/20 08:42	11/04/20 08:22	5
2,4,5-Trichlorophenol	ND		26	2.5	ug/L		10/28/20 08:42	11/04/20 08:22	5
2,4,6-Trichlorophenol	ND		26	3.2	ug/L		10/28/20 08:42	11/04/20 08:22	5
2,4-Dichlorophenol	ND		26	2.7	ug/L		10/28/20 08:42	11/04/20 08:22	5
2,4-Dimethylphenol	ND		26	2.6	ug/L		10/28/20 08:42	11/04/20 08:22	5
2,4-Dinitrophenol	ND		52	12	ug/L		10/28/20 08:42	11/04/20 08:22	5
2,4-Dinitrotoluene	ND		26	2.3	ug/L		10/28/20 08:42	11/04/20 08:22	5
2,6-Dinitrotoluene	ND		26	2.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
2-Chloronaphthalene	ND		26	2.4	ug/L		10/28/20 08:42	11/04/20 08:22	5
2-Chlorophenol	ND		26	2.8	ug/L		10/28/20 08:42	11/04/20 08:22	5
2-Methylnaphthalene	**48**		26	3.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
2-Methylphenol	ND		26	2.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
2-Nitroaniline	ND		52	2.2	ug/L		10/28/20 08:42	11/04/20 08:22	5
2-Nitrophenol	ND		26	2.5	ug/L		10/28/20 08:42	11/04/20 08:22	5
3,3'-Dichlorobenzidine	ND		26	2.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
3-Nitroaniline	ND		52	2.5	ug/L		10/28/20 08:42	11/04/20 08:22	5
4,6-Dinitro-2-methylphenol	ND		52	11	ug/L		10/28/20 08:42	11/04/20 08:22	5
4-Bromophenyl phenyl ether	ND		26	2.3	ug/L		10/28/20 08:42	11/04/20 08:22	5
4-Chloro-3-methylphenol	ND		26	2.3	ug/L		10/28/20 08:42	11/04/20 08:22	5
4-Chloroaniline	ND		26	3.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
4-Chlorophenyl phenyl ether	ND		26	1.8	ug/L		10/28/20 08:42	11/04/20 08:22	5
4-Methylphenol	ND		52	1.9	ug/L		10/28/20 08:42	11/04/20 08:22	5
4-Nitroaniline	ND		52	1.3	ug/L		10/28/20 08:42	11/04/20 08:22	5
4-Nitrophenol	ND		52	7.9	ug/L		10/28/20 08:42	11/04/20 08:22	5
Acenaphthene	**170**		26	2.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
Acenaphthylene	**2.6**	**J**	26	2.0	ug/L		10/28/20 08:42	11/04/20 08:22	5
Acetophenone	ND		26	2.8	ug/L		10/28/20 08:42	11/04/20 08:22	5
Anthracene	**12**	**J**	26	1.5	ug/L		10/28/20 08:42	11/04/20 08:22	5

Client Sample ID: MW-17

Date Collected: 10/23/20 10:08
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		26	2.4	ug/L		10/28/20 08:42	11/04/20 08:22	5
Benzaldehyde	ND		26	1.4	ug/L		10/28/20 08:42	11/04/20 08:22	5
Benzo(a)anthracene	ND		26	1.9	ug/L		10/28/20 08:42	11/04/20 08:22	5
Benzo(a)pyrene	ND		26	2.4	ug/L		10/28/20 08:42	11/04/20 08:22	5
Benzo(b)fluoranthene	ND		26	1.8	ug/L		10/28/20 08:42	11/04/20 08:22	5
Benzo(g,h,i)perylene	ND		26	1.8	ug/L		10/28/20 08:42	11/04/20 08:22	5
Benzo(k)fluoranthene	ND		26	3.8	ug/L		10/28/20 08:42	11/04/20 08:22	5
Bis(2-chloroethoxy)methane	ND		26	1.8	ug/L		10/28/20 08:42	11/04/20 08:22	5
Bis(2-chloroethyl)ether	ND		26	2.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
Bis(2-ethylhexyl) phthalate	ND		26	11	ug/L		10/28/20 08:42	11/04/20 08:22	5
Butyl benzyl phthalate	ND		26	5.2	ug/L		10/28/20 08:42	11/04/20 08:22	5
Caprolactam	ND		26	11	ug/L		10/28/20 08:42	11/04/20 08:22	5
Carbazole	**6.6**	**J**	26	1.6	ug/L		10/28/20 08:42	11/04/20 08:22	5
Chrysene	ND		26	1.7	ug/L		10/28/20 08:42	11/04/20 08:22	5
Di-n-butyl phthalate	ND		26	1.6	ug/L		10/28/20 08:42	11/04/20 08:22	5
Di-n-octyl phthalate	ND		26	2.4	ug/L		10/28/20 08:42	11/04/20 08:22	5
Dibenz(a,h)anthracene	ND		26	2.2	ug/L		10/28/20 08:42	11/04/20 08:22	5
Dibenzofuran	**75**		52	2.7	ug/L		10/28/20 08:42	11/04/20 08:22	5
Diethyl phthalate	ND		26	1.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
Dimethyl phthalate	ND		26	1.9	ug/L		10/28/20 08:42	11/04/20 08:22	5
Fluoranthene	**9.1**	**J**	26	2.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
Fluorene	**80**		26	1.9	ug/L		10/28/20 08:42	11/04/20 08:22	5
Hexachlorobenzene	ND		26	2.7	ug/L		10/28/20 08:42	11/04/20 08:22	5
Hexachlorobutadiene	ND		26	3.5	ug/L		10/28/20 08:42	11/04/20 08:22	5
Hexachlorocyclopentadiene	ND		26	3.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
Hexachloroethane	ND		26	3.1	ug/L		10/28/20 08:42	11/04/20 08:22	5
Indeno(1,2,3-cd)pyrene	ND		26	2.4	ug/L		10/28/20 08:42	11/04/20 08:22	5
Isophorone	ND		26	2.2	ug/L		10/28/20 08:42	11/04/20 08:22	5
N-Nitrosodi-n-propylamine	ND		26	2.8	ug/L		10/28/20 08:42	11/04/20 08:22	5
N-Nitrosodiphenylamine	ND		26	2.7	ug/L		10/28/20 08:42	11/04/20 08:22	5
Naphthalene	**250**		26	4.0	ug/L		10/28/20 08:42	11/04/20 08:22	5
Nitrobenzene	ND		26	1.5	ug/L		10/28/20 08:42	11/04/20 08:22	5
Pentachlorophenol	ND		52	11	ug/L		10/28/20 08:42	11/04/20 08:22	5
Phenanthrene	**71**		26	2.3	ug/L		10/28/20 08:42	11/04/20 08:22	5
Phenol	ND		26	2.0	ug/L		10/28/20 08:42	11/04/20 08:22	5
Pyrene	**4.9**	**J**	26	1.8	ug/L		10/28/20 08:42	11/04/20 08:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*41 - 120*	*10/28/20 08:42*	*11/04/20 08:22*	*5*
2-Fluorobiphenyl	*104*		*48 - 120*	*10/28/20 08:42*	*11/04/20 08:22*	*5*
2-Fluorophenol	*65*		*35 - 120*	*10/28/20 08:42*	*11/04/20 08:22*	*5*
Nitrobenzene-d5	*93*		*46 - 120*	*10/28/20 08:42*	*11/04/20 08:22*	*5*
p-Terphenyl-d14	*95*		*60 - 148*	*10/28/20 08:42*	*11/04/20 08:22*	*5*
Phenol-d5	*46*		*22 - 120*	*10/28/20 08:42*	*11/04/20 08:22*	*5*

Client Sample ID: MW-25

Date Collected: 10/23/20 09:44
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/20 15:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 15:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 15:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 15:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 15:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 15:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 15:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 15:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 15:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 15:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 15:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 15:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 15:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 15:48	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 15:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 15:48	1
Acetone	ND		10	3.0	ug/L			10/28/20 15:48	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 15:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 15:48	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 15:48	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 15:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 15:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 15:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 15:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 15:48	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 15:48	1
Chloroform	ND		1.0	0.34	ug/L			10/28/20 15:48	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 15:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 15:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 15:48	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 15:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 15:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 15:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 15:48	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 15:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 15:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 15:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 15:48	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 15:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 15:48	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 15:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 15:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 15:48	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 15:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 15:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 15:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 15:48	1

Client Sample ID: MW-25

Date Collected: 10/23/20 09:44
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-7

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/28/20 15:48*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/28/20 15:48*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/28/20 15:48*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/28/20 15:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/28/20 08:42	11/03/20 09:40	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/28/20 08:42	11/03/20 09:40	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 09:40	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 09:40	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 09:40	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 09:40	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 09:40	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 09:40	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 09:40	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 09:40	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 09:40	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 09:40	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 09:40	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 09:40	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 09:40	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 09:40	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 09:40	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 09:40	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 09:40	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 09:40	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 09:40	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 09:40	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 09:40	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 09:40	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 09:40	1
Acenaphthene	**0.63**	**J**	5.0	0.41	ug/L		10/28/20 08:42	11/03/20 09:40	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 09:40	1
Acetophenone	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 09:40	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 09:40	1
Atrazine	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 09:40	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/28/20 08:42	11/03/20 09:40	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 09:40	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 09:40	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 09:40	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 09:40	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 09:40	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 09:40	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 09:40	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 09:40	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 09:40	1
Caprolactam	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 09:40	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 09:40	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 09:40	1

Client Sample ID: MW-25

Date Collected: 10/23/20 09:44
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 09:40	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 09:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 09:40	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 09:40	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 09:40	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 09:40	1
Fluoranthene	**1.1**	**J**	5.0	0.40	ug/L		10/28/20 08:42	11/03/20 09:40	1
Fluorene	**0.41**	**J**	5.0	0.36	ug/L		10/28/20 08:42	11/03/20 09:40	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 09:40	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 09:40	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 09:40	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 09:40	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 09:40	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 09:40	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 09:40	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 09:40	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 09:40	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 09:40	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 09:40	1
Phenanthrene	**0.47**	**J**	5.0	0.44	ug/L		10/28/20 08:42	11/03/20 09:40	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 09:40	1
Pyrene	**0.74**	**J**	5.0	0.34	ug/L		10/28/20 08:42	11/03/20 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*41 - 120*	*10/28/20 08:42*	*11/03/20 09:40*	*1*
2-Fluorobiphenyl	*103*		*48 - 120*	*10/28/20 08:42*	*11/03/20 09:40*	*1*
2-Fluorophenol	*72*		*35 - 120*	*10/28/20 08:42*	*11/03/20 09:40*	*1*
Nitrobenzene-d5	*101*		*46 - 120*	*10/28/20 08:42*	*11/03/20 09:40*	*1*
p-Terphenyl-d14	*94*		*60 - 148*	*10/28/20 08:42*	*11/03/20 09:40*	*1*
Phenol-d5	*53*		*22 - 120*	*10/28/20 08:42*	*11/03/20 09:40*	*1*

Client Sample ID: MW-28

Date Collected: 10/23/20 09:24
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/20 16:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 16:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 16:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 16:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 16:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 16:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 16:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 16:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 16:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 16:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 16:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 16:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 16:11	1

Client Sample ID: MW-28

Date Collected: 10/23/20 09:24
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 16:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 16:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 16:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 16:11	1
Acetone	ND		10	3.0	ug/L			10/28/20 16:11	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 16:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 16:11	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 16:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 16:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 16:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 16:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 16:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 16:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 16:11	1
Chloroform	ND		1.0	0.34	ug/L			10/28/20 16:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 16:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 16:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 16:11	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 16:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 16:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 16:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 16:11	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 16:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 16:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 16:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 16:11	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 16:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 16:11	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 16:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 16:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 16:11	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 16:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 16:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 16:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*10/28/20 16:11*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/28/20 16:11*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/28/20 16:11*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/28/20 16:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/28/20 08:42	11/03/20 10:08	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/28/20 08:42	11/03/20 10:08	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 10:08	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 10:08	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 10:08	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 10:08	1

Client Sample ID: MW-28

Date Collected: 10/23/20 09:24
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 10:08	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 10:08	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 10:08	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 10:08	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 10:08	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 10:08	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 10:08	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 10:08	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 10:08	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 10:08	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 10:08	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 10:08	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 10:08	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 10:08	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 10:08	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 10:08	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 10:08	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 10:08	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 10:08	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/03/20 10:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 10:08	1
Acetophenone	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 10:08	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 10:08	1
Atrazine	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 10:08	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/28/20 08:42	11/03/20 10:08	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 10:08	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 10:08	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 10:08	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 10:08	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 10:08	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 10:08	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 10:08	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 10:08	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 10:08	1
Caprolactam	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 10:08	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 10:08	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 10:08	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 10:08	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 10:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 10:08	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 10:08	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 10:08	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 10:08	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 10:08	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 10:08	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 10:08	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 10:08	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 10:08	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 10:08	1

Client Sample ID: MW-28

Date Collected: 10/23/20 09:24
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 10:08	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 10:08	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 10:08	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 10:08	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 10:08	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 10:08	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 10:08	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 10:08	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 10:08	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 10:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*41 - 120*	*10/28/20 08:42*	*11/03/20 10:08*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*10/28/20 08:42*	*11/03/20 10:08*	*1*
2-Fluorophenol	*62*		*35 - 120*	*10/28/20 08:42*	*11/03/20 10:08*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*10/28/20 08:42*	*11/03/20 10:08*	*1*
p-Terphenyl-d14	*88*		*60 - 148*	*10/28/20 08:42*	*11/03/20 10:08*	*1*
Phenol-d5	*47*		*22 - 120*	*10/28/20 08:42*	*11/03/20 10:08*	*1*

Client Sample ID: TRIP BLANK

Date Collected: 10/23/20 00:00
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/20 16:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 16:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 16:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 16:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 16:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 16:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 16:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 16:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 16:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 16:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 16:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 16:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 16:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 16:34	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 16:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 16:34	1
Acetone	ND		10	3.0	ug/L			10/28/20 16:34	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 16:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 16:34	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 16:34	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 16:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 16:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 16:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 16:34	1

Client Sample ID: TRIP BLANK

Date Collected: 10/23/20 00:00
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 16:34	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 16:34	1
Chloroform	ND		1.0	0.34	ug/L			10/28/20 16:34	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 16:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 16:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 16:34	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 16:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 16:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 16:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 16:34	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 16:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 16:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 16:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 16:34	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 16:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 16:34	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 16:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 16:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 16:34	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 16:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 16:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 16:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/28/20 16:34*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/28/20 16:34*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/28/20 16:34*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/28/20 16:34*	*1*

Surrogate Summary

Client: Inventum Engineering LLC
Project/Site: 980 Ellicott St - 2020

Job ID: 480-177111-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-177111-1	MW-001	91	100	103	96
480-177111-2	MW-5	92	101	105	96
480-177111-3	MW-11	94	101	104	98
480-177111-4	MW-13	91	100	105	95
480-177111-5	MW-15	91	101	105	96
480-177111-6	MW-17	92	101	105	96
480-177111-7	MW-25	94	101	106	97
480-177111-8	MW-28	92	101	105	95
480-177111-9	TRIP BLANK	94	101	108	97
LCS 480-556141/5	Lab Control Sample	91	102	108	96
MB 480-556141/7	Method Blank	93	100	103	97

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
480-177111-1	MW-001	93	100	68	95	93	51
480-177111-2	MW-5	61	107	69	98	99	51
480-177111-3	MW-11	86	108	71	100	101	52
480-177111-4	MW-13	56	104	57	95	97	41
480-177111-5	MW-15	83	96	65	94	92	49
480-177111-6	MW-17	98	101	70	99	92	55
480-177111-6 - DL	MW-17	86	104	65	93	95	46
480-177111-7	MW-25	98	103	72	101	94	53
480-177111-8	MW-28	79	90	62	90	88	47
LCS 480-556151/2-A	Lab Control Sample	114	109	80	105	111	66
MB 480-556151/1-A	Method Blank	83	90	66	90	98	51

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

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

Lab Sample ID: MB 480-556141/7
Matrix: Water
Analysis Batch: 556141

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	ND		1.0	0.82	ug/L			10/28/20 10:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/20 10:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/20 10:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/20 10:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/20 10:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/20 10:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/20 10:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/20 10:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/20 10:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/20 10:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/20 10:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/20 10:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/20 10:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/20 10:57	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/20 10:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/20 10:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/20 10:57	1
Acetone	ND		10	3.0	ug/L			10/28/20 10:57	1
Benzene	ND		1.0	0.41	ug/L			10/28/20 10:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/20 10:57	1
Bromoform	ND		1.0	0.26	ug/L			10/28/20 10:57	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/20 10:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/20 10:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/20 10:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/20 10:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/20 10:57	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/20 10:57	1
Chloroform	ND		1.0	0.34	ug/L			10/28/20 10:57	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/20 10:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/20 10:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/20 10:57	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/20 10:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/20 10:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/20 10:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/20 10:57	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/20 10:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/20 10:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/20 10:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/20 10:57	1
Styrene	ND		1.0	0.73	ug/L			10/28/20 10:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/20 10:57	1
Toluene	ND		1.0	0.51	ug/L			10/28/20 10:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/20 10:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/20 10:57	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/20 10:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/20 10:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/20 10:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/20 10:57	1

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

Lab Sample ID: MB 480-556141/7
Matrix: Water
Analysis Batch: 556141

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*10/28/20 10:57*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/28/20 10:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/28/20 10:57*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/28/20 10:57*	*1*

Lab Sample ID: LCS 480-556141/5
Matrix: Water
Analysis Batch: 556141

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	25.0	22.7		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.2		ug/L		93	61 - 148
1,1-Dichloroethane	25.0	22.8		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	24.2		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	56 - 134
1,2-Dibromoethane	25.0	25.6		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	20.5		ug/L		82	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	23.6		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.4		ug/L		94	80 - 120
2-Hexanone	125	116		ug/L		93	65 - 127
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	112		ug/L		89	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	23.9		ug/L		95	80 - 122
Bromoform	25.0	28.9		ug/L		116	61 - 132
Bromomethane	25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	25.0	24.4		ug/L		98	59 - 134
Carbon tetrachloride	25.0	22.6		ug/L		90	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Dibromochloromethane	25.0	26.4		ug/L		106	75 - 125
Chloroethane	25.0	18.2		ug/L		73	69 - 136
Chloroform	25.0	21.9		ug/L		88	73 - 127
Chloromethane	25.0	21.4		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	23.0		ug/L		92	59 - 135
Dichlorodifluoromethane	25.0	23.5		ug/L		94	59 - 135
Ethylbenzene	25.0	23.9		ug/L		95	77 - 123
Isopropylbenzene	25.0	22.9		ug/L		92	77 - 122
Methyl acetate	50.0	45.6		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	24.0		ug/L		96	77 - 120
Methylcyclohexane	25.0	23.8		ug/L		95	68 - 134

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

Lab Sample ID: LCS 480-556141/5
Matrix: Water
Analysis Batch: 556141

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	25.3		ug/L		101	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
Trichloroethene	25.0	23.9		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	22.6		ug/L		90	62 - 150
Vinyl chloride	25.0	21.3		ug/L		85	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

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

Lab Sample ID: MB 480-556151/1-A
Matrix: Water
Analysis Batch: 556960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/28/20 08:42	11/02/20 22:16	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/02/20 22:16	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/02/20 22:16	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/02/20 22:16	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/02/20 22:16	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/02/20 22:16	1

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

Lab Sample ID: MB 480-556151/1-A
Matrix: Water
Analysis Batch: 556960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		5.0	0.54	ug/L		10/28/20 08:42	11/02/20 22:16	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/02/20 22:16	1
Atrazine	ND		5.0	0.46	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/02/20 22:16	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/02/20 22:16	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/02/20 22:16	1
Caprolactam	ND		5.0	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/02/20 22:16	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/02/20 22:16	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/02/20 22:16	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/02/20 22:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/02/20 22:16	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/02/20 22:16	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/02/20 22:16	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/02/20 22:16	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/02/20 22:16	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/02/20 22:16	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/02/20 22:16	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/02/20 22:16	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/02/20 22:16	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/02/20 22:16	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/02/20 22:16	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/02/20 22:16	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/02/20 22:16	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/02/20 22:16	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/02/20 22:16	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/02/20 22:16	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/02/20 22:16	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/02/20 22:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*41 - 120*	*10/28/20 08:42*	*11/02/20 22:16*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*10/28/20 08:42*	*11/02/20 22:16*	*1*
2-Fluorophenol	*66*		*35 - 120*	*10/28/20 08:42*	*11/02/20 22:16*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*10/28/20 08:42*	*11/02/20 22:16*	*1*
p-Terphenyl-d14	*98*		*60 - 148*	*10/28/20 08:42*	*11/02/20 22:16*	*1*
Phenol-d5	*51*		*22 - 120*	*10/28/20 08:42*	*11/02/20 22:16*	*1*

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

Lab Sample ID: LCS 480-556151/2-A
Matrix: Water
Analysis Batch: 556960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	32.0	30.7		ug/L		96	59 - 120
bis (2-chloroisopropyl) ether	32.0	27.6		ug/L		86	21 - 136
2,4,5-Trichlorophenol	32.0	33.3		ug/L		104	65 - 126
2,4,6-Trichlorophenol	32.0	34.7		ug/L		109	64 - 120
2,4-Dichlorophenol	32.0	31.7		ug/L		99	63 - 120
2,4-Dimethylphenol	32.0	32.2		ug/L		101	47 - 120
2,4-Dinitrophenol	64.0	64.9		ug/L		101	31 - 137
2,4-Dinitrotoluene	32.0	35.6		ug/L		111	69 - 120
2,6-Dinitrotoluene	32.0	35.3		ug/L		110	68 - 120
2-Chloronaphthalene	32.0	30.2		ug/L		94	58 - 120
2-Chlorophenol	32.0	29.3		ug/L		92	48 - 120
2-Methylnaphthalene	32.0	29.8		ug/L		93	59 - 120
2-Methylphenol	32.0	29.8		ug/L		93	39 - 120
2-Nitroaniline	32.0	34.3		ug/L		107	54 - 127
2-Nitrophenol	32.0	32.3		ug/L		101	52 - 125
3,3'-Dichlorobenzidine	64.0	67.9		ug/L		106	49 - 135
3-Nitroaniline	32.0	28.0		ug/L		87	51 - 120
4,6-Dinitro-2-methylphenol	64.0	66.4		ug/L		104	46 - 136
4-Bromophenyl phenyl ether	32.0	31.4		ug/L		98	65 - 120
4-Chloro-3-methylphenol	32.0	33.7		ug/L		105	61 - 123
4-Chloroaniline	32.0	25.3		ug/L		79	30 - 120
4-Chlorophenyl phenyl ether	32.0	32.0		ug/L		100	62 - 120
4-Methylphenol	32.0	29.2		ug/L		91	29 - 131
4-Nitroaniline	32.0	33.8		ug/L		106	65 - 120
4-Nitrophenol	64.0	55.9		ug/L		87	45 - 120
Acenaphthene	32.0	31.2		ug/L		98	60 - 120
Acenaphthylene	32.0	32.5		ug/L		102	63 - 120
Acetophenone	32.0	31.2		ug/L		98	45 - 120
Anthracene	32.0	31.2		ug/L		97	67 - 120
Atrazine	64.0	83.4		ug/L		130	71 - 130
Benzaldehyde	64.0	64.7		ug/L		101	10 - 140
Benzo(a)anthracene	32.0	32.2		ug/L		101	70 - 121
Benzo(a)pyrene	32.0	36.6		ug/L		114	60 - 123
Benzo(b)fluoranthene	32.0	38.1		ug/L		119	66 - 126
Benzo(g,h,i)perylene	32.0	36.8		ug/L		115	66 - 150
Benzo(k)fluoranthene	32.0	36.2		ug/L		113	65 - 124
Bis(2-chloroethoxy)methane	32.0	31.9		ug/L		100	50 - 128
Bis(2-chloroethyl)ether	32.0	30.6		ug/L		96	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	32.8		ug/L		102	63 - 139
Butyl benzyl phthalate	32.0	34.6		ug/L		108	70 - 129
Caprolactam	64.0	28.1		ug/L		44	22 - 120
Carbazole	32.0	32.5		ug/L		102	66 - 123
Chrysene	32.0	31.6		ug/L		99	69 - 120
Di-n-butyl phthalate	32.0	30.8		ug/L		96	69 - 131
Di-n-octyl phthalate	32.0	33.4		ug/L		104	63 - 140
Dibenz(a,h)anthracene	32.0	37.0		ug/L		116	65 - 135
Dibenzofuran	32.0	31.8		ug/L		99	66 - 120
Diethyl phthalate	32.0	36.1		ug/L		113	59 - 127

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

Lab Sample ID: LCS 480-556151/2-A
Matrix: Water
Analysis Batch: 556960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556151

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dimethyl phthalate			32.0	36.2		ug/L		113	68 - 120		
Fluoranthene			32.0	32.3		ug/L		101	69 - 126		
Fluorene			32.0	33.0		ug/L		103	66 - 120		
Hexachlorobenzene			32.0	30.2		ug/L		94	61 - 120		
Hexachlorobutadiene			32.0	24.3		ug/L		76	35 - 120		
Hexachlorocyclopentadiene			32.0	19.8		ug/L		62	31 - 120		
Hexachloroethane			32.0	23.9		ug/L		75	43 - 120		
Indeno(1,2,3-cd)pyrene			32.0	36.1		ug/L		113	69 - 146		
Isophorone			32.0	33.1		ug/L		103	55 - 120		
N-Nitrosodi-n-propylamine			32.0	32.6		ug/L		102	32 - 140		
Naphthalene			32.0	29.0		ug/L		91	57 - 120		
Nitrobenzene			32.0	30.7		ug/L		96	53 - 123		
Pentachlorophenol			64.0	65.4		ug/L		102	29 - 136		
Phenanthrene			32.0	32.3		ug/L		101	68 - 120		
Phenol			32.0	20.3		ug/L		63	17 - 120		
Pyrene			32.0	31.4		ug/L		98	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*114*		*41 - 120*
2-Fluorobiphenyl	*109*		*48 - 120*
2-Fluorophenol	*80*		*35 - 120*
Nitrobenzene-d5	*105*		*46 - 120*
p-Terphenyl-d14	*111*		*60 - 148*
Phenol-d5	*66*		*22 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 556141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177111-1	MW-001	Total/NA	Water	8260C	
480-177111-2	MW-5	Total/NA	Water	8260C	
480-177111-3	MW-11	Total/NA	Water	8260C	
480-177111-4	MW-13	Total/NA	Water	8260C	
480-177111-5	MW-15	Total/NA	Water	8260C	
480-177111-6	MW-17	Total/NA	Water	8260C	
480-177111-7	MW-25	Total/NA	Water	8260C	
480-177111-8	MW-28	Total/NA	Water	8260C	
480-177111-9	TRIP BLANK	Total/NA	Water	8260C	
MB 480-556141/7	Method Blank	Total/NA	Water	8260C	
LCS 480-556141/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 556151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177111-1	MW-001	Total/NA	Water	3510C	
480-177111-2	MW-5	Total/NA	Water	3510C	
480-177111-3	MW-11	Total/NA	Water	3510C	
480-177111-4	MW-13	Total/NA	Water	3510C	
480-177111-5	MW-15	Total/NA	Water	3510C	
480-177111-6	MW-17	Total/NA	Water	3510C	
480-177111-6 - DL	MW-17	Total/NA	Water	3510C	
480-177111-7	MW-25	Total/NA	Water	3510C	
480-177111-8	MW-28	Total/NA	Water	3510C	
MB 480-556151/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-556151/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 556960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-556151/1-A	Method Blank	Total/NA	Water	8270D	556151
LCS 480-556151/2-A	Lab Control Sample	Total/NA	Water	8270D	556151

Analysis Batch: 556964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177111-1	MW-001	Total/NA	Water	8270D	556151
480-177111-2	MW-5	Total/NA	Water	8270D	556151
480-177111-3	MW-11	Total/NA	Water	8270D	556151
480-177111-4	MW-13	Total/NA	Water	8270D	556151
480-177111-5	MW-15	Total/NA	Water	8270D	556151
480-177111-6	MW-17	Total/NA	Water	8270D	556151
480-177111-7	MW-25	Total/NA	Water	8270D	556151
480-177111-8	MW-28	Total/NA	Water	8270D	556151

Analysis Batch: 557147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177111-6 - DL	MW-17	Total/NA	Water	8270D	556151

Client Sample ID: MW-001
Date Collected: 10/23/20 11:00
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	556141	10/28/20 13:29	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556964	11/03/20 06:57	RJS	TAL BUF

Client Sample ID: MW-5
Date Collected: 10/23/20 13:01
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	556141	10/28/20 13:52	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		5	556964	11/03/20 07:24	RJS	TAL BUF

Client Sample ID: MW-11
Date Collected: 10/23/20 11:45
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	556141	10/28/20 14:16	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		5	556964	11/03/20 07:51	RJS	TAL BUF

Client Sample ID: MW-13
Date Collected: 10/23/20 10:37
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	556141	10/28/20 14:39	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		5	556964	11/03/20 08:18	RJS	TAL BUF

Client Sample ID: MW-15
Date Collected: 10/23/20 11:20
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	556141	10/28/20 15:02	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556964	11/03/20 08:46	RJS	TAL BUF

Client Sample ID: MW-17
Date Collected: 10/23/20 10:08
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	556141	10/28/20 15:25	CRL	TAL BUF

Lab Chronicle

Client: Inventum Engineering LLC
Project/Site: 980 Ellicott St - 2020

Job ID: 480-177111-1

Client Sample ID: MW-17
Date Collected: 10/23/20 10:08
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556964	11/03/20 09:13	RJS	TAL BUF
Total/NA	Prep	3510C	DL		556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D	DL	5	557147	11/04/20 08:22	PJQ	TAL BUF

Client Sample ID: MW-25
Date Collected: 10/23/20 09:44
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	556141	10/28/20 15:48	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556964	11/03/20 09:40	RJS	TAL BUF

Client Sample ID: MW-28
Date Collected: 10/23/20 09:24
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	556141	10/28/20 16:11	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556964	11/03/20 10:08	RJS	TAL BUF

Client Sample ID: TRIP BLANK
Date Collected: 10/23/20 00:00
Date Received: 10/23/20 14:45

Lab Sample ID: 480-177111-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	556141	10/28/20 16:34	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Inventum Engineering LLC
Project/Site: 980 Ellicott St - 2020

Job ID: 480-177111-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-001	480-177111-1	96	91	100	103
MW-5	480-177111-2	96	92	101	105
MW-11	480-177111-3	98	94	101	104
MW-13	480-177111-4	95	91	100	105
MW-15	480-177111-5	96	91	101	105
MW-17	480-177111-6	96	92	101	105
MW-25	480-177111-7	97	94	101	106
MW-28	480-177111-8	95	92	101	105
TRIP BLANK	480-177111-9	97	94	101	108
	MB 480-556141/7	97	93	100	103
	LCS 480-556141/5	96	91	102	108

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D37848.D

Lab ID: LCS 480-556141/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.7	91	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.4	97	76-120	
1,1,2-Trichloroethane	25.0	25.4	102	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.2	93	61-148	
1,1-Dichloroethane	25.0	22.8	91	77-120	
1,1-Dichloroethene	25.0	24.2	97	66-127	
1,2,4-Trichlorobenzene	25.0	25.9	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.2	97	56-134	
1,2-Dibromoethane	25.0	25.6	103	77-120	
1,2-Dichlorobenzene	25.0	23.9	96	80-124	
1,2-Dichloroethane	25.0	20.5	82	75-120	
1,2-Dichloropropane	25.0	24.0	96	76-120	
1,3-Dichlorobenzene	25.0	23.6	94	77-120	
1,4-Dichlorobenzene	25.0	23.4	94	80-120	
2-Hexanone	125	116	93	65-127	
2-Butanone (MEK)	125	116	93	57-140	
4-Methyl-2-pentanone (MIBK)	125	116	93	71-125	
Acetone	125	112	89	56-142	
Benzene	25.0	23.9	96	71-124	
Bromodichloromethane	25.0	23.9	95	80-122	
Bromoform	25.0	28.9	116	61-132	
Bromomethane	25.0	25.3	101	55-144	
Carbon disulfide	25.0	24.4	98	59-134	
Carbon tetrachloride	25.0	22.6	90	72-134	
Chlorobenzene	25.0	24.2	97	80-120	
Dibromochloromethane	25.0	26.4	106	75-125	
Chloroethane	25.0	18.2	73	69-136	
Chloroform	25.0	21.9	88	73-127	
Chloromethane	25.0	21.4	85	68-124	
cis-1,2-Dichloroethene	25.0	23.9	96	74-124	
cis-1,3-Dichloropropene	25.0	25.1	100	74-124	
Cyclohexane	25.0	23.0	92	59-135	
Dichlorodifluoromethane	25.0	23.5	94	59-135	
Ethylbenzene	25.0	23.9	95	77-123	
Isopropylbenzene	25.0	22.9	92	77-122	
Methyl acetate	50.0	45.6	91	74-133	
Methyl tert-butyl ether	25.0	24.0	96	77-120	
Methylcyclohexane	25.0	23.8	95	68-134	
Methylene Chloride	25.0	24.7	99	75-124	
Styrene	25.0	24.7	99	80-120	
Tetrachloroethene	25.0	25.3	101	74-122	

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, Buffalo Job No.: 480-177111-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D37848.D

Lab ID: LCS 480-556141/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.2	97	80-122	
trans-1,2-Dichloroethene	25.0	24.3	97	73-127	
Trichloroethene	25.0	23.9	95	74-123	
Trichlorofluoromethane	25.0	22.6	90	62-150	
Vinyl chloride	25.0	21.3	85	65-133	

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, Buffalo Job No.: 480-177111-1

SDG No.:

Lab File ID: D37850.D Lab Sample ID: MB 480-556141/7

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

Instrument ID: HP5975D Date Analyzed: 10/28/2020 10:57

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-556141/5	D37848.D	10/28/2020 10:10
MW-001	480-177111-1	D37856.D	10/28/2020 13:29
MW-5	480-177111-2	D37857.D	10/28/2020 13:52
MW-11	480-177111-3	D37858.D	10/28/2020 14:16
MW-13	480-177111-4	D37859.D	10/28/2020 14:39
MW-15	480-177111-5	D37860.D	10/28/2020 15:02
MW-17	480-177111-6	D37861.D	10/28/2020 15:25
MW-25	480-177111-7	D37862.D	10/28/2020 15:48
MW-28	480-177111-8	D37863.D	10/28/2020 16:11
TRIP BLANK	480-177111-9	D37864.D	10/28/2020 16:34

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab File ID: D36991.D BFB Injection Date: 10/10/2020

Instrument ID: HP5975D BFB Injection Time: 10:53

Analysis Batch No.: 553342

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.9	
75	30.0 - 60.0 % of mass 95	49.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.6	(0.8) 1
174	Greater than 50% of mass 95	86.5	
175	5.0 - 9.0 % of mass 174	6.4	(7.4) 1
176	95.0 - 101.0 % of mass 174	84.1	(97.2) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.5) 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
	IC 480-553342/10	D36996.D	10/10/2020	12:52
	IC 480-553342/11	D36997.D	10/10/2020	13:16
	IC 480-553342/12	D36998.D	10/10/2020	13:39
	IC 480-553342/13	D36999.D	10/10/2020	14:02
	IC 480-553342/14	D37000.D	10/10/2020	14:25
	ICIS 480-553342/15	D37001.D	10/10/2020	14:49
	IC 480-553342/16	D37002.D	10/10/2020	15:12
	IC 480-553342/17	D37003.D	10/10/2020	15:35
	ICV 480-553342/31	D37017.D	10/10/2020	21:01

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab File ID: D37845.D BFB Injection Date: 10/28/2020

Instrument ID: HP5975D BFB Injection Time: 08:59

Analysis Batch No.: 556141

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.3	
75	30.0 - 60.0 % of mass 95	43.8	
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	Greater than 50% of mass 95	95.5	
175	5.0 - 9.0 % of mass 174	7.4	(7.7) 1
176	95.0 - 101.0 % of mass 174	94.7	(99.2) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.2) 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 480-556141/3	D37846.D	10/28/2020	9:24
	LCS 480-556141/5	D37848.D	10/28/2020	10:10
	MB 480-556141/7	D37850.D	10/28/2020	10:57
MW-001	480-177111-1	D37856.D	10/28/2020	13:29
MW-5	480-177111-2	D37857.D	10/28/2020	13:52
MW-11	480-177111-3	D37858.D	10/28/2020	14:16
MW-13	480-177111-4	D37859.D	10/28/2020	14:39
MW-15	480-177111-5	D37860.D	10/28/2020	15:02
MW-17	480-177111-6	D37861.D	10/28/2020	15:25
MW-25	480-177111-7	D37862.D	10/28/2020	15:48
MW-28	480-177111-8	D37863.D	10/28/2020	16:11
TRIP BLANK	480-177111-9	D37864.D	10/28/2020	16:34

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: ICIS 480-553342/15 Date Analyzed: 10/10/2020 14:49

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D37001.D Heated Purge: (Y/N) N

Calibration ID: 40426

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		156871	5.44	331866	7.82	339488	9.75
UPPER LIMIT		313742	5.94	663732	8.32	678976	10.25
LOWER LIMIT		78436	4.94	165933	7.32	169744	9.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-553342/31		159027	5.43	344451	7.81	350542	9.74
CCVIS 480-556141/3		128682	5.43	281430	7.81	305625	9.74

FB = Fluorobenzene (IS)
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, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: CCVIS 480-556141/3 Date Analyzed: 10/28/2020 09:24

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D37846.D Heated Purge: (Y/N) N

Calibration ID: 40429

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		128682	5.43	281430	7.81	305625	9.74
UPPER LIMIT		257364	5.93	562860	8.31	611250	10.24
LOWER LIMIT		64341	4.93	140715	7.31	152813	9.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-556141/5		132788	5.43	280660	7.81	306400	9.74
MB 480-556141/7		133325	5.43	287873	7.81	307269	9.74
480-177111-1	MW-001	141512	5.43	303532	7.81	320453	9.74
480-177111-2	MW-5	137587	5.43	294113	7.81	316855	9.74
480-177111-3	MW-11	139376	5.43	298075	7.81	320027	9.74
480-177111-4	MW-13	137571	5.43	291587	7.81	311519	9.74
480-177111-5	MW-15	139405	5.43	296478	7.81	315722	9.74
480-177111-6	MW-17	136226	5.43	293701	7.82	316700	9.74
480-177111-7	MW-25	134396	5.43	288985	7.81	310630	9.74
480-177111-8	MW-28	135844	5.43	291509	7.81	312163	9.74
480-177111-9	TRIP BLANK	133506	5.43	286763	7.81	314204	9.74

FB = Fluorobenzene (IS)
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, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-001 Lab Sample ID: 480-177111-1

Matrix: Water Lab File ID: D37856.D

Analysis Method: 8260C Date Collected: 10/23/2020 11:00

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 13:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-001 Lab Sample ID: 480-177111-1

Matrix: Water Lab File ID: D37856.D

Analysis Method: 8260C Date Collected: 10/23/2020 11:00

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 13:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37856.D
Lims ID: 480-177111-D-1
Client ID: MW-001
Sample Type: Client
Inject. Date: 28-Oct-2020 13:29:30 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177111-D-1
Misc. Info.: 480-0094508-012
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:28:17 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:28:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	99	141512	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	85	303532	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	320453	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	94	201553	23.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	97	112766	22.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	716803	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	258237	25.8	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.190				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	Ua
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	U
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

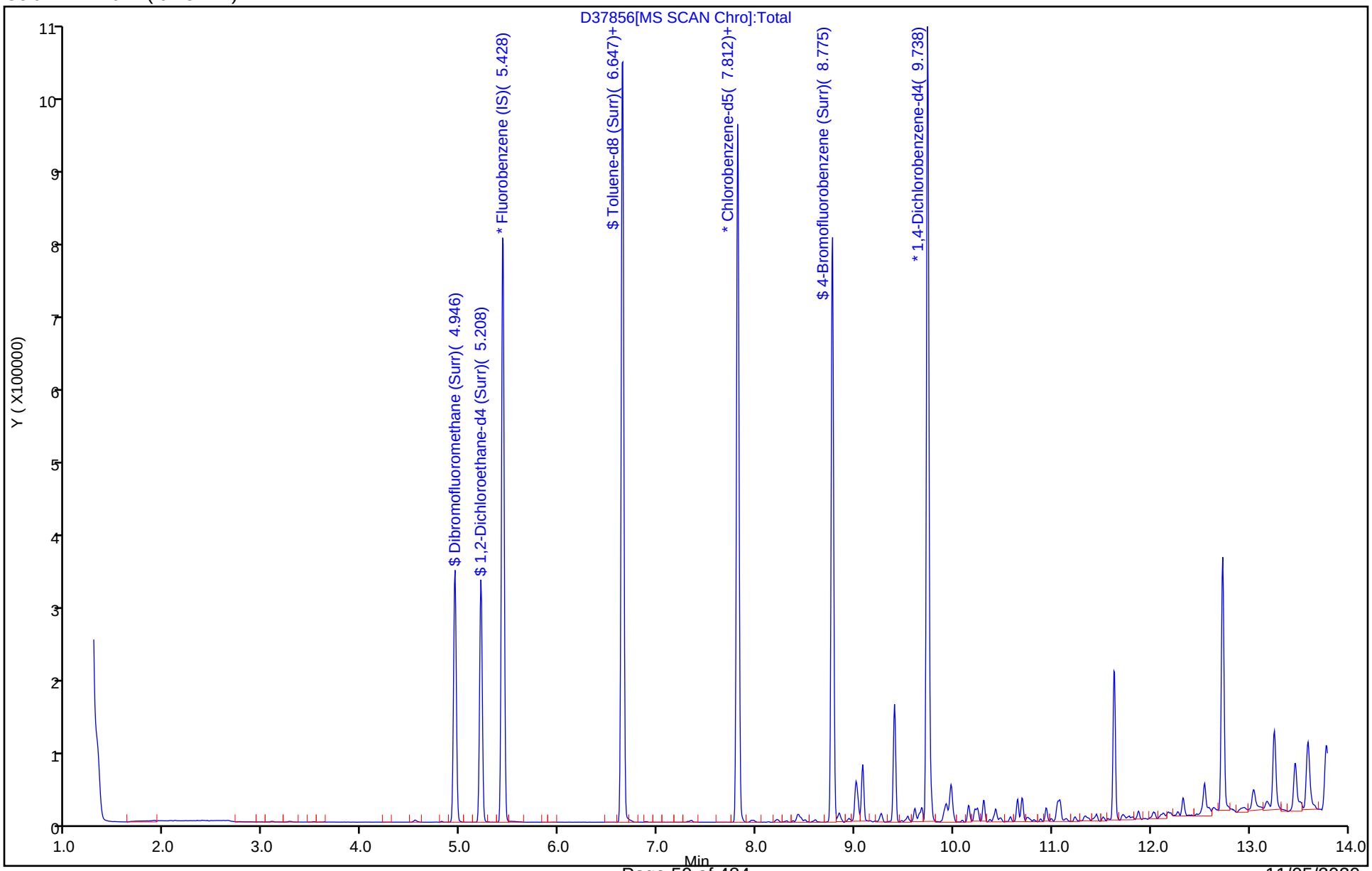
Report Date: 29-Oct-2020 09:28:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37856.D

Injection Date:	28-Oct-2020 13:29:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-D-1	Lab Sample ID:	480-177111-1	Worklist Smp#:	12
Client ID:	MW-001				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



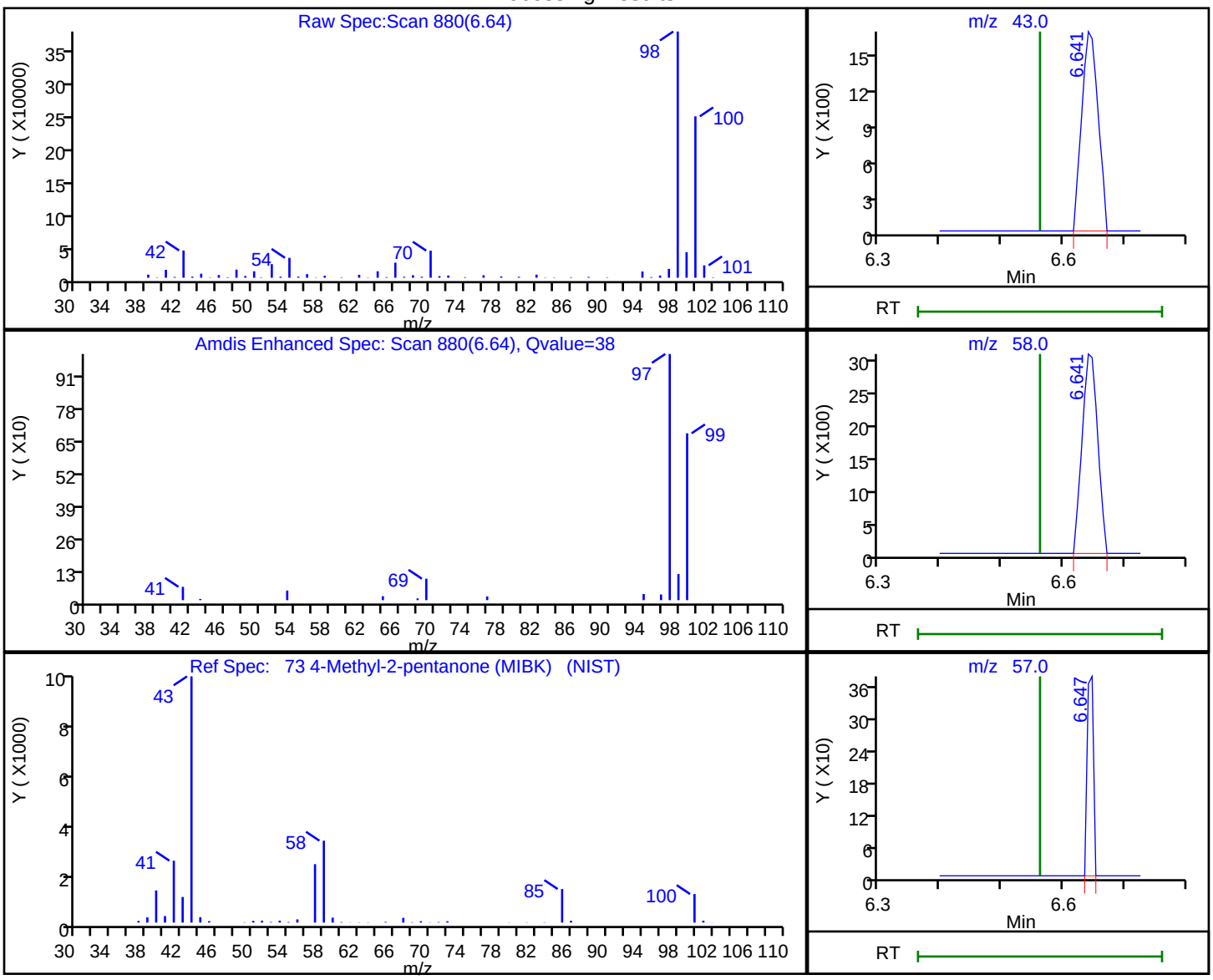
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37856.D				
Injection Date:	28-Oct-2020 13:29:30	Instrument ID:	HP5975D		
Lims ID:	480-177111-D-1	Lab Sample ID:	480-177111-1		
Client ID:	MW-001				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.64	43.00	3106	0.349530
6.64	58.00	5393	
6.65	57.00	272	

Reviewer: izquierdoo, 29-Oct-2020 09:28:05

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

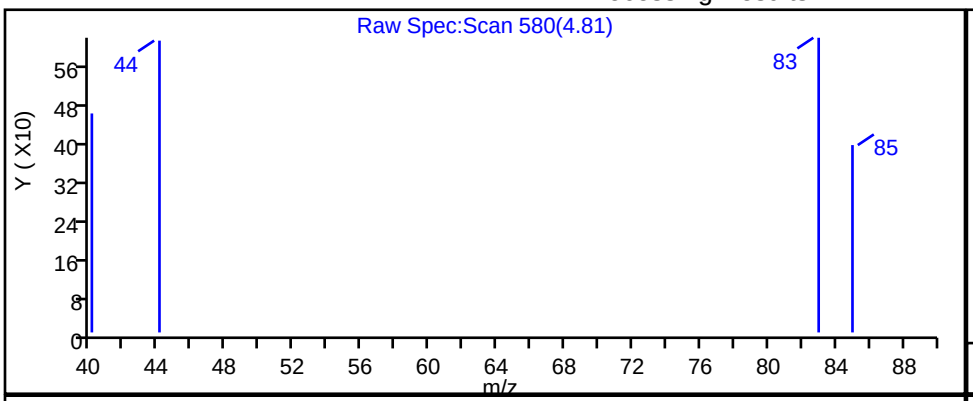
User Disabled Compound Report

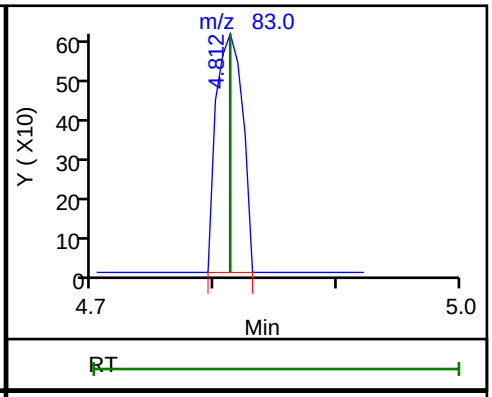
Eurofins TestAmerica, Buffalo

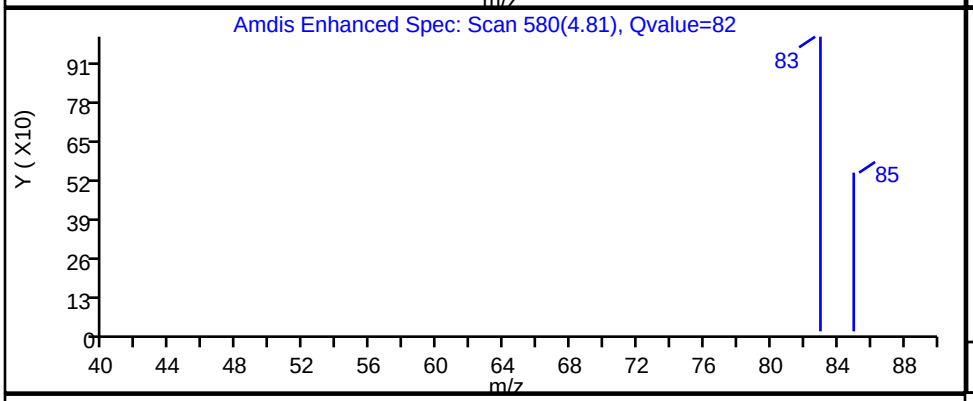
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Injection Date:	28-Oct-2020 13:29:30	Instrument ID:	HP5975D		
Lims ID:	480-177111-D-1	Lab Sample ID:	480-177111-1		
Client ID:	MW-001				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

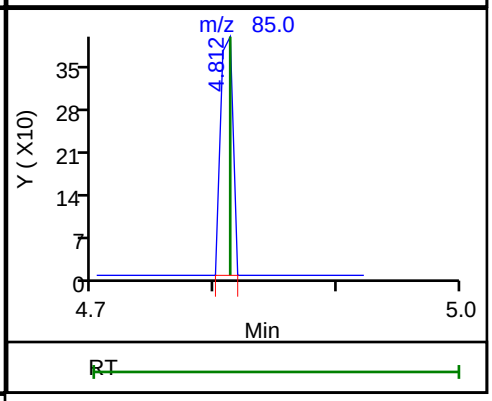
50 Chloroform, CAS: 67-66-3

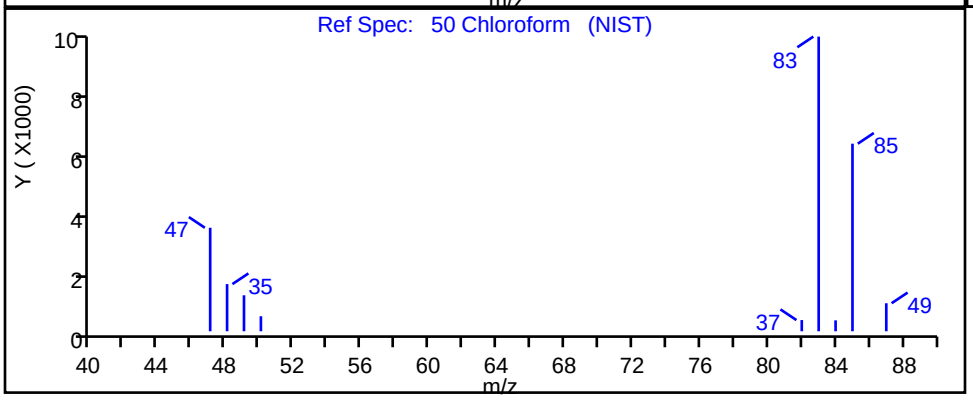
Processing Results











RT	Mass	Response	Amount
4.81	83.00	922	0.058834
4.81	85.00	277	

Reviewer: izquierdoo, 29-Oct-2020 09:28:13

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-5 Lab Sample ID: 480-177111-2

Matrix: Water Lab File ID: D37857.D

Analysis Method: 8260C Date Collected: 10/23/2020 13:01

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 13:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-5 Lab Sample ID: 480-177111-2

Matrix: Water Lab File ID: D37857.D

Analysis Method: 8260C Date Collected: 10/23/2020 13:01

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 13:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37857.D
Lims ID: 480-177111-D-2
Client ID: MW-5
Sample Type: Client
Inject. Date: 28-Oct-2020 13:52:30 ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177111-D-2
Misc. Info.: 480-0094508-013
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:24:22 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:24:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.428	0.006	99	137587	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	85	294113	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	316855	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	93	196706	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	97	110545	22.9	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	700267	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	253848	26.2	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.190				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

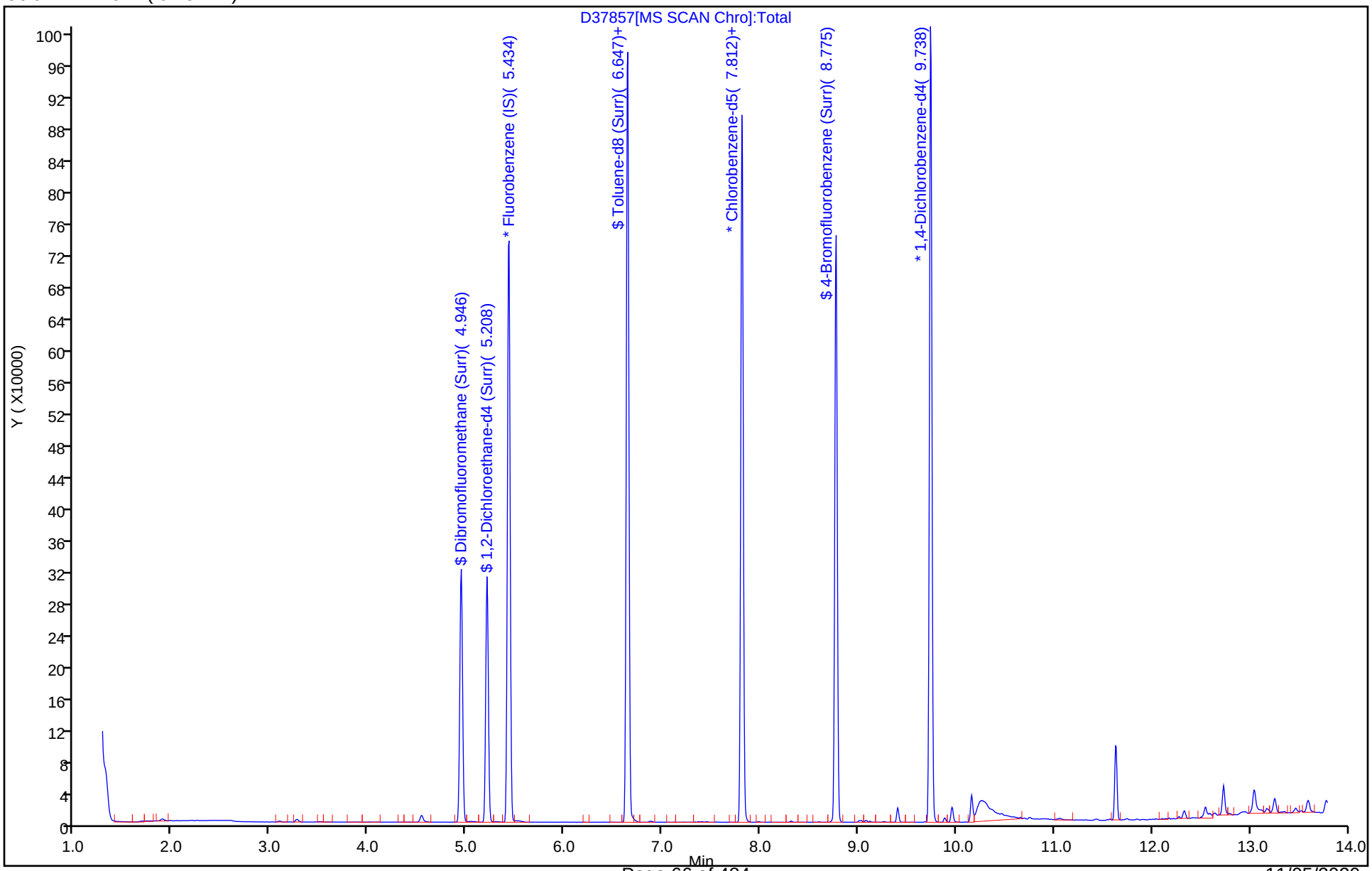
Report Date: 29-Oct-2020 09:24:41 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37857.D

Injection Date:	28-Oct-2020 13:52:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-D-2	Lab Sample ID:	480-177111-2	Worklist Smp#:	13
Client ID:	MW-5				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-11 Lab Sample ID: 480-177111-3

Matrix: Water Lab File ID: D37858.D

Analysis Method: 8260C Date Collected: 10/23/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 14:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.1		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-11 Lab Sample ID: 480-177111-3

Matrix: Water Lab File ID: D37858.D

Analysis Method: 8260C Date Collected: 10/23/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 14:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37858.D
Lims ID: 480-177111-D-3
Client ID: MW-11
Sample Type: Client
Inject. Date: 28-Oct-2020 14:16:30 ALS Bottle#: 15 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177111-D-3
Misc. Info.: 480-0094508-014
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:25:05 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:25:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.428	0.006	99	139376	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	85	298075	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	320027	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	94	202846	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	97	114289	23.4	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	710268	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	255129	26.0	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	U
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43	3.093	3.087	0.006	97	6495	2.49	
26 Carbon disulfide	76		3.190				ND	7
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83	4.812	4.812	0.000	94	32384	2.10	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.562	0.006	89	3000	0.3438	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

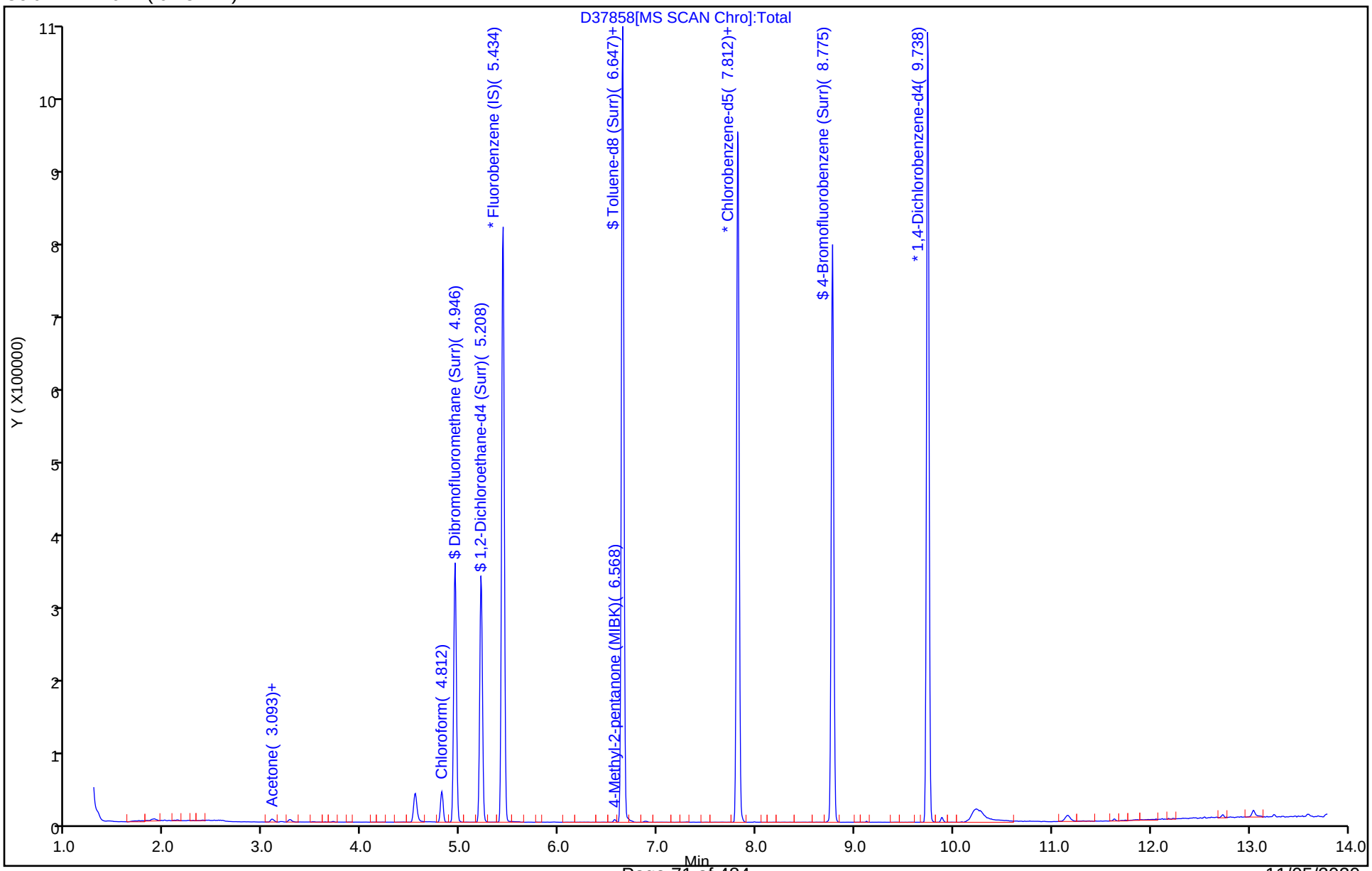
Report Date: 29-Oct-2020 09:25:05 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37858.D

Injection Date:	28-Oct-2020 14:16:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-D-3	Lab Sample ID:	480-177111-3	Worklist Smp#:	14
Client ID:	MW-11				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

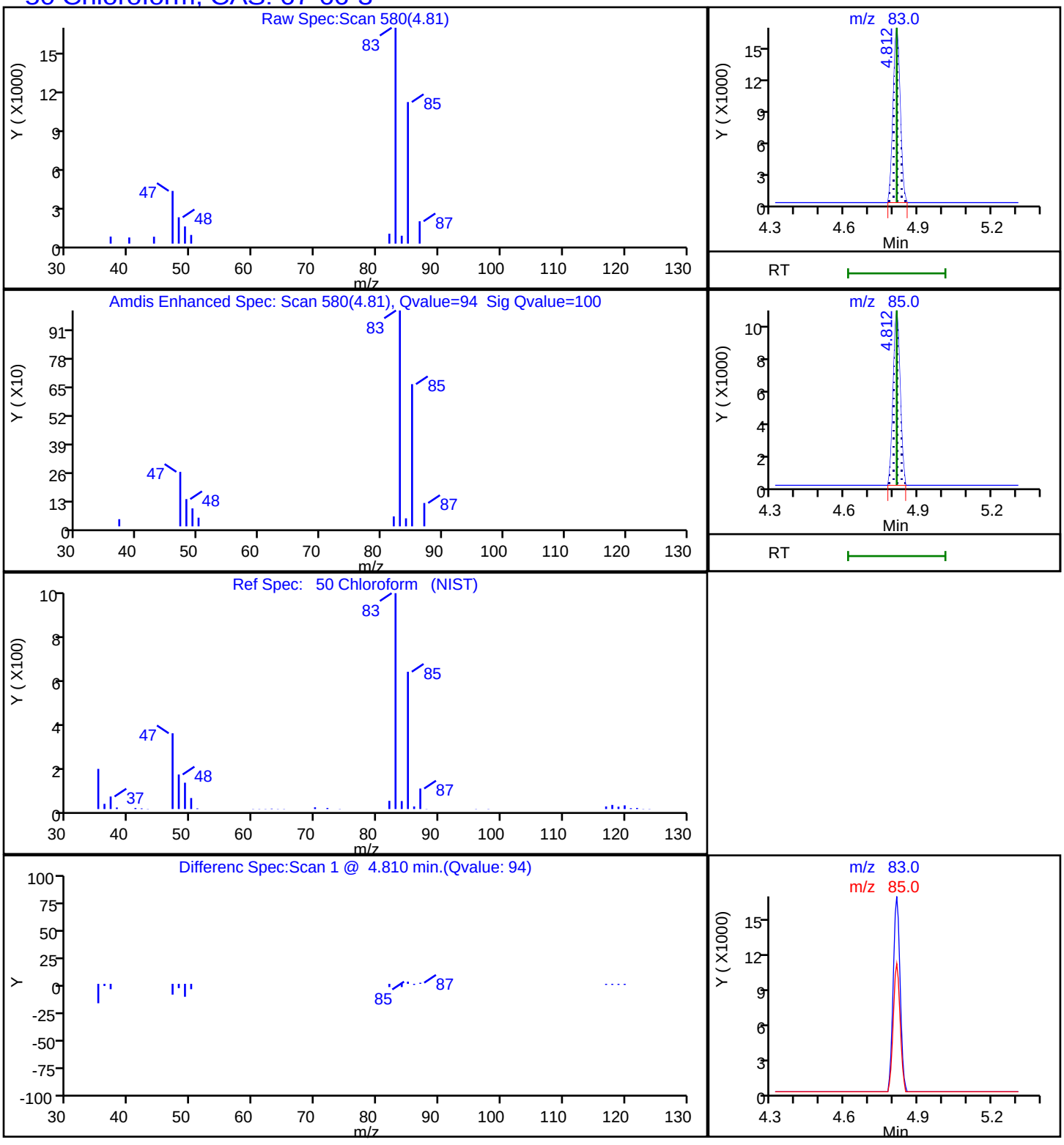
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37858.D				
Injection Date:	28-Oct-2020 14:16:30	Instrument ID:	HP5975D		
Lims ID:	480-177111-D-3	Lab Sample ID:	480-177111-3		
Client ID:	MW-11				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3



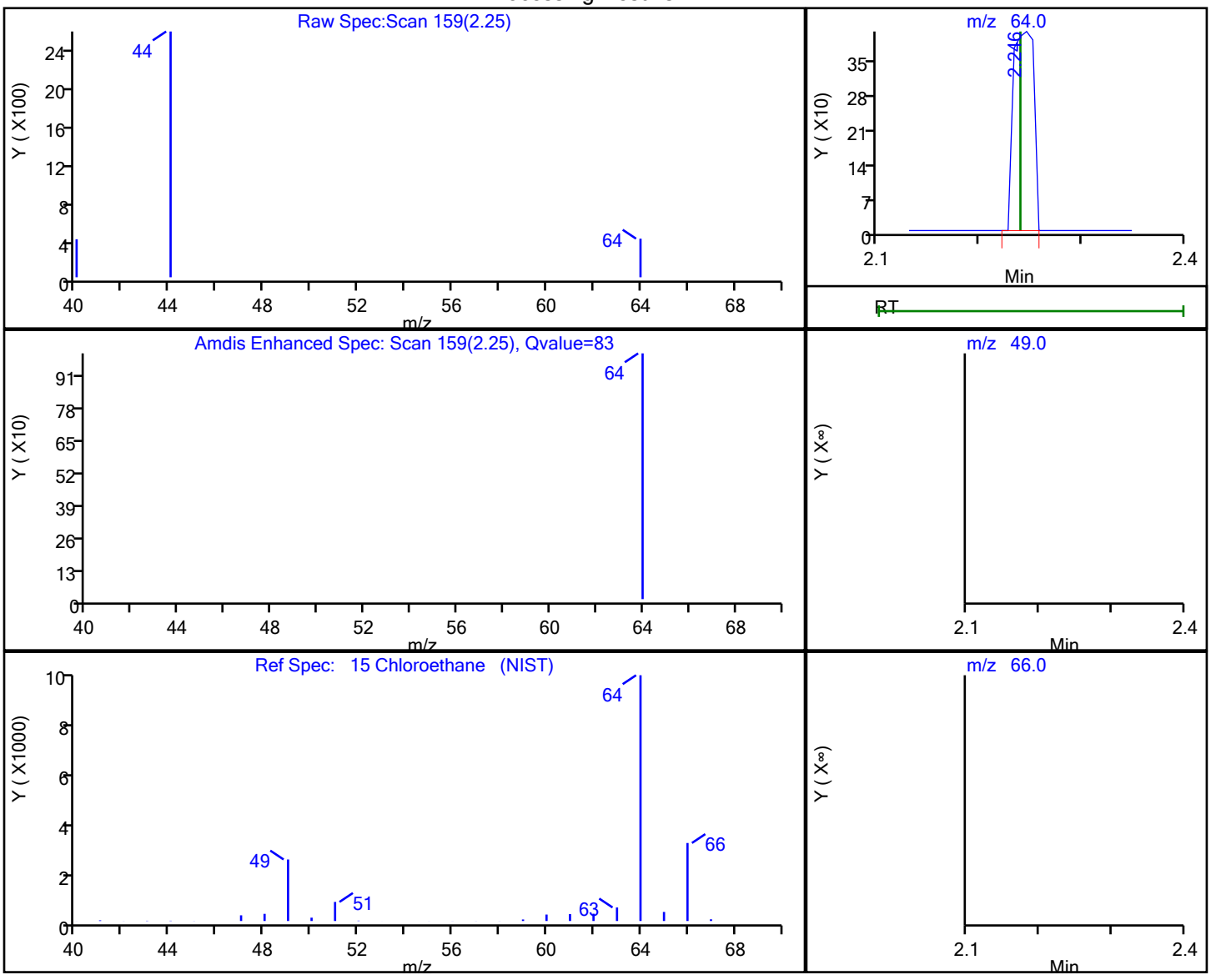
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37858.D				
Injection Date:	28-Oct-2020 14:16:30	Instrument ID:	HP5975D		
Lims ID:	480-177111-D-3	Lab Sample ID:	480-177111-3		
Client ID:	MW-11				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.25	64.00	568	0.095986
2.24	49.00	0	
2.24	66.00	0	

Reviewer: izquierdoo, 29-Oct-2020 09:25:00

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-13 Lab Sample ID: 480-177111-4

Matrix: Water Lab File ID: D37859.D

Analysis Method: 8260C Date Collected: 10/23/2020 10:37

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 14:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-13 Lab Sample ID: 480-177111-4

Matrix: Water Lab File ID: D37859.D

Analysis Method: 8260C Date Collected: 10/23/2020 10:37

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 14:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37859.D
Lims ID: 480-177111-D-4
Client ID: MW-13
Sample Type: Client
Inject. Date: 28-Oct-2020 14:39:30 ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177111-D-4
Misc. Info.: 480-0094508-015
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:25:05 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:25:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.428	0.006	99	137571	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	85	291587	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	311519	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	94	195411	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	98	109300	22.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	687095	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	252847	26.3	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.190				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

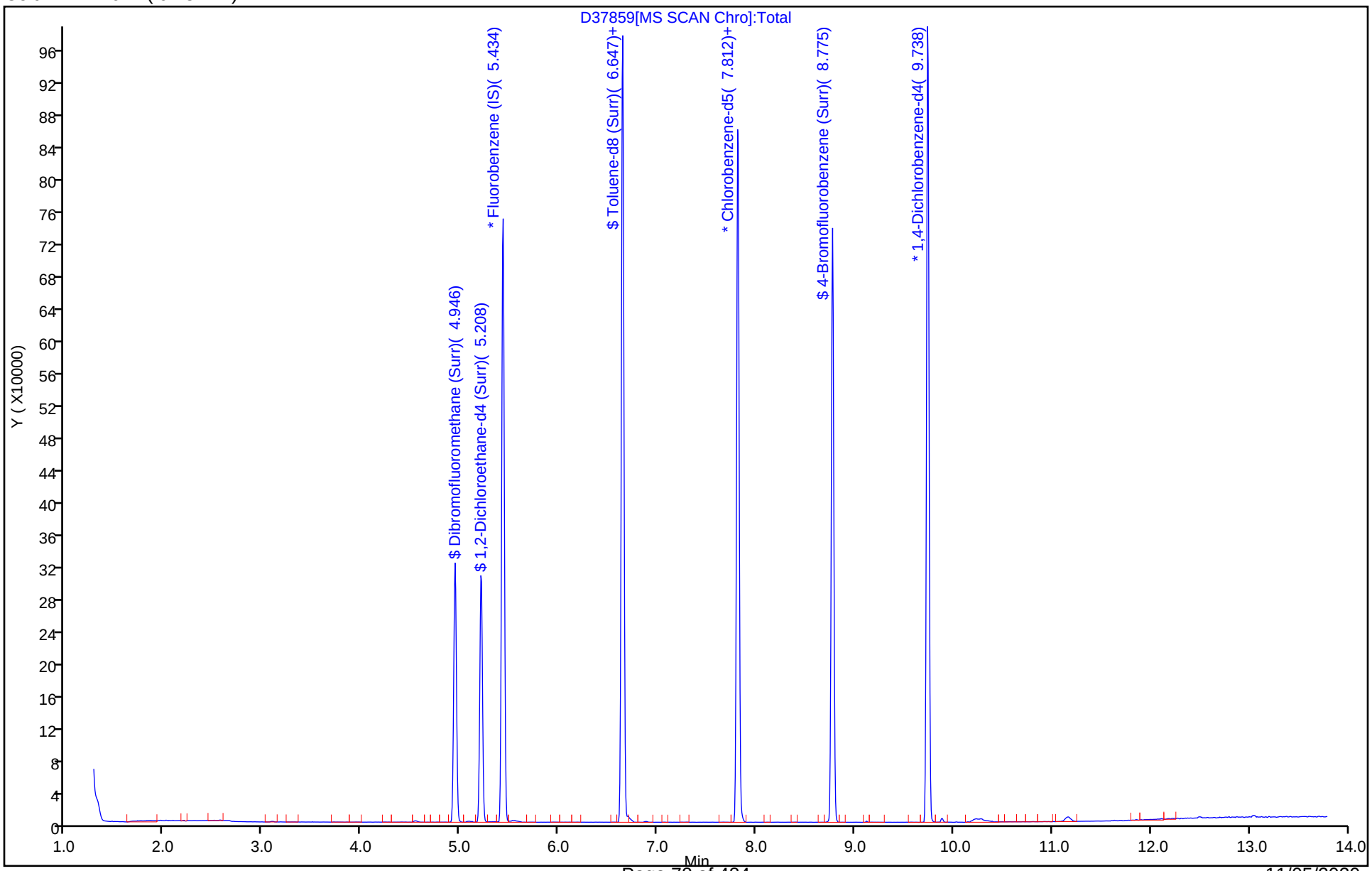
Report Date: 29-Oct-2020 09:25:20 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37859.D

Injection Date:	28-Oct-2020 14:39:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-D-4	Lab Sample ID:	480-177111-4	Worklist Smp#:	15
Client ID:	MW-13				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-15 Lab Sample ID: 480-177111-5

Matrix: Water Lab File ID: D37860.D

Analysis Method: 8260C Date Collected: 10/23/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 15:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-15 Lab Sample ID: 480-177111-5

Matrix: Water Lab File ID: D37860.D

Analysis Method: 8260C Date Collected: 10/23/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 15:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37860.D
Lims ID: 480-177111-D-5
Client ID: MW-15
Sample Type: Client
Inject. Date: 28-Oct-2020 15:02:30 ALS Bottle#: 17 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177111-D-5
Misc. Info.: 480-0094508-016
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:25:05 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:25:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.428	0.006	99	139405	25.0	
* 2 Chlorobenzene-d5	82	7.811	7.812	-0.001	85	296478	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.738	0.006	94	315722	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	94	199557	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	98	111567	22.8	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	709059	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	255548	26.2	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.190				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

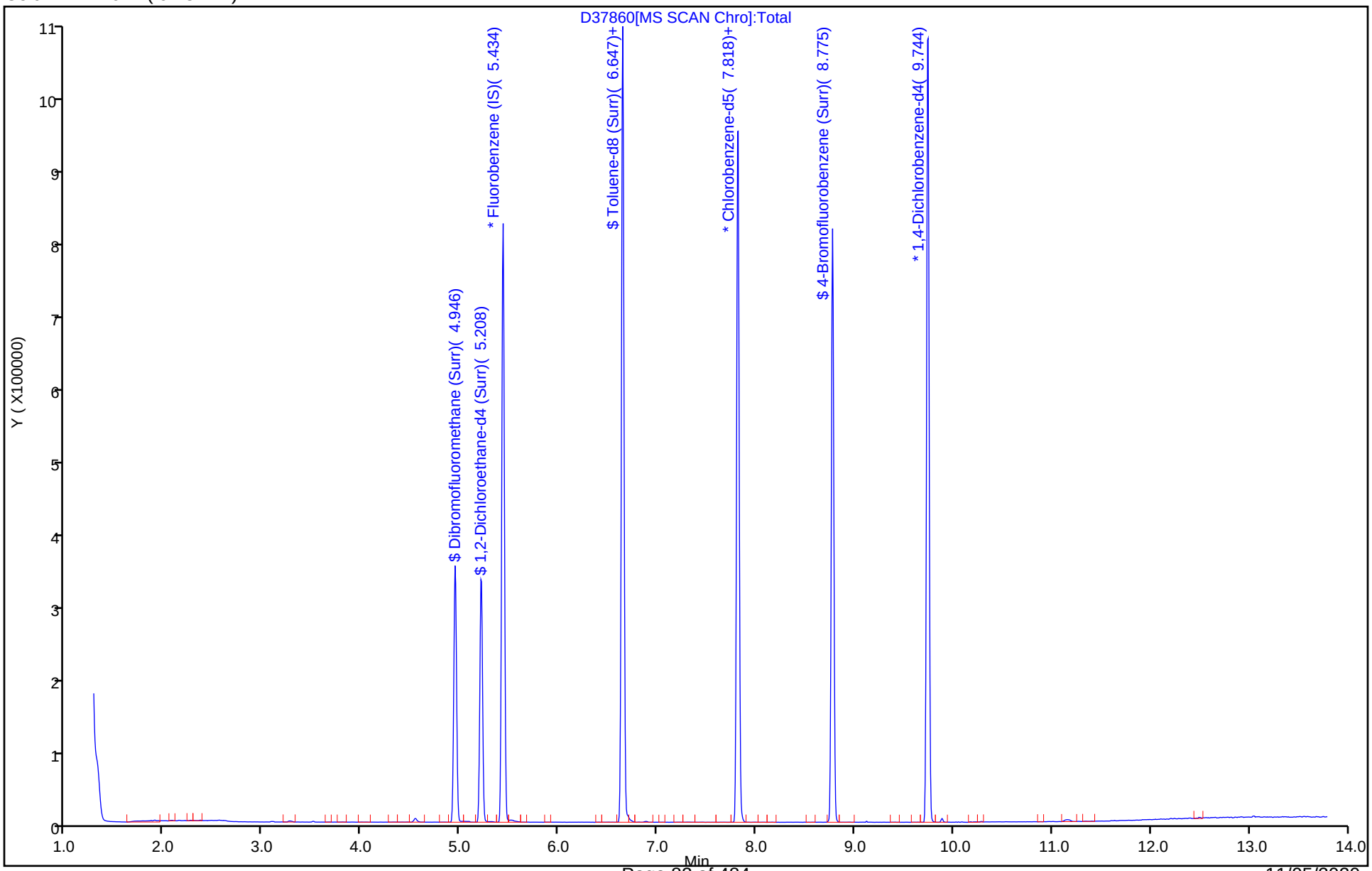
Report Date: 29-Oct-2020 09:25:32 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37860.D

Injection Date:	28-Oct-2020 15:02:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-D-5	Lab Sample ID:	480-177111-5	Worklist Smp#:	16
Client ID:	MW-15				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-17 Lab Sample ID: 480-177111-6

Matrix: Water Lab File ID: D37861.D

Analysis Method: 8260C Date Collected: 10/23/2020 10:08

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 15:25

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
591-78-6	2-Hexanone	ND		50	12
78-93-3	2-Butanone (MEK)	ND		100	13
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Dibromochloromethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	ND		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-17 Lab Sample ID: 480-177111-6

Matrix: Water Lab File ID: D37861.D

Analysis Method: 8260C Date Collected: 10/23/2020 10:08

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 15:25

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	ND		10	9.0
1330-20-7	Xylenes, Total	8.1	J	20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37861.D
Lims ID: 480-177111-D-6
Client ID: MW-17
Sample Type: Client
Inject. Date: 28-Oct-2020 15:25:30 ALS Bottle#: 18 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-177111-D-6
Misc. Info.: 480-0094508-017
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:26:17 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:26:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.428	0.006	99	136226	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.812	0.006	85	293701	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.738	0.006	93	316700	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	93	195257	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	97	109662	23.0	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	700938	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	253114	26.2	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	Ua
26 Carbon disulfide	76		3.190				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	7
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	Ua
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91	7.891	7.891	0.000	91	4656	0.1261	
90 m-Xylene & p-Xylene	106	7.982	7.976	0.006	97	6567	0.4621	
91 o-Xylene	106	8.318	8.311	0.007	96	11178	0.8053	
92 Styrene	104		8.336				ND	7
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105	8.604	8.598	0.006	93	10768	0.2853	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	U
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1				0		1.27	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

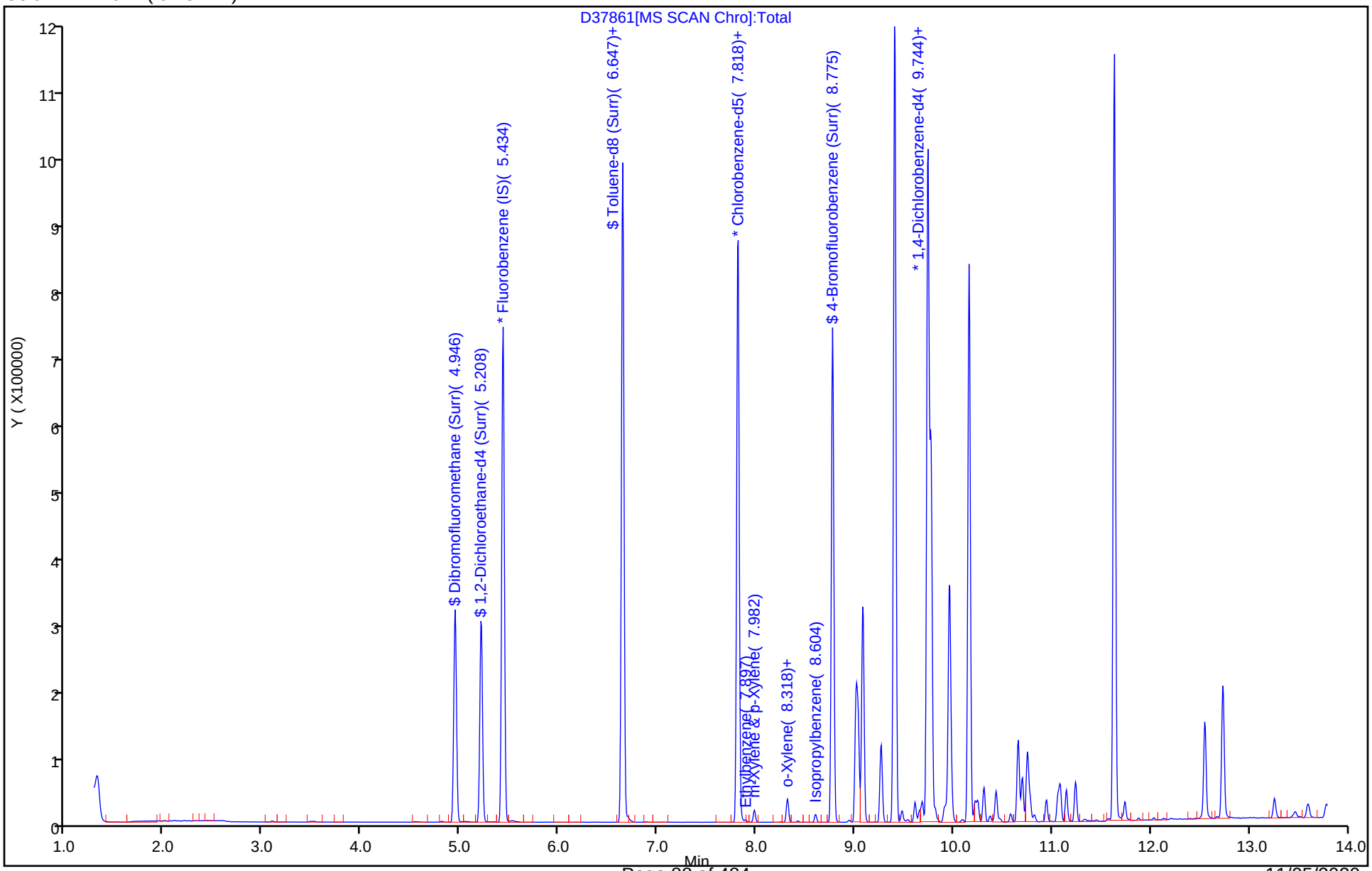
Report Date: 29-Oct-2020 09:26:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37861.D

Injection Date:	28-Oct-2020 15:25:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-D-6	Lab Sample ID:	480-177111-6	Worklist Smp#:	17
Client ID:	MW-17				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	18
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



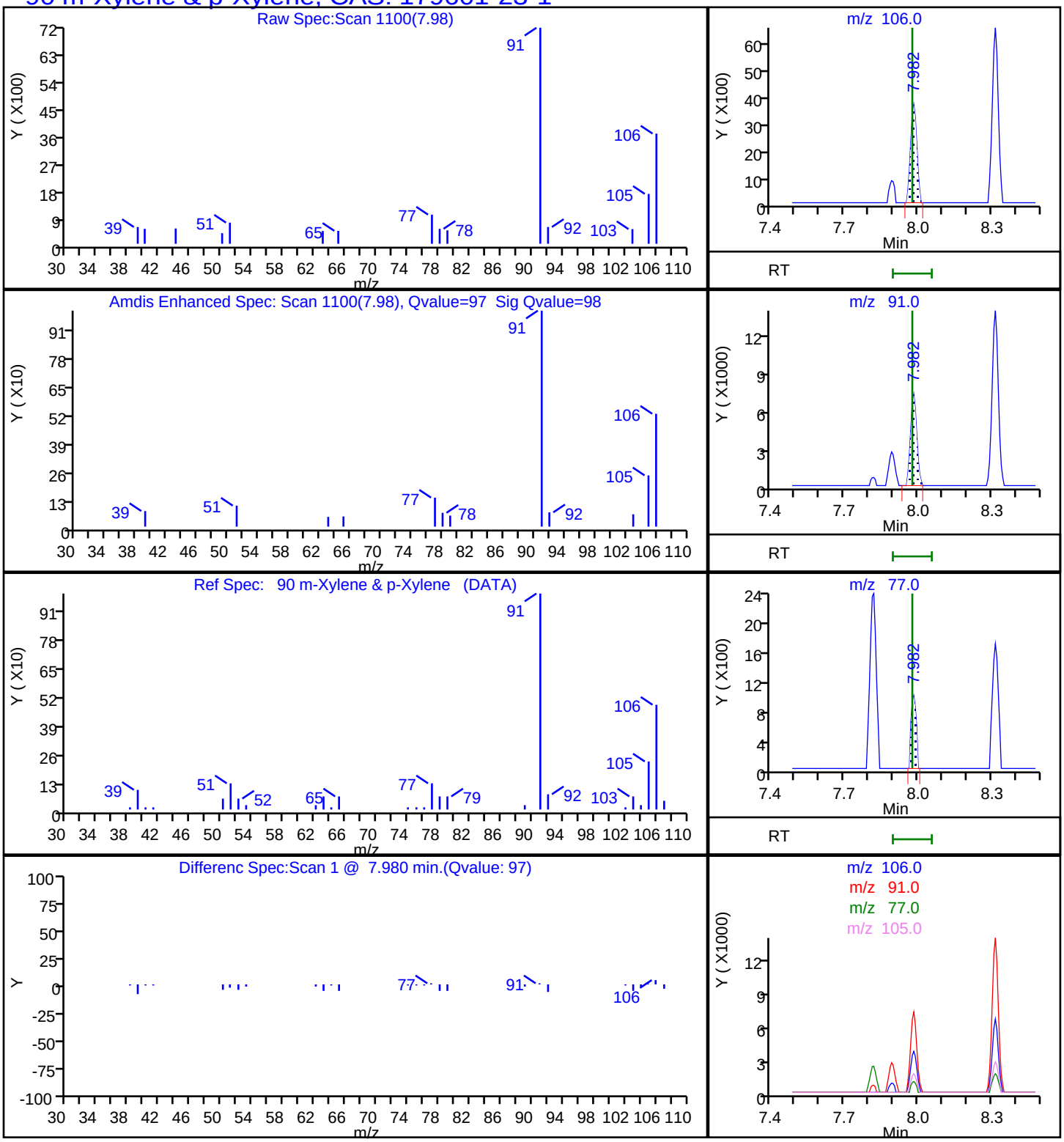
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37861.D

Injection Date:	28-Oct-2020 15:25:30	Instrument ID:	HP5975D		
Lims ID:	480-177111-D-6	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	OI	ALS Bottle#:	18	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1



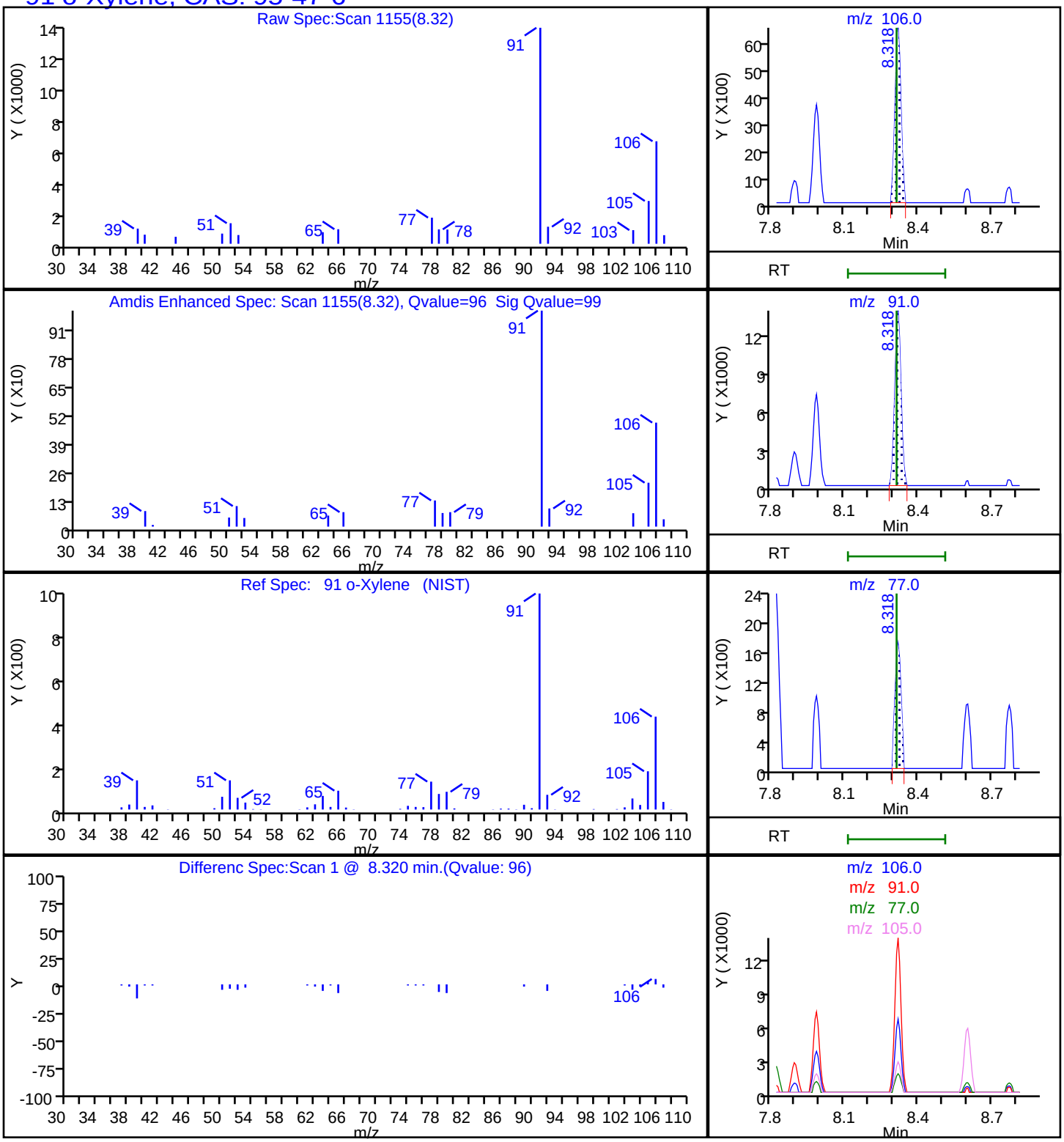
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37861.D

Injection Date:	28-Oct-2020 15:25:30	Instrument ID:	HP5975D		
Lims ID:	480-177111-D-6	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	OI	ALS Bottle#:	18	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



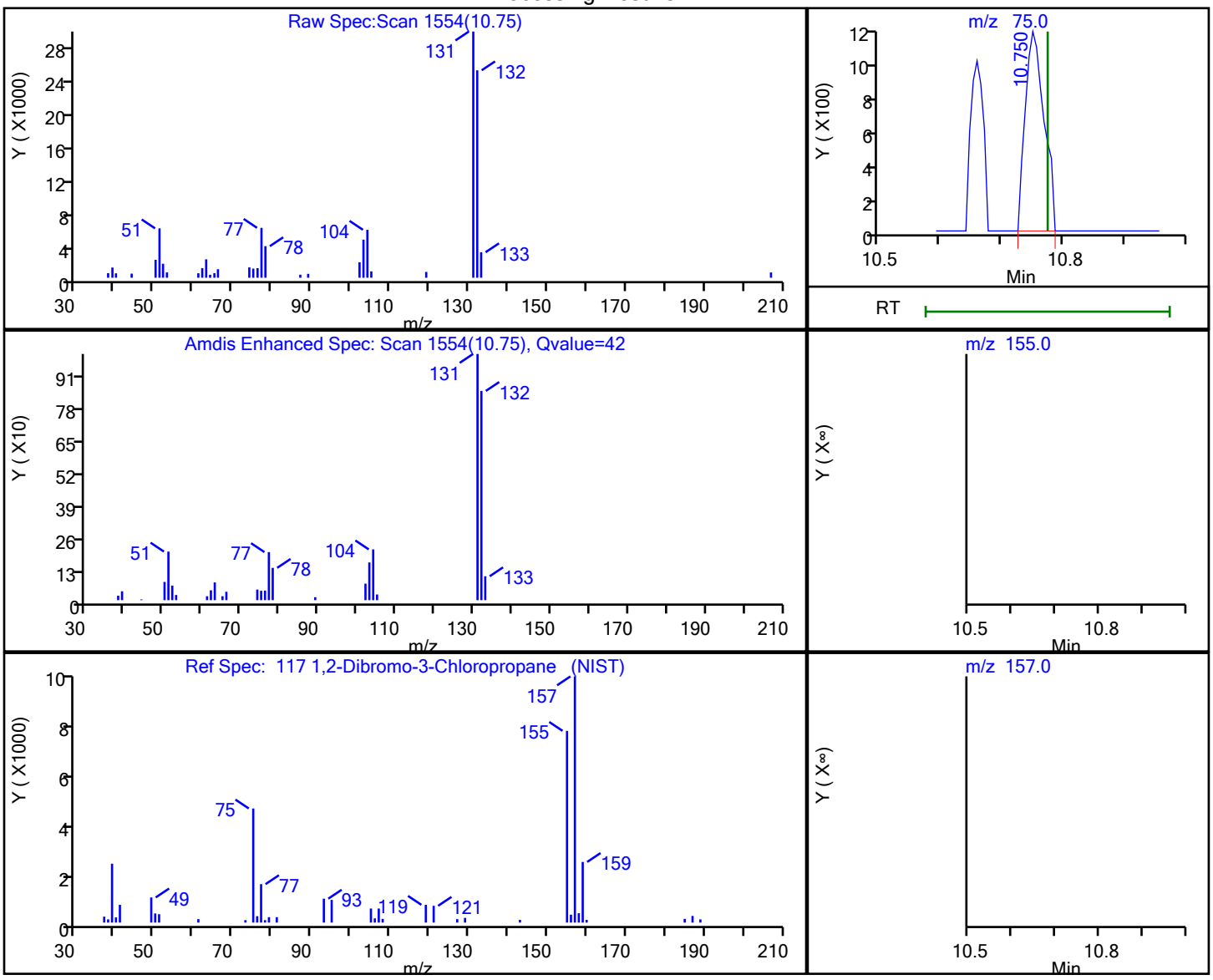
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37861.D				
Injection Date:	28-Oct-2020 15:25:30	Instrument ID:	HP5975D		
Lims ID:	480-177111-D-6	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	OI	ALS Bottle#:	18	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Processing Results



RT	Mass	Response	Amount
10.75	75.00	2358	1.257716
10.77	155.00	0	
10.77	157.00	0	

Reviewer: izquierdoo, 29-Oct-2020 09:25:39

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

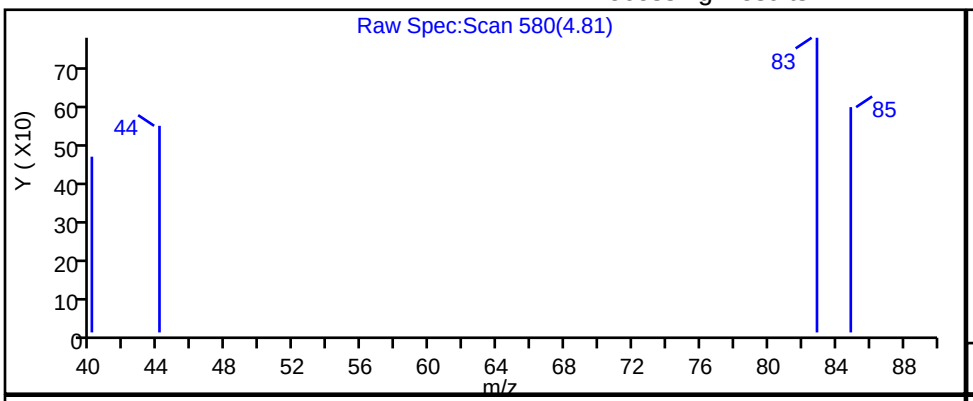
User Disabled Compound Report

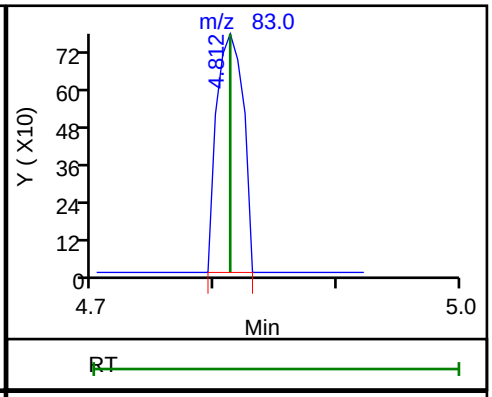
Eurofins TestAmerica, Buffalo

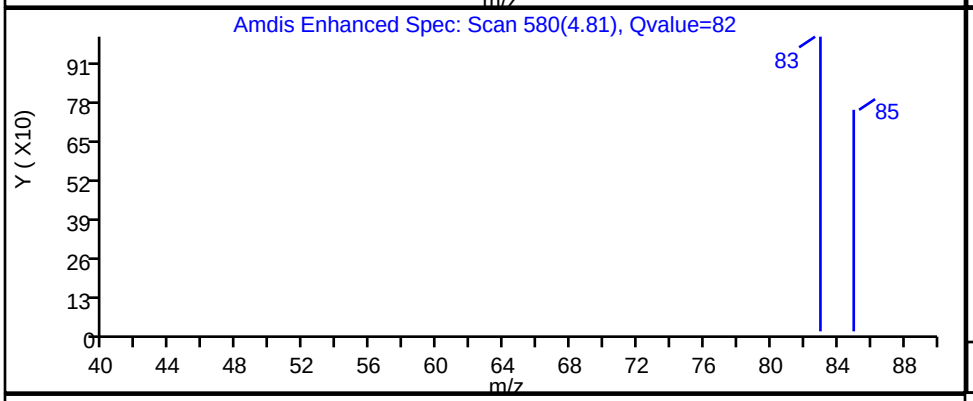
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37861.D				
Injection Date:	28-Oct-2020 15:25:30	Instrument ID:	HP5975D		
Lims ID:	480-177111-D-6	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	OI	ALS Bottle#:	18	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

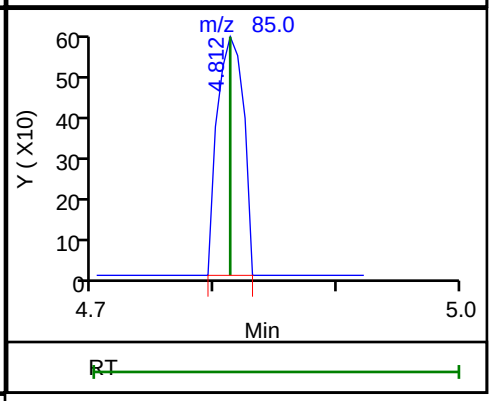
50 Chloroform, CAS: 67-66-3

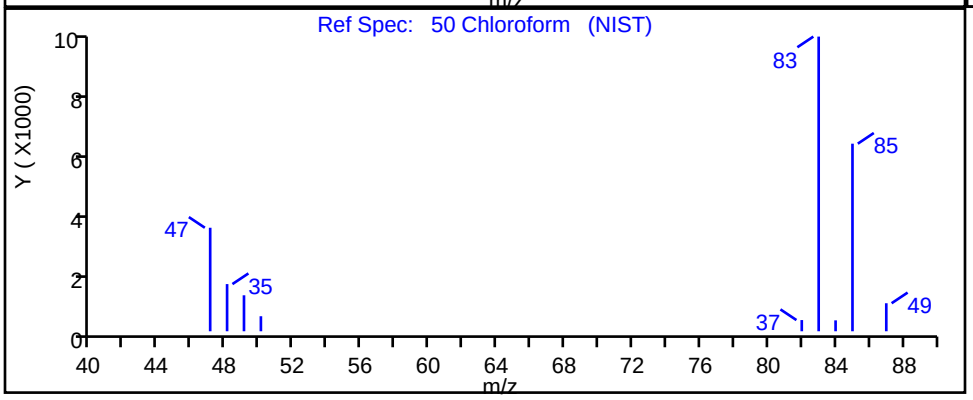
Processing Results











RT	Mass	Response	Amount
4.81	83.00	1170	0.077556
4.81	85.00	881	

Reviewer: izquierdoo, 29-Oct-2020 09:25:53

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-25 Lab Sample ID: 480-177111-7

Matrix: Water Lab File ID: D37862.D

Analysis Method: 8260C Date Collected: 10/23/2020 09:44

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 15:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-25 Lab Sample ID: 480-177111-7

Matrix: Water Lab File ID: D37862.D

Analysis Method: 8260C Date Collected: 10/23/2020 09:44

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 15:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37862.D
Lims ID: 480-177111-D-7
Client ID: MW-25
Sample Type: Client
Inject. Date: 28-Oct-2020 15:48:30 ALS Bottle#: 19 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177111-D-7
Misc. Info.: 480-0094508-018
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:26:17 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:26:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.428	0.006	99	134396	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	85	288985	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.738	0.006	94	310630	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	94	193679	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.208	0.001	97	110307	23.4	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	692044	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	251614	26.4	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.190				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

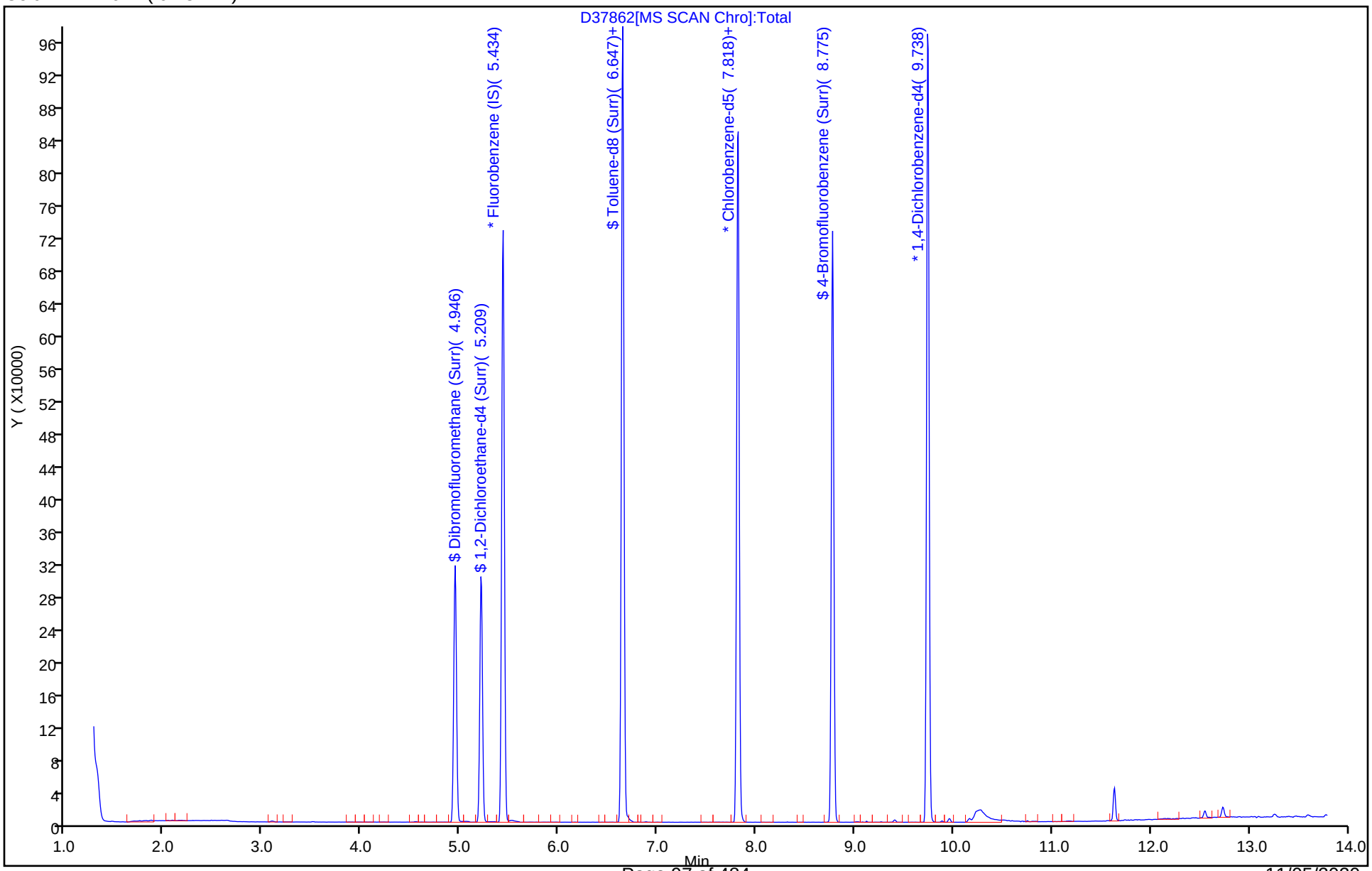
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37862.D

Injection Date:	28-Oct-2020 15:48:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-D-7	Lab Sample ID:	480-177111-7	Worklist Smp#:	18
Client ID:	MW-25				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-28 Lab Sample ID: 480-177111-8

Matrix: Water Lab File ID: D37863.D

Analysis Method: 8260C Date Collected: 10/23/2020 09:24

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 16:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-28 Lab Sample ID: 480-177111-8

Matrix: Water Lab File ID: D37863.D

Analysis Method: 8260C Date Collected: 10/23/2020 09:24

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 16:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37863.D
Lims ID: 480-177111-D-8
Client ID: MW-28
Sample Type: Client
Inject. Date: 28-Oct-2020 16:11:30 ALS Bottle#: 20 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177111-D-8
Misc. Info.: 480-0094508-019
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:26:17 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:26:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.428	0.006	99	135844	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	85	291509	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.738	0.006	94	312163	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	93	193161	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	98	109324	23.0	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	692571	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	252088	26.3	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.190				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83	4.812	4.812	0.000	85	2013	0.1338	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

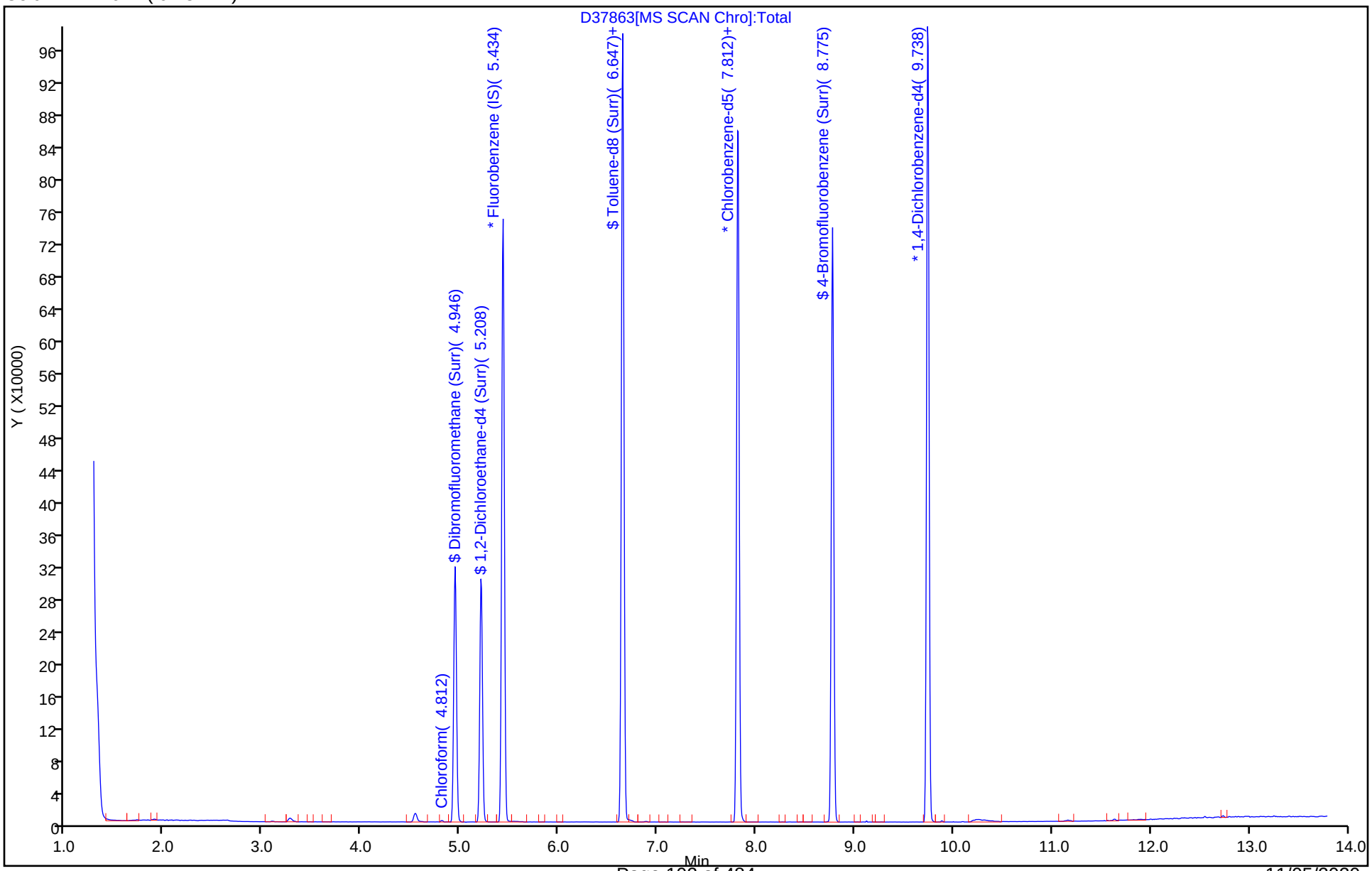
Report Date: 29-Oct-2020 09:26:42 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37863.D

Injection Date:	28-Oct-2020 16:11:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-D-8	Lab Sample ID:	480-177111-8	Worklist Smp#:	19
Client ID:	MW-28				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-177111-9

Matrix: Water Lab File ID: D37864.D

Analysis Method: 8260C Date Collected: 10/23/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 16:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-177111-9

Matrix: Water Lab File ID: D37864.D

Analysis Method: 8260C Date Collected: 10/23/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 16:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37864.D
Lims ID: 480-177111-A-9
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 28-Oct-2020 16:34:30 ALS Bottle#: 21 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177111-A-9
Misc. Info.: 480-0094508-020
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Oct-2020 09:26:59 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 29-Oct-2020 09:26:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.428	0.006	99	133506	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	85	286763	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	314204	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	0.000	93	193826	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	97	109457	23.4	
$ 5 Toluene-d8 (Surr)	98	6.647	6.641	0.006	94	686024	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	95	254032	26.9	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.142				ND	
15 Chloroethane	64		2.239				ND	
17 Trichlorofluoromethane	101		2.459				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.190				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	Ua
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.025				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.414				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

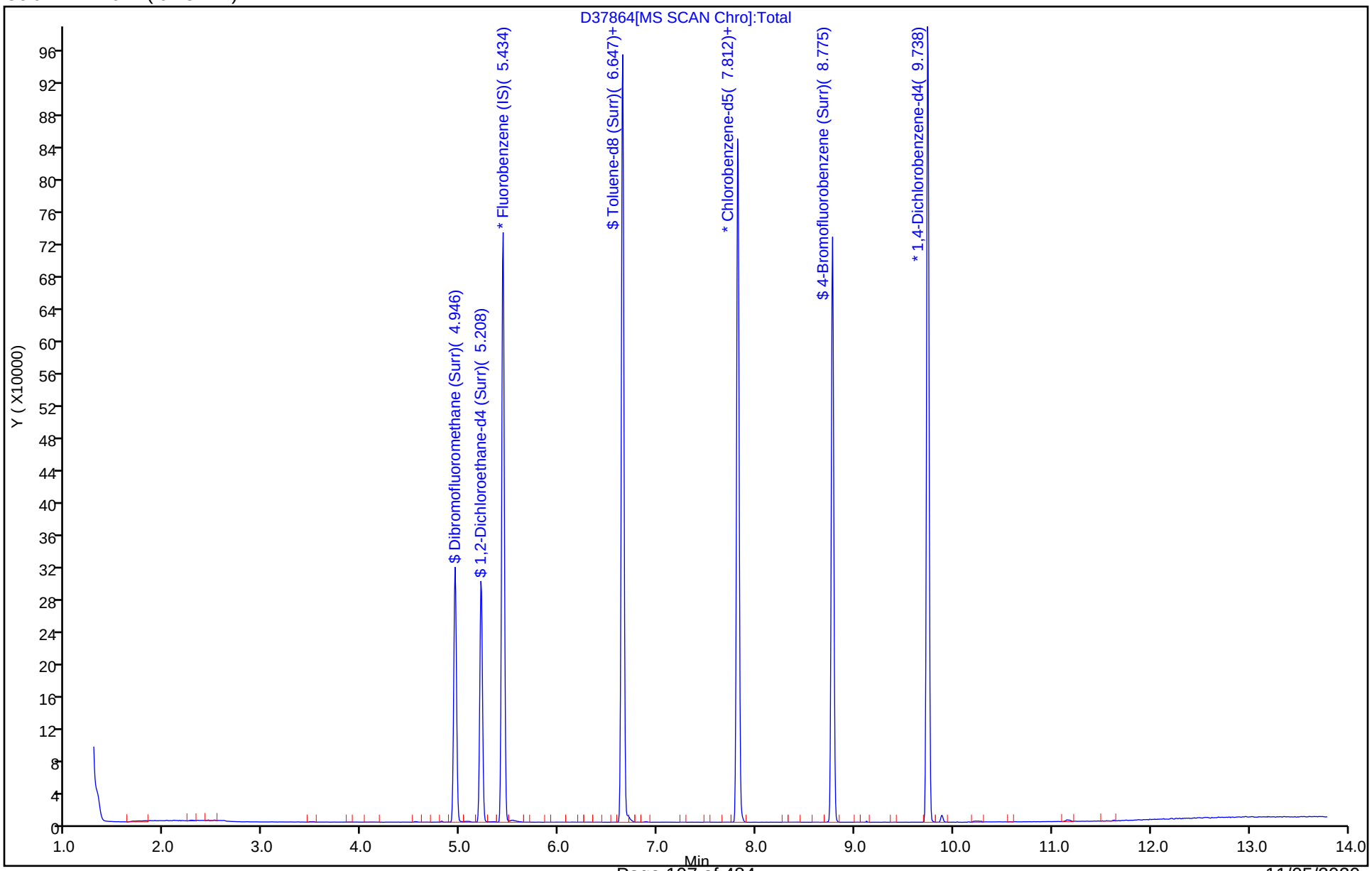
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37864.D

Injection Date:	28-Oct-2020 16:34:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-177111-A-9	Lab Sample ID:	480-177111-9	Worklist Smp#:	20
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



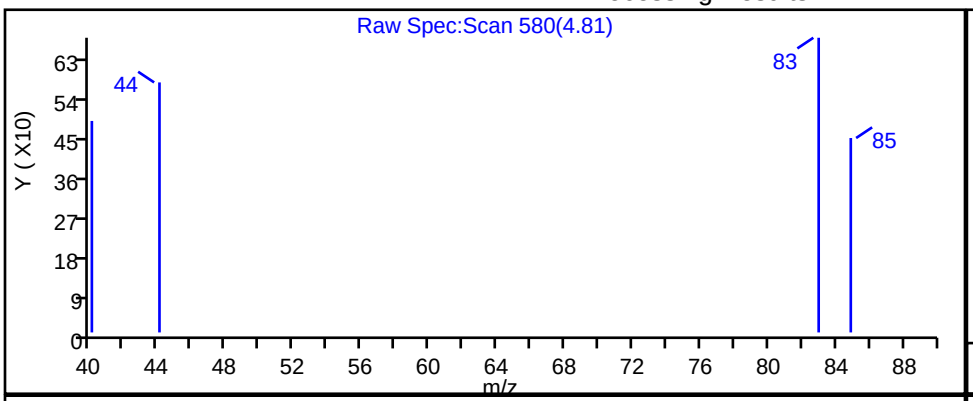
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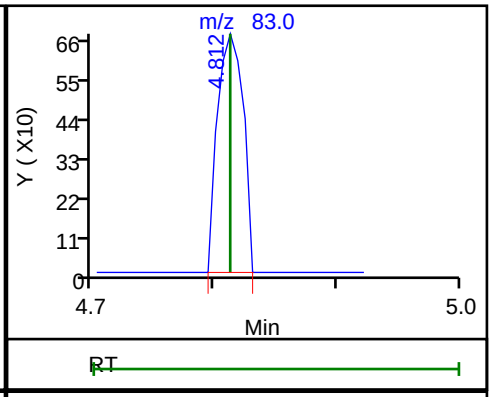
Eurofins TestAmerica, Buffalo

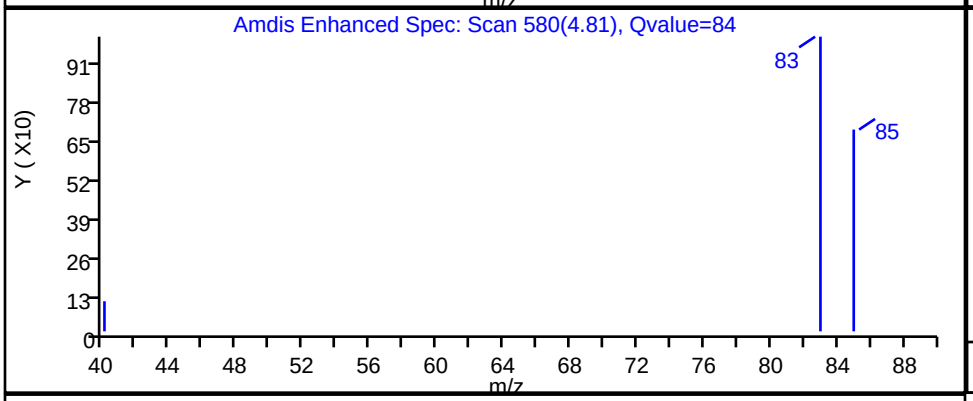
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Lims ID:	480-177111-A-9	Lab Sample ID:	480-177111-9		
Client ID:	TRIP BLANK				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

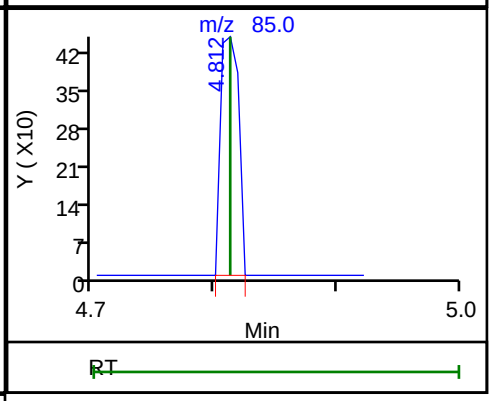
50 Chloroform, CAS: 67-66-3

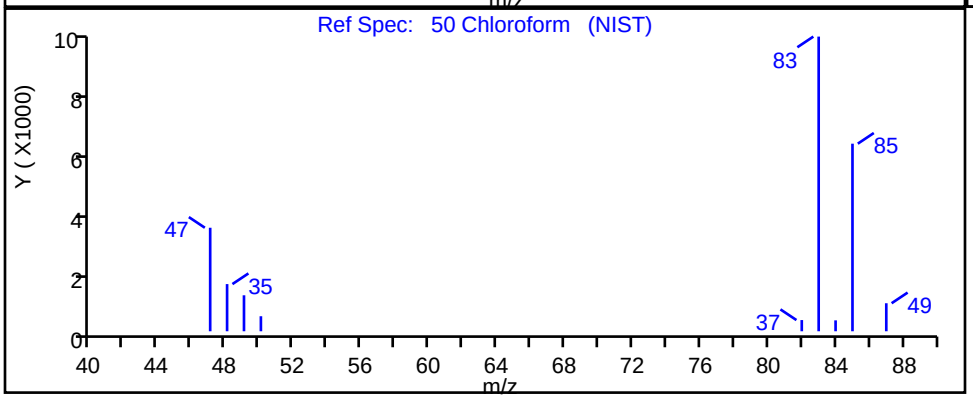
Processing Results











RT	Mass	Response	Amount
4.81	83.00	986	0.066691
4.81	85.00	458	

Reviewer: izquierdoo, 29-Oct-2020 09:26:57

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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-553342/10	D36996.D
Level 2	IC 480-553342/11	D36997.D
Level 3	IC 480-553342/12	D36998.D
Level 4	IC 480-553342/13	D36999.D
Level 5	IC 480-553342/14	D37000.D
Level 6	ICIS 480-553342/15	D37001.D
Level 7	IC 480-553342/16	D37002.D
Level 8	IC 480-553342/17	D37003.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								
Dichlorodifluoromethane	+++++ 1.7047	1.7130 1.7039	1.6969 1.7281	1.7247	1.7078	Ave		1.7113			0.1000	0.7		20.0			
Chloromethane	2.2238 1.9916	2.2967 2.0128	2.2100 1.9831	2.0896	2.0107	Ave		2.1023			0.1000	5.9		20.0			
Vinyl chloride	1.5774 1.8461	1.9493 1.8655	2.0032 1.8325	1.9378	1.8857	Ave		1.8622			0.1000	6.9		20.0			
Butadiene	+++++ 1.6155	1.6742 1.6818	1.6080 1.6223	1.5730	1.6645	Ave		1.6342				2.5		20.0			
Bromomethane	+++++ 1.1224	1.0314 0.9987	1.1027 1.1341	1.1594	1.1112	Ave		1.0943			0.1000	5.3		20.0			
Chloroethane	+++++ 0.9715	1.3166 0.9566	1.1772 0.9411	1.0595	1.0075	Ave		1.0614			0.1000	13.0		20.0			
Trichlorofluoromethane	+++++ 2.1584	2.0789 2.1244	2.1427 2.1130	2.1817	2.1948	Ave		2.1420			0.1000	1.9		20.0			
Dichlorofluoromethane	+++++ 2.4944	3.0556 2.4866	2.8497 2.4550	2.6531	2.5772	Ave		2.6531				8.4		20.0			
Ethyl ether	1.1814 1.1424	1.1215 1.1276	1.2084 1.1041	1.1443	1.1875	Ave		1.1521				3.2		20.0			
Acrolein	0.0987 0.1060	0.1131 0.1136	0.1076 0.1125	0.1075	0.1120	Ave		0.1089				4.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.1880	0.9667 1.2753	1.2062 1.2150	1.3262	1.3475	Ave		1.2178			0.1000	10.4		20.0			
1,1-Dichloroethene	+++++ 1.1962	1.0117 1.1661	1.1828 1.1730	1.1979	1.2373	Ave		1.1664			0.1000	6.2		20.0			
Acetone	0.5328 0.4351	0.5199 0.4567	0.4589 0.4334	0.4493	0.4630	Ave		0.4686			0.1000	8.0		20.0			
Iodomethane	+++++ 2.4112	2.3086 2.5271	2.3377 2.4483	2.2436	2.5239	Ave		2.4000				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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

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								
Carbon disulfide	3.8622 4.2105	4.1650 4.1927	4.3545 4.0979	4.2392	4.3551	Ave		4.1846			0.1000	3.8		20.0			
Allyl chloride	2.1605 2.1683	2.3209 2.1909	2.3669 2.0930	2.2696	2.2897	Ave		2.2325				4.2		20.0			
Methyl acetate	1.1588 1.0531	1.1667 1.0663	1.1424 1.0483	1.0868	1.0993	Ave		1.1027			0.1000	4.3		20.0			
Methylene Chloride	4.3076 1.5035	2.5174 1.4636	2.0537 1.4405	1.7328	1.6504	Lin1	1.1742	1.4423			0.1000				1.0000		0.9900
2-Methyl-2-propanol	0.1287 0.1513	0.1493 0.1634	0.1359 0.1547	0.1424	0.1589	Ave		0.1481				7.9		20.0			
Methyl tert-butyl ether	3.4982 3.7782	3.6318 3.7469	3.7817 3.6986	3.7713	3.8970	Ave		3.7255			0.1000	3.2		20.0			
trans-1,2-Dichloroethene	1.2205 1.3690	1.2712 1.3590	1.3378 1.3286	1.3788	1.4250	Ave		1.3362			0.1000	4.8		20.0			
Acrylonitrile	0.5153 0.5175	0.5364 0.5317	0.5382 0.5166	0.5334	0.5403	Ave		0.5287				2.0		20.0			
Hexane	1.6051 1.9617	1.9321 1.8970	2.1293 1.8458	1.9969	2.0441	Ave		1.9265				8.1		20.0			
1,1-Dichloroethane	2.3801 2.5611	2.5312 2.4972	2.6326 2.4278	2.6058	2.6119	Ave		2.5310			0.2000	3.6		20.0			
Vinyl acetate	2.9623 3.3484	3.0214 3.3462	3.2228 3.3111	3.2015	3.3798	Ave		3.2242				4.9		20.0			
2,2-Dichloropropane	+++++ 1.5003	1.4608 1.5420	1.5561 1.4557	1.4953	1.5814	Ave		1.5131				3.2		20.0			
cis-1,2-Dichloroethene	1.5212 1.5368	1.5507 1.5148	1.5724 1.4758	1.5594	1.5863	Ave		1.5397			0.1000	2.3		20.0			
2-Butanone (MEK)	0.7556 0.7205	0.7461 0.7288	0.7473 0.7114	0.7409	0.7432	Ave		0.7367			0.1000	2.0		20.0			
Chlorobromomethane	0.8617 0.8600	0.8473 0.8490	0.8741 0.8331	0.8816	0.8881	Ave		0.8619				2.2		20.0			
Tetrahydrofuran	+++++ 0.4480	0.5544 0.4480	0.4733 0.4422	0.4640	0.4771	Ave		0.4724				8.2		20.0			
Chloroform	+++++ 2.6741	2.9840 2.6157	2.9409 2.5541	2.8027	2.8083	Ave		2.7685			0.2000	5.8		20.0			
1,1,1-Trichloroethane	1.7863 2.1852	2.0310 2.2182	2.1834 2.1128	2.1879	2.2608	Ave		2.1207			0.1000	7.2		20.0			
Cyclohexane	+++++ 2.3522	2.0209 2.3175	2.4519 2.2338	2.4611	2.4782	Ave		2.3308			0.1000	7.0		20.0			
Carbon tetrachloride	+++++ 1.9479	1.6915 2.0041	1.8518 1.9679	1.8927	2.0104	Ave		1.9095			0.1000	5.9		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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

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								
1,1-Dichloropropene	1.6514 1.9277	1.8918 1.8748	1.9735 1.8251	1.9717	1.9908	Ave		1.8883				5.9		20.0			
Isobutyl alcohol	0.0541 0.0612	0.0621 0.0676	0.0583 0.0650	0.0602	0.0647	Ave		0.0617				6.9		20.0			
Benzene	5.2330 5.3784	5.4735 5.2518	5.6685 5.1195	5.6220	5.5734	Ave		5.4150			0.5000	3.7		20.0			
1,2-Dichloroethane	2.5036 2.2082	2.3628 2.1559	2.3594 2.0780	2.2882	2.2705	Ave		2.2783			0.1000	5.9		20.0			
n-Heptane	2.0031 2.1705	2.2890 2.0984	2.4697 2.0346	2.2766	2.2942	Ave		2.2045				7.1		20.0			
Trichloroethene	1.3606 1.5282	1.5233 1.5095	1.5707 1.4702	1.5402	1.5684	Ave		1.5089			0.2000	4.5		20.0			
Methylcyclohexane	+++++ 2.2542	2.0837 2.2687	2.3496 2.1670	2.3018	2.3455	Ave		2.2529			0.1000	4.3		20.0			
1,2-Dichloropropane	1.4215 1.4726	1.4696 1.4503	1.5170 1.4069	1.5116	1.5162	Ave		1.4707			0.1000	2.9		20.0			
1,4-Dioxane	+++++ 0.0047	+++++ 0.0057	0.0031 0.0049	0.0038	0.0053	Lin1	-0.082	0.0052							0.9930		0.9900
Dibromomethane	0.9899 1.0397	1.0439 1.0345	1.0746 1.0110	1.0452	1.0737	Ave		1.0391			0.1000	2.8		20.0			
Bromodichloromethane	1.8021 2.0076	1.8654 2.0537	1.9741 2.0280	1.9540	2.0235	Ave		1.9636			0.2000	4.5		20.0			
2-Chloroethyl vinyl ether	0.7106 0.9172	0.7890 0.8923	0.9274 0.9182	0.9177	0.9422	Ave		0.8768				9.4		20.0			
cis-1,3-Dichloropropene	2.0771 2.3184	2.1096 2.3497	2.2727 2.2979	2.2777	2.3162	Ave		2.2524			0.2000	4.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.7082 0.7413	0.7212 0.7266	0.7452 0.7071	0.7499	0.7556	Ave		0.7319			0.1000	2.6		20.0			
Toluene	1.6124 1.6353	1.6020 1.6165	1.7333 1.5771	1.6947	1.7034	Ave		1.6468			0.4000	3.4		20.0			
trans-1,3-Dichloropropene	0.9002 1.0521	0.8760 1.0499	0.9837 1.0521	1.0095	1.0639	Ave		0.9984			0.1000	7.3		20.0			
Ethyl methacrylate	0.7334 0.8651	0.7251 0.8631	0.7984 0.8634	0.8311	0.8629	Ave		0.8178				7.3		20.0			
1,1,2-Trichloroethane	0.4969 0.5522	0.5204 0.5461	0.5572 0.5374	0.5511	0.5685	Ave		0.5412			0.1000	4.2		20.0			
Tetrachloroethene	+++++ 0.7615	0.7470 0.7577	0.8009 0.7309	0.7839	0.7825	Ave		0.7664			0.2000	3.1		20.0			
1,3-Dichloropropane	1.0019 1.0310	1.0262 1.0158	1.0642 0.9965	1.0619	1.0639	Ave		1.0327				2.7		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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

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-Hexanone	0.4898 0.5371	0.5040 0.5272	0.5367 0.5166	0.5511	0.5556	Ave		0.5273			0.1000	4.3		20.0			
Dibromochloromethane	0.6432 0.7766	0.6546 0.7958	0.7032 0.8155	0.7106	0.7596	Ave		0.7324			0.1000	8.8		20.0			
1,2-Dibromoethane	0.6613 0.7288	0.6898 0.7218	0.7186 0.7163	0.7186	0.7522	Ave		0.7134				3.8		20.0			
Chlorobenzene	1.9042 1.9099	1.9460 1.8697	1.9872 1.8483	1.9545	1.9718	Ave		1.9240			0.5000	2.6		20.0			
Ethylbenzene	2.9293 3.1821	3.0377 3.1220	3.2759 3.0677	3.2486	3.2786	Ave		3.1428			0.1000	4.0		20.0			
1,1,1,2-Tetrachloroethane	0.5724 0.7016	0.6268 0.7008	0.6659 0.7008	0.6785	0.7007	Ave		0.6684				7.0		20.0			
m,p-Xylene	1.0738 1.2348	1.2170 1.2087	1.2371 1.1920	1.2341	1.2797	Ave		1.2097			0.1000	5.0		20.0			
o-Xylene	1.0784 1.1981	1.1551 1.1818	1.2183 1.1712	1.2206	1.2291	Ave		1.1816			0.3000	4.2		20.0			
Styrene	1.8457 2.0553	1.9152 2.0524	2.0347 2.0373	2.0613	2.1207	Ave		2.0153			0.3000	4.4		20.0			
Bromoform	0.4297 0.5155	0.3853 0.5441	0.4170 0.5753	0.4402	0.4903	Ave		0.4747			0.1000	14.1		20.0			
Isopropylbenzene	2.6782 3.0442	2.9434 2.9394	3.1736 2.9019	3.0579	3.0948	Ave		2.9792			0.1000	5.1		20.0			
Bromobenzene	0.8530 0.8661	0.8664 0.8486	0.8970 0.8366	0.8852	0.8830	Ave		0.8670				2.4		20.0			
1,1,2,2-Tetrachloroethane	0.8537 0.9071	0.8547 0.8814	0.9042 0.8764	0.8968	0.9063	Ave		0.8851			0.3000	2.5		20.0			
N-Propylbenzene	3.2782 3.7434	3.6083 3.6154	3.9441 3.5517	3.8282	3.8200	Ave		3.6737				5.7		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2727	0.2059 0.2705	0.2457 0.2780	0.2458	0.2634	Ave		0.2546				9.8		20.0			
1,2,3-Trichloropropane	+++++ 0.2414	0.2400 0.2375	0.2391 0.2325	0.2405	0.2482	Ave		0.2399				2.0		20.0			
2-Chlorotoluene	0.6963 0.7638	0.7470 0.7324	0.7918 0.7189	0.7792	0.7725	Ave		0.7502				4.4		20.0			
1,3,5-Trimethylbenzene	2.2745 2.6015	2.4992 2.5402	2.6842 2.4963	2.6347	2.6411	Ave		2.5465				5.1		20.0			
4-Chlorotoluene	0.7170 0.7898	0.8036 0.7724	0.8164 0.7607	0.7971	0.8150	Ave		0.7840				4.2		20.0			
tert-Butylbenzene	+++++ 0.5174	0.4881 0.5080	0.5370 0.4973	0.5212	0.5278	Ave		0.5138				3.3		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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

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								
1,2,4-Trimethylbenzene	+++++ 2.6704	2.5296 2.6008	2.7391 2.5663	2.6943	2.7261	Ave		2.6467				3.1		20.0			
sec-Butylbenzene	+++++ 3.3880	3.2453 3.3091	3.5011 3.2364	3.3737	3.4513	Ave		3.3578				3.0		20.0			
4-Isopropyltoluene	+++++ 2.8934	2.7118 2.8624	2.9284 2.7959	2.9202	2.9592	Ave		2.8673				3.0		20.0			
1,3-Dichlorobenzene	1.4950 1.5978	1.6081 1.5791	1.6815 1.5476	1.6378	1.6412	Ave		1.5985			0.6000	3.7		20.0			
1,4-Dichlorobenzene	1.5898 1.6271	1.6321 1.6053	1.7061 1.5783	1.6852	1.6689	Ave		1.6366			0.5000	2.8		20.0			
n-Butylbenzene	2.2299 2.7167	2.5895 2.6919	2.7627 2.6338	2.7625	2.7727	Ave		2.6450				6.8		20.0			
1,2-Dichlorobenzene	1.5069 1.5827	1.5748 1.5695	1.6187 1.5483	1.5868	1.6294	Ave		1.5771			0.4000	2.4		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1554	0.1237 0.1601	0.1376 0.1649	0.1441	0.1503	Ave		0.1480			0.0500	9.6		20.0			
1,2,4-Trichlorobenzene	1.0241 1.1420	1.0593 1.1428	1.1342 1.1538	1.1241	1.1396	Ave		1.1150			0.2000	4.2		20.0			
Hexachlorobutadiene	0.4234 0.5799	0.5334 0.5834	0.5816 0.5556	0.5818	0.5813	Ave		0.5526				10.0		20.0			
Naphthalene	2.6569 2.8043	2.6218 2.8174	2.6611 2.7877	2.6649	2.7592	Ave		2.7217				2.9		20.0			
1,2,3-Trichlorobenzene	0.9961 1.0761	1.0105 1.0896	1.0614 1.0863	1.0483	1.0841	Ave		1.0566				3.4		20.0			
Dibromofluoromethane (Surr)	1.4817 1.5084	1.5030 1.4828	1.4933 1.4659	1.5067	1.4882	Ave		1.4913				1.0		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8754 0.8720	0.8894 0.8662	0.8807 0.8589	0.8874	0.8761	Ave		0.8758				1.2		20.0			
Toluene-d8 (Surr)	2.3759 2.3665	2.3804 2.3579	2.3707 2.3170	2.3748	2.3538	Ave		2.3621				0.9		20.0			
4-Bromofluorobenzene (Surr)	0.8132 0.8243	0.8187 0.8347	0.8089 0.8346	0.8233	0.8265	Ave		0.8230				1.1		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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-553342/10	D36996.D
Level 2	IC 480-553342/11	D36997.D
Level 3	IC 480-553342/12	D36998.D
Level 4	IC 480-553342/13	D36999.D
Level 5	IC 480-553342/14	D37000.D
Level 6	ICIS 480-553342/15	D37001.D
Level 7	IC 480-553342/16	D37002.D
Level 8	IC 480-553342/17	D37003.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 267421	10515 537908	21109 1094625	52916	105735	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5621 312428	14098 635421	27491 1256143	64112	124489	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3987 289604	11966 588906	24919 1160739	59454	116750	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 253420	10277 530939	20003 1027597	48263	103054	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 176075	6331 315287	13717 718336	35571	68800	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 152407	8082 301994	14644 596117	32507	62374	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 338583	12761 670654	26654 1338390	66938	135887	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 391294	18757 784991	35449 1555040	81402	159562	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2986 179202	6884 355986	15032 699361	35109	73523	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	1247 83175	3471 179289	6691 356236	16495	34666	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 186361	5934 402592	15004 769601	40690	83430	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 187654	6210 368119	14713 743026	36753	76604	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	6733 341248	15957 720856	28540 1372526	68919	143342	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	+++++ 378250	14171 797772	29080 1550811	68836	156259	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	9762 660509	25567 1323582	54168 2595667	130064	269633	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	5461 340146	14247 691655	29443 1325729	69634	141761	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	5858 330390	14323 673243	28422 1328086	66687	136125	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	10888 235859	15453 462058	25547 912430	53166	102183	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3253 237377	9164 515947	16905 979874	43697	98365	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	8842 592684	22294 1182864	47042 2342774	115709	241272	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3085 214753	7803 429011	16641 841543	42305	88224	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	13025 811811	32925 1678369	66947 3271955	163668	334508	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4057 307732	11860 598850	26488 1169162	61267	126554	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	6016 401756	15538 788350	32748 1537809	79951	161708	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	14975 1050524	37093 2112734	80179 4194601	196457	418503	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 235348	8967 486792	19357 922092	45878	97907	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3845 241084	9519 478218	19560 934830	47844	98213	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9549 565114	22900 1150308	46481 2253070	113660	230058	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2178 134906	5201 268022	10874 527705	27048	54984	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 140572	6806 282863	11776 560257	28472	59077	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 419493	18317 825740	36583 1617813	85990	173867	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4515 342793	12467 700257	27160 1338273	67129	139970	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 368985	12405 731610	30500 1414940	75512	153432	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 305576	10383 632688	23036 1246500	58070	124466	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4174 302393	11613 591843	24549 1156045	60496	123256	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	3419 240180	9528 533702	18124 1029788	46145	100167	10.0 625	25.0 1250	50.0 2500	125	250

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	13227 843715	33599 1657952	70514 3242805	172493	345064	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	6328 346402	14504 680604	29350 1316237	70205	140571	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5063 340488	14051 662442	30722 1288749	69850	142041	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3439 239734	9351 476521	19539 931264	47257	97104	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 353615	12791 716198	29228 1372605	70622	145215	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3593 231007	9021 457840	18871 891189	46377	93873	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	+++++ 31344	+++++ 76633	1637 133031	4928	13784	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2502 163106	6408 326588	13368 640406	32068	66473	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	4555 314935	11451 648348	24557 1284556	59952	125281	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1796 143883	4843 281702	11537 581613	28155	58334	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	5250 363694	12950 741788	28271 1455539	69882	143399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	18805 1230110	47110 2446153	97545 4814623	242572	495781	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	8563 542693	20928 1088362	45378 2147649	109638	223526	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4781 349171	11444 706864	25754 1432760	65311	139603	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	3895 287113	9472 581126	20902 1175721	53766	113228	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2639 183254	6799 367686	14588 731840	35656	74601	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 252719	9759 510168	20967 995289	50715	102684	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	5321 342149	13406 683948	27861 1356982	68698	139601	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	13006 891176	32918 1774825	70249 3517635	178272	364540	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3416 257741	8552 535781	18409 1110575	45975	99676	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3512 241875	9011 485952	18812 975461	46488	98709	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	10113 633818	25422 1258876	52025 2516918	126445	258746	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	15557 1056047	39684 2101992	85762 4177530	210172	430224	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3040 232837	8189 471835	17432 954373	43895	91952	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	5703 409782	15899 813785	32386 1623284	79840	167921	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	5727 397614	15090 795725	31895 1594870	78969	161280	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	9802 682071	25020 1381837	53268 2774376	133359	278276	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2282 171090	5033 366329	10917 783379	28480	64340	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	14346 1033481	39362 2077306	83183 4155674	203999	425389	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	4569 294019	11586 599685	23511 1198106	59053	121378	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	4573 307959	11430 622887	23699 1254964	59827	124575	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	17560 1270826	48254 2555038	103380 5086188	255383	525082	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 92583	2754 191170	6441 398039	16395	36212	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 81948	3209 167873	6268 332985	16045	34112	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	3730 259303	9989 517609	20753 1029484	51980	106188	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	12184 883194	33422 1795177	70355 3574751	175763	363033	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	3841 268128	10747 545839	21400 1089355	53178	112024	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 175661	6528 358991	14076 712117	34769	72543	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 906580	33829 1838012	71794 3674957	179740	374716	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1150199	43399 2338585	91768 4634612	225065	474392	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 982268	36265 2022923	76758 4003819	194811	406758	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	8008 542435	21505 1115959	44073 2216150	109261	225587	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	8516 552397	21826 1134507	44718 2260179	112419	229394	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	11945 922282	34630 1902383	72414 3771641	184292	381125	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	8072 537322	21060 1109160	42428 2217231	105860	223966	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 52761	1654 113128	3607 236114	9610	20654	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	5486 387701	14166 807602	29729 1652306	74993	156641	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2268 196879	7133 412314	15244 795673	38813	79903	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	14232 952026	35061 1991107	69750 3992133	177781	379260	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5336 365327	13513 770042	27821 1555587	69936	149014	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	234079 236631	230651 234057	232203 232132	231133	230342	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	138298 136798	136483 136730	136946 136011	136139	135609	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	788622 785377	777437 793759	775784 788791	768197	772159	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	269907 273563	267398 281006	264712 284139	266319	271119	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 10-Oct-2020 12:52:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0094037-010
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:45 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:27:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	157975	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.817	7.818	-0.001	87	331925	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	334792	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	92	234079	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.220	-0.006	99	138298	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	788622	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	269907	25.0	24.7	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	85	3094	0.4000	0.2861	
12 Chloromethane	50	1.654	1.666	-0.012	96	5621	0.4000	0.4231	
13 Vinyl chloride	62	1.770	1.770	0.000	89	3987	0.4000	0.3388	
144 Butadiene	54	1.794	1.794	0.000	79	1969	0.4000	0.1907	
14 Bromomethane	94	2.142	2.148	-0.006	58	3622	0.4000	0.5238	
15 Chloroethane	64	2.245	2.245	0.000	75	3421	0.4000	0.5100	
17 Trichlorofluoromethane	101	2.483	2.471	0.012	69	3244	0.4000	0.2397	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	86	8002	0.4000	0.4773	
18 Ethyl ether	59	2.751	2.751	0.000	96	2986	0.4000	0.4101	
20 Acrolein	56	2.940	2.947	-0.007	96	1247	2.00	1.81	Ma
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.989				ND	ND	
22 1,1-Dichloroethene	96	3.007	3.008	-0.001	0	1398	0.4000	0.1897	M
23 Acetone	43	3.099	3.099	0.000	98	6733	2.00	2.27	
25 Iodomethane	142	3.184	3.184	0.000	95	3102	0.4000	0.2045	
26 Carbon disulfide	76	3.203	3.203	0.000	98	9762	0.4000	0.3692	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	5461	0.4000	0.3871	
27 Methyl acetate	43	3.379	3.379	0.000	97	5858	0.8000	0.8407	
30 Methylene Chloride	84	3.520	3.520	0.000	93	10888	0.4000	0.3805	M
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	91	3253	4.00	3.48	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	96	8842	0.4000	0.3756	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	95	3085	0.4000	0.3654	
33 Acrylonitrile	53	3.745	3.745	0.000	0	13025	4.00	3.90	M
35 Hexane	57	3.855	3.855	0.000	91	4057	0.4000	0.3333	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	91	6016	0.4000	0.3762	
37 Vinyl acetate	43	4.105	4.105	0.000	97	14975	0.8000	0.7350	
44 2,2-Dichloropropane	77	4.525	4.526	-0.001	0	2966	0.4000	0.3102	M
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	78	3845	0.4000	0.3952	
43 2-Butanone (MEK)	43	4.580	4.580	0.000	0	9549	2.00	2.05	M
48 Chlorobromomethane	128	4.763	4.763	0.000	94	2178	0.4000	0.3999	
49 Tetrahydrofuran	42	4.775	4.775	0.000	81	3280	0.8000	1.10	
50 Chloroform	83	4.818	4.818	0.000	93	9008	0.4000	0.5149	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	0	4515	0.4000	0.3369	M
52 Cyclohexane	56	4.928	4.928	0.000	94	3594	0.4000	0.2440	
55 Carbon tetrachloride	117	5.038	5.038	0.000	93	3549	0.4000	0.2941	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	88	4174	0.4000	0.3498	
53 Isobutyl alcohol	43	5.208	5.202	0.006	88	3419	10.0	8.78	
57 Benzene	78	5.220	5.220	0.000	92	13227	0.4000	0.3866	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	95	6328	0.4000	0.4395	
59 n-Heptane	43	5.336	5.342	-0.006	92	5063	0.4000	0.3635	
62 Trichloroethene	95	5.720	5.720	0.000	93	3439	0.4000	0.3607	
64 Methylcyclohexane	83	5.818	5.818	0.000	0	4005	0.4000	0.2813	M
65 1,2-Dichloropropane	63	5.915	5.922	-0.007	89	3593	0.4000	0.3866	
66 1,4-Dioxane	88		6.025				ND	ND	
67 Dibromomethane	93	6.037	6.037	0.000	96	2502	0.4000	0.3811	
68 Dichlorobromomethane	83	6.147	6.147	0.000	0	4555	0.4000	0.3671	M
69 2-Chloroethyl vinyl ether	63	6.348	6.348	0.000	0	1796	0.4000	0.3242	M
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	90	5250	0.4000	0.3689	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	97	18805	2.00	1.94	
74 Toluene	92	6.708	6.708	0.000	98	8563	0.4000	0.3916	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	94	4781	0.4000	0.3607	
75 Ethyl methacrylate	69	6.921	6.921	0.000	87	3895	0.4000	0.3587	
79 1,1,2-Trichloroethane	83	7.074	7.074	0.000	86	2639	0.4000	0.3672	
81 Tetrachloroethene	166	7.129	7.129	0.000	85	3194	0.4000	0.3139	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	85	5321	0.4000	0.3881	
80 2-Hexanone	43	7.226	7.226	0.000	96	13006	2.00	1.86	
83 Chlorodibromomethane	129	7.391	7.391	0.000	86	3416	0.4000	0.3513	
84 Ethylene Dibromide	107	7.488	7.488	0.000	94	3512	0.4000	0.3708	
87 Chlorobenzene	112	7.842	7.842	0.000	93	10113	0.4000	0.3959	
88 Ethylbenzene	91	7.897	7.897	0.000	98	15557	0.4000	0.3728	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	92	3040	0.4000	0.3425	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	98	5703	0.4000	0.3551	
91 o-Xylene	106	8.323	8.324	-0.001	95	5727	0.4000	0.3651	
92 Styrene	104	8.342	8.342	0.000	95	9802	0.4000	0.3663	
95 Bromoform	173	8.561	8.561	0.000	87	2282	0.4000	0.3621	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	14346	0.4000	0.3596	
101 Bromobenzene	156	8.915	8.921	-0.006	91	4569	0.4000	0.3935	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	88	4573	0.4000	0.3858	
99 N-Propylbenzene	91	8.951	8.951	0.000	98	17560	0.4000	0.3569	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	66	810	0.4000	0.2376	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	88	919	0.4000	0.2861	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	3730	0.4000	0.3713	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	12184	0.4000	0.3573	
105 4-Chlorotoluene	126	9.146	9.147	-0.001	96	3841	0.4000	0.3658	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	2175	0.4000	0.3161	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	95	12269	0.4000	0.3462	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	94	14536	0.4000	0.3233	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	95	12664	0.4000	0.3298	
111 1,3-Dichlorobenzene	146	9.689	9.695	-0.006	95	8008	0.4000	0.3741	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	0	8516	0.4000	0.3886	M
115 n-Butylbenzene	91	10.012	10.012	0.000	98	11945	0.4000	0.3372	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	95	8072	0.4000	0.3822	
117 1,2-Dibromo-3-Chloropropane	75	10.780	10.786	-0.006	75	594	0.4000	0.2997	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	91	5486	0.4000	0.3674	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	87	2268	0.4000	0.3065	
121 Naphthalene	128	11.640	11.640	0.000	96	14232	0.4000	0.3905	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	0	5336	0.4000	0.3771	M
S 124 Xylenes, Total	1				0			0.7202	
S 125 1,2-Dichloroethene, Total	1				0			0.7606	
S 126 1,3-Dichloropropene, Total	1				0			0.7295	
S 123 Total BTEX	1				0			1.87	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	0.40	Units: uL	
GAS CORP mix_00421	Amount Added:	0.40	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

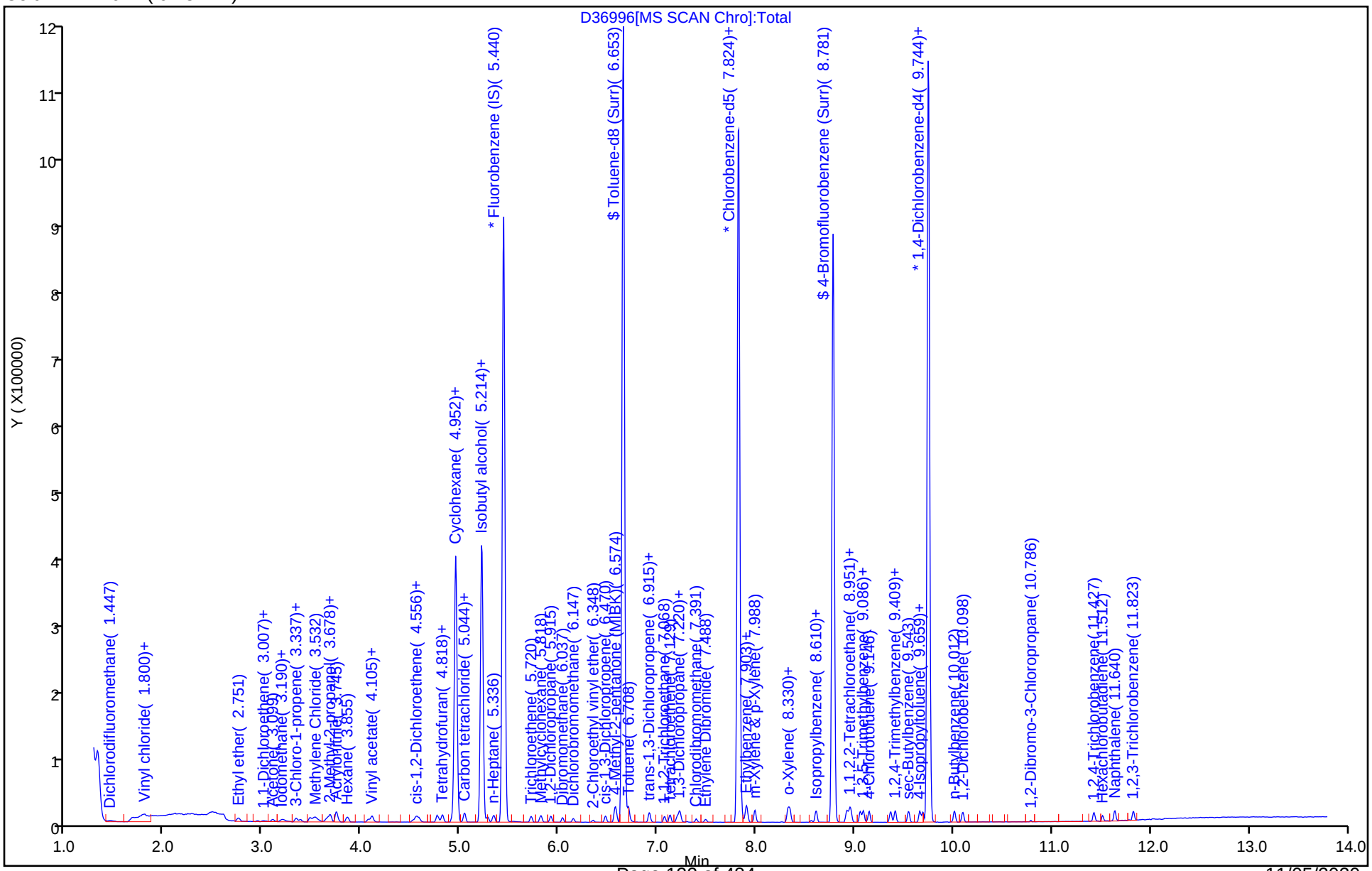
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Eurofins TestAmerica, Buffalo

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Injection Date:	10-Oct-2020 12:52:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 0.4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

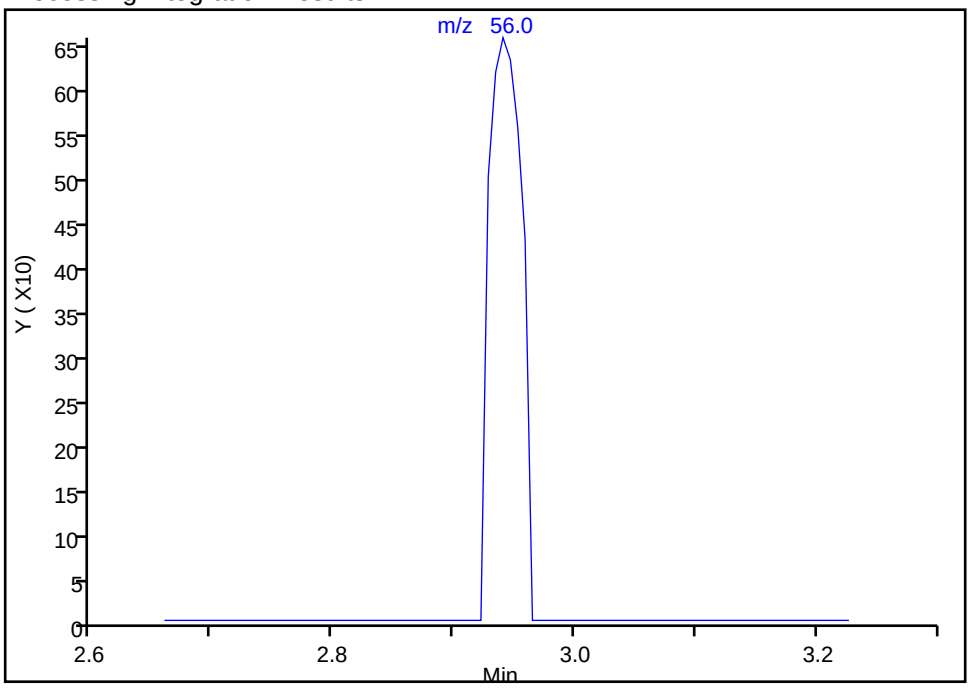
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Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

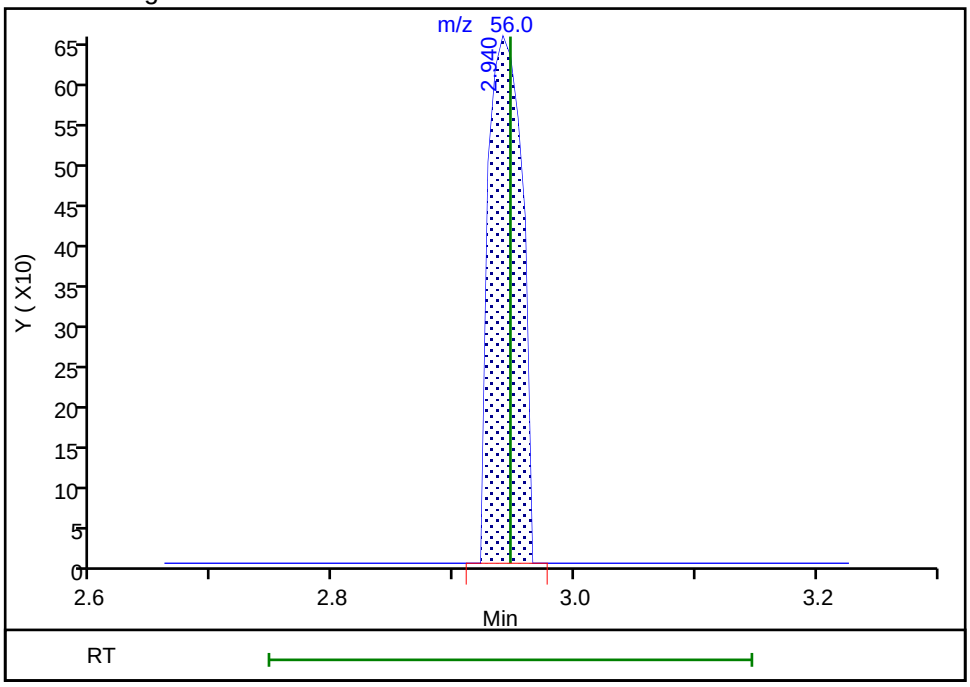
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.94
Area: 1247
Amount: 1.812647
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:24:31
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

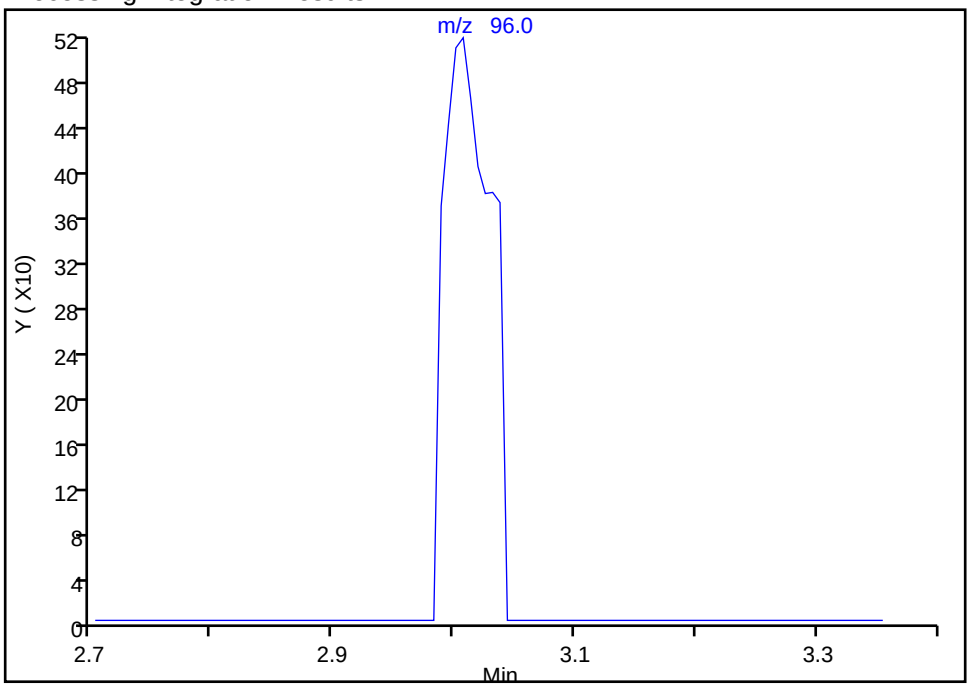
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
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Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

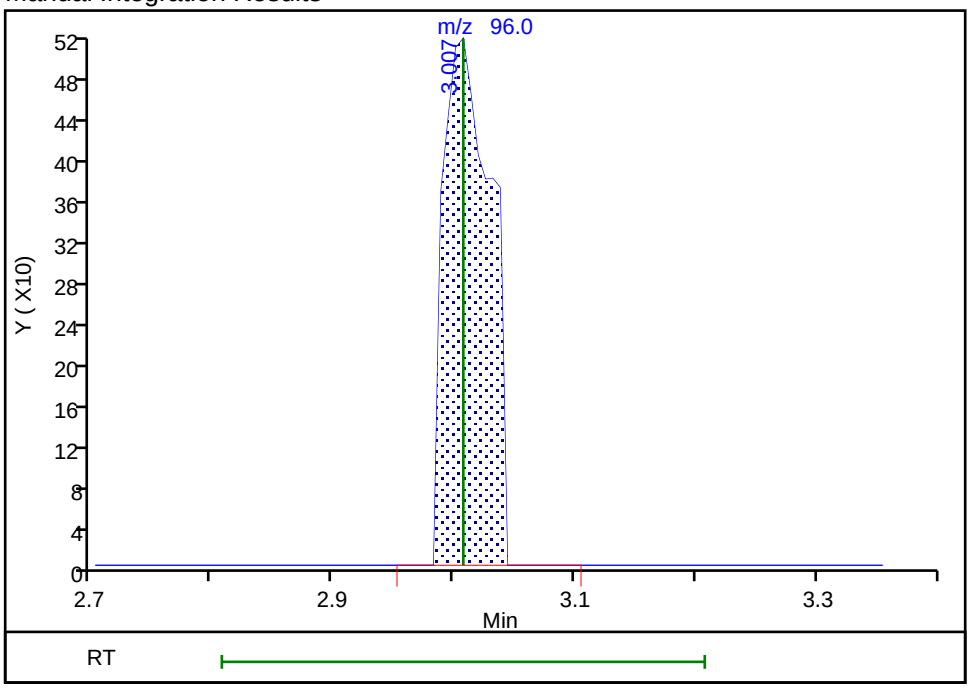
Not Detected
Expected RT: 3.01

Processing Integration Results



Manual Integration Results

RT: 3.01
Area: 1398
Amount: 0.189672
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:24:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

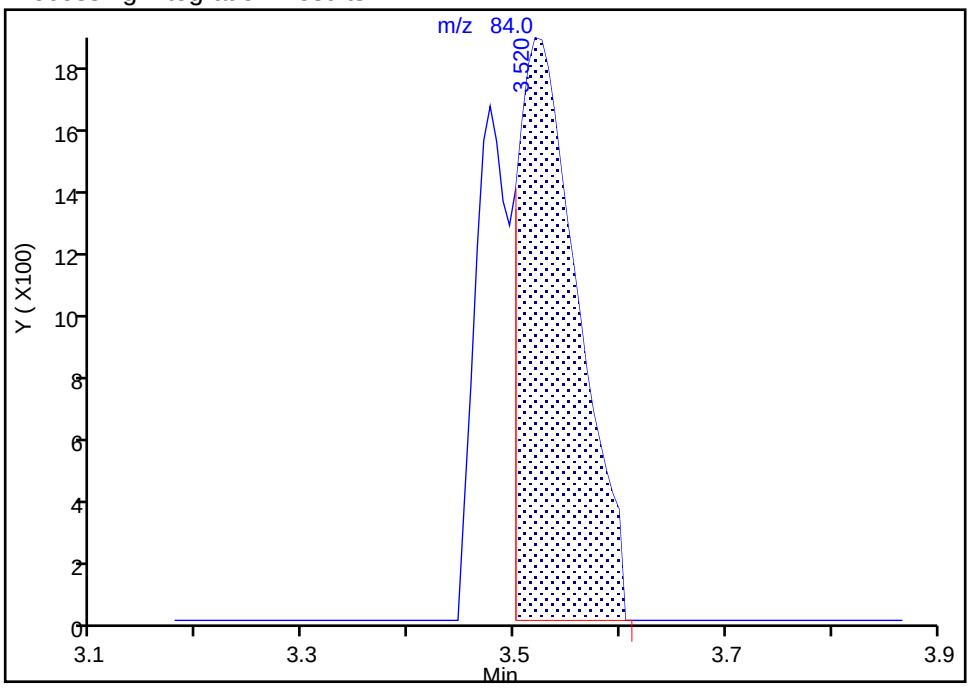
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Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

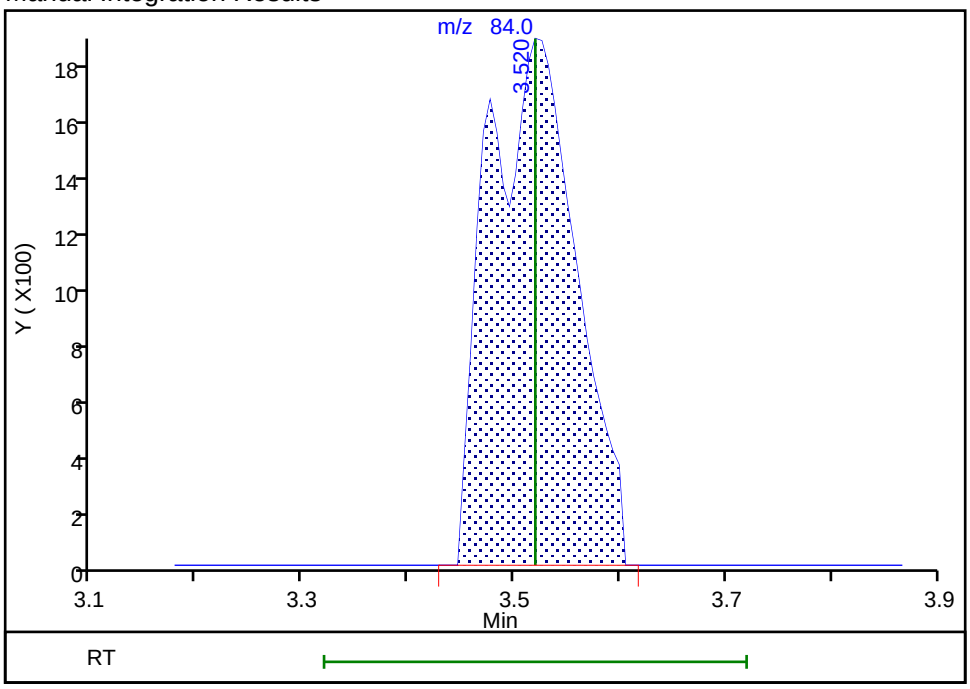
Processing Integration Results

RT: 3.52
Area: 7347
Amount: 0.609184
Amount Units: ug/L



Manual Integration Results

RT: 3.52
Area: 10888
Amount: 0.380545
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:24:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

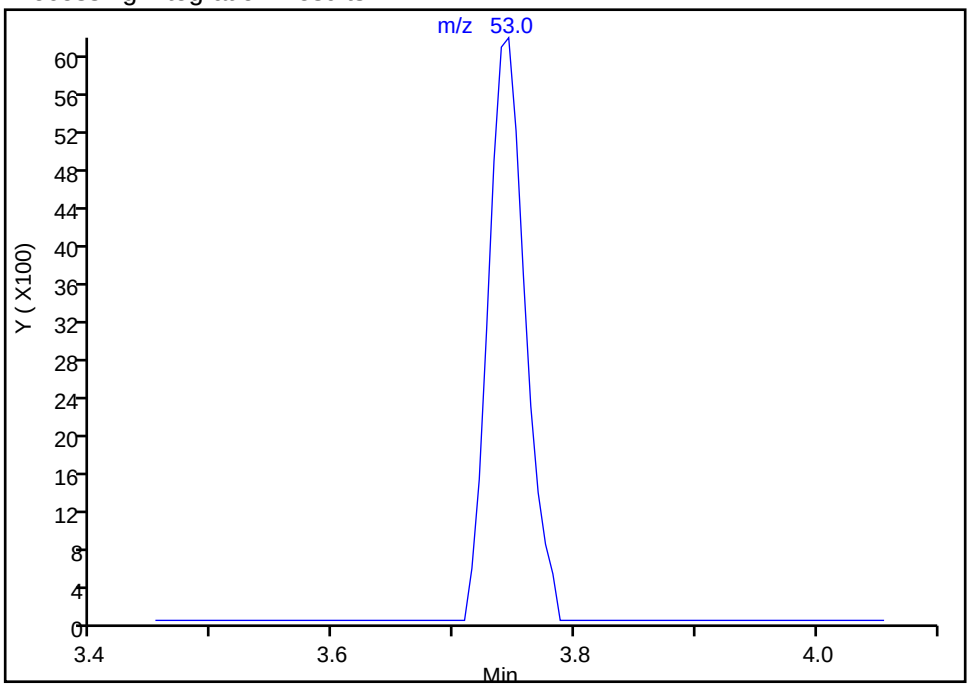
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

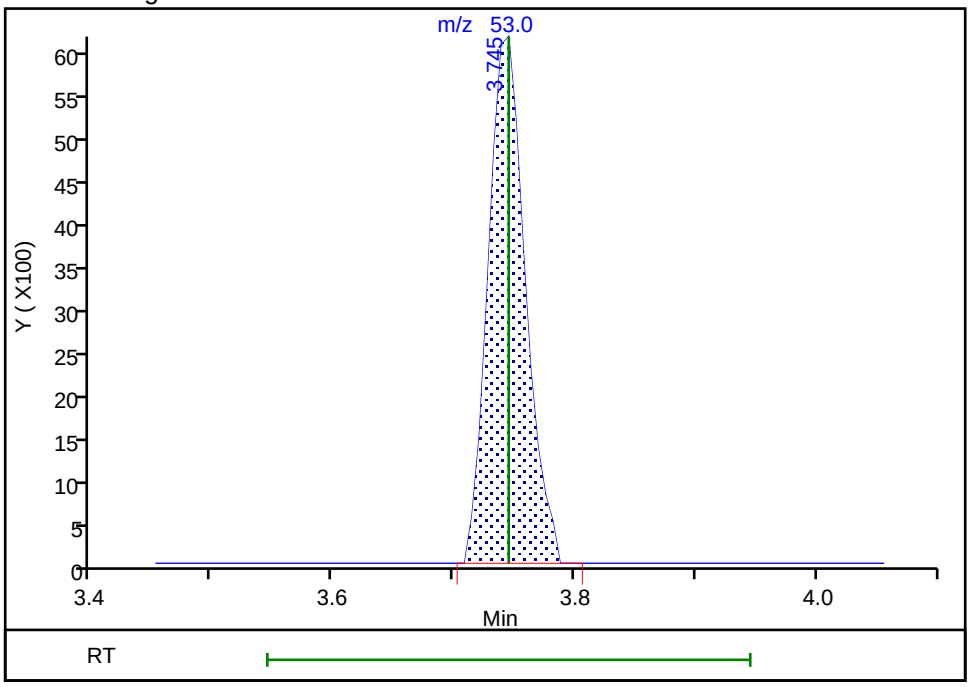
Not Detected
Expected RT: 3.75

Processing Integration Results



Manual Integration Results

RT: 3.75
Area: 13025
Amount: 3.898978
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

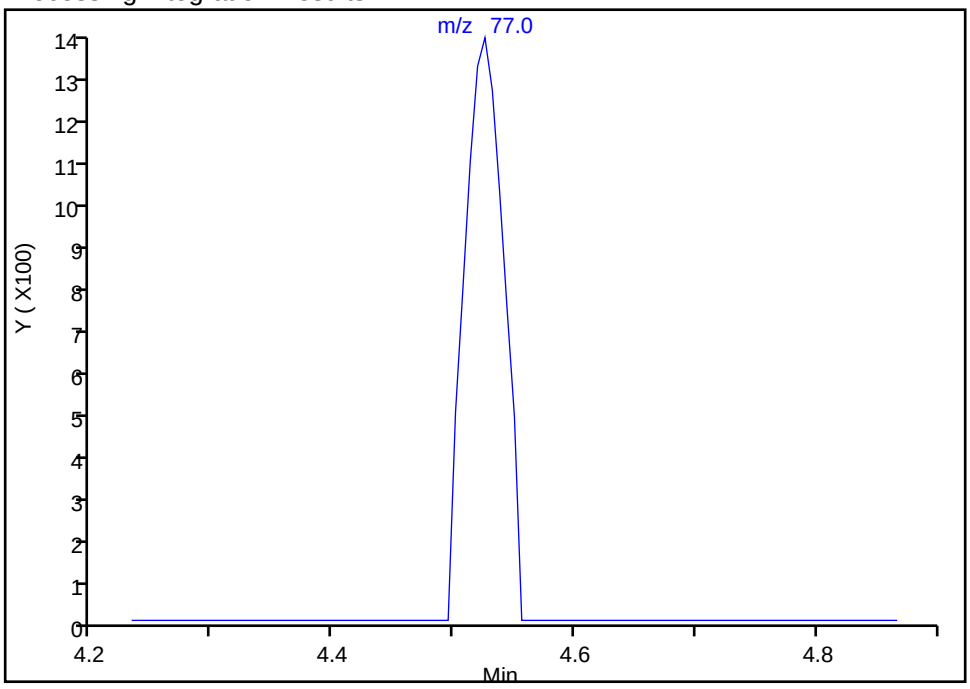
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

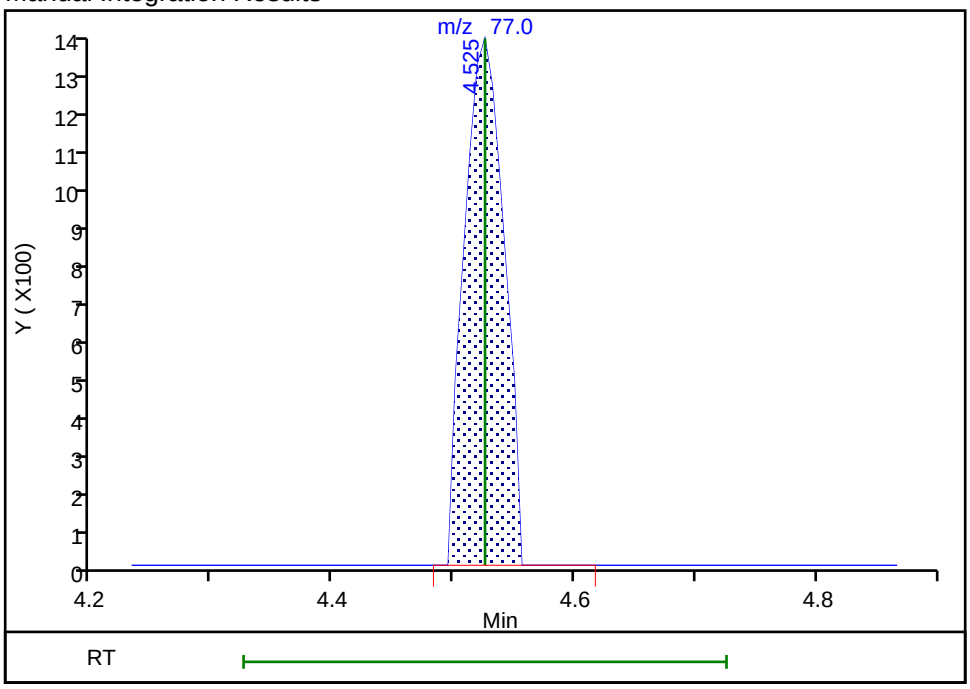
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.53
Area: 2966
Amount: 0.310214
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

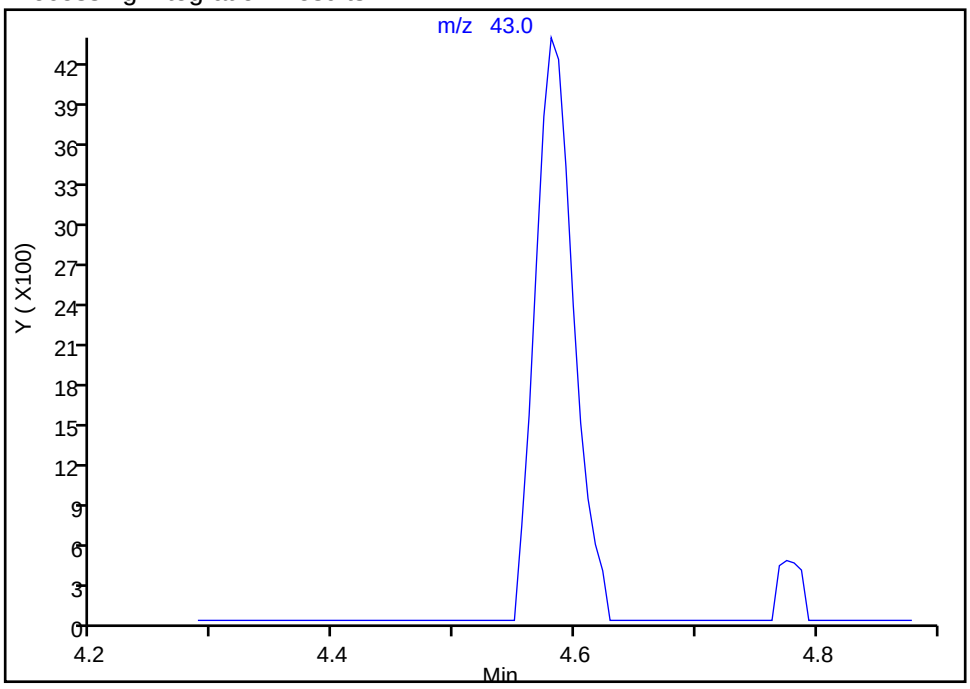
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

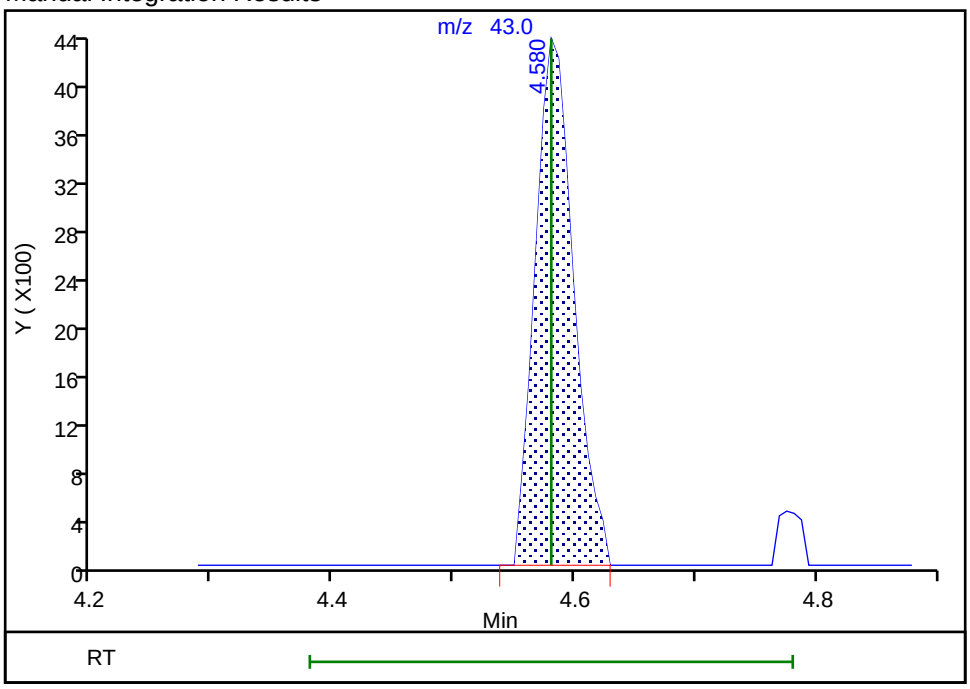
Not Detected
Expected RT: 4.58

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 9549
Amount: 2.051211
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

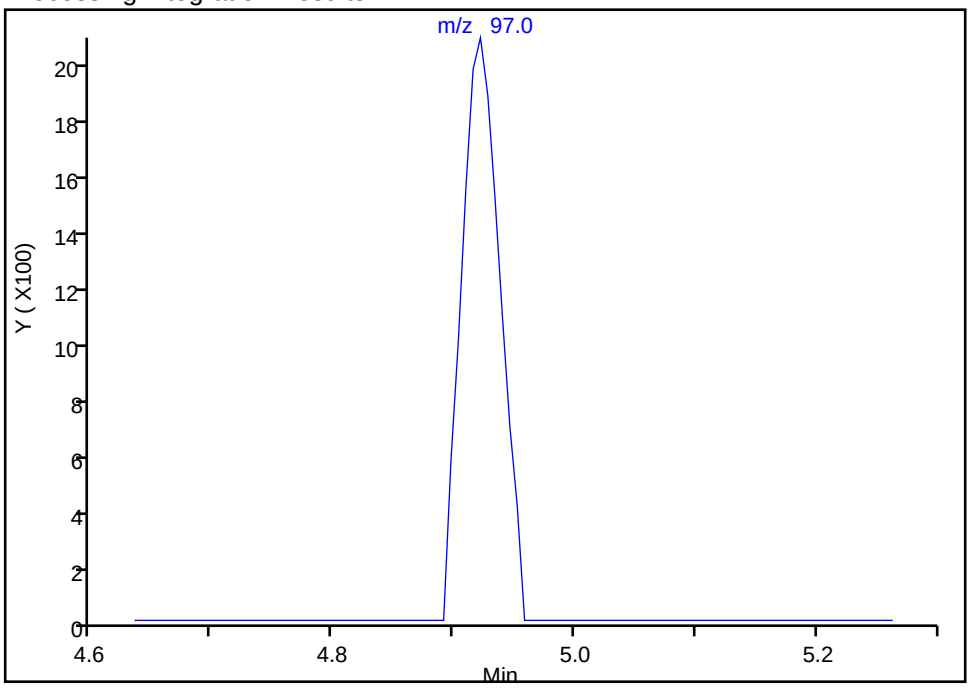
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
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Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

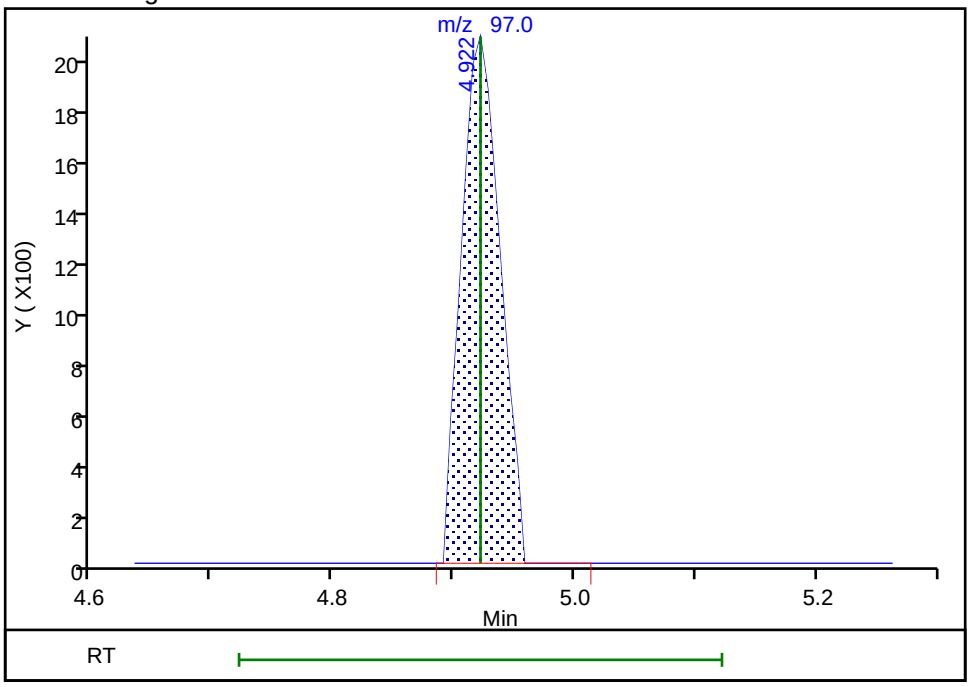
Not Detected
Expected RT: 4.92

Processing Integration Results



Manual Integration Results

RT: 4.92
Area: 4515
Amount: 0.336926
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

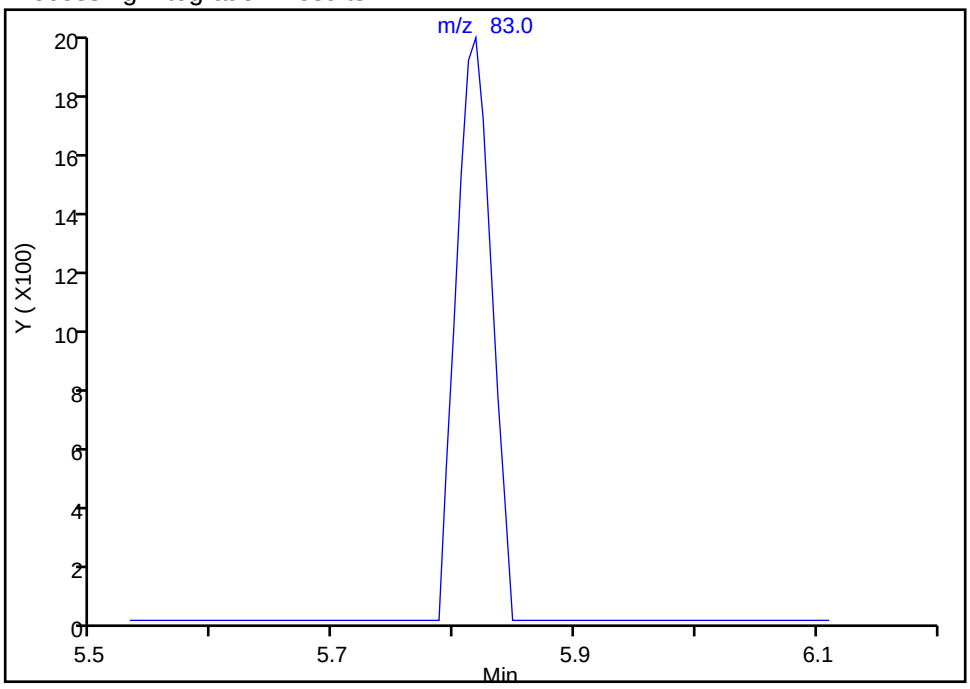
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

Signal: 1

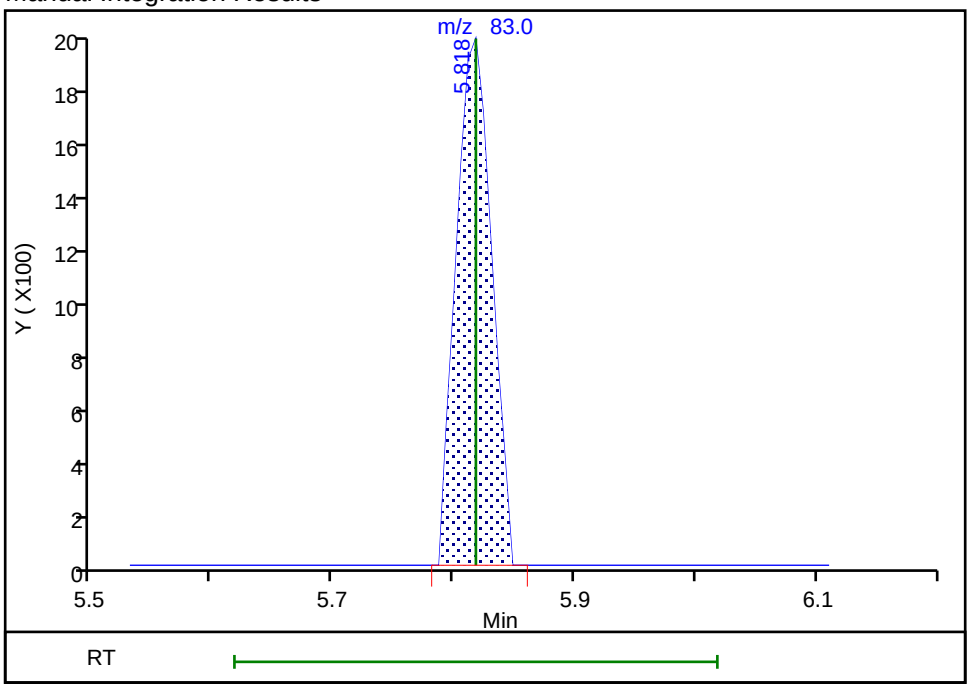
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 4005
Amount: 0.281325
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

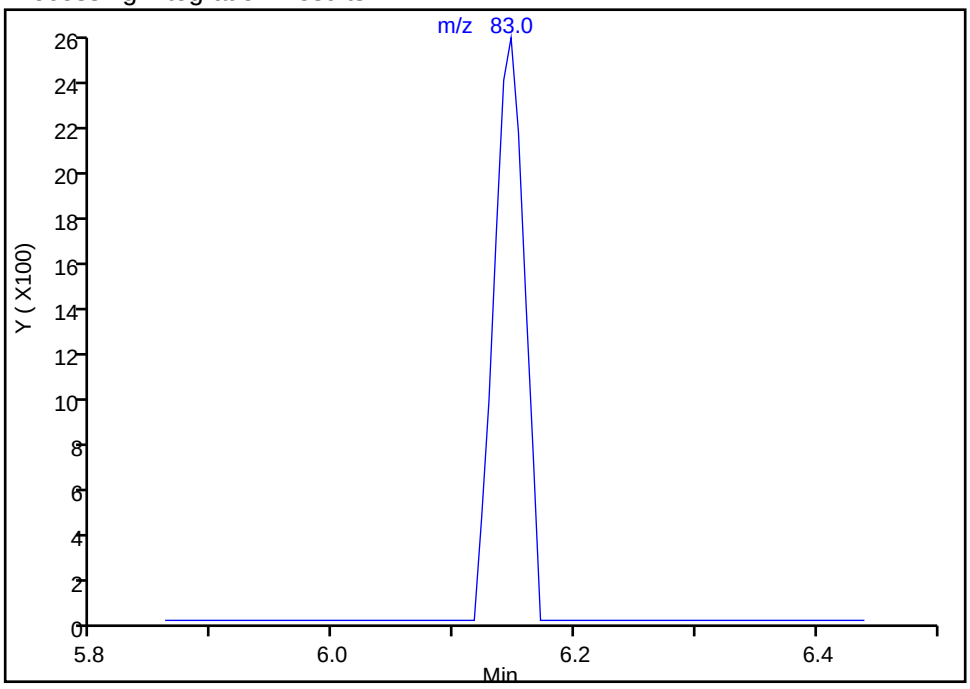
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

68 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

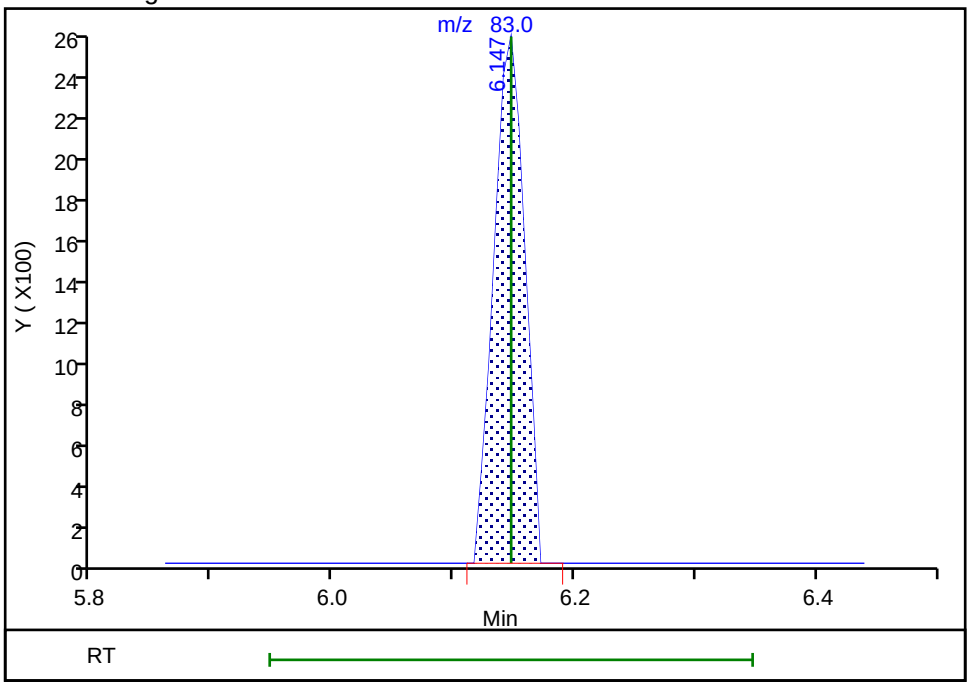
Not Detected
Expected RT: 6.15

Processing Integration Results



Manual Integration Results

RT: 6.15
Area: 4555
Amount: 0.367109
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

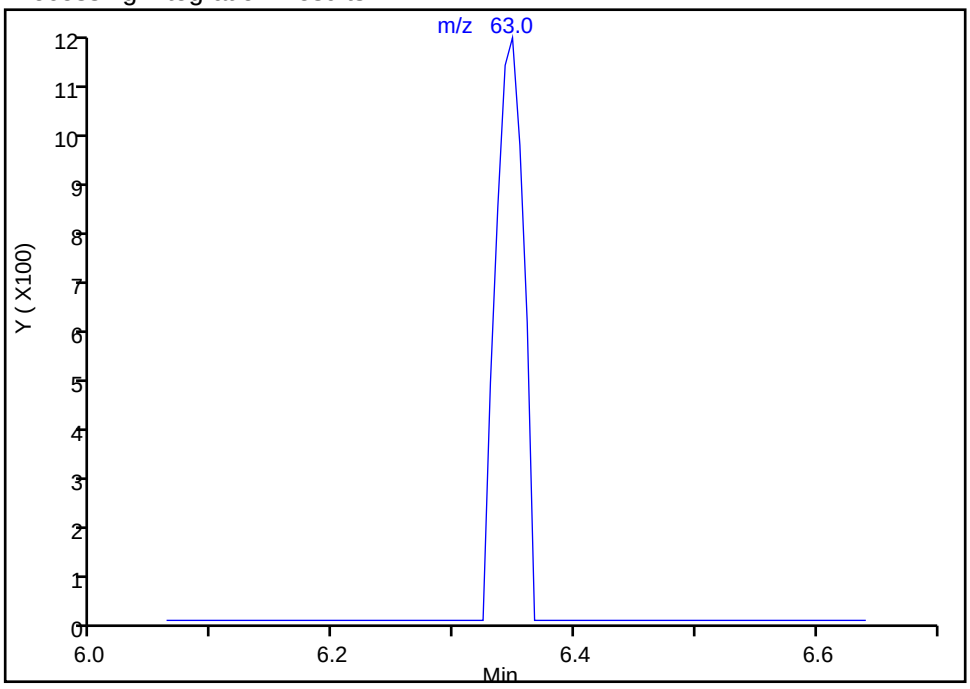
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

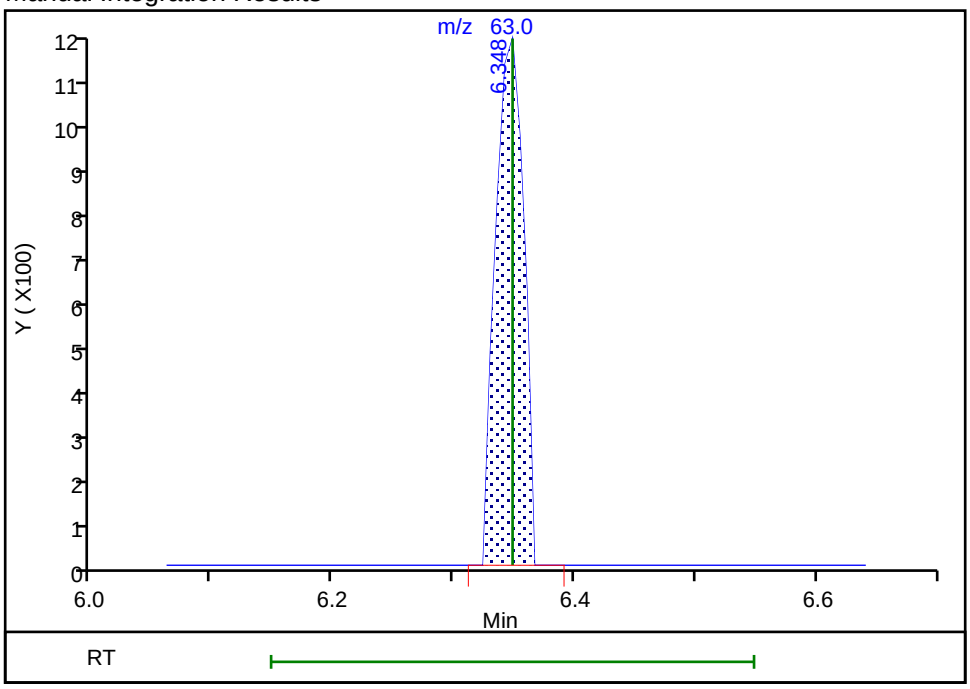
Not Detected
Expected RT: 6.35

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 1796
Amount: 0.324151
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:26:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

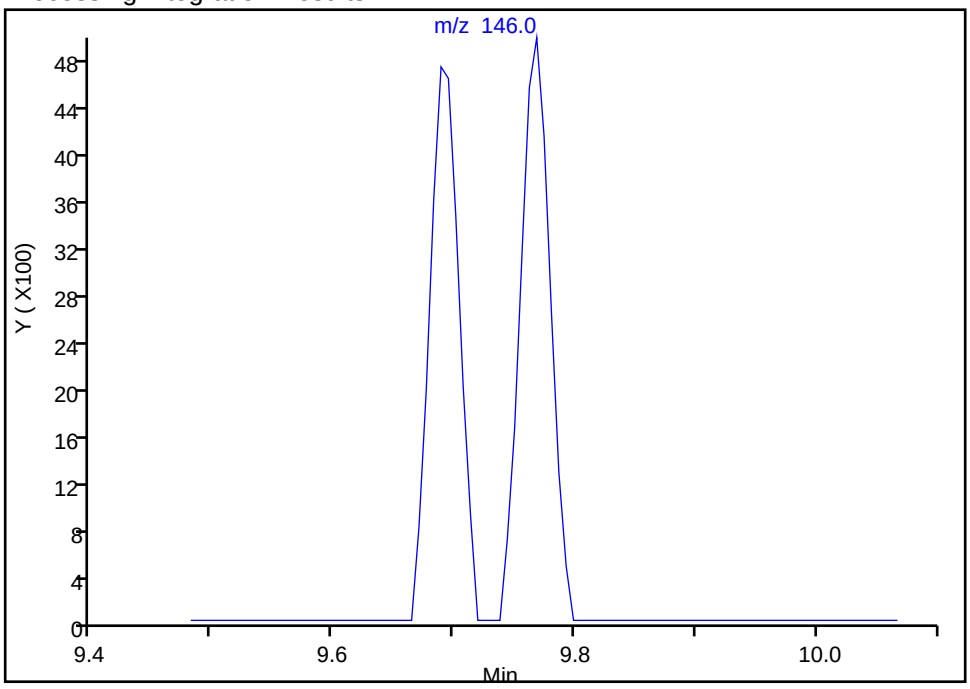
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

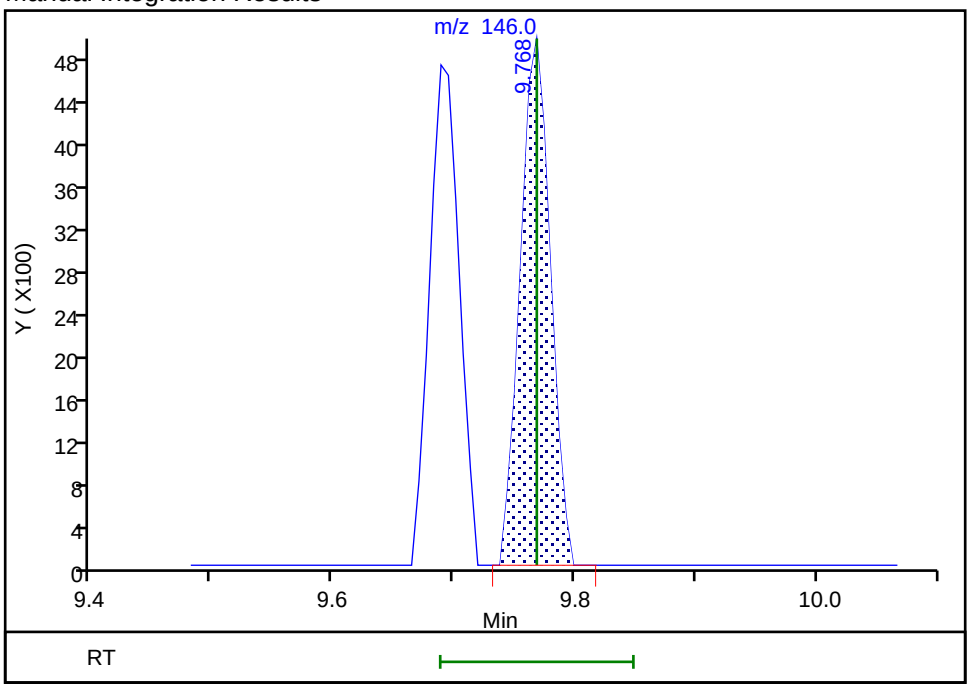
Not Detected
Expected RT: 9.77

Processing Integration Results



Manual Integration Results

RT: 9.77
Area: 8516
Amount: 0.388561
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:26:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

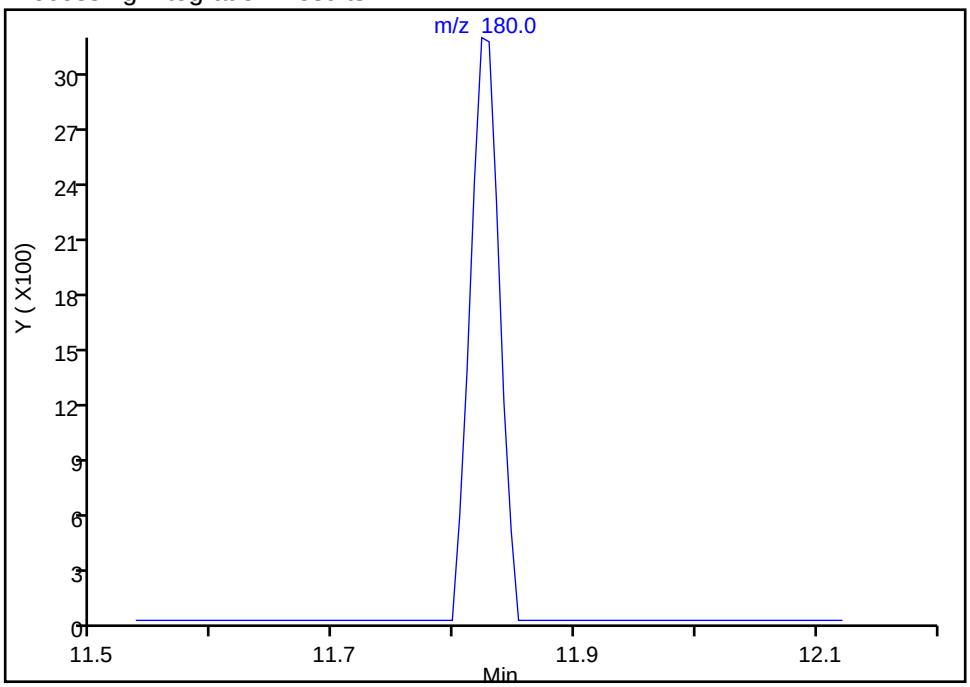
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Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

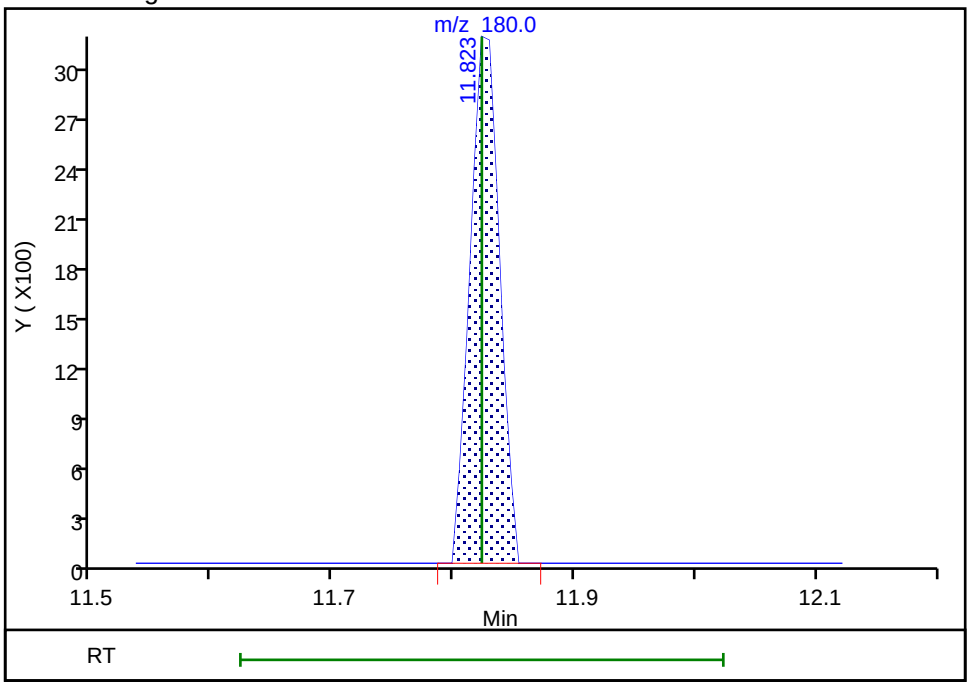
Not Detected
Expected RT: 11.82

Processing Integration Results



Manual Integration Results

RT: 11.82
Area: 5336
Amount: 0.377127
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:26:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36997.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 10-Oct-2020 13:16:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0094037-011
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:47 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:28:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	153462	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	326596	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	334325	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	93	230651	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.215	5.220	-0.005	99	136483	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	777437	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	267398	25.0	24.9	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	97	10515	1.00	1.00	
12 Chloromethane	50	1.654	1.666	-0.012	98	14098	1.00	1.09	
13 Vinyl chloride	62	1.764	1.770	-0.006	95	11966	1.00	1.05	
144 Butadiene	54	1.788	1.794	-0.006	88	10277	1.00	1.02	
14 Bromomethane	94	2.148	2.148	0.000	83	6331	1.00	0.9425	M
15 Chloroethane	64	2.258	2.245	0.013	93	8082	1.00	1.24	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	71	12761	1.00	0.9705	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	92	18757	1.00	1.15	
18 Ethyl ether	59	2.752	2.751	0.001	95	6884	1.00	0.9734	
20 Acrolein	56	2.941	2.947	-0.006	95	3471	5.00	5.19	a
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.989	0.000	78	5934	1.00	0.7938	M
22 1,1-Dichloroethene	96	3.002	3.008	-0.006	94	6210	1.00	0.8673	
23 Acetone	43	3.093	3.099	-0.006	98	15957	5.00	5.55	
25 Iodomethane	142	3.184	3.184	0.000	97	14171	1.00	0.9619	
26 Carbon disulfide	76	3.197	3.203	-0.006	99	25567	1.00	1.00	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	14247	1.00	1.04	
27 Methyl acetate	43	3.373	3.379	-0.006	99	14323	2.00	2.12	
30 Methylene Chloride	84	3.526	3.520	0.006	97	15453	1.00	0.9313	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	98	9164	10.0	10.1	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	99	22294	1.00	0.9749	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	95	7803	1.00	0.9513	
33 Acrylonitrile	53	3.739	3.745	-0.006	98	32925	10.0	10.1	a
35 Hexane	57	3.855	3.855	0.000	94	11860	1.00	1.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	96	15538	1.00	1.00	
37 Vinyl acetate	43	4.105	4.105	0.000	97	37093	2.00	1.87	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	90	8967	1.00	0.9654	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	80	9519	1.00	1.01	
43 2-Butanone (MEK)	43	4.581	4.580	0.000	99	22900	5.00	5.06	
48 Chlorobromomethane	128	4.763	4.763	0.000	95	5201	1.00	0.9831	
49 Tetrahydrofuran	42	4.776	4.775	0.001	85	6806	2.00	2.35	
50 Chloroform	83	4.818	4.818	0.000	96	18317	1.00	1.08	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	97	12467	1.00	0.9577	
52 Cyclohexane	56	4.928	4.928	0.000	94	12405	1.00	0.8670	
55 Carbon tetrachloride	117	5.038	5.038	0.000	97	10383	1.00	0.8858	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	90	11613	1.00	1.00	
53 Isobutyl alcohol	43	5.208	5.202	0.006	94	9528	25.0	25.2	
57 Benzene	78	5.221	5.220	0.001	93	33599	1.00	1.01	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	97	14504	1.00	1.04	
59 n-Heptane	43	5.336	5.342	-0.006	91	14051	1.00	1.04	
62 Trichloroethene	95	5.714	5.720	-0.006	96	9351	1.00	1.01	
64 Methylcyclohexane	83	5.818	5.818	0.000	94	12791	1.00	0.9249	
65 1,2-Dichloropropane	63	5.916	5.922	-0.006	89	9021	1.00	1.00	
66 1,4-Dioxane	88	6.025	6.025	0.000	0	848	20.0	28.4	M
67 Dibromomethane	93	6.038	6.037	0.001	96	6408	1.00	1.00	
68 Dichlorobromomethane	83	6.147	6.147	0.000	97	11451	1.00	0.9500	
69 2-Chloroethyl vinyl ether	63	6.348	6.348	0.000	88	4843	1.00	0.8998	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	91	12950	1.00	0.9366	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	98	47110	5.00	4.93	
74 Toluene	92	6.702	6.708	-0.006	98	20928	1.00	0.9728	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	96	11444	1.00	0.8774	
75 Ethyl methacrylate	69	6.922	6.921	0.001	93	9472	1.00	0.8866	
79 1,1,2-Trichloroethane	83	7.068	7.074	-0.006	91	6799	1.00	0.9616	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	9759	1.00	0.9748	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	13406	1.00	0.99	
80 2-Hexanone	43	7.226	7.226	0.000	99	32918	5.00	4.78	
83 Chlorodibromomethane	129	7.391	7.391	0.000	88	8552	1.00	0.8938	
84 Ethylene Dibromide	107	7.488	7.488	0.000	97	9011	1.00	0.9668	
87 Chlorobenzene	112	7.842	7.842	0.000	97	25422	1.00	1.01	
88 Ethylbenzene	91	7.897	7.897	0.000	98	39684	1.00	0.9666	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	90	8189	1.00	0.9378	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	98	15899	1.00	1.01	
91 o-Xylene	106	8.324	8.324	0.000	97	15090	1.00	0.9776	
92 Styrene	104	8.342	8.342	0.000	95	25020	1.00	0.9503	
95 Bromoform	173	8.561	8.561	0.000	90	5033	1.00	0.8116	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	39362	1.00	0.9880	
101 Bromobenzene	156	8.915	8.921	-0.006	93	11586	1.00	1.00	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	94	11430	1.00	0.9657	
99 N-Propylbenzene	91	8.952	8.951	0.001	98	48254	1.00	0.9822	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	76	2754	1.00	0.8089	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	90	3209	1.00	1.00	
103 2-Chlorotoluene	126	9.055	9.055	0.000	96	9989	1.00	1.00	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	33422	1.00	0.9814	
105 4-Chlorotoluene	126	9.147	9.147	0.000	97	10747	1.00	1.03	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	6528	1.00	0.9500	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	97	33829	1.00	0.9558	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	43399	1.00	0.9665	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	36265	1.00	0.9458	
111 1,3-Dichlorobenzene	146	9.689	9.695	-0.006	98	21505	1.00	1.01	
113 1,4-Dichlorobenzene	146	9.769	9.768	0.001	93	21826	1.00	1.00	
115 n-Butylbenzene	91	10.012	10.012	0.000	98	34630	1.00	0.9790	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	97	21060	1.00	1.00	
117 1,2-Dibromo-3-Chloropropane	75	10.787	10.786	0.001	77	1654	1.00	0.8357	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	14166	1.00	0.9500	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	95	7133	1.00	0.9653	
121 Naphthalene	128	11.640	11.640	0.000	98	35061	1.00	0.9633	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	92	13513	1.00	0.9564	
S 124 Xylenes, Total	1				0			1.98	
S 125 1,2-Dichloroethene, Total	1				0			1.96	
S 126 1,3-Dichloropropene, Total	1				0			1.81	
S 123 Total BTEX	1				0			4.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	1.00	Units: uL	
GAS CORP mix_00421	Amount Added:	1.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

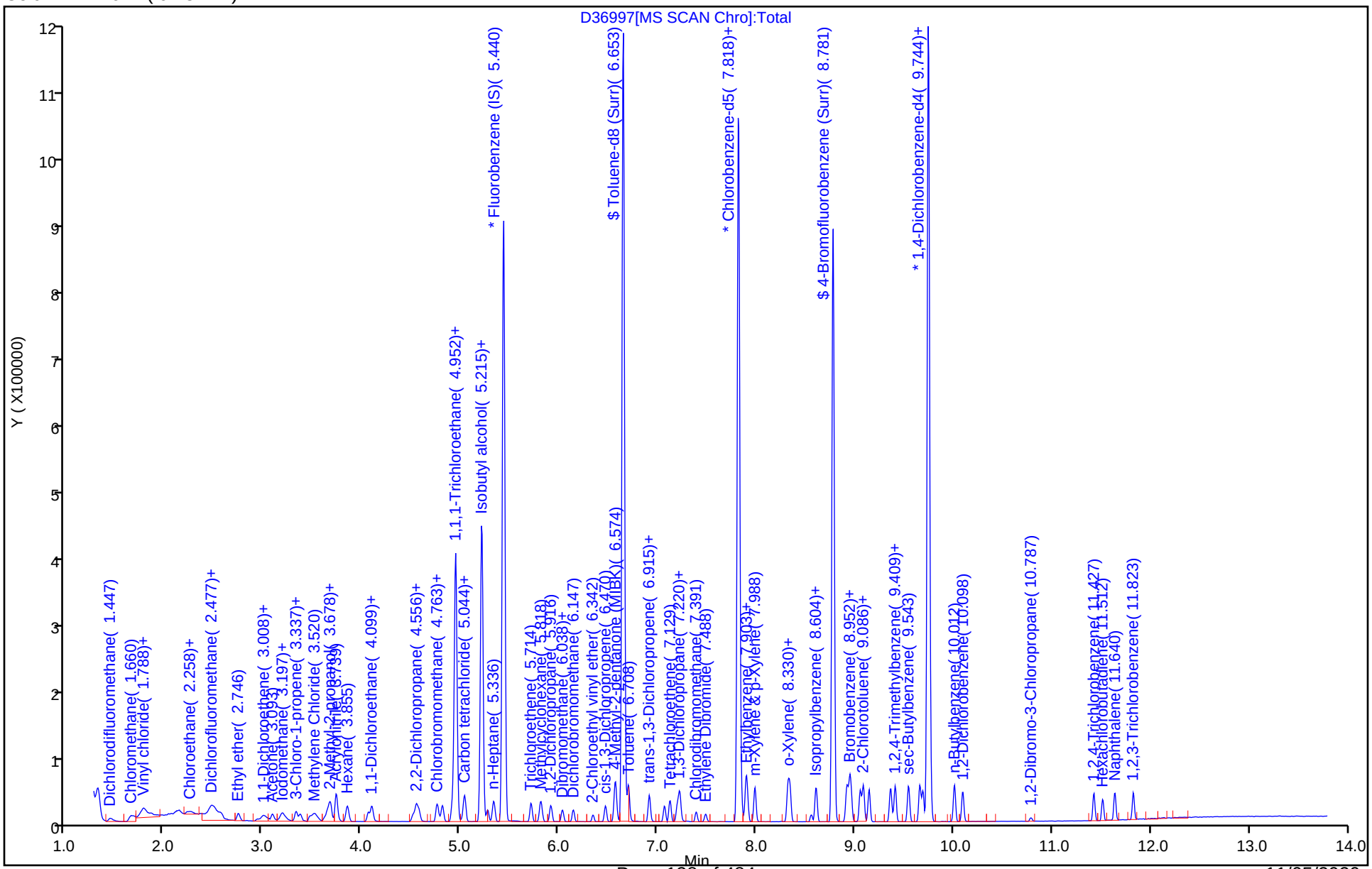
Report Date: 11-Oct-2020 11:14:48 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

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Injection Date:	10-Oct-2020 13:16:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

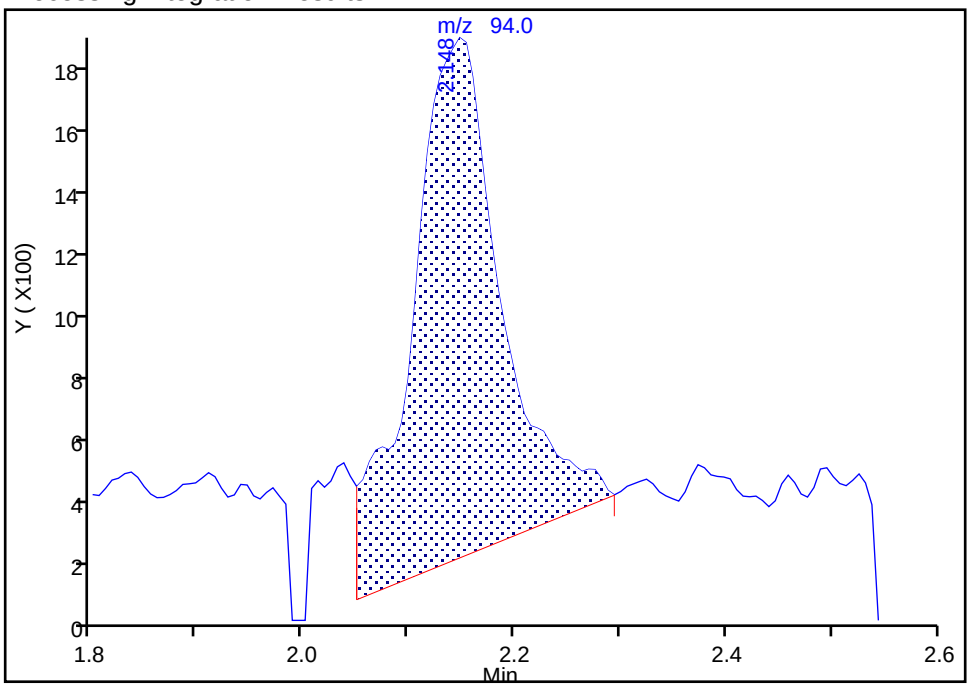
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Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

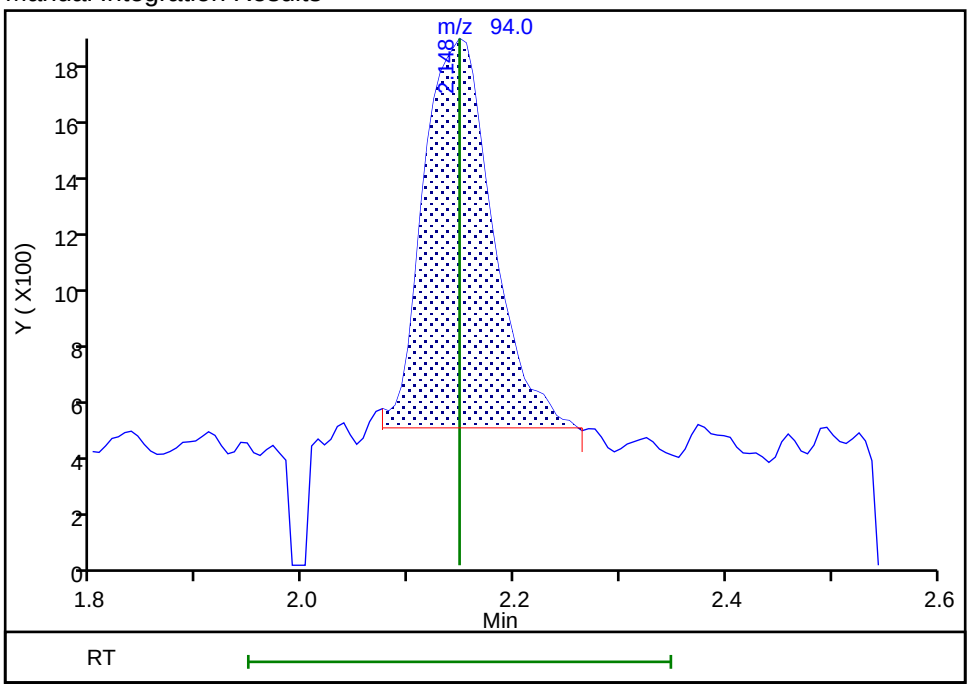
Processing Integration Results

RT: 2.15
Area: 10100
Amount: 1.356040
Amount Units: ug/L



Manual Integration Results

RT: 2.15
Area: 6331
Amount: 0.942515
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:27:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

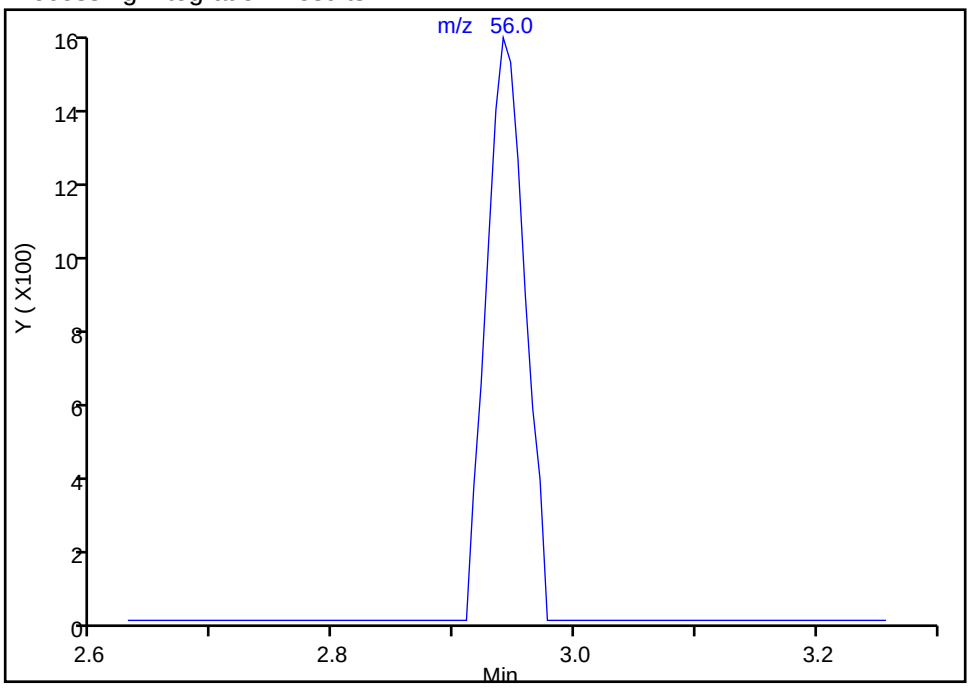
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Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

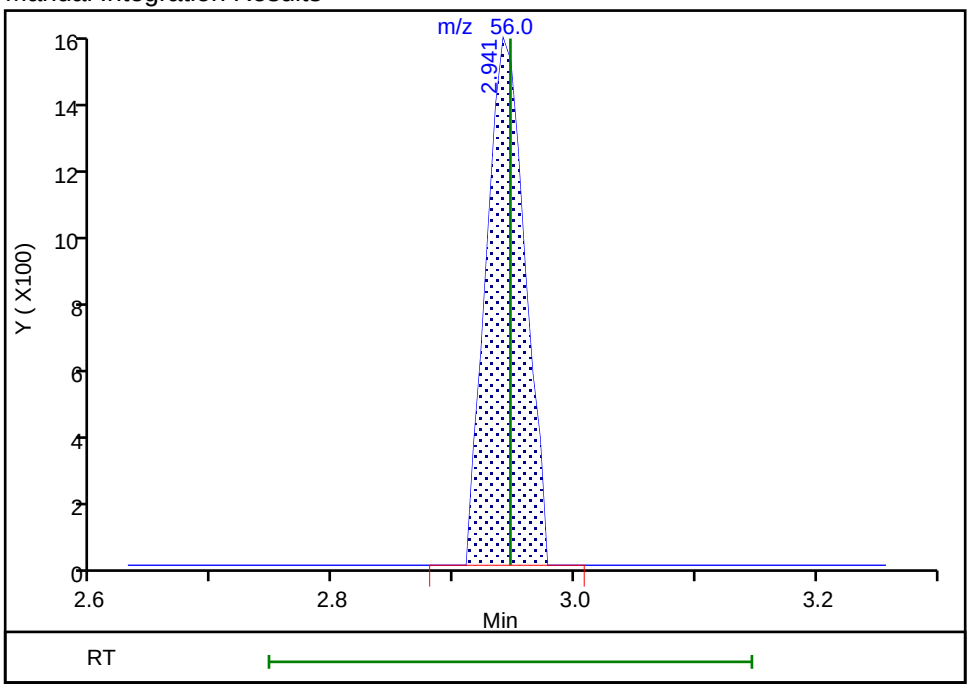
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.94
Area: 3471
Amount: 5.193845
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:27:43
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

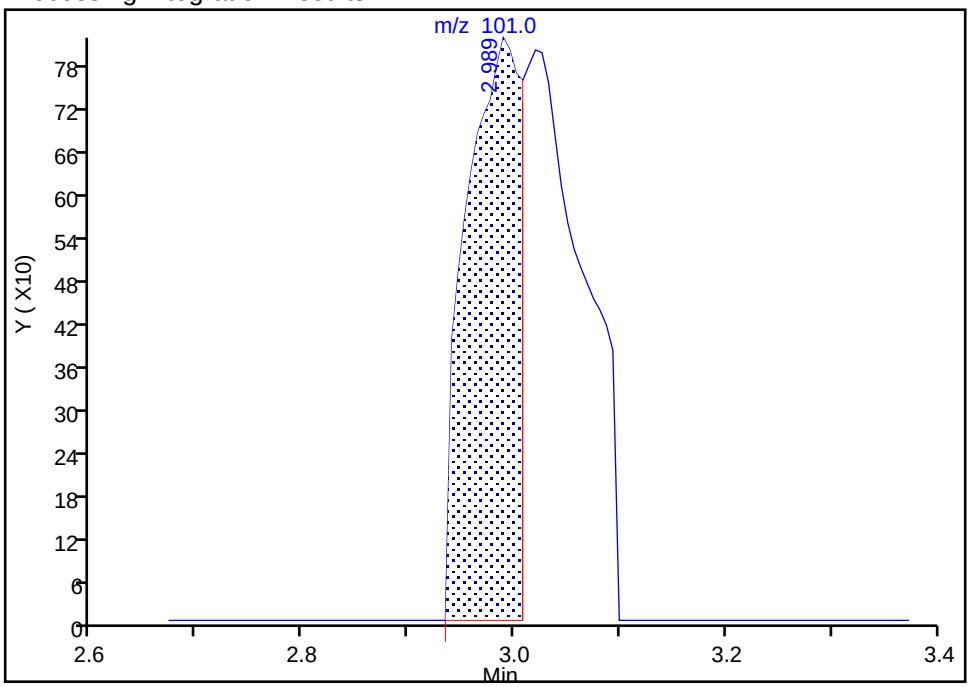
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Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

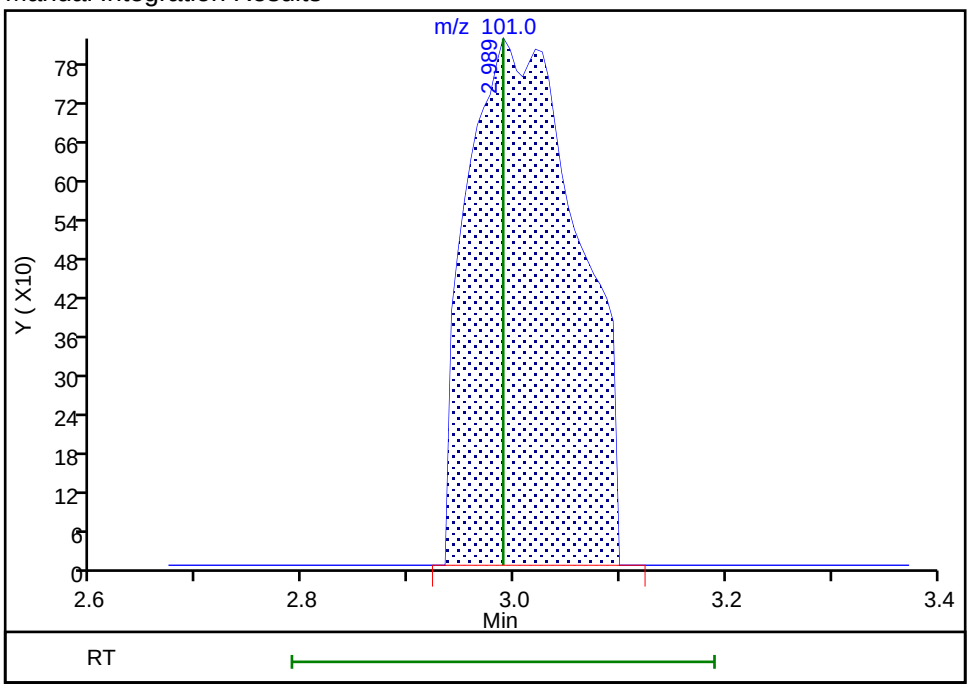
Processing Integration Results

RT: 2.99
Area: 2961
Amount: 0.767487
Amount Units: ug/L



Manual Integration Results

RT: 2.99
Area: 5934
Amount: 0.793776
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:27:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

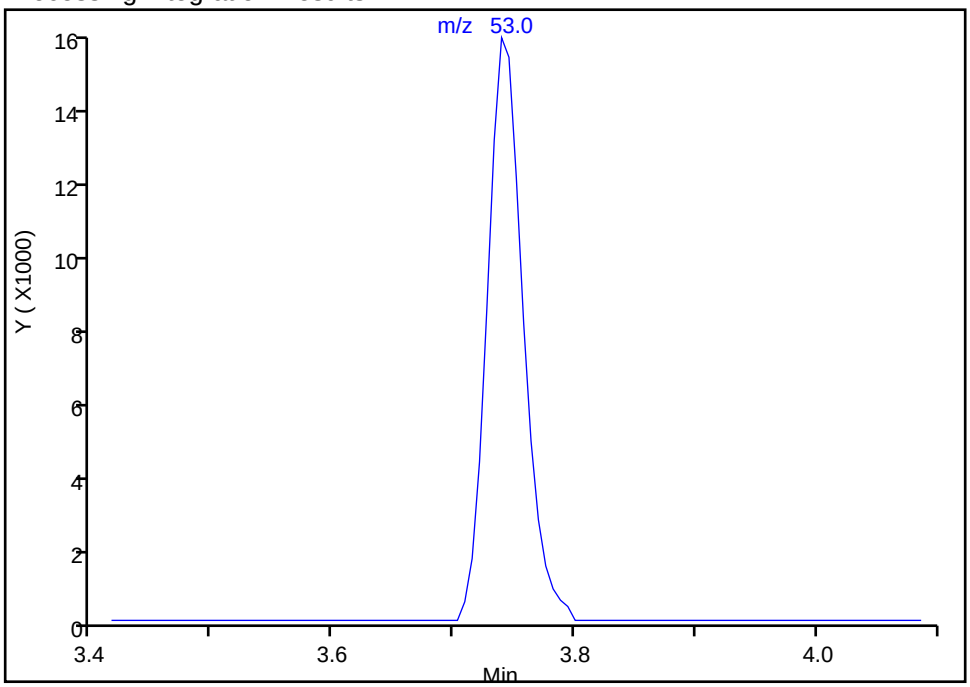
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Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

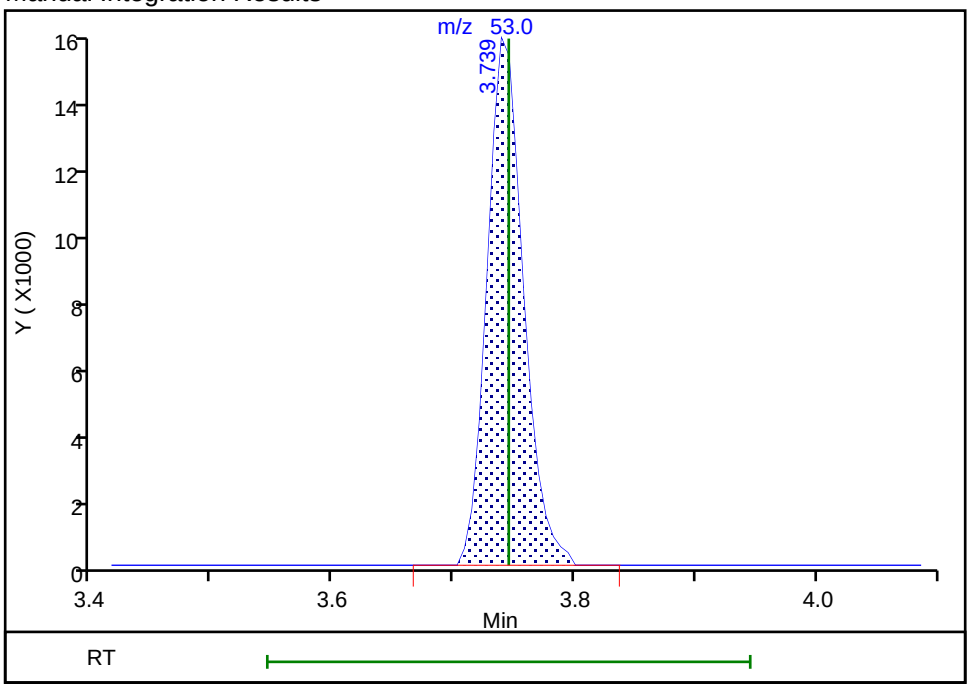
Not Detected
Expected RT: 3.75

Processing Integration Results



Manual Integration Results

RT: 3.74
Area: 32925
Amount: 10.145800
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:28:06
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

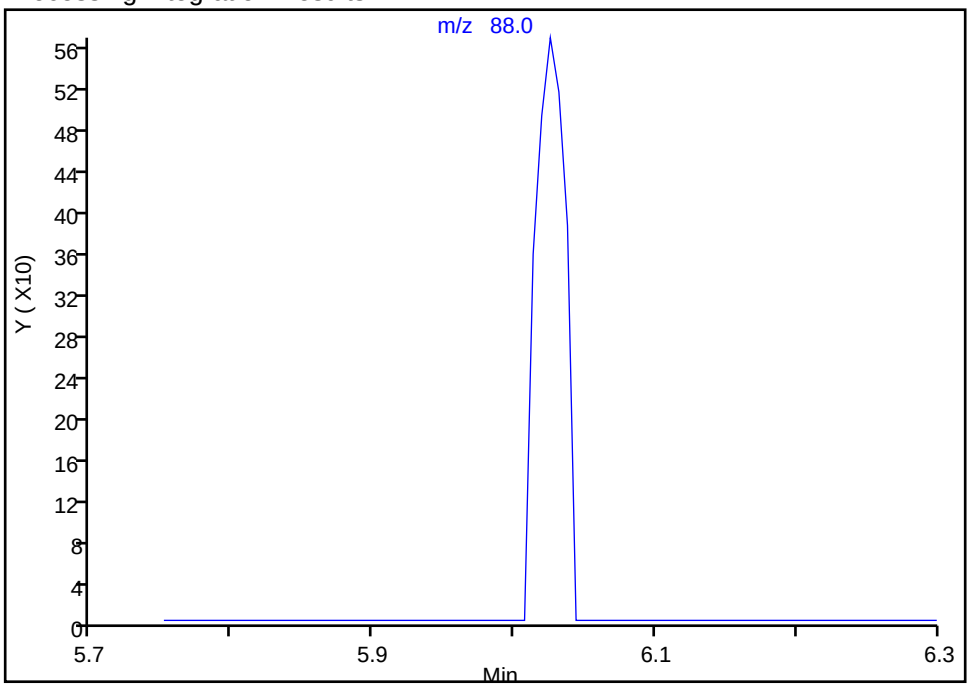
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Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

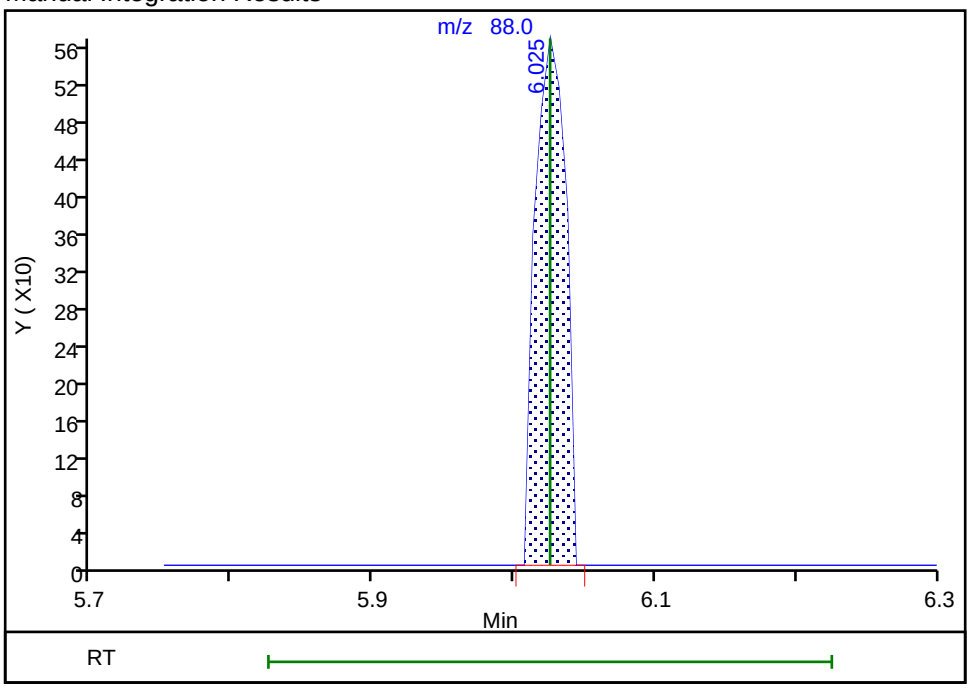
Not Detected
Expected RT: 6.03

Processing Integration Results



Manual Integration Results

RT: 6.03
Area: 848
Amount: 28.359415
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:28:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36998.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 10-Oct-2020 13:39:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0094037-012
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:50 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:30:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	155494	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	327245	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	327640	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	93	232203	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.220	-0.006	100	136946	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	96	775784	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	91	264712	25.0	24.6	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	98	21109	2.00	1.98	
12 Chloromethane	50	1.660	1.666	-0.006	98	27491	2.00	2.10	
13 Vinyl chloride	62	1.764	1.770	-0.006	97	24919	2.00	2.15	
144 Butadiene	54	1.788	1.794	-0.006	94	20003	2.00	1.97	
14 Bromomethane	94	2.142	2.148	-0.006	94	13717	2.00	2.02	
15 Chloroethane	64	2.246	2.245	0.001	97	14644	2.00	2.22	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	96	26654	2.00	2.00	
16 Dichlorofluoromethane	67	2.471	2.477	-0.006	96	35449	2.00	2.15	
18 Ethyl ether	59	2.752	2.751	0.001	96	15032	2.00	2.10	
20 Acrolein	56	2.947	2.947	0.000	97	6691	10.0	9.88	a
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.989	0.000	90	15004	2.00	1.98	
22 1,1-Dichloroethene	96	3.008	3.008	0.000	96	14713	2.00	2.03	
23 Acetone	43	3.099	3.099	0.000	98	28540	10.0	9.79	
25 Iodomethane	142	3.178	3.184	-0.006	97	29080	2.00	1.95	
26 Carbon disulfide	76	3.197	3.203	-0.006	100	54168	2.00	2.08	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	85	29443	2.00	2.12	
27 Methyl acetate	43	3.379	3.379	0.000	99	28422	4.00	4.14	
30 Methylene Chloride	84	3.507	3.520	-0.013	97	25547	2.00	2.03	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	99	16905	20.0	18.4	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	98	47042	2.00	2.03	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	95	16641	2.00	2.00	
33 Acrylonitrile	53	3.745	3.745	0.000	98	66947	20.0	20.4	
35 Hexane	57	3.855	3.855	0.000	94	26488	2.00	2.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	96	32748	2.00	2.08	
37 Vinyl acetate	43	4.105	4.105	0.000	97	80179	4.00	4.00	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	89	19357	2.00	2.06	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	82	19560	2.00	2.04	
43 2-Butanone (MEK)	43	4.580	4.580	0.000	99	46481	10.0	10.1	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	10874	2.00	2.03	
49 Tetrahydrofuran	42	4.776	4.775	0.001	85	11776	4.00	4.01	
50 Chloroform	83	4.818	4.818	0.000	95	36583	2.00	2.12	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	27160	2.00	2.06	
52 Cyclohexane	56	4.928	4.928	0.000	95	30500	2.00	2.10	
55 Carbon tetrachloride	117	5.038	5.038	0.000	96	23036	2.00	1.94	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	91	24549	2.00	2.09	
53 Isobutyl alcohol	43	5.208	5.202	0.006	91	18124	50.0	47.3	
57 Benzene	78	5.221	5.220	0.001	94	70514	2.00	2.09	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	98	29350	2.00	2.07	
59 n-Heptane	43	5.336	5.342	-0.006	94	30722	2.00	2.24	
62 Trichloroethene	95	5.720	5.720	0.000	96	19539	2.00	2.08	
64 Methylcyclohexane	83	5.818	5.818	0.000	94	29228	2.00	2.09	
65 1,2-Dichloropropane	63	5.922	5.922	0.000	90	18871	2.00	2.06	
66 1,4-Dioxane	88	6.025	6.025	0.000	0	1637	40.0	40.0	M
67 Dibromomethane	93	6.037	6.037	0.000	95	13368	2.00	2.07	
68 Dichlorobromomethane	83	6.147	6.147	0.000	97	24557	2.00	2.01	
69 2-Chloroethyl vinyl ether	63	6.342	6.348	-0.006	93	11537	2.00	2.12	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	91	28271	2.00	2.02	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.574	-0.006	99	97545	10.0	10.2	
74 Toluene	92	6.702	6.708	-0.006	98	45378	2.00	2.11	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	25754	2.00	1.97	
75 Ethyl methacrylate	69	6.921	6.921	0.000	90	20902	2.00	1.95	
79 1,1,2-Trichloroethane	83	7.068	7.074	-0.006	93	14588	2.00	2.06	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	20967	2.00	2.09	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	27861	2.00	2.06	
80 2-Hexanone	43	7.226	7.226	0.000	98	70249	10.0	10.2	
83 Chlorodibromomethane	129	7.391	7.391	0.000	89	18409	2.00	1.92	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	18812	2.00	2.01	
87 Chlorobenzene	112	7.842	7.842	0.000	98	52025	2.00	2.07	
88 Ethylbenzene	91	7.897	7.897	0.000	99	85762	2.00	2.08	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	92	17432	2.00	1.99	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	32386	2.00	2.05	
91 o-Xylene	106	8.324	8.324	0.000	97	31895	2.00	2.06	
92 Styrene	104	8.342	8.342	0.000	94	53268	2.00	2.02	
95 Bromoform	173	8.561	8.561	0.000	95	10917	2.00	1.76	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	83183	2.00	2.13	
101 Bromobenzene	156	8.915	8.921	-0.006	93	23511	2.00	2.07	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	96	23699	2.00	2.04	
99 N-Propylbenzene	91	8.952	8.951	0.001	98	103380	2.00	2.15	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.964	-0.006	74	6441	2.00	1.93	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	90	6268	2.00	1.99	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	20753	2.00	2.11	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	70355	2.00	2.11	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	21400	2.00	2.08	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	14076	2.00	2.09	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	97	71794	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	91768	2.00	2.09	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	76758	2.00	2.04	
111 1,3-Dichlorobenzene	146	9.689	9.695	-0.006	98	44073	2.00	2.10	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	95	44718	2.00	2.08	
115 n-Butylbenzene	91	10.012	10.012	0.000	99	72414	2.00	2.09	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	97	42428	2.00	2.05	
117 1,2-Dibromo-3-Chloropropane	75	10.787	10.786	0.001	80	3607	2.00	1.86	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	94	29729	2.00	2.03	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	97	15244	2.00	2.11	
121 Naphthalene	128	11.640	11.640	0.000	97	69750	2.00	1.96	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	27821	2.00	2.01	
S 124 Xylenes, Total	1				0			4.11	
S 125 1,2-Dichloroethene, Total	1				0			4.04	
S 126 1,3-Dichloropropene, Total	1				0			3.99	
S 123 Total BTEX	1				0			10.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	2.00	Units: uL	
GAS CORP mix_00421	Amount Added:	2.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

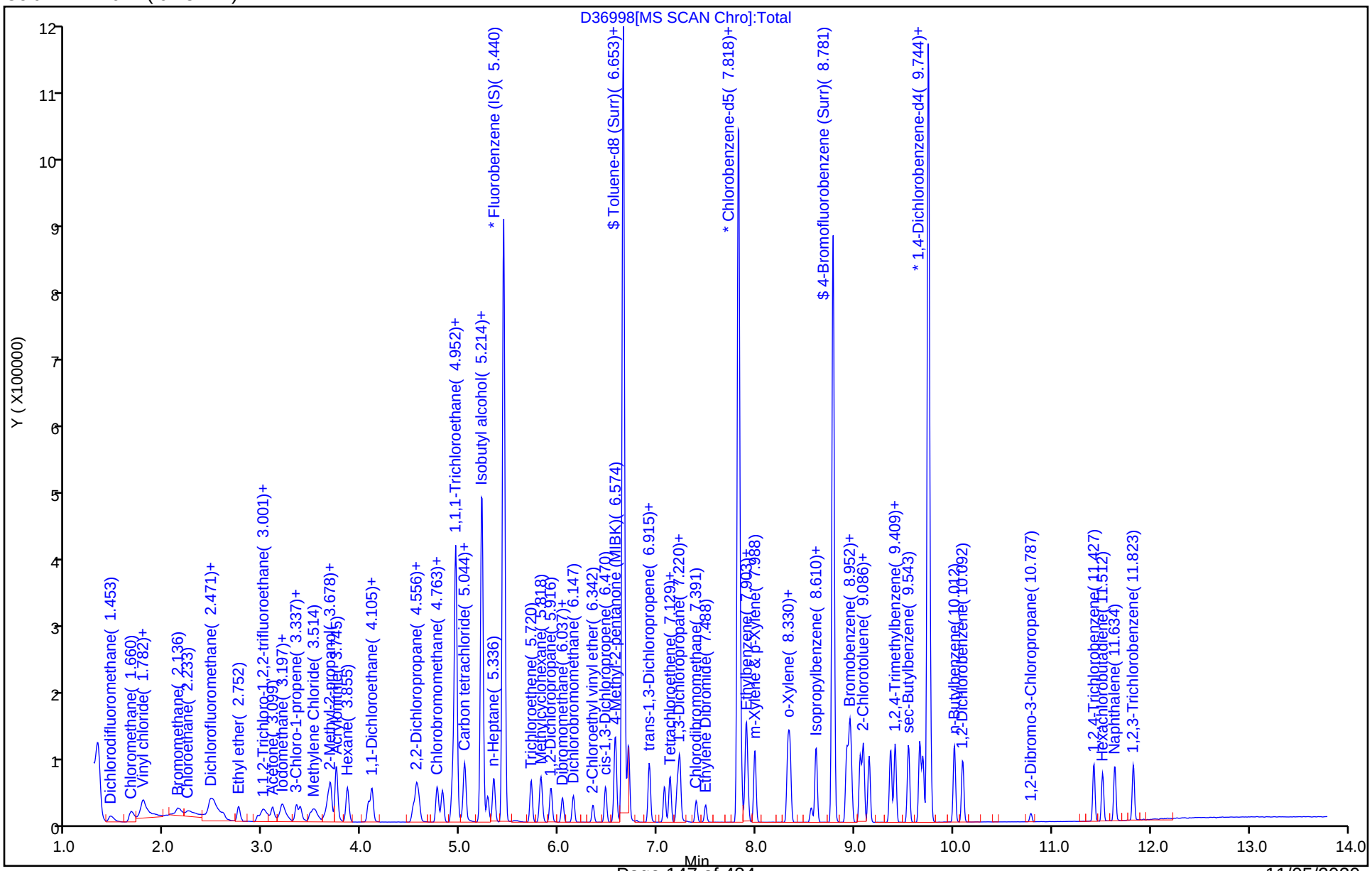
Report Date: 11-Oct-2020 11:14:50 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36998.D

Injection Date:	10-Oct-2020 13:39:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

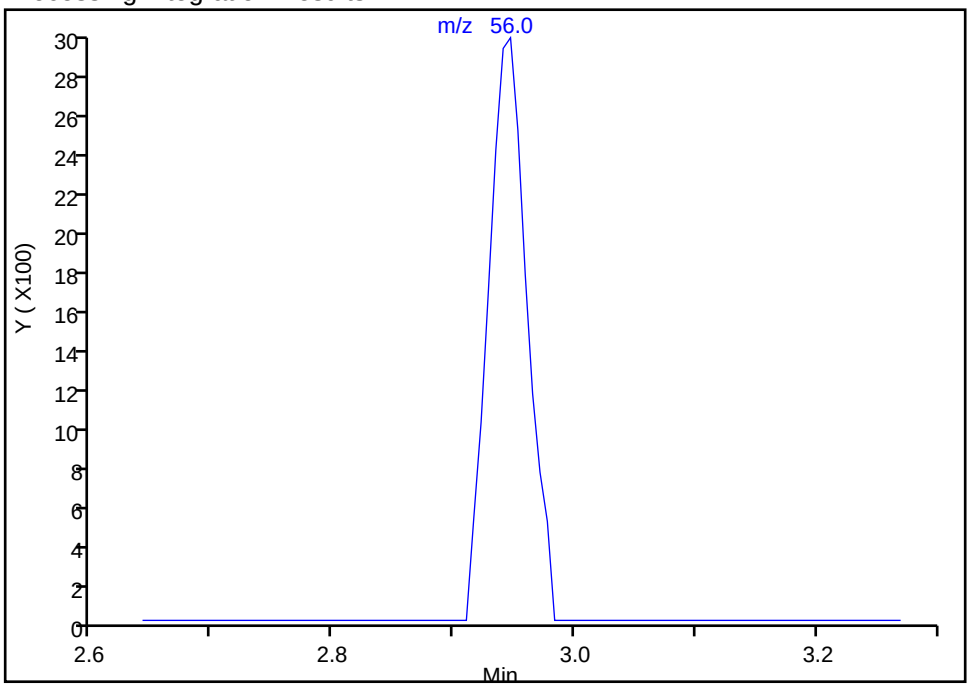
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Injection Date: 10-Oct-2020 13:39:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

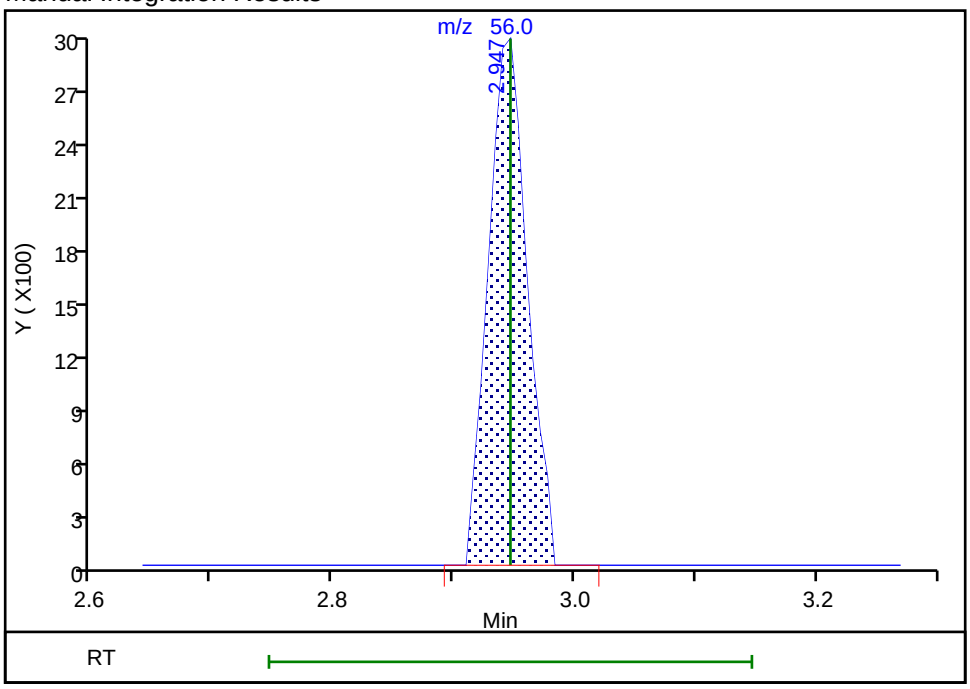
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.95
Area: 6691
Amount: 9.881268
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:29:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

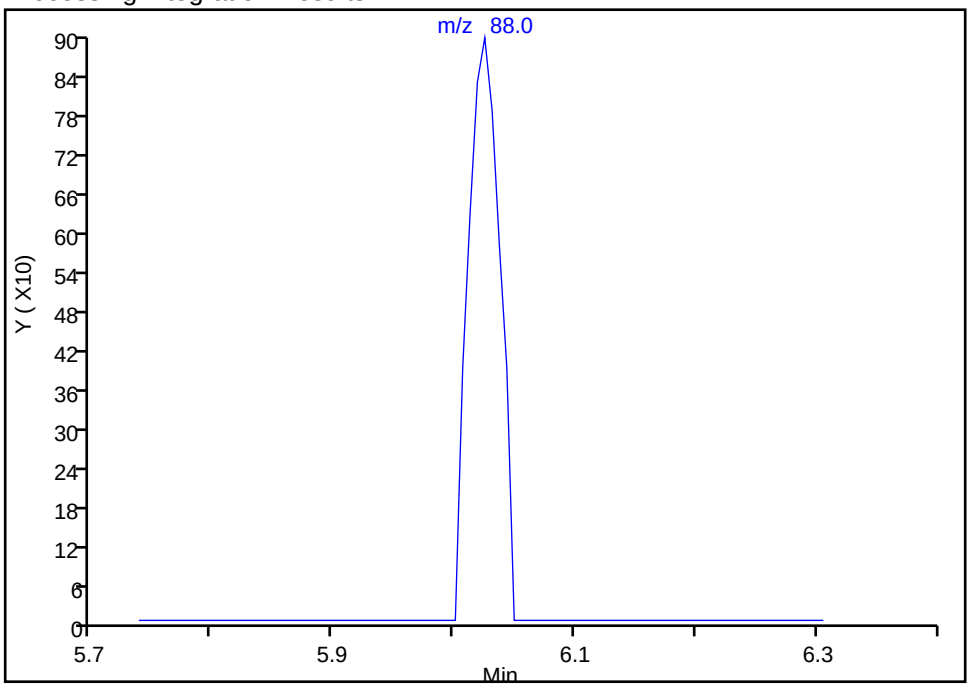
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Injection Date: 10-Oct-2020 13:39:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

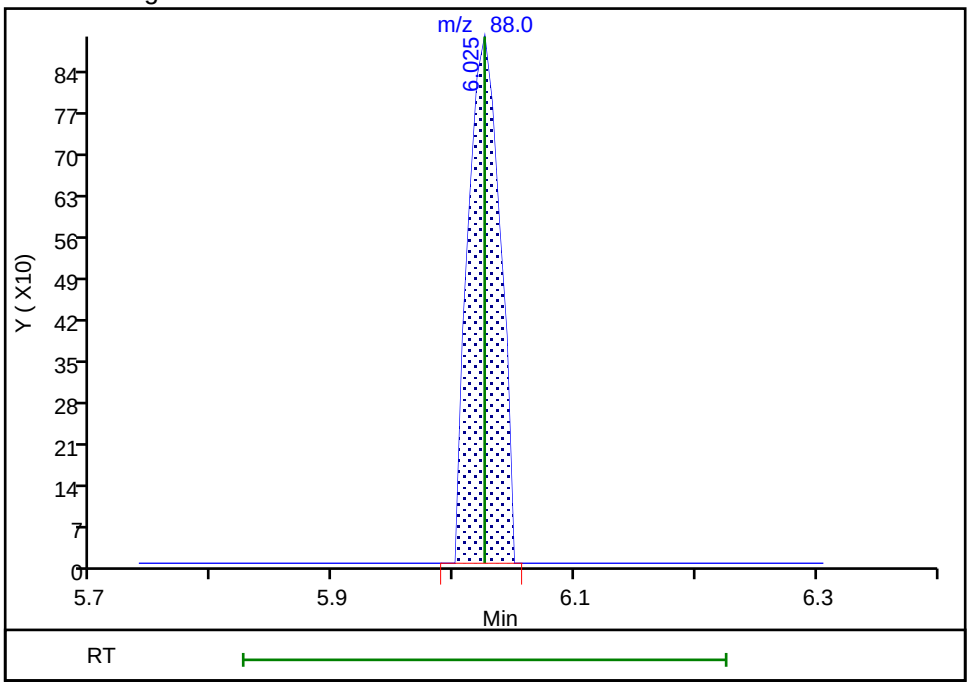
Not Detected
Expected RT: 6.03

Processing Integration Results



Manual Integration Results

RT: 6.03
Area: 1637
Amount: 39.984166
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:29:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36999.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 10-Oct-2020 14:02:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0094037-013
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:52 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:31:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	153408	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	323477	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	96	333557	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	93	231133	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.221	5.221	0.000	99	136139	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	768197	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	266319	25.0	25.0	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	52916	5.00	5.04	
12 Chloromethane	50	1.660	1.660	0.000	98	64112	5.00	4.97	
13 Vinyl chloride	62	1.758	1.758	0.000	98	59454	5.00	5.20	
144 Butadiene	54	1.788	1.788	0.000	95	48263	5.00	4.81	
14 Bromomethane	94	2.142	2.142	0.000	92	35571	5.00	5.30	
15 Chloroethane	64	2.245	2.245	0.000	97	32507	5.00	4.99	
17 Trichlorofluoromethane	101	2.465	2.465	0.000	97	66938	5.00	5.09	
16 Dichlorofluoromethane	67	2.471	2.471	0.000	97	81402	5.00	5.00	
18 Ethyl ether	59	2.751	2.751	0.000	97	35109	5.00	4.97	
20 Acrolein	56	2.947	2.947	0.000	97	16495	25.0	24.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.977	0.000	93	40690	5.00	5.44	M
22 1,1-Dichloroethene	96	3.001	3.001	0.000	97	36753	5.00	5.13	
23 Acetone	43	3.099	3.099	0.000	98	68919	25.0	24.0	
25 Iodomethane	142	3.172	3.172	0.000	99	68836	5.00	4.67	
26 Carbon disulfide	76	3.197	3.197	0.000	100	130064	5.00	5.07	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	69634	5.00	5.08	
27 Methyl acetate	43	3.379	3.379	0.000	99	66687	10.0	9.86	
30 Methylene Chloride	84	3.520	3.520	0.000	97	53166	5.00	5.19	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	99	43697	50.0	48.1	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	98	115709	5.00	5.06	
34 trans-1,2-Dichloroethene	96	3.690	3.690	0.000	96	42305	5.00	5.16	
33 Acrylonitrile	53	3.745	3.745	0.000	98	163668	50.0	50.5	
35 Hexane	57	3.855	3.855	0.000	94	61267	5.00	5.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	97	79951	5.00	5.15	
37 Vinyl acetate	43	4.105	4.105	0.000	97	196457	10.0	9.93	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	90	45878	5.00	4.94	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	82	47844	5.00	5.06	
43 2-Butanone (MEK)	43	4.580	4.580	0.000	99	113660	25.0	25.1	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	27048	5.00	5.11	
49 Tetrahydrofuran	42	4.775	4.775	0.000	86	28472	10.0	9.82	
50 Chloroform	83	4.818	4.818	0.000	95	85990	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	67129	5.00	5.16	
52 Cyclohexane	56	4.928	4.928	0.000	94	75512	5.00	5.28	
55 Carbon tetrachloride	117	5.038	5.038	0.000	97	58070	5.00	4.96	
54 1,1-Dichloropropene	75	5.050	5.050	0.000	93	60496	5.00	5.22	
53 Isobutyl alcohol	43	5.208	5.208	0.000	92	46145	125.0	122.0	
57 Benzene	78	5.221	5.221	0.000	94	172493	5.00	5.19	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	97	70205	5.00	5.02	
59 n-Heptane	43	5.342	5.342	0.000	94	69850	5.00	5.16	
62 Trichloroethene	95	5.720	5.720	0.000	96	47257	5.00	5.10	
64 Methylcyclohexane	83	5.818	5.818	0.000	95	70622	5.00	5.11	
65 1,2-Dichloropropane	63	5.922	5.922	0.000	91	46377	5.00	5.14	
66 1,4-Dioxane	88	6.025	6.025	0.000	0	4928	100.0	89.4	M
67 Dibromomethane	93	6.037	6.037	0.000	96	32068	5.00	5.03	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	59952	5.00	4.98	
69 2-Chloroethyl vinyl ether	63	6.348	6.348	0.000	93	28155	5.00	5.23	
72 cis-1,3-Dichloropropene	75	6.476	6.476	0.000	92	69882	5.00	5.06	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	98	242572	25.0	25.6	
74 Toluene	92	6.708	6.708	0.000	97	109638	5.00	5.15	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	65311	5.00	5.06	
75 Ethyl methacrylate	69	6.921	6.921	0.000	90	53766	5.00	5.08	
79 1,1,2-Trichloroethane	83	7.074	7.074	0.000	92	35656	5.00	5.09	
81 Tetrachloroethene	166	7.129	7.129	0.000	96	50715	5.00	5.11	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	68698	5.00	5.14	
80 2-Hexanone	43	7.226	7.226	0.000	98	178272	25.0	26.1	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	45975	5.00	4.85	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	46488	5.00	5.04	
87 Chlorobenzene	112	7.848	7.848	0.000	96	126445	5.00	5.08	
88 Ethylbenzene	91	7.897	7.897	0.000	99	210172	5.00	5.17	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	93	43895	5.00	5.08	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	79840	5.00	5.10	
91 o-Xylene	106	8.324	8.324	0.000	95	78969	5.00	5.17	
92 Styrene	104	8.342	8.342	0.000	96	133359	5.00	5.11	
95 Bromoform	173	8.561	8.561	0.000	95	28480	5.00	4.64	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	203999	5.00	5.13	
101 Bromobenzene	156	8.921	8.921	0.000	94	59053	5.00	5.11	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	94	59827	5.00	5.07	
99 N-Propylbenzene	91	8.951	8.951	0.000	99	255383	5.00	5.21	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	75	16395	5.00	4.83	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	90	16045	5.00	5.01	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	51980	5.00	5.19	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	175763	5.00	5.17	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	53178	5.00	5.08	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	34769	5.00	5.07	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	97	179740	5.00	5.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.549	9.549	0.000	95	225065	5.00	5.02	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	194811	5.00	5.09	
111 1,3-Dichlorobenzene	146	9.695	9.695	0.000	99	109261	5.00	5.12	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	96	112419	5.00	5.15	
115 n-Butylbenzene	91	10.012	10.012	0.000	98	184292	5.00	5.22	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	97	105860	5.00	5.03	
117 1,2-Dibromo-3-Chloropropane	75	10.786	10.786	0.000	82	9610	5.00	4.87	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	74993	5.00	5.04	
120 Hexachlorobutadiene	225	11.518	11.518	0.000	97	38813	5.00	5.26	
121 Naphthalene	128	11.640	11.640	0.000	97	177781	5.00	4.90	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	69936	5.00	4.96	
S 124 Xylenes, Total	1				0			10.3	
S 125 1,2-Dichloroethene, Total	1				0			10.2	
S 126 1,3-Dichloropropene, Total	1				0			10.1	
S 123 Total BTEX	1				0			25.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00195	Amount Added:	5.00	Units: uL	
GAS CORP mix_00421	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

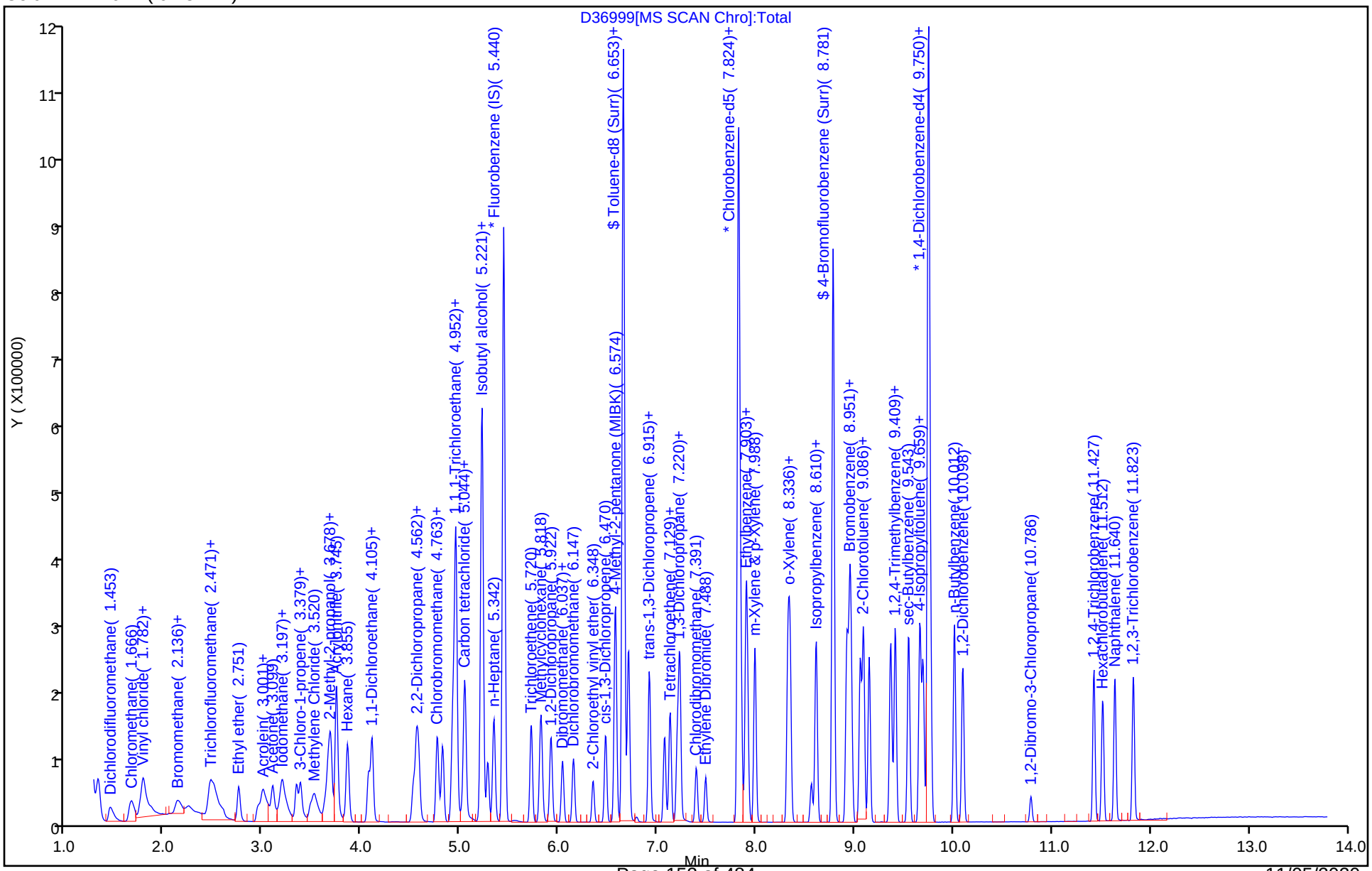
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Eurofins TestAmerica, Buffalo

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Injection Date:	10-Oct-2020 14:02:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

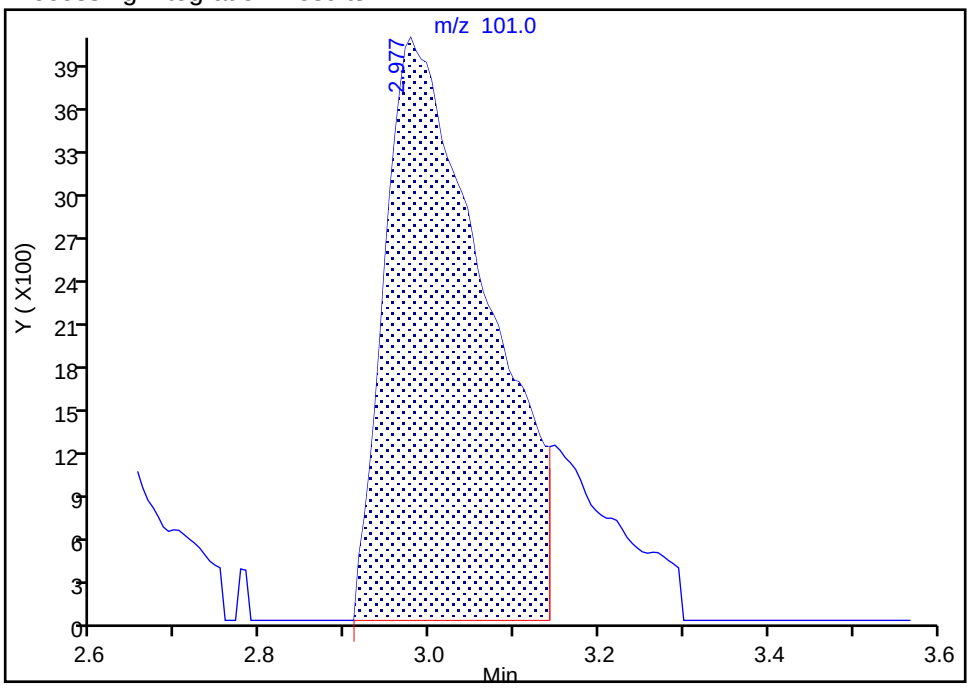
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Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

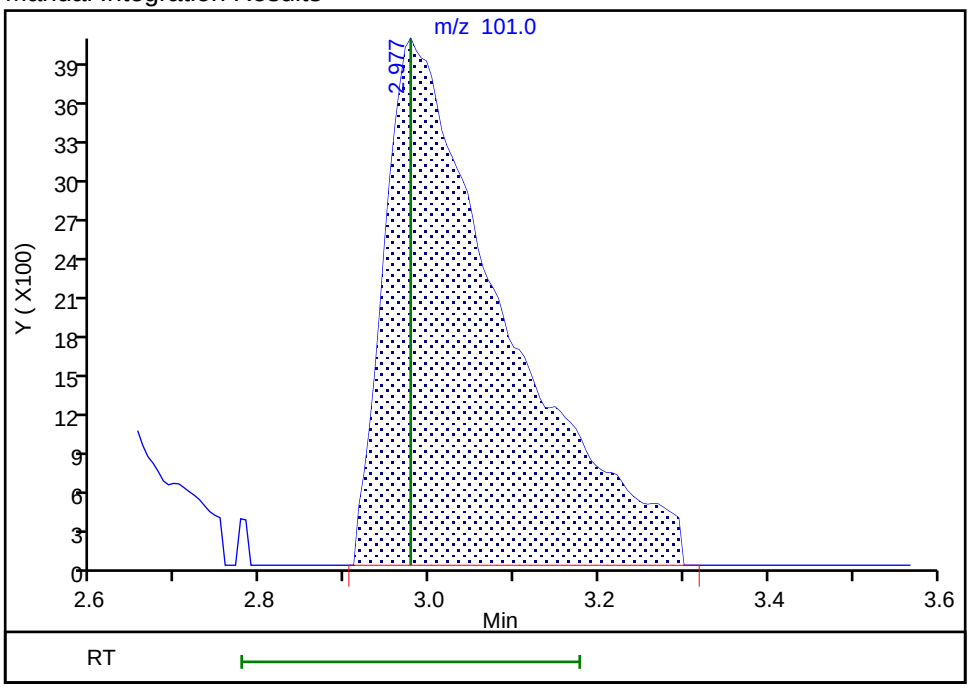
Processing Integration Results

RT: 2.98
Area: 34172
Amount: 4.689573
Amount Units: ug/L



Manual Integration Results

RT: 2.98
Area: 40690
Amount: 5.444911
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:30:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

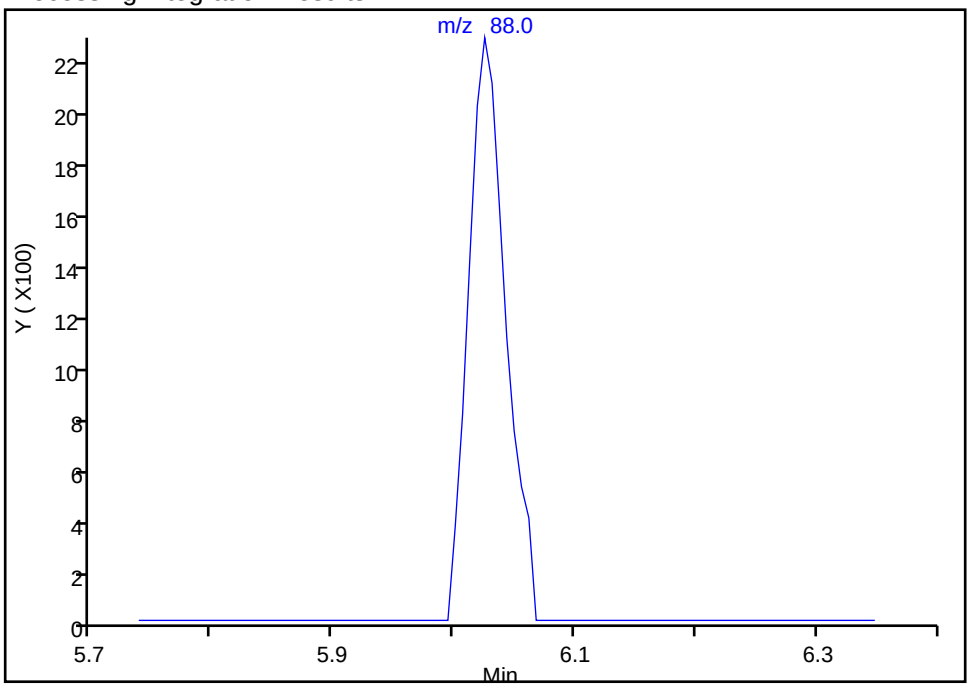
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Injection Date: 10-Oct-2020 14:02:30 Instrument ID: HP5975D
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

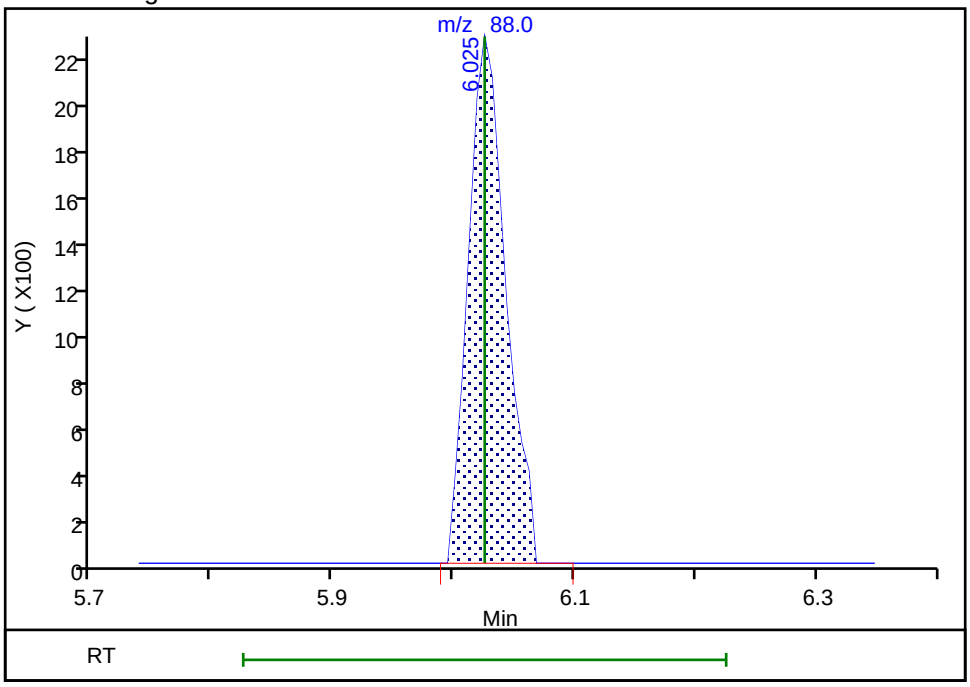
Not Detected
Expected RT: 6.03

Processing Integration Results



Manual Integration Results

RT: 6.03
Area: 4928
Amount: 89.423544
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:30:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37000.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 10-Oct-2020 14:25:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0094037-014
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:54 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:31:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	154781	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.818	0.006	88	328051	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	95	343636	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	92	230342	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.215	5.221	-0.005	100	135609	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	772159	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	271119	25.0	25.1	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	105735	10.0	9.98	
12 Chloromethane	50	1.660	1.660	0.000	99	124489	10.0	9.56	
13 Vinyl chloride	62	1.764	1.758	0.006	98	116750	10.0	10.1	
144 Butadiene	54	1.788	1.788	0.000	94	103054	10.0	10.2	
14 Bromomethane	94	2.142	2.142	0.000	92	68800	10.0	10.2	
15 Chloroethane	64	2.246	2.245	0.001	97	62374	10.0	9.49	
17 Trichlorofluoromethane	101	2.465	2.465	0.000	98	135887	10.0	10.2	
16 Dichlorofluoromethane	67	2.471	2.471	0.000	97	159562	10.0	9.71	
18 Ethyl ether	59	2.752	2.751	0.001	96	73523	10.0	10.3	
20 Acrolein	56	2.941	2.947	-0.006	99	34666	50.0	51.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.977	0.012	95	83430	10.0	11.1	
22 1,1-Dichloroethene	96	3.008	3.001	0.007	96	76604	10.0	10.6	
23 Acetone	43	3.093	3.099	-0.006	98	143342	50.0	49.4	
25 Iodomethane	142	3.185	3.172	0.013	99	156259	10.0	10.5	
26 Carbon disulfide	76	3.197	3.197	0.001	100	269633	10.0	10.4	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	141761	10.0	10.3	
27 Methyl acetate	43	3.374	3.379	-0.005	99	136125	20.0	19.9	
30 Methylene Chloride	84	3.520	3.520	0.000	97	102183	10.0	10.6	
31 2-Methyl-2-propanol	59	3.630	3.629	0.001	98	98365	100.0	107.3	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	98	241272	10.0	10.5	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	96	88224	10.0	10.7	
33 Acrylonitrile	53	3.739	3.745	-0.006	97	334508	100.0	102.2	
35 Hexane	57	3.855	3.855	0.000	94	126554	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.069	4.068	0.001	96	161708	10.0	10.3	
37 Vinyl acetate	43	4.105	4.105	0.000	97	418503	20.0	21.0	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	92	97907	10.0	10.5	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	82	98213	10.0	10.3	
43 2-Butanone (MEK)	43	4.581	4.580	0.001	99	230058	50.0	50.4	
48 Chlorobromomethane	128	4.764	4.763	0.001	97	54984	10.0	10.3	
49 Tetrahydrofuran	42	4.776	4.775	0.001	87	59077	20.0	20.2	
50 Chloroform	83	4.818	4.818	0.000	95	173867	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	139970	10.0	10.7	
52 Cyclohexane	56	4.928	4.928	0.000	94	153432	10.0	10.6	
55 Carbon tetrachloride	117	5.038	5.038	0.000	97	124466	10.0	10.5	
54 1,1-Dichloropropene	75	5.044	5.050	-0.006	94	123256	10.0	10.5	
53 Isobutyl alcohol	43	5.202	5.208	-0.006	92	100167	250.0	262.4	
57 Benzene	78	5.221	5.221	0.001	97	345064	10.0	10.3	
58 1,2-Dichloroethane	62	5.276	5.275	0.001	97	140571	10.0	9.97	
59 n-Heptane	43	5.343	5.342	0.001	95	142041	10.0	10.4	
62 Trichloroethene	95	5.721	5.720	0.001	97	97104	10.0	10.4	
64 Methylcyclohexane	83	5.818	5.818	0.000	95	145215	10.0	10.4	
65 1,2-Dichloropropane	63	5.916	5.922	-0.006	91	93873	10.0	10.3	
66 1,4-Dioxane	88	6.025	6.025	0.000	95	13784	200.0	218.8	
67 Dibromomethane	93	6.038	6.037	0.001	96	66473	10.0	10.3	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	125281	10.0	10.3	
69 2-Chloroethyl vinyl ether	63	6.349	6.348	0.001	93	58334	10.0	10.7	
72 cis-1,3-Dichloropropene	75	6.470	6.476	-0.006	93	143399	10.0	10.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	98	495781	50.0	51.6	
74 Toluene	92	6.708	6.708	0.000	98	223526	10.0	10.3	
77 trans-1,3-Dichloropropene	75	6.916	6.915	0.001	98	139603	10.0	10.7	
75 Ethyl methacrylate	69	6.922	6.921	0.001	91	113228	10.0	10.6	
79 1,1,2-Trichloroethane	83	7.074	7.074	0.000	93	74601	10.0	10.5	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	102684	10.0	10.2	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	97	139601	10.0	10.3	
80 2-Hexanone	43	7.226	7.226	0.000	97	364540	50.0	52.7	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	99676	10.0	10.4	
84 Ethylene Dibromide	107	7.489	7.488	0.001	98	98709	10.0	10.5	
87 Chlorobenzene	112	7.848	7.848	0.000	98	258746	10.0	10.2	
88 Ethylbenzene	91	7.897	7.897	0.000	99	430224	10.0	10.4	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	94	91952	10.0	10.5	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	167921	10.0	10.6	
91 o-Xylene	106	8.324	8.324	0.000	97	161280	10.0	10.4	
92 Styrene	104	8.342	8.342	0.000	95	278276	10.0	10.5	
95 Bromoform	173	8.562	8.561	0.001	96	64340	10.0	10.3	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	425389	10.0	10.4	
101 Bromobenzene	156	8.921	8.921	0.000	92	121378	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	96	124575	10.0	10.2	
99 N-Propylbenzene	91	8.952	8.951	0.001	99	525082	10.0	10.4	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	74	36212	10.0	10.3	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	89	34112	10.0	10.3	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	106188	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	95	363033	10.0	10.4	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	112024	10.0	10.4	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	72543	10.0	10.3	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	97	374716	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.549	9.549	0.000	95	474392	10.0	10.3	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	406758	10.0	10.3	
111 1,3-Dichlorobenzene	146	9.695	9.695	0.000	98	225587	10.0	10.3	
113 1,4-Dichlorobenzene	146	9.769	9.768	0.001	95	229394	10.0	10.2	
115 n-Butylbenzene	91	10.012	10.012	0.000	99	381125	10.0	10.5	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	98	223966	10.0	10.3	
117 1,2-Dibromo-3-Chloropropane	75	10.787	10.786	0.001	82	20654	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	156641	10.0	10.2	
120 Hexachlorobutadiene	225	11.518	11.518	0.000	97	79903	10.0	10.5	
121 Naphthalene	128	11.640	11.640	0.000	97	379260	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	11.829	11.823	0.006	96	149014	10.0	10.3	
S 124 Xylenes, Total	1				0			21.0	
S 125 1,2-Dichloroethene, Total	1				0			21.0	
S 126 1,3-Dichloropropene, Total	1				0			20.9	
S 123 Total BTEX	1				0			52.0	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added:	5.00	Units: uL	
GAS CORP mix_00421	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

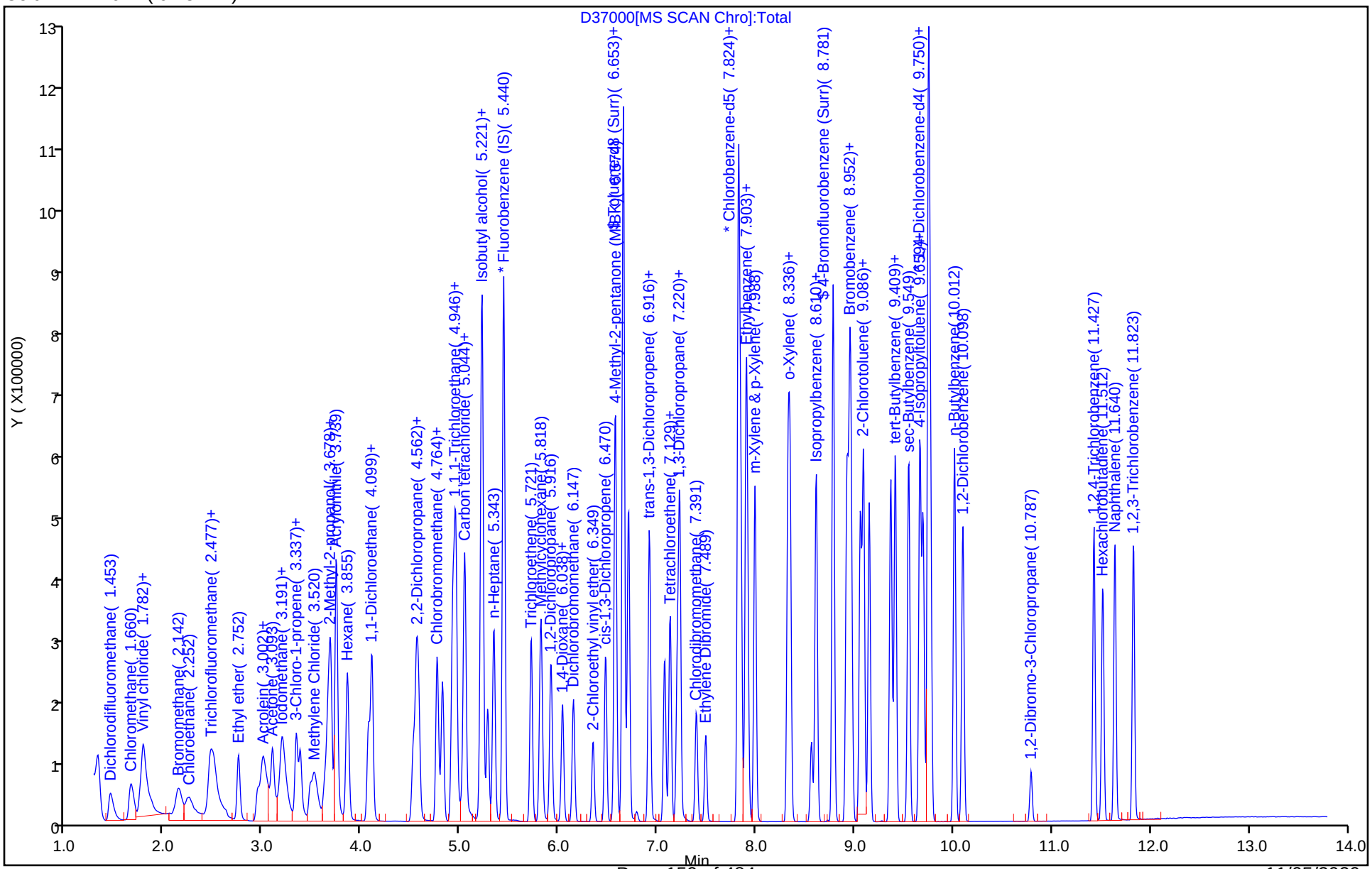
Report Date: 11-Oct-2020 11:14:55 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37000.D

Injection Date:	10-Oct-2020 14:25:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37001.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 10-Oct-2020 14:49:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0094037-015
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:56 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:23:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	156871	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	87	331866	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	95	339488	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	92	236631	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.220	5.220	0.000	99	136798	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	785377	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	273563	25.0	25.0	
10 Dichlorodifluoromethane	85	1.459	1.459	0.000	99	267421	25.0	24.9	
12 Chloromethane	50	1.666	1.666	0.000	99	312428	25.0	23.7	
13 Vinyl chloride	62	1.770	1.770	0.000	98	289604	25.0	24.8	
144 Butadiene	54	1.794	1.794	0.000	94	253420	25.0	24.7	
14 Bromomethane	94	2.148	2.148	0.000	91	176075	25.0	25.6	
15 Chloroethane	64	2.245	2.245	0.000	98	152407	25.0	22.9	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	97	338583	25.0	25.2	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	98	391294	25.0	23.5	
18 Ethyl ether	59	2.751	2.751	0.000	96	179202	25.0	24.8	
20 Acrolein	56	2.947	2.947	0.000	99	83175	125.0	121.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.989	0.000	94	186361	25.0	24.4	
22 1,1-Dichloroethene	96	3.008	3.008	0.000	95	187654	25.0	25.6	
23 Acetone	43	3.099	3.099	0.000	98	341248	125.0	116.1	
25 Iodomethane	142	3.184	3.184	0.000	98	378250	25.0	25.1	
26 Carbon disulfide	76	3.203	3.203	0.000	100	660509	25.0	25.2	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	340146	25.0	24.3	
27 Methyl acetate	43	3.379	3.379	0.000	99	330390	50.0	47.7	
30 Methylene Chloride	84	3.520	3.520	0.000	98	235859	25.0	25.2	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	98	237377	250.0	255.5	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	98	592684	25.0	25.4	
34 trans-1,2-Dichloroethene	96	3.690	3.690	0.000	96	214753	25.0	25.6	
33 Acrylonitrile	53	3.745	3.745	0.000	98	811811	250.0	244.7	
35 Hexane	57	3.855	3.855	0.000	95	307732	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	97	401756	25.0	25.3	
37 Vinyl acetate	43	4.105	4.105	0.000	97	1050524	50.0	51.9	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	95	235348	25.0	24.8	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	84	241084	25.0	25.0	
43 2-Butanone (MEK)	43	4.580	4.580	0.000	99	565114	125.0	122.2	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	134906	25.0	24.9	
49 Tetrahydrofuran	42	4.775	4.775	0.000	86	140572	50.0	47.4	
50 Chloroform	83	4.818	4.818	0.000	95	419493	25.0	24.1	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	342793	25.0	25.8	
52 Cyclohexane	56	4.928	4.928	0.000	93	368985	25.0	25.2	
55 Carbon tetrachloride	117	5.038	5.038	0.000	98	305576	25.0	25.5	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	94	302393	25.0	25.5	
53 Isobutyl alcohol	43	5.202	5.202	0.000	92	240180	625.0	620.8	
57 Benzene	78	5.220	5.220	0.000	97	843715	25.0	24.8	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	98	346402	25.0	24.2	
59 n-Heptane	43	5.342	5.342	0.000	95	340488	25.0	24.6	
62 Trichloroethene	95	5.720	5.720	0.000	97	239734	25.0	25.3	
64 Methylcyclohexane	83	5.818	5.818	0.000	95	353615	25.0	25.0	
65 1,2-Dichloropropane	63	5.922	5.922	0.000	92	231007	25.0	25.0	
66 1,4-Dioxane	88	6.025	6.025	0.000	98	31344	500.0	472.2	
67 Dibromomethane	93	6.037	6.037	0.000	96	163106	25.0	25.0	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	314935	25.0	25.6	
69 2-Chloroethyl vinyl ether	63	6.348	6.348	0.000	94	143883	25.0	26.2	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	92	363694	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	98	1230110	125.0	126.6	
74 Toluene	92	6.708	6.708	0.000	98	542693	25.0	24.8	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	349171	25.0	26.3	
75 Ethyl methacrylate	69	6.921	6.921	0.000	91	287113	25.0	26.4	
79 1,1,2-Trichloroethane	83	7.074	7.074	0.000	92	183254	25.0	25.5	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	252719	25.0	24.8	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	342149	25.0	25.0	
80 2-Hexanone	43	7.226	7.226	0.000	98	891176	125.0	127.3	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	257741	25.0	26.5	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	241875	25.0	25.5	
87 Chlorobenzene	112	7.842	7.842	0.000	95	633818	25.0	24.8	
88 Ethylbenzene	91	7.897	7.897	0.000	99	1056047	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	95	232837	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	409782	25.0	25.5	
91 o-Xylene	106	8.324	8.324	0.000	97	397614	25.0	25.3	
92 Styrene	104	8.342	8.342	0.000	95	682071	25.0	25.5	
95 Bromoform	173	8.561	8.561	0.000	97	171090	25.0	27.2	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	1033481	25.0	25.5	
101 Bromobenzene	156	8.921	8.921	0.000	93	294019	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	95	307959	25.0	25.6	
99 N-Propylbenzene	91	8.951	8.951	0.000	99	1270826	25.0	25.5	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	75	92583	25.0	26.8	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	88	81948	25.0	25.2	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	259303	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	95	883194	25.0	25.5	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	268128	25.0	25.2	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	175661	25.0	25.2	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	98	906580	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	1150199	25.0	25.2	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	982268	25.0	25.2	
111 1,3-Dichlorobenzene	146	9.695	9.695	0.000	98	542435	25.0	25.0	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	97	552397	25.0	24.9	
115 n-Butylbenzene	91	10.012	10.012	0.000	99	922282	25.0	25.7	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	99	537322	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	10.786	10.786	0.000	85	52761	25.0	26.3	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	387701	25.0	25.6	
120 Hexachlorobutadiene	225	11.518	11.518	0.000	97	196879	25.0	26.2	
121 Naphthalene	128	11.640	11.640	0.000	97	952026	25.0	25.8	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	365327	25.0	25.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added: 12.50	Units: uL	
GAS CORP mix_00421	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

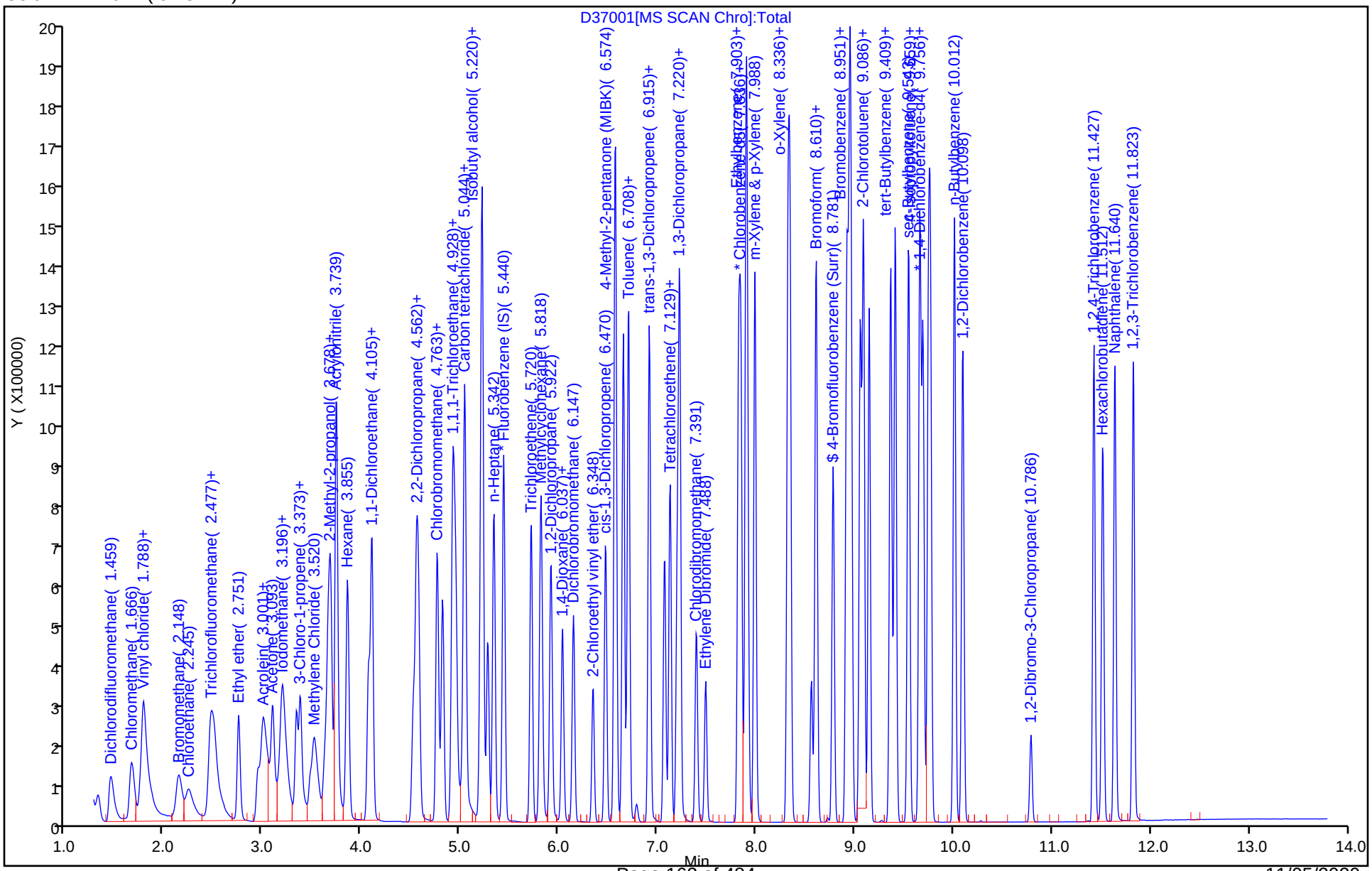
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37001.D

Injection Date:	10-Oct-2020 14:49:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37002.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 10-Oct-2020 15:12:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0094037-016
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:58 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:32:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	157845	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.824	-0.006	87	336644	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	95	353356	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	94	234057	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.220	-0.006	96	136730	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	94	793759	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	281006	25.0	25.4	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	99	537908	50.0	49.8	
12 Chloromethane	50	1.666	1.666	0.000	99	635421	50.0	47.9	
13 Vinyl chloride	62	1.764	1.770	-0.006	98	588906	50.0	50.1	
144 Butadiene	54	1.800	1.794	0.006	93	530939	50.0	51.5	
14 Bromomethane	94	2.148	2.148	0.000	91	315287	50.0	45.6	
15 Chloroethane	64	2.245	2.245	0.000	99	301994	50.0	45.1	
17 Trichlorofluoromethane	101	2.477	2.471	0.006	97	670654	50.0	49.6	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	97	784991	50.0	46.9	
18 Ethyl ether	59	2.751	2.751	0.000	96	355986	50.0	48.9	
20 Acrolein	56	2.940	2.947	-0.007	99	179289	250.0	260.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.995	2.989	0.006	95	402592	50.0	52.4	
22 1,1-Dichloroethene	96	3.014	3.008	0.006	97	368119	50.0	50.0	
23 Acetone	43	3.093	3.099	-0.006	98	720856	250.0	243.6	
25 Iodomethane	142	3.184	3.184	0.000	98	797772	50.0	52.6	
26 Carbon disulfide	76	3.203	3.203	0.000	100	1323582	50.0	50.1	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	88	691655	50.0	49.1	
27 Methyl acetate	43	3.373	3.379	-0.006	99	673243	100.0	96.7	
30 Methylene Chloride	84	3.520	3.520	0.000	97	462058	50.0	49.9	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	99	515947	500.0	551.8	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	99	1182864	50.0	50.3	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	96	429011	50.0	50.9	
33 Acrylonitrile	53	3.739	3.745	-0.006	97	1678369	500.0	502.8	
35 Hexane	57	3.855	3.855	0.000	95	598850	50.0	49.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	97	788350	50.0	49.3	
37 Vinyl acetate	43	4.099	4.105	-0.006	97	2112734	100.0	103.8	
44 2,2-Dichloropropane	77	4.525	4.526	-0.001	92	486792	50.0	51.0	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	82	478218	50.0	49.2	
43 2-Butanone (MEK)	43	4.574	4.580	-0.006	99	1150308	250.0	247.3	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	268022	50.0	49.3	
49 Tetrahydrofuran	42	4.769	4.775	-0.006	87	282863	100.0	94.8	
50 Chloroform	83	4.818	4.818	0.000	95	825740	50.0	47.2	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	700257	50.0	52.3	
52 Cyclohexane	56	4.928	4.928	0.000	94	731610	50.0	49.7	
55 Carbon tetrachloride	117	5.038	5.038	0.000	98	632688	50.0	52.5	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	93	591843	50.0	49.6	
53 Isobutyl alcohol	43	5.202	5.202	0.000	92	533702	1250.0	1371.0	
57 Benzene	78	5.220	5.220	0.000	98	1657952	50.0	48.5	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	98	680604	50.0	47.3	
59 n-Heptane	43	5.336	5.342	-0.006	96	662442	50.0	47.6	
62 Trichloroethene	95	5.714	5.720	-0.006	97	476521	50.0	50.0	
64 Methylcyclohexane	83	5.818	5.818	0.000	95	716198	50.0	50.3	
65 1,2-Dichloropropane	63	5.915	5.922	-0.007	92	457840	50.0	49.3	
66 1,4-Dioxane	88	6.025	6.025	0.000	96	76633	1000.0	1115.7	
67 Dibromomethane	93	6.037	6.037	0.000	96	326588	50.0	49.8	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	648348	50.0	52.3	
69 2-Chloroethyl vinyl ether	63	6.342	6.348	-0.006	93	281702	50.0	50.9	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	94	741788	50.0	52.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.574	-0.006	98	2446153	250.0	248.2	
74 Toluene	92	6.708	6.708	0.000	98	1088362	50.0	49.1	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	706864	50.0	52.6	
75 Ethyl methacrylate	69	6.921	6.921	0.000	91	581126	50.0	52.8	
79 1,1,2-Trichloroethane	83	7.068	7.074	-0.006	92	367686	50.0	50.4	
81 Tetrachloroethene	166	7.129	7.129	0.000	96	510168	50.0	49.4	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	97	683948	50.0	49.2	
80 2-Hexanone	43	7.226	7.226	0.000	98	1774825	250.0	250.0	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	535781	50.0	54.3	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	485952	50.0	50.6	
87 Chlorobenzene	112	7.842	7.842	0.000	95	1258876	50.0	48.6	
88 Ethylbenzene	91	7.897	7.897	0.000	99	2101992	50.0	49.7	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	95	471835	50.0	52.4	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	813785	50.0	50.0	
91 o-Xylene	106	8.324	8.324	0.000	97	795725	50.0	50.0	
92 Styrene	104	8.342	8.342	0.000	95	1381837	50.0	50.9	
95 Bromoform	173	8.561	8.561	0.000	96	366329	50.0	57.3	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	2077306	50.0	49.3	
101 Bromobenzene	156	8.921	8.921	0.000	92	599685	50.0	48.9	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	95	622887	50.0	49.8	
99 N-Propylbenzene	91	8.951	8.951	0.000	99	2555038	50.0	49.2	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	76	191170	50.0	53.1	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	87	167873	50.0	49.5	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	517609	50.0	48.8	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	95	1795177	50.0	49.9	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	545839	50.0	49.3	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	358991	50.0	49.4	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	98	1838012	50.0	49.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	2338585	50.0	49.3	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	2022923	50.0	49.9	
111 1,3-Dichlorobenzene	146	9.689	9.695	-0.006	98	1115959	50.0	49.4	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	96	1134507	50.0	49.0	
115 n-Butylbenzene	91	10.012	10.012	0.000	98	1902383	50.0	50.9	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	99	1109160	50.0	49.8	
117 1,2-Dibromo-3-Chloropropane	75	10.786	10.786	0.000	85	113128	50.0	54.1	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	807602	50.0	51.2	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	98	412314	50.0	52.8	
121 Naphthalene	128	11.640	11.640	0.000	97	1991107	50.0	51.8	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	770042	50.0	51.6	
S 124 Xylenes, Total	1				0			100.0	
S 125 1,2-Dichloroethene, Total	1				0			100.0	
S 126 1,3-Dichloropropene, Total	1				0			104.7	
S 123 Total BTEX	1				0			247.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added:	25.00	Units: uL	
GAS CORP mix_00421	Amount Added:	25.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

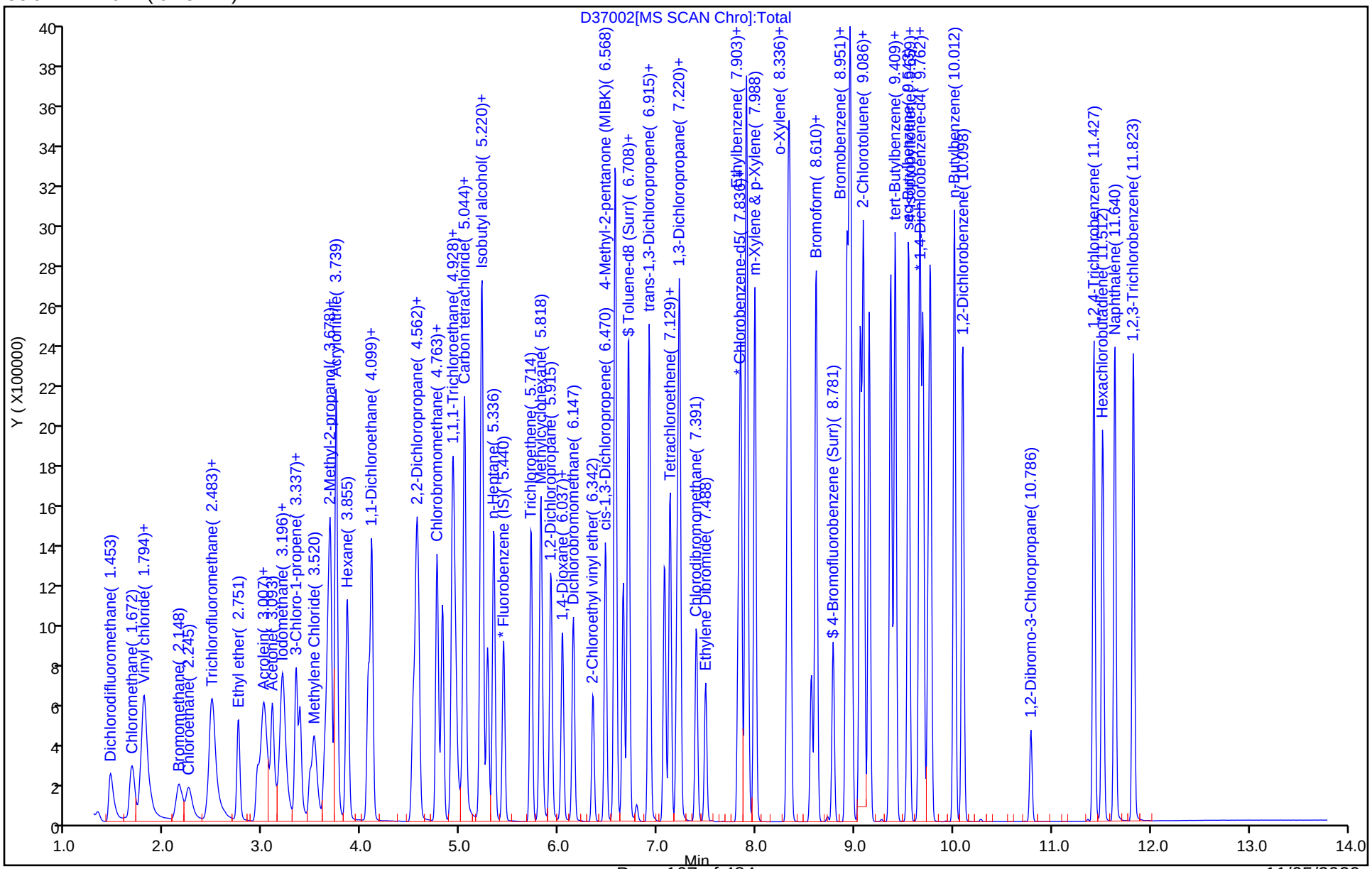
Report Date: 11-Oct-2020 11:14:58 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37002.D

Injection Date:	10-Oct-2020 15:12:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37003.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 10-Oct-2020 15:35:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0094037-017
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:15:00 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:33:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	158355	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.824	-0.006	89	340443	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	95	358008	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	93	232132	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.220	-0.006	95	136011	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	94	788791	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	284139	25.0	25.4	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	99	1094625	100.0	101.0	
12 Chloromethane	50	1.672	1.666	0.006	99	1256143	100.0	94.3	
13 Vinyl chloride	62	1.770	1.770	0.000	98	1160739	100.0	98.4	
144 Butadiene	54	1.788	1.794	-0.006	97	1027597	100.0	99.3	
14 Bromomethane	94	2.148	2.148	0.000	91	718336	100.0	103.6	
15 Chloroethane	64	2.245	2.245	0.000	98	596117	100.0	88.7	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	98	1338390	100.0	98.6	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	98	1555040	100.0	92.5	
18 Ethyl ether	59	2.751	2.751	0.000	97	699361	100.0	95.8	
20 Acrolein	56	2.940	2.947	-0.007	99	356236	500.0	516.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.989	0.000	95	769601	100.0	99.8	
22 1,1-Dichloroethene	96	3.008	3.008	0.000	97	743026	100.0	100.6	
23 Acetone	43	3.093	3.099	-0.006	98	1372526	500.0	462.4	
25 Iodomethane	142	3.184	3.184	0.000	99	1550811	100.0	102.0	
26 Carbon disulfide	76	3.197	3.203	-0.007	100	2595667	100.0	97.9	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	88	1325729	100.0	93.8	
27 Methyl acetate	43	3.373	3.379	-0.006	99	1328086	200.0	190.1	
30 Methylene Chloride	84	3.520	3.520	0.000	96	912430	100.0	99.1	
31 2-Methyl-2-propanol	59	3.623	3.629	-0.006	99	979874	1000.0	1044.7	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	98	2342774	100.0	99.3	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	96	841543	100.0	99.4	
33 Acrylonitrile	53	3.739	3.745	-0.006	98	3271955	1000.0	977.1	
35 Hexane	57	3.855	3.855	0.000	95	1169162	100.0	95.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	97	1537809	100.0	95.9	
37 Vinyl acetate	43	4.099	4.105	-0.006	97	4194601	200.0	205.4	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	92	922092	100.0	96.2	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	84	934830	100.0	95.9	
43 2-Butanone (MEK)	43	4.574	4.580	-0.006	99	2253070	500.0	482.8	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	527705	100.0	96.7	
49 Tetrahydrofuran	42	4.769	4.775	-0.006	87	560257	200.0	187.2	
50 Chloroform	83	4.818	4.818	0.000	95	1617813	100.0	92.3	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	99	1338273	100.0	99.6	
52 Cyclohexane	56	4.928	4.928	0.000	95	1414940	100.0	95.8	
55 Carbon tetrachloride	117	5.038	5.038	0.000	98	1246500	100.0	103.1	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	96	1156045	100.0	96.7	
53 Isobutyl alcohol	43	5.202	5.202	0.000	92	1029788	2500.0	2636.8	
57 Benzene	78	5.221	5.220	0.000	98	3242805	100.0	94.5	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	98	1316237	100.0	91.2	
59 n-Heptane	43	5.336	5.342	-0.006	95	1288749	100.0	92.3	
62 Trichloroethene	95	5.714	5.720	-0.006	97	931264	100.0	97.4	
64 Methylcyclohexane	83	5.818	5.818	0.000	94	1372605	100.0	96.2	
65 1,2-Dichloropropane	63	5.915	5.922	-0.007	92	891189	100.0	95.7	
66 1,4-Dioxane	88	6.025	6.025	0.000	97	133031	2000.0	1903.9	
67 Dibromomethane	93	6.037	6.037	0.000	96	640406	100.0	97.3	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	1284556	100.0	103.3	
69 2-Chloroethyl vinyl ether	63	6.342	6.348	-0.006	93	581613	100.0	104.7	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	94	1455539	100.0	102.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.574	-0.006	98	4814623	500.0	483.1	
74 Toluene	92	6.708	6.708	0.000	98	2147649	100.0	95.8	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	1432760	100.0	105.4	
75 Ethyl methacrylate	69	6.921	6.921	0.000	91	1175721	100.0	105.6	
79 1,1,2-Trichloroethane	83	7.068	7.074	-0.006	92	731840	100.0	99.3	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	995289	100.0	95.4	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	1356982	100.0	96.5	
80 2-Hexanone	43	7.226	7.226	0.000	97	3517635	500.0	489.9	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	1110575	100.0	111.4	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	975461	100.0	100.4	
87 Chlorobenzene	112	7.842	7.842	0.000	97	2516918	100.0	96.1	
88 Ethylbenzene	91	7.897	7.897	0.000	99	4177530	100.0	97.6	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	95	954373	100.0	104.8	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	1623284	100.0	98.5	
91 o-Xylene	106	8.324	8.324	0.000	97	1594870	100.0	99.1	
92 Styrene	104	8.342	8.342	0.000	94	2774376	100.0	101.1	
95 Bromoform	173	8.561	8.561	0.000	97	783379	100.0	121.2	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	4155674	100.0	97.4	
101 Bromobenzene	156	8.915	8.921	-0.006	97	1198106	100.0	96.5	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	95	1254964	100.0	99.0	
99 N-Propylbenzene	91	8.951	8.951	0.000	99	5086188	100.0	96.7	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	76	398039	100.0	109.2	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	87	332985	100.0	96.9	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	1029484	100.0	95.8	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	95	3574751	100.0	98.0	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	1089355	100.0	97.0	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	712117	100.0	96.8	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	98	3674957	100.0	97.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.549	9.543	0.006	95	4634612	100.0	96.4	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	4003819	100.0	97.5	
111 1,3-Dichlorobenzene	146	9.695	9.695	0.000	99	2216150	100.0	96.8	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	95	2260179	100.0	96.4	
115 n-Butylbenzene	91	10.012	10.012	0.000	98	3771641	100.0	99.6	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	99	2217231	100.0	98.2	
117 1,2-Dibromo-3-Chloropropane	75	10.786	10.786	0.000	91	236114	100.0	111.4	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	1652306	100.0	103.5	
120 Hexachlorobutadiene	225	11.518	11.518	0.000	97	795673	100.0	100.6	
121 Naphthalene	128	11.640	11.640	0.000	97	3992133	100.0	102.4	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	96	1555587	100.0	102.8	
S 124 Xylenes, Total	1				0			197.7	
S 125 1,2-Dichloroethene, Total	1				0			195.3	
S 126 1,3-Dichloropropene, Total	1				0			207.4	
S 123 Total BTEX	1				0			485.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added: 50.00	Units: uL	
GAS CORP mix_00421	Amount Added: 50.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

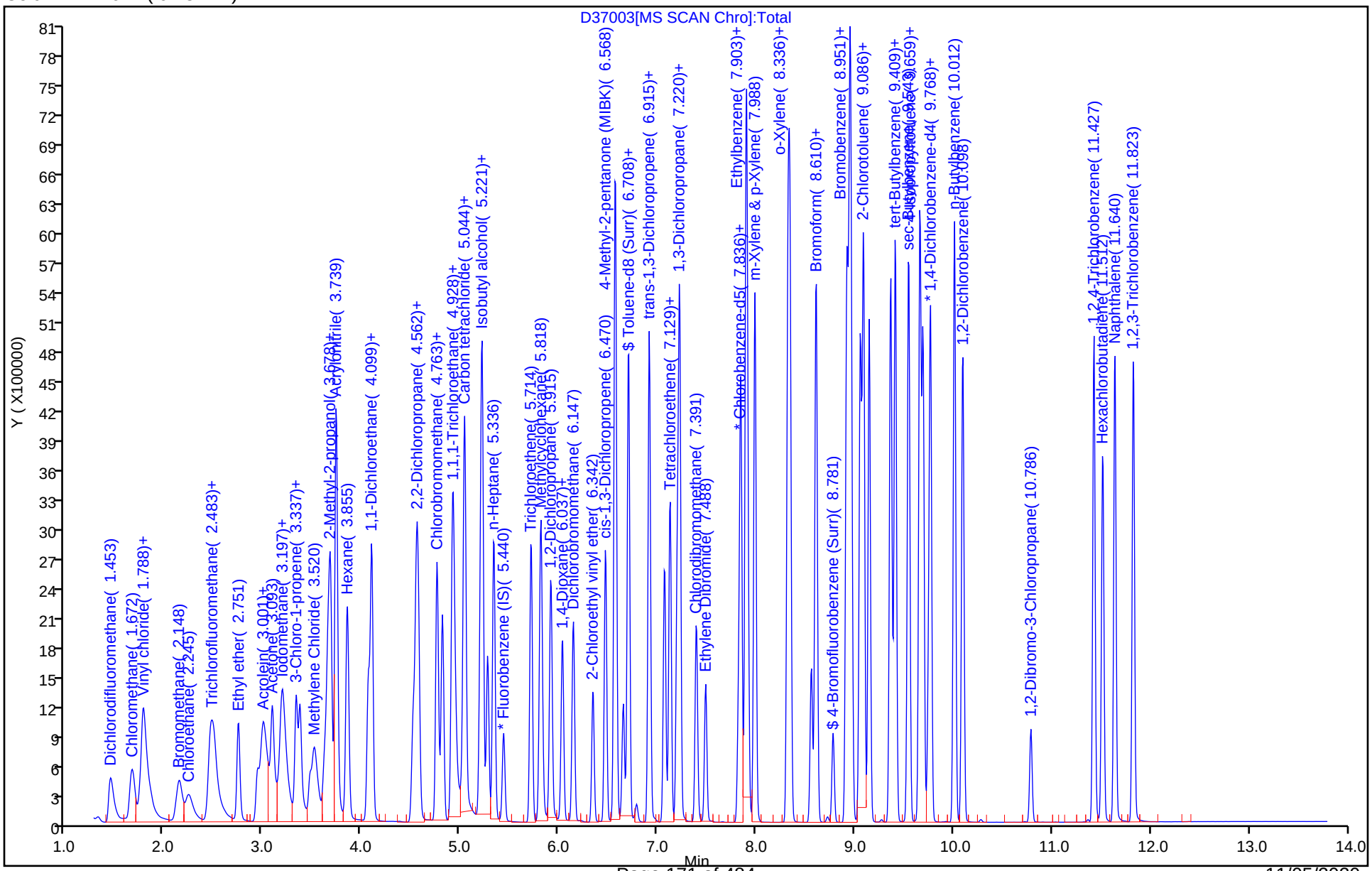
Report Date: 11-Oct-2020 11:15:00 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37003.D

Injection Date:	10-Oct-2020 15:35:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: ICV 480-553342/31 Calibration Date: 10/10/2020 21:01

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37017.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
Dichlorodifluoromethane	Ave	1.711	1.799	0.1000	26.3	25.0	5.1	50.0
Chloromethane	Ave	2.102	2.057	0.1000	24.5	25.0	-2.1	30.0
Vinyl chloride	Ave	1.862	1.922	0.1000	25.8	25.0	3.2	30.0
Butadiene	Ave	1.634	1.752		26.8	25.0	7.2	30.0
Bromomethane	Ave	1.094	1.205	0.1000	27.5	25.0	10.1	50.0
Chloroethane	Ave	1.061	1.021	0.1000	24.1	25.0	-3.8	50.0
Trichlorofluoromethane	Ave	2.142	2.215	0.1000	25.9	25.0	3.4	30.0
Dichlorofluoromethane	Ave	2.653	2.577		24.3	25.0	-2.9	30.0
Ethyl ether	Ave	1.152	1.158		25.1	25.0	0.5	30.0
Acrolein	Ave	0.1089	0.1055		121	125	-3.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.218	1.300	0.1000	26.7	25.0	6.8	30.0
1,1-Dichloroethene	Ave	1.166	1.273	0.1000	27.3	25.0	9.1	30.0
Acetone	Ave	0.4686	0.4485	0.1000	120	125	-4.3	50.0
Iodomethane	Ave	2.400	2.647		27.6	25.0	10.3	30.0
Carbon disulfide	Ave	4.185	4.556	0.1000	27.2	25.0	8.9	30.0
Allyl chloride	Ave	2.232	2.297		25.7	25.0	2.9	30.0
Methyl acetate	Ave	1.103	1.094	0.1000	49.6	50.0	-0.7	50.0
Methylene Chloride	Lin1		1.544	0.1000	26.0	25.0	3.8	30.0
2-Methyl-2-propanol	Ave	0.1481	0.1544		261	250	4.3	50.0
Methyl tert-butyl ether	Ave	3.725	3.856	0.1000	25.9	25.0	3.5	30.0
trans-1,2-Dichloroethene	Ave	1.336	1.424	0.1000	26.6	25.0	6.6	30.0
Acrylonitrile	Ave	0.5287	0.5444		257	250	3.0	30.0
Hexane	Ave	1.926	1.977		25.7	25.0	2.6	30.0
1,1-Dichloroethane	Ave	2.531	2.604	0.2000	25.7	25.0	2.9	30.0
Vinyl acetate	Ave	3.224	3.233		50.1	50.0	0.3	30.0
2,2-Dichloropropane	Ave	1.513	1.388		22.9	25.0	-8.3	30.0
cis-1,2-Dichloroethene	Ave	1.540	1.557	0.1000	25.3	25.0	1.1	30.0
2-Butanone (MEK)	Ave	0.7367	0.7373	0.1000	125	125	0.0	30.0
Chlorobromomethane	Ave	0.8619	0.8762		25.4	25.0	1.7	30.0
Tetrahydrofuran	Ave	0.4724	0.4672		49.4	50.0	-1.1	30.0
Chloroform	Ave	2.769	2.691	0.2000	24.3	25.0	-2.8	30.0
1,1,1-Trichloroethane	Ave	2.121	2.272	0.1000	26.8	25.0	7.1	30.0
Cyclohexane	Ave	2.331	2.501	0.1000	26.8	25.0	7.3	30.0
Carbon tetrachloride	Ave	1.909	1.942	0.1000	25.4	25.0	1.7	30.0
1,1-Dichloropropene	Ave	1.888	1.964		26.0	25.0	4.0	30.0
Isobutyl alcohol	Ave	0.0617	0.0641		650	625	4.0	50.0
Benzene	Ave	5.415	5.471	0.5000	25.3	25.0	1.0	30.0
1,2-Dichloroethane	Ave	2.278	2.214	0.1000	24.3	25.0	-2.8	30.0
n-Heptane	Ave	2.205	2.119		24.0	25.0	-3.9	30.0
Trichloroethene	Ave	1.509	1.550	0.2000	25.7	25.0	2.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: ICV 480-553342/31 Calibration Date: 10/10/2020 21:01

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37017.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
Methylcyclohexane	Ave	2.253	2.319	0.1000	25.7	25.0	2.9	30.0
1,2-Dichloropropane	Ave	1.471	1.483	0.1000	25.2	25.0	0.8	30.0
1,4-Dioxane	Lin1		0.0043		428	500	-14.5	50.0
Dibromomethane	Ave	1.039	1.056	0.1000	25.4	25.0	1.6	30.0
Bromodichloromethane	Ave	1.964	2.030	0.2000	25.9	25.0	3.4	30.0
2-Chloroethyl vinyl ether	Ave	0.8768	0.9898		28.2	25.0	12.9	30.0
cis-1,3-Dichloropropene	Ave	2.252	2.304	0.2000	25.6	25.0	2.3	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7319	0.7355	0.1000	126	125	0.5	30.0
Toluene	Ave	1.647	1.662	0.4000	25.2	25.0	0.9	30.0
trans-1,3-Dichloropropene	Ave	0.998	1.027	0.1000	25.7	25.0	2.9	30.0
Ethyl methacrylate	Ave	0.8178	0.8655		26.5	25.0	5.8	30.0
1,1,2-Trichloroethane	Ave	0.5412	0.5523	0.1000	25.5	25.0	2.0	30.0
Tetrachloroethene	Ave	0.7664	0.7679	0.2000	25.0	25.0	0.2	30.0
1,3-Dichloropropane	Ave	1.033	1.038		25.1	25.0	0.5	30.0
2-Hexanone	Ave	0.5273	0.5355	0.1000	127	125	1.6	30.0
Dibromochloromethane	Ave	0.7324	0.7761	0.1000	26.5	25.0	6.0	30.0
1,2-Dibromoethane	Ave	0.7134	0.7302		25.6	25.0	2.4	30.0
Chlorobenzene	Ave	1.924	1.918	0.5000	24.9	25.0	-0.3	30.0
Ethylbenzene	Ave	3.143	3.181	0.1000	25.3	25.0	1.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6684	0.7016		26.2	25.0	5.0	30.0
m,p-Xylene	Ave	1.210	1.230	0.1000	25.4	25.0	1.7	30.0
o-Xylene	Ave	1.182	1.195	0.3000	25.3	25.0	1.1	30.0
Styrene	Ave	2.015	2.049	0.3000	25.4	25.0	1.7	30.0
Bromoform	Ave	0.4747	0.5111	0.1000	26.9	25.0	7.7	50.0
Isopropylbenzene	Ave	2.979	3.079	0.1000	25.8	25.0	3.3	30.0
Bromobenzene	Ave	0.8670	0.8724		25.2	25.0	0.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8851	0.8912	0.3000	25.2	25.0	0.7	30.0
N-Propylbenzene	Ave	3.674	3.743		25.5	25.0	1.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2546	0.2596		25.5	25.0	2.0	50.0
1,2,3-Trichloropropane	Ave	0.2399	0.2461		25.6	25.0	2.6	30.0
2-Chlorotoluene	Ave	0.7502	0.7645		25.5	25.0	1.9	30.0
1,3,5-Trimethylbenzene	Ave	2.546	2.630		25.8	25.0	3.3	30.0
4-Chlorotoluene	Ave	0.7840	0.7903		25.2	25.0	0.8	30.0
tert-Butylbenzene	Ave	0.5138	0.5204		25.3	25.0	1.3	30.0
1,2,4-Trimethylbenzene	Ave	2.647	2.666		25.2	25.0	0.7	30.0
sec-Butylbenzene	Ave	3.358	3.398		25.3	25.0	1.2	30.0
4-Isopropyltoluene	Ave	2.867	2.893		25.2	25.0	0.9	30.0
1,3-Dichlorobenzene	Ave	1.598	1.600	0.6000	25.0	25.0	0.1	30.0
1,4-Dichlorobenzene	Ave	1.637	1.626	0.5000	24.8	25.0	-0.6	30.0
n-Butylbenzene	Ave	2.645	2.694		25.5	25.0	1.9	30.0
1,2-Dichlorobenzene	Ave	1.577	1.580	0.4000	25.1	25.0	0.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: ICV 480-553342/31 Calibration Date: 10/10/2020 21:01

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37017.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-Dibromo-3-Chloropropane	Ave	0.1480	0.1551	0.0500	26.2	25.0	4.8	50.0
1,2,4-Trichlorobenzene	Ave	1.115	1.104	0.2000	24.7	25.0	-1.0	30.0
Hexachlorobutadiene	Ave	0.5526	0.5582		25.3	25.0	1.0	30.0
Naphthalene	Ave	2.722	2.722		25.0	25.0	0.0	30.0
1,2,3-Trichlorobenzene	Ave	1.057	1.040		24.6	25.0	-1.5	30.0
Dibromofluoromethane (Surr)	Ave	1.491	1.484		24.9	25.0	-0.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8758	0.8613		24.6	25.0	-1.7	30.0
Toluene-d8 (Surr)	Ave	2.362	2.319		24.5	25.0	-1.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8230	0.8100		24.6	25.0	-1.6	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37017.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 10-Oct-2020 21:01:30 ALS Bottle#: 31 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0094037-031
Operator ID: LH Instrument ID: HP5975D
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:15:16 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 11:12:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	159027	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.818	-0.006	87	344451	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	350542	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	-0.006	94	236017	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.220	-0.011	98	136972	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.647	6.653	-0.006	94	798849	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.781	-0.006	92	279022	25.0	24.6	
10 Dichlorodifluoromethane	85	1.447	1.459	-0.012	99	286104	25.0	26.3	
12 Chloromethane	50	1.660	1.666	-0.006	99	327188	25.0	24.5	
13 Vinyl chloride	62	1.758	1.770	-0.012	98	305620	25.0	25.8	
144 Butadiene	54	1.788	1.794	-0.006	93	278594	25.0	26.8	
14 Bromomethane	94	2.136	2.148	-0.012	91	191628	25.0	27.5	
15 Chloroethane	64	2.240	2.245	-0.005	98	162427	25.0	24.1	
17 Trichlorofluoromethane	101	2.465	2.471	-0.006	98	352321	25.0	25.9	
16 Dichlorofluoromethane	67	2.471	2.477	-0.006	98	409826	25.0	24.3	
18 Ethyl ether	59	2.746	2.751	-0.005	97	184144	25.0	25.1	
20 Acrolein	56	2.935	2.947	-0.012	99	83904	125.0	121.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.989	-0.012	96	206808	25.0	26.7	
22 1,1-Dichloroethene	96	3.002	3.008	-0.006	96	202428	25.0	27.3	
23 Acetone	43	3.087	3.099	-0.012	98	356640	125.0	119.6	
25 Iodomethane	142	3.172	3.184	-0.012	99	420971	25.0	27.6	
26 Carbon disulfide	76	3.197	3.203	-0.006	100	724491	25.0	27.2	
28 3-Chloro-1-propene	41	3.331	3.337	-0.006	88	365337	25.0	25.7	
27 Methyl acetate	43	3.367	3.379	-0.012	99	348106	50.0	49.6	
30 Methylene Chloride	84	3.508	3.520	-0.012	97	245572	25.0	26.0	
31 2-Methyl-2-propanol	59	3.617	3.629	-0.012	94	245606	250.0	260.7	
32 Methyl tert-butyl ether	73	3.654	3.666	-0.012	98	613163	25.0	25.9	
34 trans-1,2-Dichloroethene	96	3.678	3.690	-0.012	96	226506	25.0	26.6	
33 Acrylonitrile	53	3.733	3.745	-0.012	97	865768	250.0	257.4	
35 Hexane	57	3.849	3.855	-0.006	95	314363	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.068	-0.006	97	414082	25.0	25.7	
37 Vinyl acetate	43	4.093	4.105	-0.012	97	1028364	50.0	50.1	
44 2,2-Dichloropropane	77	4.520	4.526	-0.006	92	220761	25.0	22.9	
45 cis-1,2-Dichloroethene	96	4.550	4.556	-0.006	84	247552	25.0	25.3	
43 2-Butanone (MEK)	43	4.568	4.580	-0.012	99	586249	125.0	125.1	
48 Chlorobromomethane	128	4.757	4.763	-0.006	97	139338	25.0	25.4	
49 Tetrahydrofuran	42	4.764	4.775	-0.011	87	148594	50.0	49.4	
50 Chloroform	83	4.812	4.818	-0.006	95	427979	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.916	4.922	-0.006	98	361270	25.0	26.8	
52 Cyclohexane	56	4.922	4.928	-0.006	94	397709	25.0	26.8	
55 Carbon tetrachloride	117	5.032	5.038	-0.006	98	308874	25.0	25.4	
54 1,1-Dichloropropene	75	5.038	5.044	-0.006	94	312382	25.0	26.0	
53 Isobutyl alcohol	43	5.196	5.202	-0.006	92	254907	625.0	649.9	
57 Benzene	78	5.215	5.220	-0.005	97	870056	25.0	25.3	
58 1,2-Dichloroethane	62	5.270	5.275	-0.005	98	352025	25.0	24.3	
59 n-Heptane	43	5.330	5.342	-0.012	95	336978	25.0	24.0	
62 Trichloroethene	95	5.708	5.720	-0.012	97	246556	25.0	25.7	
64 Methylcyclohexane	83	5.812	5.818	-0.006	94	368772	25.0	25.7	
65 1,2-Dichloropropane	63	5.910	5.922	-0.012	91	235836	25.0	25.2	
66 1,4-Dioxane	88	6.019	6.025	-0.006	96	29357	500.0	427.6	
67 Dibromomethane	93	6.032	6.037	-0.005	96	167921	25.0	25.4	
68 Dichlorobromomethane	83	6.141	6.147	-0.006	98	322902	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.336	6.348	-0.012	93	157397	25.0	28.2	
72 cis-1,3-Dichloropropene	75	6.464	6.470	-0.006	93	366375	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.574	-0.012	98	1266703	125.0	125.6	
74 Toluene	92	6.696	6.708	-0.012	98	572616	25.0	25.2	
77 trans-1,3-Dichloropropene	75	6.909	6.915	-0.006	98	353865	25.0	25.7	
75 Ethyl methacrylate	69	6.916	6.921	-0.005	91	298117	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.062	7.074	-0.012	92	190234	25.0	25.5	
81 Tetrachloroethene	166	7.123	7.129	-0.006	96	264495	25.0	25.0	
82 1,3-Dichloropropane	76	7.196	7.202	-0.006	96	357614	25.0	25.1	
80 2-Hexanone	43	7.214	7.226	-0.012	97	922325	125.0	127.0	
83 Chlorodibromomethane	129	7.385	7.391	-0.006	90	267338	25.0	26.5	
84 Ethylene Dibromide	107	7.482	7.488	-0.006	98	251528	25.0	25.6	
87 Chlorobenzene	112	7.836	7.842	-0.006	98	660679	25.0	24.9	
88 Ethylbenzene	91	7.891	7.897	-0.006	99	1095634	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.909	-0.006	95	241663	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.982	7.988	-0.006	99	423555	25.0	25.4	
91 o-Xylene	106	8.318	8.324	-0.006	97	411567	25.0	25.3	
92 Styrene	104	8.336	8.342	-0.006	95	705906	25.0	25.4	
95 Bromoform	173	8.555	8.561	-0.006	96	176049	25.0	26.9	
94 Isopropylbenzene	105	8.604	8.610	-0.006	96	1079152	25.0	25.8	
101 Bromobenzene	156	8.909	8.921	-0.012	93	305828	25.0	25.2	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.927	-0.006	96	312413	25.0	25.2	
99 N-Propylbenzene	91	8.946	8.951	-0.005	99	1312029	25.0	25.5	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.964	-0.006	76	91014	25.0	25.5	
100 1,2,3-Trichloropropane	110	8.964	8.970	-0.006	87	86254	25.0	25.6	
103 2-Chlorotoluene	126	9.049	9.055	-0.006	97	267985	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	9.080	9.086	-0.006	93	921832	25.0	25.8	
105 4-Chlorotoluene	126	9.141	9.147	-0.006	98	277045	25.0	25.2	
106 tert-Butylbenzene	134	9.360	9.366	-0.006	93	182411	25.0	25.3	
107 1,2,4-Trimethylbenzene	105	9.403	9.409	-0.006	98	934481	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.543	-0.006	95	1191047	25.0	25.3	
110 4-Isopropyltoluene	119	9.653	9.659	-0.006	97	1014044	25.0	25.2	
111 1,3-Dichlorobenzene	146	9.683	9.695	-0.012	98	560999	25.0	25.0	
113 1,4-Dichlorobenzene	146	9.763	9.768	-0.005	96	569982	25.0	24.8	
115 n-Butylbenzene	91	10.006	10.012	-0.006	98	944421	25.0	25.5	
116 1,2-Dichlorobenzene	146	10.092	10.098	-0.006	99	553974	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	10.781	10.786	-0.005	85	54374	25.0	26.2	
119 1,2,4-Trichlorobenzene	180	11.421	11.427	-0.006	95	386899	25.0	24.7	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	98	195666	25.0	25.3	
121 Naphthalene	128	11.634	11.640	-0.006	97	954072	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	364636	25.0	24.6	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00087	Amount Added: 12.50	Units: uL	
SS GAS CORP_00372	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

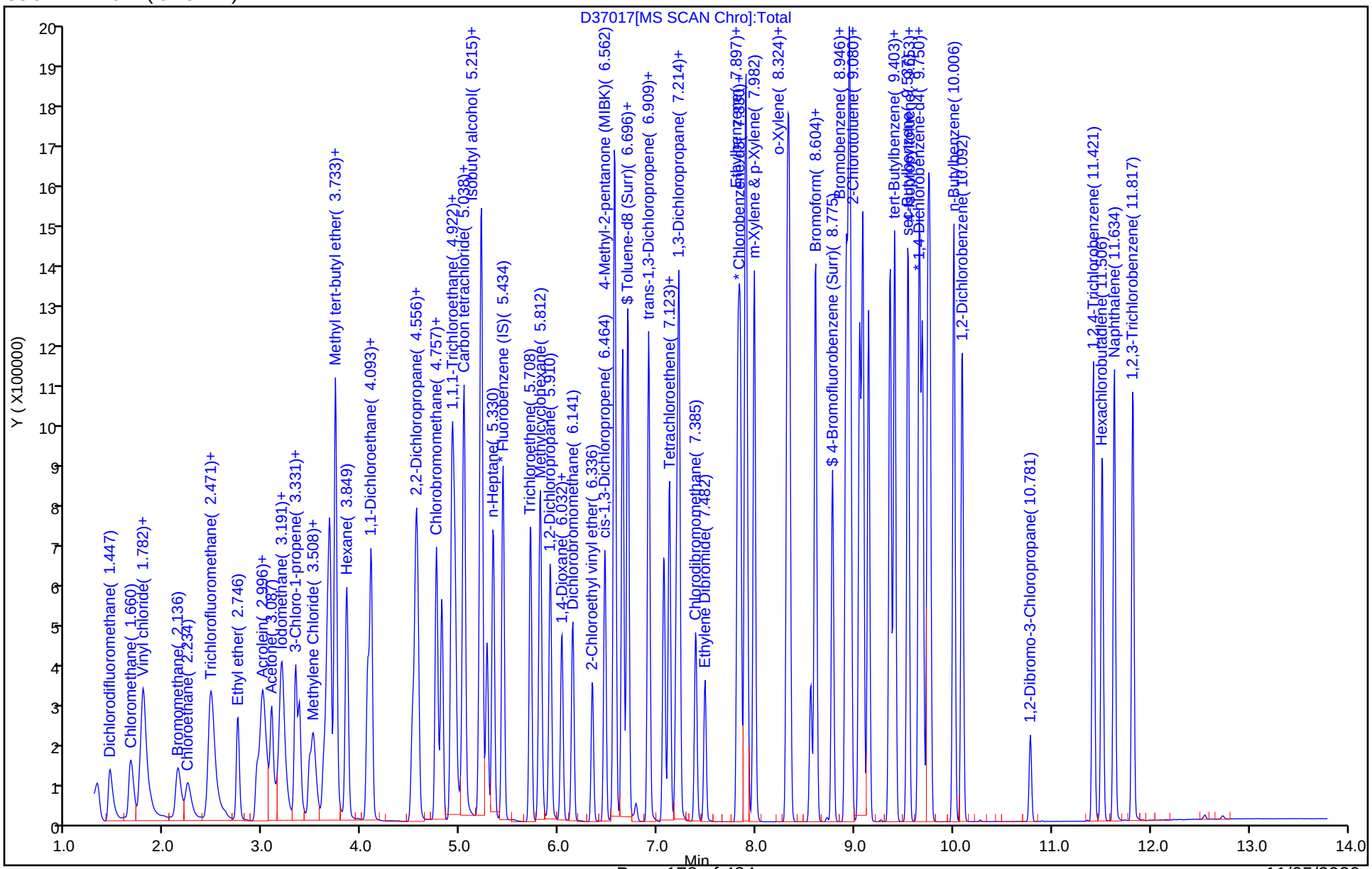
Report Date: 11-Oct-2020 11:15:20 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37017.D

Injection Date:	10-Oct-2020 21:01:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	31
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556141/3 Calibration Date: 10/28/2020 09:24

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37846.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
Dichlorodifluoromethane	Ave	1.711	1.785	0.1000	26.1	25.0	4.3	50.0
Chloromethane	Ave	2.102	1.898	0.1000	22.6	25.0	-9.7	20.0
Vinyl chloride	Ave	1.862	1.698	0.1000	22.8	25.0	-8.8	20.0
Butadiene	Ave	1.634	1.433		21.9	25.0	-12.3	20.0
Bromomethane	Ave	1.094	1.150	0.1000	26.3	25.0	5.1	50.0
Chloroethane	Ave	1.061	0.8403	0.1000	19.8	25.0	-20.8	50.0
Trichlorofluoromethane	Ave	2.142	2.064	0.1000	24.1	25.0	-3.6	20.0
Dichlorofluoromethane	Ave	2.653	2.302		21.7	25.0	-13.2	20.0
Ethyl ether	Ave	1.152	1.076		23.3	25.0	-6.6	20.0
Acrolein	Ave	0.1089	0.1691		194	125	55.3*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.218	1.219	0.1000	25.0	25.0	0.0	20.0
1,1-Dichloroethene	Ave	1.166	1.200	0.1000	25.7	25.0	2.9	20.0
Acetone	Ave	0.4686	0.4134	0.1000	110	125	-11.8	50.0
Iodomethane	Ave	2.400	2.570		26.8	25.0	7.1	20.0
Carbon disulfide	Ave	4.185	4.307	0.1000	25.7	25.0	2.9	20.0
Allyl chloride	Ave	2.232	2.036		22.8	25.0	-8.8	20.0
Methyl acetate	Ave	1.103	1.009	0.1000	45.7	50.0	-8.5	50.0
Methylene Chloride	Lin1		1.547	0.1000	26.0	25.0	4.0	20.0
2-Methyl-2-propanol	Ave	0.1481	0.1527		258	250	3.1	50.0
Methyl tert-butyl ether	Ave	3.725	3.603	0.1000	24.2	25.0	-3.3	20.0
trans-1,2-Dichloroethene	Ave	1.336	1.369	0.1000	25.6	25.0	2.5	20.0
Acrylonitrile	Ave	0.5287	0.5215		247	250	-1.4	20.0
Hexane	Ave	1.926	1.874		24.3	25.0	-2.7	20.0
1,1-Dichloroethane	Ave	2.531	2.415	0.2000	23.9	25.0	-4.6	20.0
Vinyl acetate	Ave	3.224	3.004		46.6	50.0	-6.8	20.0
2,2-Dichloropropane	Ave	1.513	1.513		25.0	25.0	-0.0	20.0
cis-1,2-Dichloroethene	Ave	1.540	1.526	0.1000	24.8	25.0	-0.9	20.0
2-Butanone (MEK)	Ave	0.7367	0.6833	0.1000	116	125	-7.2	20.0
Chlorobromomethane	Ave	0.8619	0.8656		25.1	25.0	0.4	20.0
Tetrahydrofuran	Ave	0.4724	0.4337		45.9	50.0	-8.2	20.0
Chloroform	Ave	2.769	2.494	0.2000	22.5	25.0	-9.9	20.0
1,1,1-Trichloroethane	Ave	2.121	1.995	0.1000	23.5	25.0	-5.9	20.0
Cyclohexane	Ave	2.331	2.226	0.1000	23.9	25.0	-4.5	20.0
Carbon tetrachloride	Ave	1.909	1.785	0.1000	23.4	25.0	-6.5	20.0
1,1-Dichloropropene	Ave	1.888	1.816		24.0	25.0	-3.8	20.0
Isobutyl alcohol	Ave	0.0617	0.0619		627	625	0.3	50.0
Benzene	Ave	5.415	5.329	0.5000	24.6	25.0	-1.6	20.0
1,2-Dichloroethane	Ave	2.278	1.895	0.1000	20.8	25.0	-16.8	20.0
n-Heptane	Ave	2.205	2.028		23.0	25.0	-8.0	20.0
Trichloroethene	Ave	1.509	1.484	0.2000	24.6	25.0	-1.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556141/3 Calibration Date: 10/28/2020 09:24

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37846.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
Methylcyclohexane	Ave	2.253	2.223	0.1000	24.7	25.0	-1.3	20.0
1,2-Dichloropropane	Ave	1.471	1.468	0.1000	25.0	25.0	-0.2	20.0
1,4-Dioxane	Lin1		0.0063		621	500	24.2	50.0
Dibromomethane	Ave	1.039	0.9934	0.1000	23.9	25.0	-4.4	20.0
Bromodichloromethane	Ave	1.964	1.926	0.2000	24.5	25.0	-1.9	20.0
2-Chloroethyl vinyl ether	Ave	0.8768	0.8690		24.8	25.0	-0.9	20.0
cis-1,3-Dichloropropene	Ave	2.252	2.310	0.2000	25.6	25.0	2.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7319	0.6428	0.1000	110	125	-12.2	20.0
Toluene	Ave	1.647	1.600	0.4000	24.3	25.0	-2.9	20.0
trans-1,3-Dichloropropene	Ave	0.998	0.9814	0.1000	24.6	25.0	-1.7	20.0
Ethyl methacrylate	Ave	0.8178	0.8298		25.4	25.0	1.5	20.0
1,1,2-Trichloroethane	Ave	0.5412	0.5413	0.1000	25.0	25.0	0.0	20.0
Tetrachloroethene	Ave	0.7664	0.7794	0.2000	25.4	25.0	1.7	20.0
1,3-Dichloropropane	Ave	1.033	1.007		24.4	25.0	-2.5	20.0
2-Hexanone	Ave	0.5273	0.4668	0.1000	111	125	-11.5	20.0
Dibromochloromethane	Ave	0.7324	0.7612	0.1000	26.0	25.0	3.9	20.0
1,2-Dibromoethane	Ave	0.7134	0.7126		25.0	25.0	-0.1	20.0
Chlorobenzene	Ave	1.924	1.874	0.5000	24.3	25.0	-2.6	20.0
Ethylbenzene	Ave	3.143	3.041	0.1000	24.2	25.0	-3.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6684	0.6706		25.1	25.0	0.3	20.0
m,p-Xylene	Ave	1.210	1.198	0.1000	24.8	25.0	-0.9	20.0
o-Xylene	Ave	1.182	1.165	0.3000	24.6	25.0	-1.4	20.0
Styrene	Ave	2.015	2.017	0.3000	25.0	25.0	0.0	20.0
Bromoform	Ave	0.4747	0.5290	0.1000	27.9	25.0	11.4	50.0
Isopropylbenzene	Ave	2.979	2.759	0.1000	23.2	25.0	-7.4	20.0
Bromobenzene	Ave	0.8670	0.8288		23.9	25.0	-4.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8851	0.8389	0.3000	23.7	25.0	-5.2	20.0
N-Propylbenzene	Ave	3.674	3.396		23.1	25.0	-7.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2546	0.2034		20.0	25.0	-20.1	50.0
1,2,3-Trichloropropane	Ave	0.2399	0.2209		23.0	25.0	-7.9	20.0
2-Chlorotoluene	Ave	0.7502	0.7038		23.5	25.0	-6.2	20.0
1,3,5-Trimethylbenzene	Ave	2.546	2.406		23.6	25.0	-5.5	20.0
4-Chlorotoluene	Ave	0.7840	0.7348		23.4	25.0	-6.3	20.0
tert-Butylbenzene	Ave	0.5138	0.4769		23.2	25.0	-7.2	20.0
1,2,4-Trimethylbenzene	Ave	2.647	2.442		23.1	25.0	-7.7	20.0
sec-Butylbenzene	Ave	3.358	3.067		22.8	25.0	-8.7	20.0
4-Isopropyltoluene	Ave	2.867	2.678		23.4	25.0	-6.6	20.0
1,3-Dichlorobenzene	Ave	1.598	1.528	0.6000	23.9	25.0	-4.4	20.0
1,4-Dichlorobenzene	Ave	1.637	1.563	0.5000	23.9	25.0	-4.5	20.0
n-Butylbenzene	Ave	2.645	2.473		23.4	25.0	-6.5	20.0
1,2-Dichlorobenzene	Ave	1.577	1.525	0.4000	24.2	25.0	-3.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556141/3 Calibration Date: 10/28/2020 09:24

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37846.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-Dibromo-3-Chloropropane	Ave	0.1480	0.1417	0.0500	23.9	25.0	-4.3	50.0
1,2,4-Trichlorobenzene	Ave	1.115	1.173	0.2000	26.3	25.0	5.2	20.0
Hexachlorobutadiene	Ave	0.5526	0.6166		27.9	25.0	11.6	20.0
Naphthalene	Ave	2.722	2.741		25.2	25.0	0.7	20.0
1,2,3-Trichlorobenzene	Ave	1.057	1.107		26.2	25.0	4.8	20.0
Dibromofluoromethane (Surr)	Ave	1.491	1.479		24.8	25.0	-0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8758	0.7990		22.8	25.0	-8.8	20.0
Toluene-d8 (Surr)	Ave	2.362	2.384		25.2	25.0	0.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8230	0.8750		26.6	25.0	6.3	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37846.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Oct-2020 09:24:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0094508-003
Operator ID: OI Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 10:07:43 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 28-Oct-2020 10:07:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	99	128682	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	86	281430	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	93	305625	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	190326	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	99	102821	25.0	22.8	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	93	671049	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	96	246259	25.0	26.6	
10 Dichlorodifluoromethane	85	1.447	1.447	0.000	99	229752	25.0	26.1	
12 Chloromethane	50	1.660	1.660	0.000	99	244288	25.0	22.6	
13 Vinyl chloride	62	1.758	1.758	0.000	98	218537	25.0	22.8	
144 Butadiene	54	1.782	1.782	0.000	91	184427	25.0	21.9	
14 Bromomethane	94	2.142	2.142	0.000	91	148017	25.0	26.3	
15 Chloroethane	64	2.239	2.239	0.000	99	108134	25.0	19.8	
17 Trichlorofluoromethane	101	2.459	2.459	0.000	98	265573	25.0	24.1	
16 Dichlorofluoromethane	67	2.465	2.465	0.000	97	296194	25.0	21.7	
18 Ethyl ether	59	2.739	2.739	0.000	94	138430	25.0	23.3	
20 Acrolein	56	2.928	2.928	0.000	100	108775	125.0	194.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.983	2.983	0.000	93	156813	25.0	25.0	
22 1,1-Dichloroethene	96	2.995	2.995	0.000	98	154441	25.0	25.7	
23 Acetone	43	3.087	3.087	0.000	100	265982	125.0	110.3	
25 Iodomethane	142	3.172	3.172	0.000	99	330652	25.0	26.8	
26 Carbon disulfide	76	3.190	3.190	0.000	99	554278	25.0	25.7	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	92	262002	25.0	22.8	
27 Methyl acetate	43	3.367	3.367	0.000	98	259614	50.0	45.7	
30 Methylene Chloride	84	3.507	3.507	0.000	94	199134	25.0	26.0	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	97	196510	250.0	257.8	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	96	463647	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	98	176174	25.0	25.6	
33 Acrylonitrile	53	3.733	3.733	0.000	99	671055	250.0	246.6	
35 Hexane	57	3.843	3.843	0.000	92	241160	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.056	4.056	0.000	96	310722	25.0	23.9	
37 Vinyl acetate	43	4.093	4.093	0.000	97	773062	50.0	46.6	
44 2,2-Dichloropropane	77	4.513	4.513	0.000	90	194661	25.0	25.0	
45 cis-1,2-Dichloroethene	96	4.544	4.544	0.000	86	196405	25.0	24.8	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	100	439649	125.0	115.9	
48 Chlorobromomethane	128	4.751	4.751	0.000	94	111391	25.0	25.1	
49 Tetrahydrofuran	42	4.763	4.763	0.000	87	111609	50.0	45.9	
50 Chloroform	83	4.812	4.812	0.000	94	320894	25.0	22.5	
51 1,1,1-Trichloroethane	97	4.910	4.910	0.000	99	256694	25.0	23.5	
52 Cyclohexane	56	4.916	4.916	0.000	91	286489	25.0	23.9	
55 Carbon tetrachloride	117	5.025	5.025	0.000	97	229666	25.0	23.4	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	96	233717	25.0	24.0	
53 Isobutyl alcohol	43	5.196	5.196	0.000	93	199036	625.0	627.2	
57 Benzene	78	5.214	5.214	0.000	97	685741	25.0	24.6	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	97	243913	25.0	20.8	
59 n-Heptane	43	5.330	5.330	0.000	95	261004	25.0	23.0	
62 Trichloroethene	95	5.708	5.708	0.000	98	191024	25.0	24.6	
64 Methylcyclohexane	83	5.806	5.806	0.000	91	286074	25.0	24.7	
65 1,2-Dichloropropane	63	5.909	5.909	0.000	97	188963	25.0	25.0	
66 1,4-Dioxane	88	6.013	6.013	0.000	94	35260	500.0	621.2	M
67 Dibromomethane	93	6.025	6.025	0.000	94	127829	25.0	23.9	
68 Dichlorobromomethane	83	6.135	6.135	0.000	99	247850	25.0	24.5	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	92	111819	25.0	24.8	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	96	297305	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	96	904489	125.0	109.8	
74 Toluene	92	6.696	6.696	0.000	98	450150	25.0	24.3	
77 trans-1,3-Dichloropropene	75	6.903	6.903	0.000	97	276187	25.0	24.6	
75 Ethyl methacrylate	69	6.909	6.909	0.000	89	233540	25.0	25.4	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	90	152324	25.0	25.0	
81 Tetrachloroethene	166	7.117	7.117	0.000	97	219340	25.0	25.4	
82 1,3-Dichloropropane	76	7.190	7.190	0.000	97	283430	25.0	24.4	
80 2-Hexanone	43	7.214	7.214	0.000	98	656830	125.0	110.7	
83 Chlorodibromomethane	129	7.385	7.385	0.000	90	214235	25.0	26.0	
84 Ethylene Dibromide	107	7.476	7.476	0.000	98	200556	25.0	25.0	
87 Chlorobenzene	112	7.836	7.836	0.000	98	527282	25.0	24.3	
88 Ethylbenzene	91	7.891	7.891	0.000	98	855771	25.0	24.2	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	96	188724	25.0	25.1	
90 m-Xylene & p-Xylene	106	7.976	7.976	0.000	99	337242	25.0	24.8	
91 o-Xylene	106	8.311	8.311	0.000	97	327779	25.0	24.6	
92 Styrene	104	8.336	8.336	0.000	96	567659	25.0	25.0	
95 Bromoform	173	8.549	8.549	0.000	98	148875	25.0	27.9	
94 Isopropylbenzene	105	8.598	8.598	0.000	95	843371	25.0	23.2	
101 Bromobenzene	156	8.909	8.909	0.000	88	253306	25.0	23.9	
97 1,1,2,2-Tetrachloroethane	83	8.915	8.915	0.000	95	256398	25.0	23.7	
99 N-Propylbenzene	91	8.939	8.939	0.000	99	1037809	25.0	23.1	
98 trans-1,4-Dichloro-2-butene	53	8.952	8.952	0.000	75	62160	25.0	20.0	
100 1,2,3-Trichloropropane	110	8.958	8.958	0.000	86	67513	25.0	23.0	
103 2-Chlorotoluene	126	9.049	9.049	0.000	98	215091	25.0	23.5	
102 1,3,5-Trimethylbenzene	105	9.080	9.080	0.000	93	735446	25.0	23.6	
105 4-Chlorotoluene	126	9.134	9.134	0.000	97	224575	25.0	23.4	
106 tert-Butylbenzene	134	9.354	9.354	0.000	92	145761	25.0	23.2	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	97	746379	25.0	23.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.537	0.000	94	937203	25.0	22.8	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	818540	25.0	23.4	
111 1,3-Dichlorobenzene	146	9.683	9.683	0.000	97	466962	25.0	23.9	
113 1,4-Dichlorobenzene	146	9.756	9.756	0.000	96	477692	25.0	23.9	
115 n-Butylbenzene	91	10.000	10.000	0.000	98	755678	25.0	23.4	
116 1,2-Dichlorobenzene	146	10.085	10.085	0.000	99	465968	25.0	24.2	
117 1,2-Dibromo-3-Chloropropane	75	10.774	10.774	0.000	92	43294	25.0	23.9	
119 1,2,4-Trichlorobenzene	180	11.414	11.414	0.000	95	358572	25.0	26.3	
120 Hexachlorobutadiene	225	11.506	11.506	0.000	96	188446	25.0	27.9	
121 Naphthalene	128	11.628	11.628	0.000	97	837760	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	11.817	11.817	0.000	96	338371	25.0	26.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
GAS CORP mix_00424	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

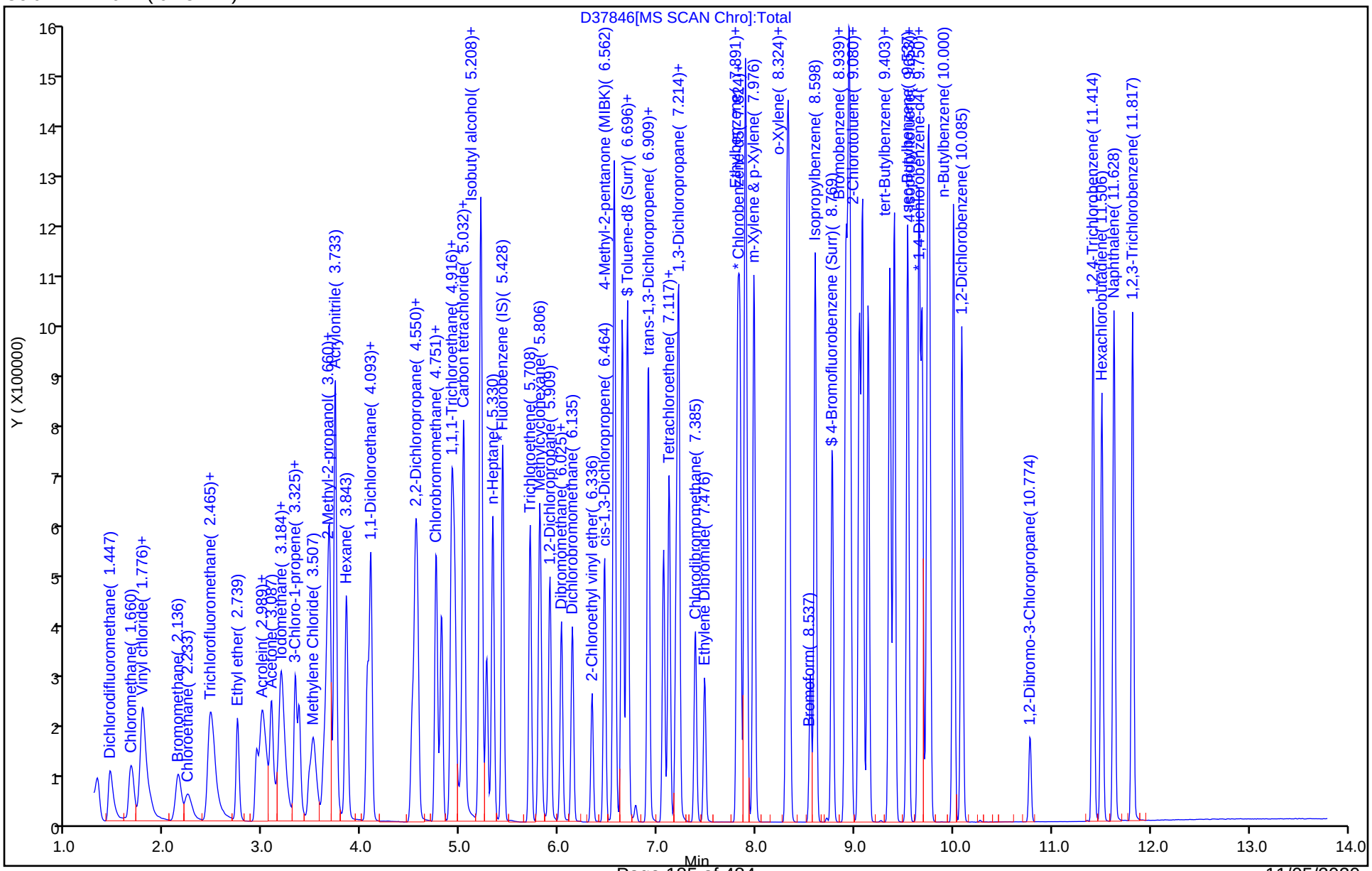
Report Date: 28-Oct-2020 10:07:43 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37846.D

Injection Date:	28-Oct-2020 09:24:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

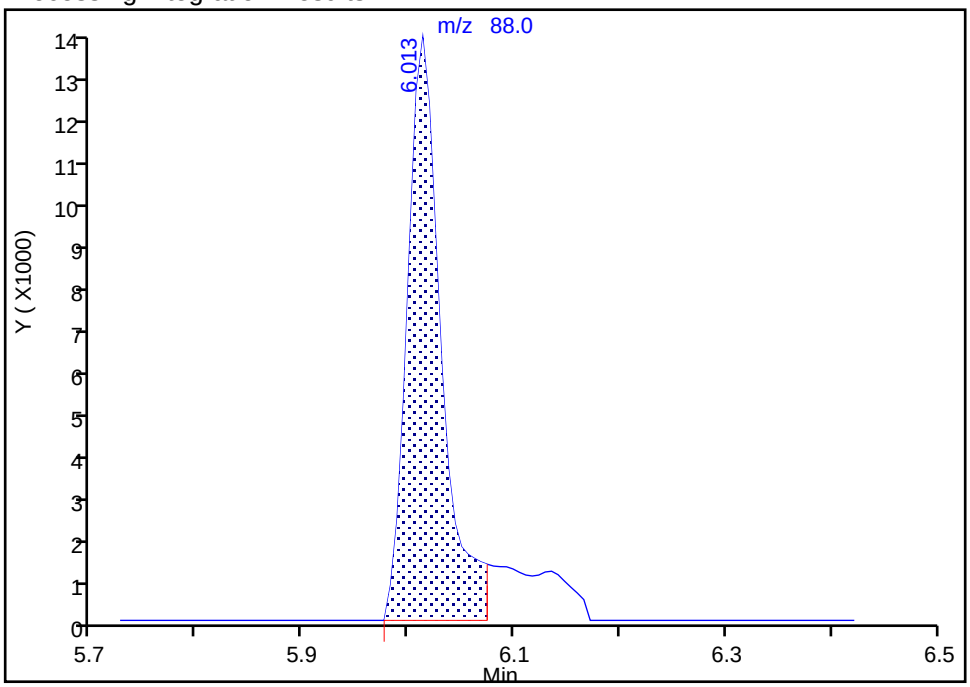
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37846.D
Injection Date: 28-Oct-2020 09:24:30 Instrument ID: HP5975D
Lims ID: CCVIS
Client ID:
Operator ID: OI ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

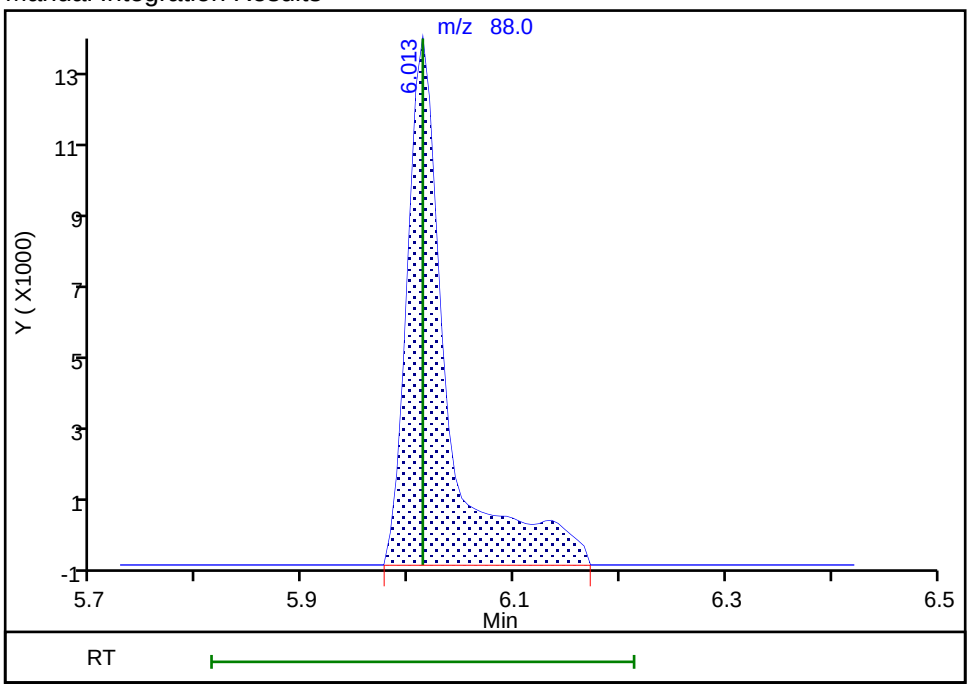
Processing Integration Results

RT: 6.01
Area: 29685
Amount: 525.4671
Amount Units: ug/L



Manual Integration Results

RT: 6.01
Area: 35260
Amount: 621.1827
Amount Units: ug/L



Reviewer: izquierdoo, 28-Oct-2020 10:07:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36991.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Oct-2020 10:53:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0094037-005
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:15:02 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 10-Oct-2020 11:05:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.617	4.617	0.000	0	102921	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

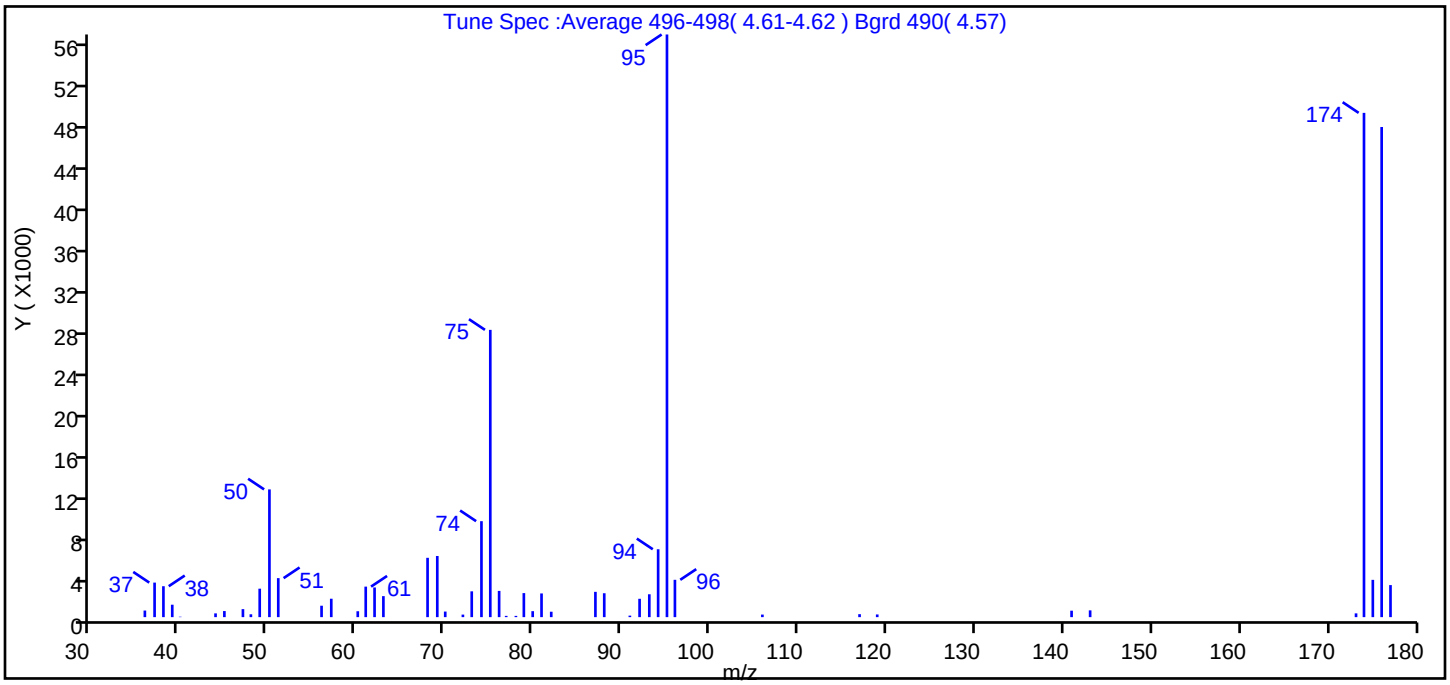
BFB_WRK_00110 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36991.D
Injection Date: 10-Oct-2020 10:53:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.9
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.6 (0.8)
174	50 to 120% of m/z 95	86.5
175	5 to 9% of m/z 174	6.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	84.1 (97.2)
177	5 to 9% of m/z 176	5.5 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36991.D\D-8260.rslt\spectra.d
Injection Date: 10-Oct-2020 10:53:30
Spectrum: Tune Spec :Average 496-498(4.61-4.62) Bgrd 490(4.57)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	645	57.00	1801	77.00	125	96.00	3650
37.00	3377	60.00	577	78.00	124	106.00	252
38.00	3024	61.00	2984	79.00	2350	117.00	290
39.00	1216	62.00	2902	80.00	584	119.00	263
40.00	41	63.00	2055	81.00	2317	141.00	632
44.00	368	68.00	5801	82.00	531	143.00	663
45.00	595	69.00	5979	87.00	2474	173.00	370
47.00	783	70.00	546	88.00	2337	174.00	49304
48.00	280	72.00	249	91.00	148	175.00	3646
49.00	2783	73.00	2524	92.00	1795	176.00	47920
50.00	12489	74.00	9383	93.00	2236	177.00	3134
51.00	3814	75.00	28088	94.00	6637		
56.00	1117	76.00	2566	95.00	56968		

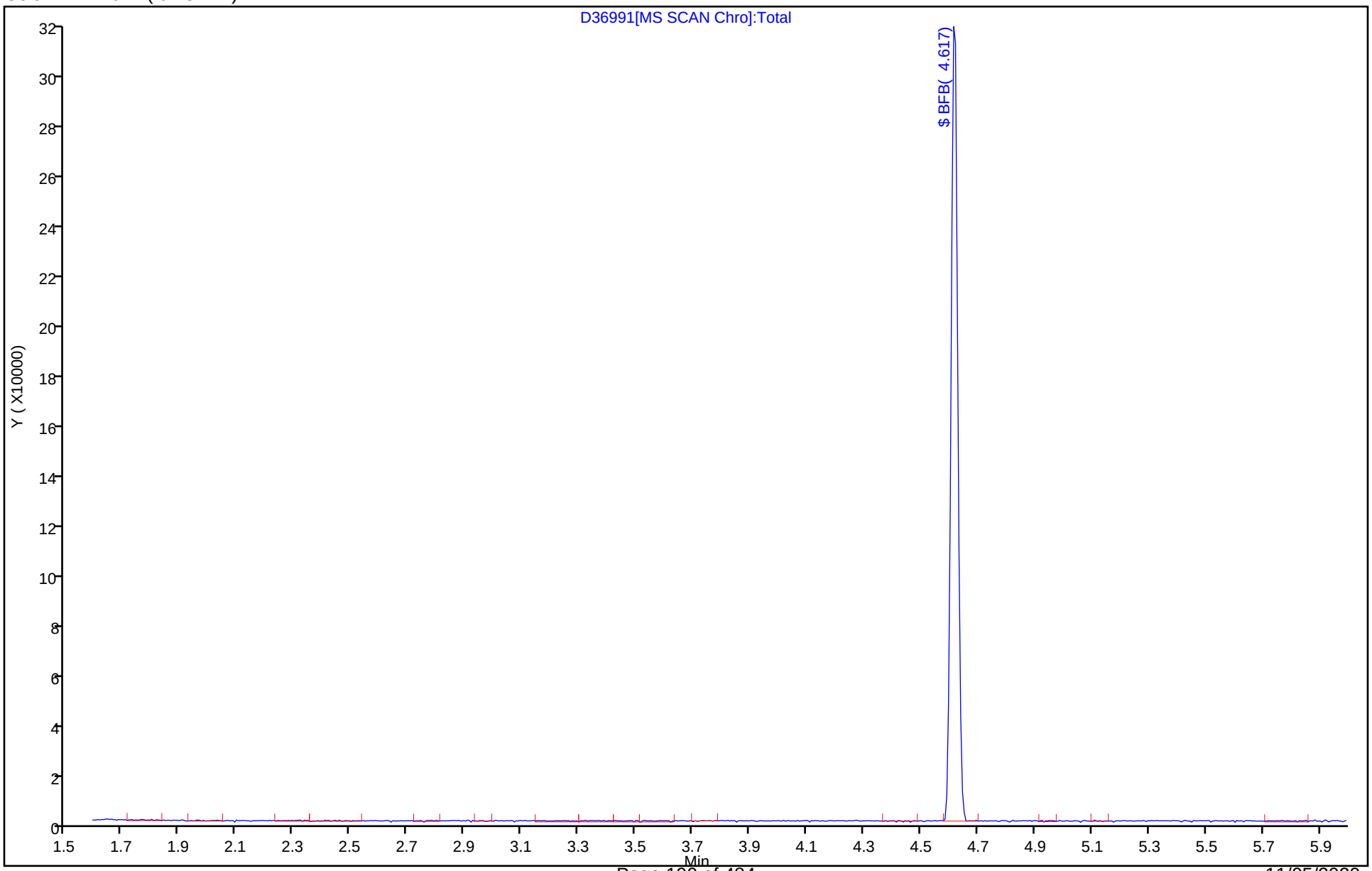
Report Date: 11-Oct-2020 11:15:03 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36991.D

Injection Date:	10-Oct-2020 10:53:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37845.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 28-Oct-2020 08:59:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0094508-002
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 09:10:38 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 28-Oct-2020 09:10:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.598	4.598	0.000	0	108357	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

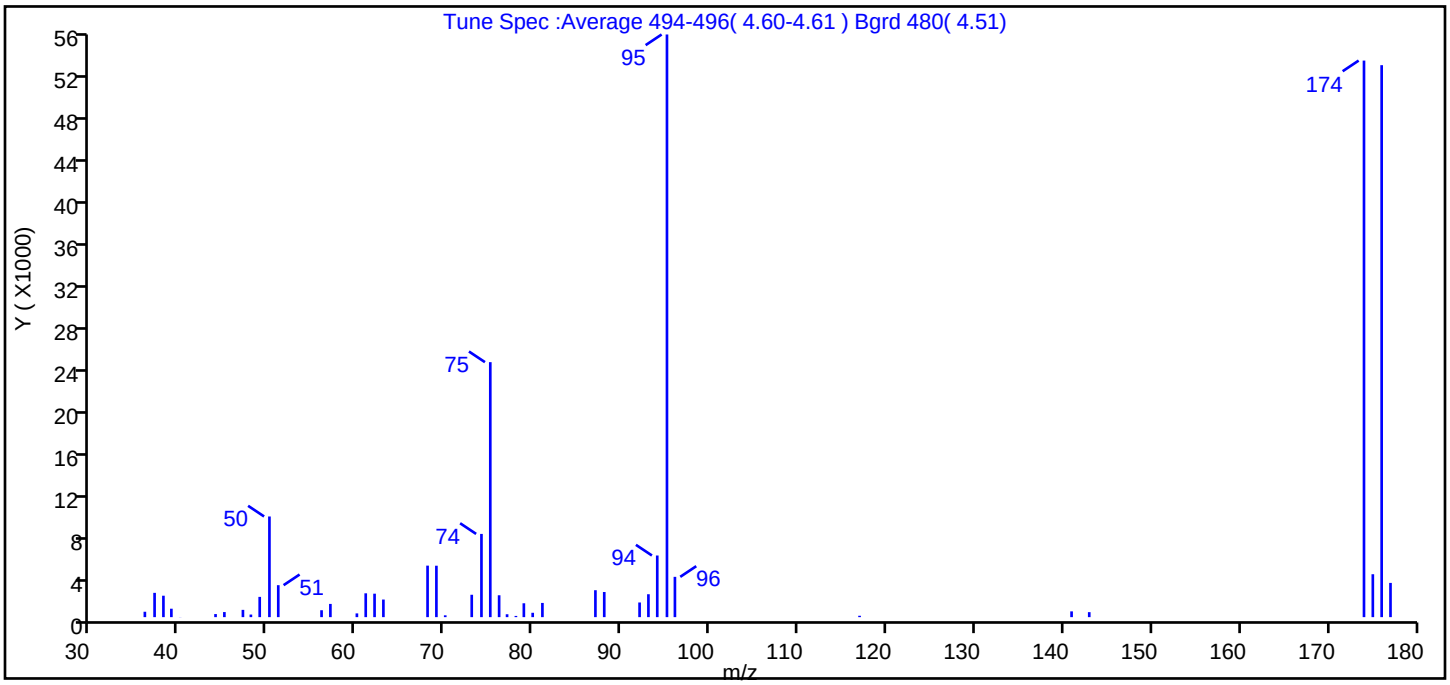
BFB_WRK_00112 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37845.D
Injection Date: 28-Oct-2020 08:59:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: OI ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.3
75	30 to 60% of m/z 95	43.8
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	95.5
175	5 to 9% of m/z 174	7.4 (7.7)
176	Greater than 95% but less than 101% of m/z 174	94.7 (99.2)
177	5 to 9% of m/z 176	5.9 (6.2)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37845.D\D-8260.rslt\spectra.d
Injection Date: 28-Oct-2020 08:59:30
Spectrum: Tune Spec :Average 494-496(4.60-4.61) Bgrd 480(4.51)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	516	51.00	3057	74.00	7959	93.00	2191
37.00	2323	56.00	661	75.00	24384	94.00	5895
38.00	2049	57.00	1265	76.00	2092	95.00	55720
39.00	807	60.00	358	77.00	276	96.00	3854
40.00	11	61.00	2279	78.00	117	117.00	132
44.00	295	62.00	2244	79.00	1326	141.00	553
45.00	486	63.00	1684	80.00	417	143.00	477
47.00	696	68.00	4926	81.00	1359	174.00	53224
48.00	248	69.00	4918	87.00	2575	175.00	4104
49.00	1938	70.00	174	88.00	2403	176.00	52784
50.00	9627	73.00	2140	92.00	1402	177.00	3274

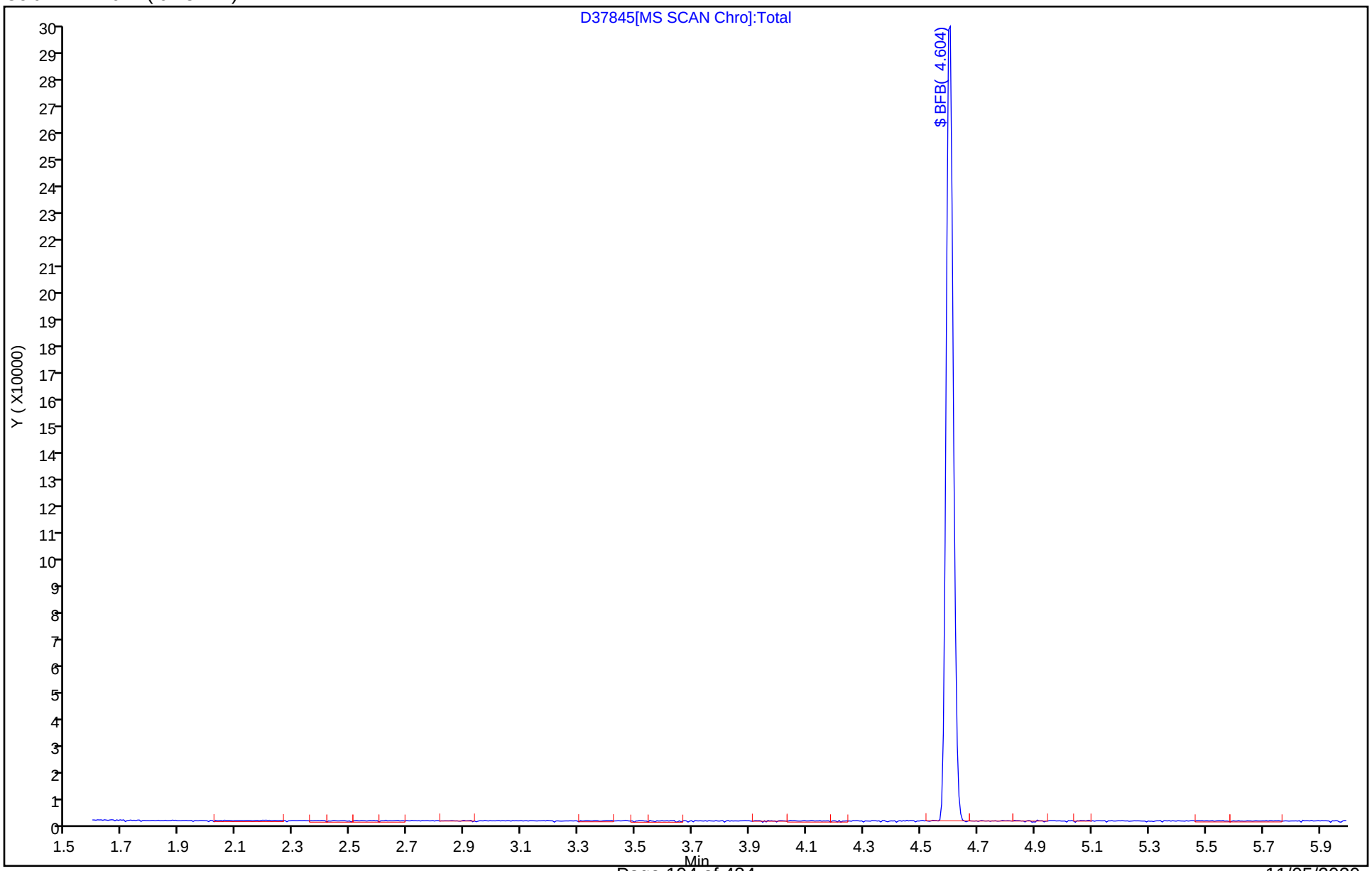
Report Date: 28-Oct-2020 09:10:39 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37845.D

Injection Date:	28-Oct-2020 08:59:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-556141/7

Matrix: Water Lab File ID: D37850.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 10:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-556141/7

Matrix: Water Lab File ID: D37850.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 10:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37850.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Oct-2020 10:57:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0094508-007
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 11:15:55 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 28-Oct-2020 11:15:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	99	133325	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	85	287873	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	307269	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.946	-0.006	93	193147	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	98	108029	25.0	23.1	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	94	682628	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	96	243729	25.0	25.7	
10 Dichlorodifluoromethane	85		1.447					ND	
11 Chlorodifluoromethane	51		1.477					ND	
12 Chloromethane	50		1.660					ND	
13 Vinyl chloride	62		1.758					ND	
144 Butadiene	54		1.782					ND	
14 Bromomethane	94		2.142					ND	
15 Chloroethane	64		2.239					ND	
17 Trichlorofluoromethane	101		2.459					ND	
16 Dichlorofluoromethane	67		2.465					ND	
18 Ethyl ether	59		2.739					ND	
141 Ethanol	45		2.764					ND	
19 Propene oxide	58		2.837					ND	
20 Acrolein	56		2.928					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983					ND	
22 1,1-Dichloroethene	96		2.995					ND	
23 Acetone	43		3.087					ND	
25 Iodomethane	142		3.172					ND	
26 Carbon disulfide	76		3.190					ND	
24 Isopropyl alcohol	45		3.264					ND	
28 3-Chloro-1-propene	41		3.325					ND	
27 Methyl acetate	43		3.367					ND	
29 Acetonitrile	40		3.392					ND	
30 Methylene Chloride	84		3.507					ND	7
31 2-Methyl-2-propanol	59		3.617					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.654					ND	
34 trans-1,2-Dichloroethene	96		3.678					ND	
33 Acrylonitrile	53		3.733					ND	
35 Hexane	57		3.843					ND	
36 Isopropyl ether	45		4.050					ND	
39 1,1-Dichloroethane	63		4.056					ND	
132 Halothane	117		4.081					ND	
37 Vinyl acetate	43		4.093					ND	
40 2-Chloro-1,3-butadiene	53		4.111					ND	
38 1,1-Dimethoxyethane	75		4.123					ND	
41 Tert-butyl ethyl ether	59		4.349					ND	
44 2,2-Dichloropropane	77		4.513					ND	
45 cis-1,2-Dichloroethene	96		4.544					ND	
43 2-Butanone (MEK)	43		4.568					ND	
42 Ethyl acetate	43		4.581					ND	
46 Propionitrile	54		4.666					ND	
48 Chlorobromomethane	128		4.751					ND	
47 Methacrylonitrile	41		4.757					ND	
49 Tetrahydrofuran	42		4.763					ND	
50 Chloroform	83	4.806	4.812	-0.006	85	1414		0.0958	
51 1,1,1-Trichloroethane	97		4.910					ND	
52 Cyclohexane	56		4.916					ND	
55 Carbon tetrachloride	117		5.025					ND	
54 1,1-Dichloropropene	75		5.038					ND	
53 Isobutyl alcohol	43		5.196					ND	
146 Isooctane	57		5.196					ND	
57 Benzene	78		5.214					ND	
140 t-Amyl alcohol	59		5.245					ND	
56 Tert-amyl methyl ether	73		5.251					ND	
58 1,2-Dichloroethane	62		5.269					ND	
59 n-Heptane	43		5.330					ND	
1 1,4-Difluorobenzene	114		5.507					ND	
154 2,4,4-Trimethyl-1-pentene	55		5.605					ND	
60 n-Butanol	56		5.696					ND	
62 Trichloroethene	95		5.708					ND	
145 Ethyl acrylate	55		5.782					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.782					ND	
64 Methylcyclohexane	83		5.806					ND	
65 1,2-Dichloropropane	63		5.909					ND	
63 Methyl methacrylate	41		5.952					ND	
66 1,4-Dioxane	88		6.013					ND	
67 Dibromomethane	93		6.025					ND	
68 Dichlorobromomethane	83		6.135					ND	
70 2-Nitropropane	43		6.330					ND	
69 2-Chloroethyl vinyl ether	63		6.336					ND	
71 Epichlorohydrin	57		6.428					ND	
72 cis-1,3-Dichloropropene	75		6.464					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562					ND	U
74 Toluene	92		6.696					ND	
76 2-Methylthiophene	97		6.806					ND	
77 trans-1,3-Dichloropropene	75		6.903					ND	
75 Ethyl methacrylate	69		6.909					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		6.940					ND	
79 1,1,2-Trichloroethane	83		7.062					ND	
81 Tetrachloroethene	166		7.117					ND	
82 1,3-Dichloropropane	76		7.190					ND	
80 2-Hexanone	43		7.214					ND	
155 n-Butyl acetate	43		7.275					ND	
83 Chlorodibromomethane	129		7.385					ND	
84 Ethylene Dibromide	107		7.476					ND	
139 1-Chlorohexane	55		7.763					ND	U
85 3-Chlorobenzotrifluoride	180		7.769					ND	
86 4-Chlorobenzotrifluoride	180		7.818					ND	
87 Chlorobenzene	112		7.836					ND	
88 Ethylbenzene	91		7.891					ND	
89 1,1,1,2-Tetrachloroethane	131		7.903					ND	
90 m-Xylene & p-Xylene	106		7.976					ND	
91 o-Xylene	106		8.311					ND	
92 Styrene	104		8.336					ND	
93 2-Chlorobenzotrifluoride	180		8.537					ND	
95 Bromoform	173		8.549					ND	
94 Isopropylbenzene	105		8.598					ND	
96 Cyclohexanone	55		8.763					ND	
101 Bromobenzene	156		8.909					ND	
97 1,1,2,2-Tetrachloroethane	83		8.915					ND	
99 N-Propylbenzene	91		8.939					ND	
98 trans-1,4-Dichloro-2-butene	53		8.952					ND	
100 1,2,3-Trichloropropane	110		8.958					ND	
103 2-Chlorotoluene	126		9.049					ND	
102 1,3,5-Trimethylbenzene	105		9.080					ND	
104 3-Chlorotoluene	126		9.098					ND	
105 4-Chlorotoluene	126		9.134					ND	
106 tert-Butylbenzene	134		9.354					ND	
107 1,2,4-Trimethylbenzene	105		9.403					ND	
108 Pentachloroethane	167		9.427					ND	
109 sec-Butylbenzene	105		9.537					ND	
110 4-Isopropyltoluene	119		9.653					ND	
111 1,3-Dichlorobenzene	146		9.683					ND	
114 Dicyclopentadiene	66		9.744					ND	
113 1,4-Dichlorobenzene	146		9.756					ND	
112 1,2,3-Trimethylbenzene	105		9.769					ND	
143 Benzyl chloride	91		9.884					ND	
115 n-Butylbenzene	91		10.000					ND	
116 1,2-Dichlorobenzene	146		10.085					ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774					ND	
118 1,3,5-Trichlorobenzene	180		10.896					ND	
119 1,2,4-Trichlorobenzene	180		11.414					ND	
120 Hexachlorobutadiene	225		11.506					ND	
121 Naphthalene	128		11.628					ND	
122 1,2,3-Trichlorobenzene	180		11.817					ND	
142 2-Methylnaphthalene	142		12.549					ND	U
149 Hexachloroethane	117		0.000					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
150 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 Xylenes, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

D 8260 IS/SUR_00022 Amount Added: 1.00 Units: uL Run Reagent

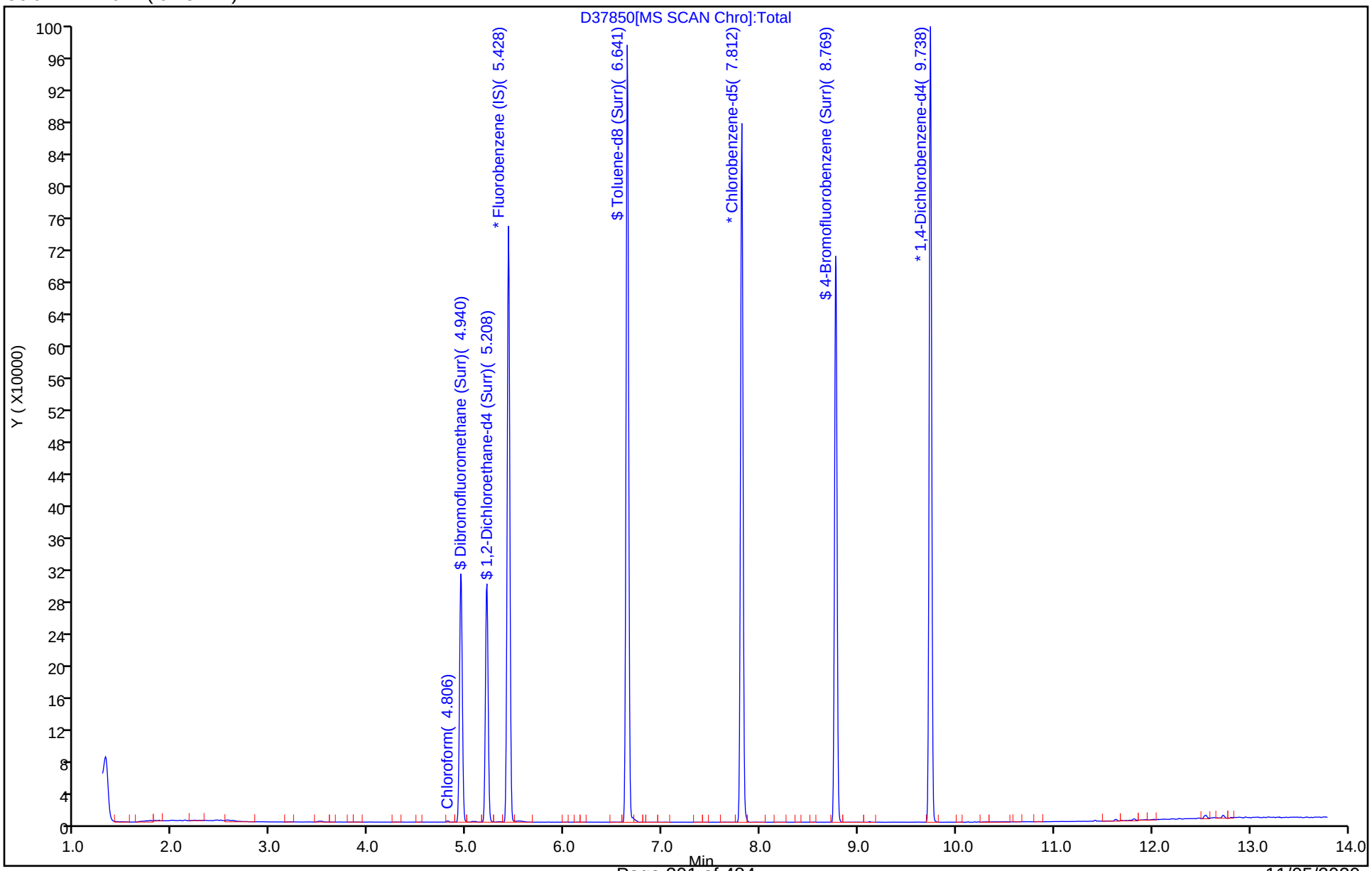
Report Date: 28-Oct-2020 11:15:56 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37850.D

Injection Date:	28-Oct-2020 10:57:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



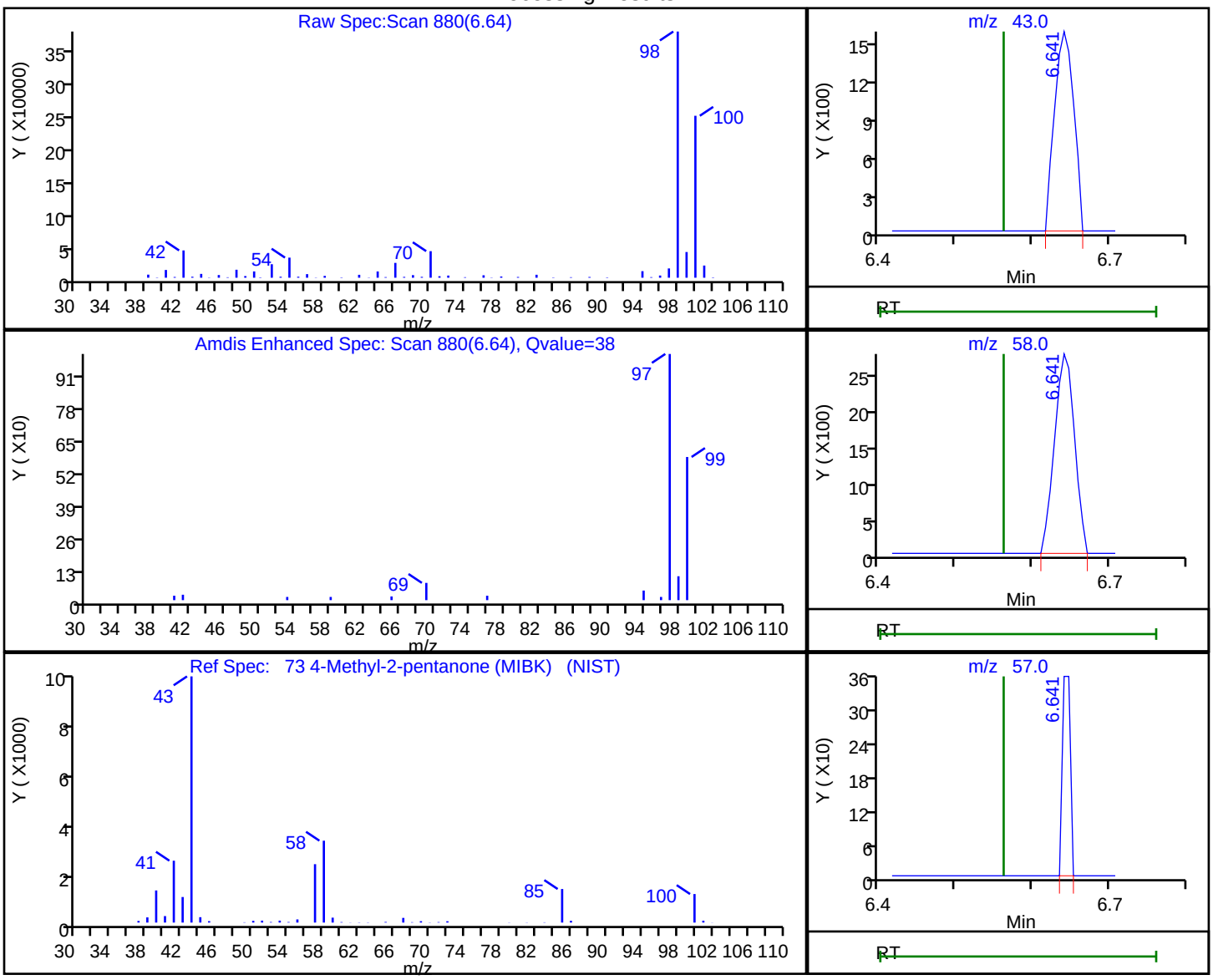
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37850.D				
Injection Date:	28-Oct-2020 10:57:30	Instrument ID:	HP5975D		
Lims ID:	MB				
Client ID:					
Operator ID:	OI	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.64	43.00	2625	0.311470
6.64	58.00	5074	
6.64	57.00	258	

Reviewer: izquierdoo, 28-Oct-2020 11:15:32

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-556141/5

Matrix: Water Lab File ID: D37848.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 10:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.4		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	23.2		1.0	0.31
75-34-3	1,1-Dichloroethane	22.8		1.0	0.38
75-35-4	1,1-Dichloroethene	24.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.9		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.2		1.0	0.39
106-93-4	1,2-Dibromoethane	25.6		1.0	0.73
95-50-1	1,2-Dichlorobenzene	23.9		1.0	0.79
107-06-2	1,2-Dichloroethane	20.5		1.0	0.21
78-87-5	1,2-Dichloropropane	24.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.4		1.0	0.84
591-78-6	2-Hexanone	116		5.0	1.2
78-93-3	2-Butanone (MEK)	116		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	116		5.0	2.1
67-64-1	Acetone	112		10	3.0
71-43-2	Benzene	23.9		1.0	0.41
75-27-4	Bromodichloromethane	23.9		1.0	0.39
75-25-2	Bromoform	28.9		1.0	0.26
74-83-9	Bromomethane	25.3		1.0	0.69
75-15-0	Carbon disulfide	24.4		1.0	0.19
56-23-5	Carbon tetrachloride	22.6		1.0	0.27
108-90-7	Chlorobenzene	24.2		1.0	0.75
124-48-1	Dibromochloromethane	26.4		1.0	0.32
75-00-3	Chloroethane	18.2		1.0	0.32
67-66-3	Chloroform	21.9		1.0	0.34
74-87-3	Chloromethane	21.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.1		1.0	0.36
110-82-7	Cyclohexane	23.0		1.0	0.18
75-71-8	Dichlorodifluoromethane	23.5		1.0	0.68
100-41-4	Ethylbenzene	23.9		1.0	0.74
98-82-8	Isopropylbenzene	22.9		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-556141/5

Matrix: Water Lab File ID: D37848.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/28/2020 10:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 556141 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	45.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.0		1.0	0.16
108-87-2	Methylcyclohexane	23.8		1.0	0.16
75-09-2	Methylene Chloride	24.7		1.0	0.44
100-42-5	Styrene	24.7		1.0	0.73
127-18-4	Tetrachloroethene	25.3		1.0	0.36
108-88-3	Toluene	24.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.8		1.0	0.37
79-01-6	Trichloroethene	23.9		1.0	0.46
75-69-4	Trichlorofluoromethane	22.6		1.0	0.88
75-01-4	Vinyl chloride	21.3		1.0	0.90
1330-20-7	Xylenes, Total	49.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37848.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Oct-2020 10:10:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0094508-005
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 10:31:54 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 28-Oct-2020 10:31:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	99	132788	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	86	280660	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	306400	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.946	-0.006	94	189983	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	98	106108	25.0	22.8	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	94	679438	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.775	-0.006	96	249940	25.0	27.1	
10 Dichlorodifluoromethane	85	1.447	1.447	0.000	99	213937	25.0	23.5	
12 Chloromethane	50	1.654	1.660	-0.006	99	238555	25.0	21.4	
13 Vinyl chloride	62	1.752	1.758	-0.006	98	210574	25.0	21.3	
144 Butadiene	54	1.782	1.782	0.000	90	182536	25.0	21.0	
14 Bromomethane	94	2.136	2.142	-0.006	91	146952	25.0	25.3	
15 Chloroethane	64	2.233	2.239	-0.006	99	102374	25.0	18.2	
17 Trichlorofluoromethane	101	2.459	2.459	0.000	98	256887	25.0	22.6	
16 Dichlorofluoromethane	67	2.465	2.465	0.000	97	284605	25.0	20.2	
18 Ethyl ether	59	2.739	2.739	0.000	94	138766	25.0	22.7	
20 Acrolein	56	2.928	2.928	0.000	100	112148	125.0	193.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.983	-0.006	94	150062	25.0	23.2	
22 1,1-Dichloroethene	96	2.995	2.995	0.000	98	149772	25.0	24.2	
23 Acetone	43	3.081	3.087	-0.006	100	278297	125.0	111.8	
25 Iodomethane	142	3.166	3.172	-0.006	99	328762	25.0	25.8	
26 Carbon disulfide	76	3.184	3.190	-0.006	99	543209	25.0	24.4	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	92	251652	25.0	21.2	
27 Methyl acetate	43	3.361	3.367	-0.006	98	266880	50.0	45.6	
30 Methylene Chloride	84	3.501	3.507	-0.006	93	195458	25.0	24.7	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	98	206342	250.0	262.3	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	96	475531	25.0	24.0	
34 trans-1,2-Dichloroethene	96	3.672	3.678	-0.006	98	172221	25.0	24.3	
33 Acrylonitrile	53	3.727	3.733	-0.006	98	701244	250.0	249.7	
35 Hexane	57	3.843	3.843	0.000	92	233215	25.0	22.8	
39 1,1-Dichloroethane	63	4.056	4.056	0.000	96	306005	25.0	22.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	4.093	4.093	0.000	97	787703	50.0	46.0	
44 2,2-Dichloropropane	77	4.513	4.513	0.000	93	192807	25.0	24.0	
45 cis-1,2-Dichloroethene	96	4.544	4.544	0.000	82	195271	25.0	23.9	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	100	455019	125.0	116.3	
48 Chlorobromomethane	128	4.751	4.751	0.000	94	112372	25.0	24.5	
49 Tetrahydrofuran	42	4.763	4.763	0.000	86	114502	50.0	45.6	
50 Chloroform	83	4.806	4.812	-0.006	93	322567	25.0	21.9	
51 1,1,1-Trichloroethane	97	4.910	4.910	0.000	98	255800	25.0	22.7	
52 Cyclohexane	56	4.916	4.916	0.000	91	285210	25.0	23.0	
55 Carbon tetrachloride	117	5.025	5.025	0.000	98	229228	25.0	22.6	
54 1,1-Dichloropropene	75	5.032	5.038	-0.006	97	233620	25.0	23.3	
53 Isobutyl alcohol	43	5.190	5.196	-0.006	93	214978	625.0	656.5	
57 Benzene	78	5.208	5.214	-0.006	97	687075	25.0	23.9	
58 1,2-Dichloroethane	62	5.263	5.269	-0.006	98	247542	25.0	20.5	
59 n-Heptane	43	5.330	5.330	0.000	94	247325	25.0	21.1	
62 Trichloroethene	95	5.708	5.708	0.000	98	191281	25.0	23.9	
64 Methylcyclohexane	83	5.806	5.806	0.000	91	284387	25.0	23.8	
65 1,2-Dichloropropane	63	5.909	5.909	0.000	97	187167	25.0	24.0	
66 1,4-Dioxane	88	6.013	6.013	0.000	95	36897	500.0	651.0	M
67 Dibromomethane	93	6.025	6.025	0.000	94	132031	25.0	23.9	
68 Dichlorobromomethane	83	6.135	6.135	0.000	99	248986	25.0	23.9	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	92	111184	25.0	23.9	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	96	300581	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	96	952703	125.0	115.9	
74 Toluene	92	6.696	6.696	0.000	98	447939	25.0	24.2	
77 trans-1,3-Dichloropropene	75	6.903	6.903	0.000	97	277649	25.0	24.8	
75 Ethyl methacrylate	69	6.909	6.909	0.000	92	239130	25.0	26.0	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	90	154296	25.0	25.4	
81 Tetrachloroethene	166	7.117	7.116	0.000	98	217898	25.0	25.3	
82 1,3-Dichloropropane	76	7.190	7.190	0.000	97	290075	25.0	25.0	
80 2-Hexanone	43	7.214	7.214	0.000	95	686679	125.0	116.0	
83 Chlorodibromomethane	129	7.385	7.385	0.000	89	216904	25.0	26.4	
84 Ethylene Dibromide	107	7.476	7.476	0.000	98	205241	25.0	25.6	
87 Chlorobenzene	112	7.836	7.836	0.000	96	522123	25.0	24.2	
88 Ethylbenzene	91	7.885	7.891	-0.006	98	841517	25.0	23.9	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	96	189385	25.0	25.2	
90 m-Xylene & p-Xylene	106	7.976	7.976	0.000	99	328678	25.0	24.2	
91 o-Xylene	106	8.311	8.311	0.000	97	328333	25.0	24.8	
92 Styrene	104	8.336	8.336	0.000	96	559791	25.0	24.7	
95 Bromoform	173	8.549	8.549	0.000	98	153890	25.0	28.9	
94 Isopropylbenzene	105	8.598	8.598	0.000	95	837659	25.0	22.9	
101 Bromobenzene	156	8.909	8.909	0.000	88	253007	25.0	23.8	
97 1,1,2,2-Tetrachloroethane	83	8.915	8.915	0.000	95	264168	25.0	24.4	
99 N-Propylbenzene	91	8.939	8.939	0.000	99	1028434	25.0	22.8	
98 trans-1,4-Dichloro-2-butene	53	8.952	8.951	0.000	75	62967	25.0	20.2	
100 1,2,3-Trichloropropane	110	8.958	8.958	0.000	86	69068	25.0	23.5	
103 2-Chlorotoluene	126	9.049	9.049	0.000	98	213043	25.0	23.2	
102 1,3,5-Trimethylbenzene	105	9.080	9.079	0.000	94	729271	25.0	23.4	
105 4-Chlorotoluene	126	9.134	9.134	0.000	97	225397	25.0	23.5	
106 tert-Butylbenzene	134	9.354	9.354	0.000	92	144447	25.0	22.9	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	97	739909	25.0	22.8	
109 sec-Butylbenzene	105	9.537	9.537	0.000	94	932083	25.0	22.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	806853	25.0	23.0	
111 1,3-Dichlorobenzene	146	9.683	9.683	0.000	98	461465	25.0	23.6	
113 1,4-Dichlorobenzene	146	9.756	9.756	0.000	97	468885	25.0	23.4	
115 n-Butylbenzene	91	10.000	10.000	0.000	98	738524	25.0	22.8	
116 1,2-Dichlorobenzene	146	10.085	10.085	0.000	99	461725	25.0	23.9	
117 1,2-Dibromo-3-Chloropropane	75	10.774	10.774	0.000	90	43826	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	11.414	11.414	0.000	94	353696	25.0	25.9	
120 Hexachlorobutadiene	225	11.506	11.506	0.000	96	182816	25.0	27.0	
121 Naphthalene	128	11.628	11.628	0.000	97	841837	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	11.817	11.817	0.000	96	336012	25.0	25.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
GAS CORP mix_00424	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

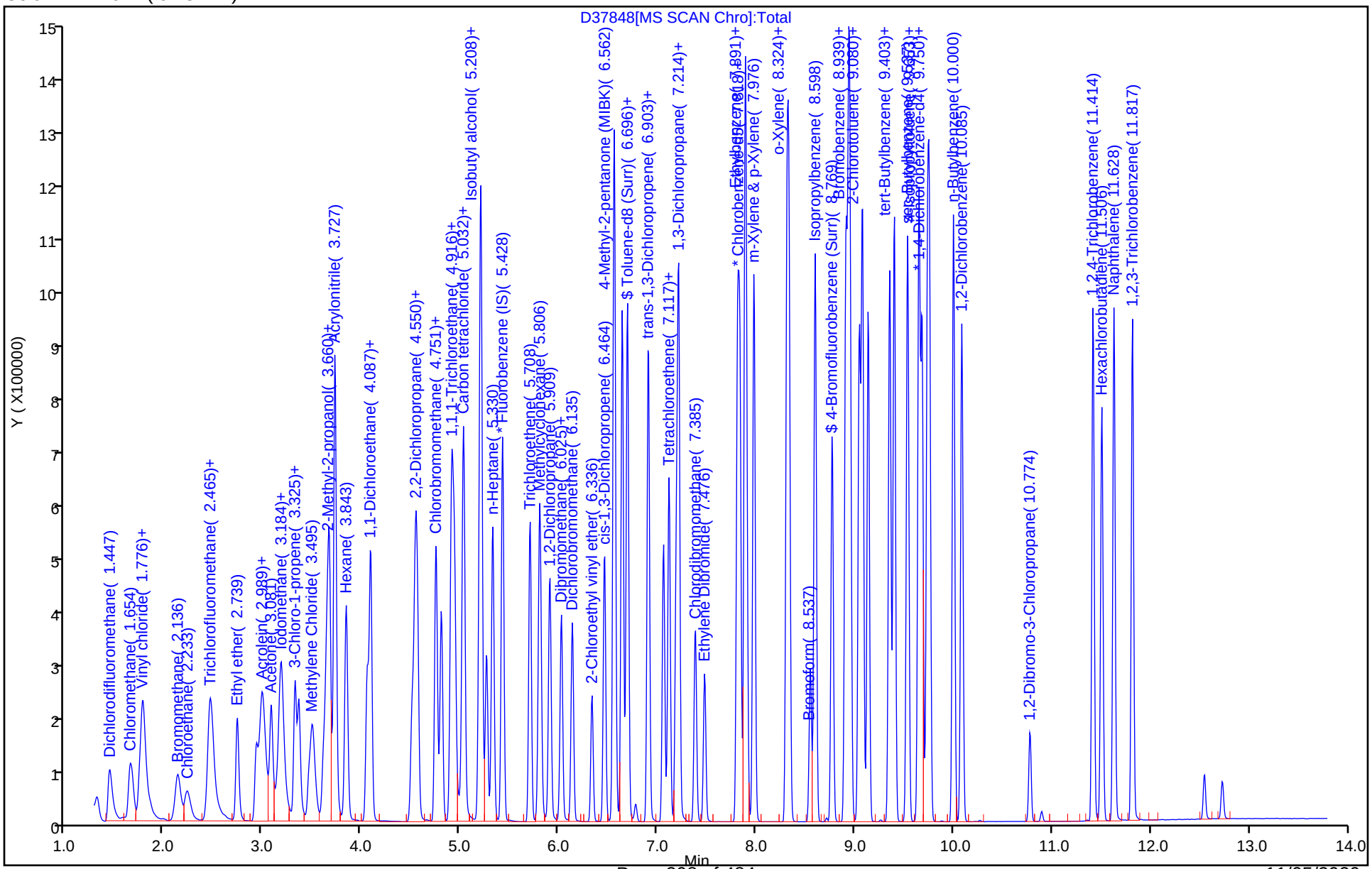
Report Date: 28-Oct-2020 10:31:55 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201028-94508.b\D37848.D

Injection Date:	28-Oct-2020 10:10:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Instrument ID: HP5975D Start Date: 10/10/2020 10:53

Analysis Batch Number: 553342 End Date: 10/10/2020 21:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-553342/5		10/10/2020 10:53	1	D36991.D	ZB-624 (20) 0.18(mm)
IC 480-553342/10		10/10/2020 12:52	1	D36996.D	ZB-624 (20) 0.18(mm)
IC 480-553342/11		10/10/2020 13:16	1	D36997.D	ZB-624 (20) 0.18(mm)
IC 480-553342/12		10/10/2020 13:39	1	D36998.D	ZB-624 (20) 0.18(mm)
IC 480-553342/13		10/10/2020 14:02	1	D36999.D	ZB-624 (20) 0.18(mm)
IC 480-553342/14		10/10/2020 14:25	1	D37000.D	ZB-624 (20) 0.18(mm)
ICIS 480-553342/15		10/10/2020 14:49	1	D37001.D	ZB-624 (20) 0.18(mm)
IC 480-553342/16		10/10/2020 15:12	1	D37002.D	ZB-624 (20) 0.18(mm)
IC 480-553342/17		10/10/2020 15:35	1	D37003.D	ZB-624 (20) 0.18(mm)
MDLV 480-553342/19		10/10/2020 16:22	1		ZB-624 (20) 0.18(mm)
IC 480-553342/22		10/10/2020 17:32	1		ZB-624 (20) 0.18(mm)
IC 480-553342/23		10/10/2020 17:55	1		ZB-624 (20) 0.18(mm)
IC 480-553342/24		10/10/2020 18:18	1		ZB-624 (20) 0.18(mm)
IC 480-553342/25		10/10/2020 18:42	1		ZB-624 (20) 0.18(mm)
IC 480-553342/26		10/10/2020 19:05	1		ZB-624 (20) 0.18(mm)
IC 480-553342/27		10/10/2020 19:28	1		ZB-624 (20) 0.18(mm)
IC 480-553342/28		10/10/2020 19:51	1		ZB-624 (20) 0.18(mm)
MDLV 480-553342/30		10/10/2020 20:38	1		ZB-624 (20) 0.18(mm)
ICV 480-553342/31		10/10/2020 21:01	1	D37017.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Instrument ID: HP5975D Start Date: 10/28/2020 08:59

Analysis Batch Number: 556141 End Date: 10/28/2020 19:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-556141/2		10/28/2020 08:59	1	D37845.D	ZB-624 (20) 0.18(mm)
CCVIS 480-556141/3		10/28/2020 09:24	1	D37846.D	ZB-624 (20) 0.18(mm)
CCV 480-556141/4		10/28/2020 09:47	1		ZB-624 (20) 0.18(mm)
LCS 480-556141/5		10/28/2020 10:10	1	D37848.D	ZB-624 (20) 0.18(mm)
MB 480-556141/7		10/28/2020 10:57	1	D37850.D	ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 11:32	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 12:19	20		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 12:42	10		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 13:06	2		ZB-624 (20) 0.18(mm)
480-177111-1	MW-001	10/28/2020 13:29	1	D37856.D	ZB-624 (20) 0.18(mm)
480-177111-2	MW-5	10/28/2020 13:52	1	D37857.D	ZB-624 (20) 0.18(mm)
480-177111-3	MW-11	10/28/2020 14:16	1	D37858.D	ZB-624 (20) 0.18(mm)
480-177111-4	MW-13	10/28/2020 14:39	1	D37859.D	ZB-624 (20) 0.18(mm)
480-177111-5	MW-15	10/28/2020 15:02	1	D37860.D	ZB-624 (20) 0.18(mm)
480-177111-6	MW-17	10/28/2020 15:25	10	D37861.D	ZB-624 (20) 0.18(mm)
480-177111-7	MW-25	10/28/2020 15:48	1	D37862.D	ZB-624 (20) 0.18(mm)
480-177111-8	MW-28	10/28/2020 16:11	1	D37863.D	ZB-624 (20) 0.18(mm)
480-177111-9	TRIP BLANK	10/28/2020 16:34	1	D37864.D	ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 16:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 17:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 17:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 18:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 18:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 18:53	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 19:16	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/28/2020 19:39	1		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Batch Number: 553342 Batch Start Date: 10/10/20 10:53 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00195	BFB_WRK 00110	D 8260 IS/SUR 00022	GAS CORP mix 00421
BFB 480-553342/5		8260C		1 uL	1 uL		1 uL		
IC 480-553342/10		8260C		5 mL	5 mL	0.4 uL		1 uL	0.4 uL
IC 480-553342/11		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-553342/12		8260C		5 mL	5 mL	2 uL		1 uL	2 uL
IC 480-553342/13		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
IC 480-553342/14		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
ICIS 480-553342/15		8260C		5 mL	5 mL	12.5 uL		1 uL	12.5 uL
IC 480-553342/16		8260C		5 mL	5 mL	25 uL		1 uL	25 uL
IC 480-553342/17		8260C		5 mL	5 mL	50 uL		1 uL	50 uL
ICV 480-553342/31		8260C		5 mL	5 mL			1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS 8260 CORP 00087	SS GAS CORP 00372				
BFB 480-553342/5		8260C							
IC 480-553342/10		8260C							
IC 480-553342/11		8260C							
IC 480-553342/12		8260C							
IC 480-553342/13		8260C							
IC 480-553342/14		8260C							
ICIS 480-553342/15		8260C							
IC 480-553342/16		8260C							
IC 480-553342/17		8260C							

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, Buffalo Job No.: 480-177111-1

SDG No.:

Batch Number: 553342 Batch Start Date: 10/10/20 10:53 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS 8260 CORP 00087	SS GAS CORP 00372				
ICV 480-553342/31		8260C		12.5 uL	12.5 uL				

Batch Notes	

Basis	Basis Description

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, Buffalo Job No.: 480-177111-1

SDG No.:

Batch Number: 556141 Batch Start Date: 10/28/20 08:59 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00196	BFB_WRK 00112	D 8260 IS/SUR 00022
BFB 480-556141/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-556141/3		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-556141/5		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-556141/7		8260C		5 mL	5 mL				1 uL
480-177111-D-1	MW-001	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-177111-D-2	MW-5	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-177111-D-3	MW-11	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-177111-D-4	MW-13	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-177111-D-5	MW-15	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-177111-D-6	MW-17	8260C	T	5 mL	5 mL	11 SU			1 uL
480-177111-D-7	MW-25	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-177111-D-8	MW-28	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-177111-A-9	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00424					
BFB 480-556141/2		8260C							
CCVIS 480-556141/3		8260C		12.5 uL					
LCS 480-556141/5		8260C		12.5 uL					
MB 480-556141/7		8260C							
480-177111-D-1	MW-001	8260C	T						
480-177111-D-2	MW-5	8260C	T						
480-177111-D-3	MW-11	8260C	T						
480-177111-D-4	MW-13	8260C	T						
480-177111-D-5	MW-15	8260C	T						
480-177111-D-6	MW-17	8260C	T						
480-177111-D-7	MW-25	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, Buffalo Job No.: 480-177111-1

SDG No.:

Batch Number: 556141 Batch Start Date: 10/28/20 08:59 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00424					
480-177111-D-8	MW-28	8260C	T						
480-177111-A-9	TRIP BLANK	8260C	T						

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.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
MW-001	480-177111-1	68	51	95	100	93	93
MW-5	480-177111-2	69	51	98	107	61	99
MW-11	480-177111-3	71	52	100	108	86	101
MW-13	480-177111-4	57	41	95	104	56	97
MW-15	480-177111-5	65	49	94	96	83	92
MW-17	480-177111-6	70	55	99	101	98	92
MW-17 DL	480-177111-6 DL	65	46	93	104	86	95
MW-25	480-177111-7	72	53	101	103	98	94
MW-28	480-177111-8	62	47	90	90	79	88
	MB 480-556151/1-A	66	51	90	90	83	98
	LCS 480-556151/2-A	80	66	105	109	114	111

	QC LIMITS
2FP = 2-Fluorophenol	35-120
PHL = Phenol-d5	22-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	41-120
TPHd14 = p-Terphenyl-d14	60-148

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, Buffalo Job No.: 480-177111-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V3147882.D

Lab ID: LCS 480-556151/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Biphenyl	32.0	30.7	96	59-120	
bis (2-chloroisopropyl) ether	32.0	27.6	86	21-136	
2,4,5-Trichlorophenol	32.0	33.3	104	65-126	
2,4,6-Trichlorophenol	32.0	34.7	109	64-120	
2,4-Dichlorophenol	32.0	31.7	99	63-120	
2,4-Dimethylphenol	32.0	32.2	101	47-120	
2,4-Dinitrophenol	64.0	64.9	101	31-137	
2,4-Dinitrotoluene	32.0	35.6	111	69-120	
2,6-Dinitrotoluene	32.0	35.3	110	68-120	
2-Chloronaphthalene	32.0	30.2	94	58-120	
2-Chlorophenol	32.0	29.3	92	48-120	
2-Methylnaphthalene	32.0	29.8	93	59-120	
2-Methylphenol	32.0	29.8	93	39-120	
2-Nitroaniline	32.0	34.3	107	54-127	
2-Nitrophenol	32.0	32.3	101	52-125	
3,3'-Dichlorobenzidine	64.0	67.9	106	49-135	
3-Nitroaniline	32.0	28.0	87	51-120	
4,6-Dinitro-2-methylphenol	64.0	66.4	104	46-136	
4-Bromophenyl phenyl ether	32.0	31.4	98	65-120	
4-Chloro-3-methylphenol	32.0	33.7	105	61-123	
4-Chloroaniline	32.0	25.3	79	30-120	
4-Chlorophenyl phenyl ether	32.0	32.0	100	62-120	
4-Methylphenol	32.0	29.2	91	29-131	
4-Nitroaniline	32.0	33.8	106	65-120	
4-Nitrophenol	64.0	55.9	87	45-120	
Acenaphthene	32.0	31.2	98	60-120	
Acenaphthylene	32.0	32.5	102	63-120	
Acetophenone	32.0	31.2	98	45-120	
Anthracene	32.0	31.2	97	67-120	
Atrazine	64.0	83.4	130	71-130	
Benzaldehyde	64.0	64.7	101	10-140	
Benzo(a)anthracene	32.0	32.2	101	70-121	
Benzo(a)pyrene	32.0	36.6	114	60-123	
Benzo(b)fluoranthene	32.0	38.1	119	66-126	
Benzo(g,h,i)perylene	32.0	36.8	115	66-150	
Benzo(k)fluoranthene	32.0	36.2	113	65-124	
Bis(2-chloroethoxy)methane	32.0	31.9	100	50-128	
Bis(2-chloroethyl)ether	32.0	30.6	96	44-120	
Bis(2-ethylhexyl) phthalate	32.0	32.8	102	63-139	
Butyl benzyl phthalate	32.0	34.6	108	70-129	
Caprolactam	64.0	28.1	44	22-120	
Carbazole	32.0	32.5	102	66-123	

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, Buffalo Job No.: 480-177111-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V3147882.D

Lab ID: LCS 480-556151/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chrysene	32.0	31.6	99	69-120	
Di-n-butyl phthalate	32.0	30.8	96	69-131	
Di-n-octyl phthalate	32.0	33.4	104	63-140	
Dibenz(a,h)anthracene	32.0	37.0	116	65-135	
Dibenzofuran	32.0	31.8	99	66-120	
Diethyl phthalate	32.0	36.1	113	59-127	
Dimethyl phthalate	32.0	36.2	113	68-120	
Fluoranthene	32.0	32.3	101	69-126	
Fluorene	32.0	33.0	103	66-120	
Hexachlorobenzene	32.0	30.2	94	61-120	
Hexachlorobutadiene	32.0	24.3	76	35-120	
Hexachlorocyclopentadiene	32.0	19.8	62	31-120	
Hexachloroethane	32.0	23.9	75	43-120	
Indeno(1,2,3-cd)pyrene	32.0	36.1	113	69-146	
Isophorone	32.0	33.1	103	55-120	
N-Nitrosodi-n-propylamine	32.0	32.6	102	32-140	
Naphthalene	32.0	29.0	91	57-120	
Nitrobenzene	32.0	30.7	96	53-123	
Pentachlorophenol	64.0	65.4	102	29-136	
Phenanthrene	32.0	32.3	101	68-120	
Phenol	32.0	20.3	63	17-120	
Pyrene	32.0	31.4	98	70-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab File ID: V3147881.D Lab Sample ID: MB 480-556151/1-A

Matrix: Water Date Extracted: 10/28/2020 08:42

Instrument ID: HP5973V Date Analyzed: 11/02/2020 22:16

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-556151/2-A	V3147882.D	11/02/2020 22:44
MW-001	480-177111-1	V3147900.D	11/03/2020 06:57
MW-5	480-177111-2	V3147901.D	11/03/2020 07:24
MW-11	480-177111-3	V3147902.D	11/03/2020 07:51
MW-13	480-177111-4	V3147903.D	11/03/2020 08:18
MW-15	480-177111-5	V3147904.D	11/03/2020 08:46
MW-17	480-177111-6	V3147905.D	11/03/2020 09:13
MW-25	480-177111-7	V3147906.D	11/03/2020 09:40
MW-28	480-177111-8	V3147907.D	11/03/2020 10:08
MW-17 DL	480-177111-6 DL	V3147952.D	11/04/2020 08:22

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab File ID: V3147870.D DFTPP Injection Date: 11/02/2020

Instrument ID: HP5973V DFTPP Injection Time: 17:13

Analysis Batch No.: 556960

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	44.2	
68	Less than 2% of mass 69	0.3	(0.7) 1
69	Mass 69 Relative abundance	39.7	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	49.1	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	21.0	
365	Greater than 1% of mass 198	2.5	
441	present but less than 24% of mass 442	11.3	(15.7) 2
442	Greater than 50% of mass 198	71.9	
443	15-24% of mass 442	14.0	(19.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-556960/3	V3147871.D	11/02/2020	17:40
	IC 480-556960/4	V3147872.D	11/02/2020	18:08
	IC 480-556960/5	V3147873.D	11/02/2020	18:35
	IC 480-556960/6	V3147874.D	11/02/2020	19:02
	ICIS 480-556960/7	V3147875.D	11/02/2020	19:30
	IC 480-556960/8	V3147876.D	11/02/2020	19:58
	IC 480-556960/9	V3147877.D	11/02/2020	20:26
	IC 480-556960/10	V3147878.D	11/02/2020	20:54
	ICV 480-556960/11	V3147879.D	11/02/2020	21:22
	CCVIS 480-556960/12	V3147880.D	11/02/2020	21:49
	MB 480-556151/1-A	V3147881.D	11/02/2020	22:16
	LCS 480-556151/2-A	V3147882.D	11/02/2020	22:44

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab File ID: V3147896.D DFTPP Injection Date: 11/03/2020

Instrument ID: HP5973V DFTPP Injection Time: 05:07

Analysis Batch No.: 556964

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	42.7	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	38.6	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	48.1	
197	Less than 2% of mass 198	0.1	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	21.3	
365	Greater than 1% of mass 198	2.4	
441	present but less than 24% of mass 442	10.8	(15.0) 2
442	Greater than 50% of mass 198	71.9	
443	15-24% of mass 442	14.0	(19.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-556964/3	V3147897.D	11/03/2020	5:35
MW-001	480-177111-1	V3147900.D	11/03/2020	6:57
MW-5	480-177111-2	V3147901.D	11/03/2020	7:24
MW-11	480-177111-3	V3147902.D	11/03/2020	7:51
MW-13	480-177111-4	V3147903.D	11/03/2020	8:18
MW-15	480-177111-5	V3147904.D	11/03/2020	8:46
MW-17	480-177111-6	V3147905.D	11/03/2020	9:13
MW-25	480-177111-7	V3147906.D	11/03/2020	9:40
MW-28	480-177111-8	V3147907.D	11/03/2020	10:08

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab File ID: V3147937.D DFTPP Injection Date: 11/04/2020

Instrument ID: HP5973V DFTPP Injection Time: 01:28

Analysis Batch No.: 557147

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	47.1	
68	Less than 2% of mass 69	0.5	(1.3) 1
69	Mass 69 Relative abundance	41.2	
70	Less than 2% of mass 69	0.1	(0.3) 1
127	10-80% of Base Peak	50.7	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	20.9	
365	Greater than 1% of mass 198	2.3	
441	present but less than 24% of mass 442	9.6	(15.0) 2
442	Greater than 50% of mass 198	64.2	
443	15-24% of mass 442	12.9	(20.1) 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
	CCVIS 480-557147/3	V3147938.D	11/04/2020	1:55
MW-17 DL	480-177111-6 DL	V3147952.D	11/04/2020	8:22

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: ICIS 480-556960/7 Date Analyzed: 11/02/2020 19:30

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V3147875.D Heated Purge: (Y/N) N

Calibration ID: 40531

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		196771	6.26	772773	7.35	419538	8.81
UPPER LIMIT		393542	6.76	1545546	7.85	839076	9.31
LOWER LIMIT		98386	5.76	386387	6.85	209769	8.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-556960/11		178337	6.26	700900	7.35	378765	8.81
CCVIS 480-556960/12		179853	6.26	700860	7.35	376087	8.81
CCVIS 480-556964/3		171981	6.26	692377	7.35	373485	8.81
CCVIS 480-557147/3		168655	6.25	652218	7.35	352734	8.81

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, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: ICIS 480-556960/7 Date Analyzed: 11/02/2020 19:30

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V3147875.D Heated Purge: (Y/N) N

Calibration ID: 40531

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		664966	10.04	595087	12.46	500942	14.34
UPPER LIMIT		1329932	10.54	1190174	12.96	1001884	14.84
LOWER LIMIT		332483	9.54	297544	11.96	250471	13.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-556960/11		633458	10.04	593194	12.46	443133	14.34
CCVIS 480-556960/12		602394	10.04	538830	12.46	454272	14.34
CCVIS 480-556964/3		586881	10.04	532495	12.46	450427	14.34
CCVIS 480-557147/3		554166	10.04	495460	12.46	446725	14.34

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, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: CCVIS 480-556960/12 Date Analyzed: 11/02/2020 21:49

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V3147880.D Heated Purge: (Y/N) N

Calibration ID: 40531

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		179853	6.26	700860	7.35	376087	8.81
UPPER LIMIT		359706	6.76	1401720	7.85	752174	9.31
LOWER LIMIT		89927	5.76	350430	6.85	188044	8.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-556151/1-A		165514	6.26	660406	7.35	358023	8.81
LCS 480-556151/2-A		164773	6.26	660709	7.35	354673	8.81

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, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: CCVIS 480-556960/12 Date Analyzed: 11/02/2020 21:49

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V3147880.D Heated Purge: (Y/N) N

Calibration ID: 40531

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		602394	10.04	538830	12.46	454272	14.34
UPPER LIMIT		1204788	10.54	1077660	12.96	908544	14.84
LOWER LIMIT		301197	9.54	269415	11.96	227136	13.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-556151/1-A		567337	10.03	523855	12.46	381054	14.34
LCS 480-556151/2-A		607041	10.04	539021	12.46	418604	14.34

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, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: CCVIS 480-556964/3 Date Analyzed: 11/03/2020 05:35

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V3147897.D Heated Purge: (Y/N) N

Calibration ID: 40531

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		171981	6.26	692377	7.35	373485	8.81
UPPER LIMIT		343962	6.76	1384754	7.85	746970	9.31
LOWER LIMIT		85991	5.76	346189	6.85	186743	8.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-177111-1	MW-001	155805	6.26	620904	7.35	331651	8.81
480-177111-2	MW-5	164717	6.26	649124	7.35	354109	8.81
480-177111-3	MW-11	165865	6.26	649374	7.35	348302	8.81
480-177111-4	MW-13	170255	6.26	655623	7.35	351569	8.81
480-177111-5	MW-15	165330	6.26	651421	7.35	351658	8.81
480-177111-6	MW-17	161957	6.26	642285	7.35	349860	8.81
480-177111-7	MW-25	164021	6.26	645484	7.35	351854	8.81
480-177111-8	MW-28	157294	6.26	628736	7.35	343181	8.81

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, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: CCVIS 480-556964/3 Date Analyzed: 11/03/2020 05:35

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V3147897.D Heated Purge: (Y/N) N

Calibration ID: 40531

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		586881	10.04	532495	12.46	450427	14.34
UPPER LIMIT		1173762	10.54	1064990	12.96	900854	14.84
LOWER LIMIT		293441	9.54	266248	11.96	225214	13.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-177111-1	MW-001	549909	10.03	490186	12.46	377098	14.34
480-177111-2	MW-5	605085	10.03	519086	12.46	387633	14.34
480-177111-3	MW-11	549546	10.03	511415	12.46	392853	14.35
480-177111-4	MW-13	550035	10.03	517340	12.46	389189	14.34
480-177111-5	MW-15	570145	10.03	506063	12.46	391963	14.34
480-177111-6	MW-17	587083	10.04	516996	12.46	367829	14.34
480-177111-7	MW-25	567250	10.03	498609	12.46	381929	14.34
480-177111-8	MW-28	544160	10.03	490034	12.46	355116	14.34

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, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: CCVIS 480-557147/3 Date Analyzed: 11/04/2020 01:55

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V3147938.D Heated Purge: (Y/N) N

Calibration ID: 40553

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		168655	6.25	652218	7.35	352734	8.81
UPPER LIMIT		337310	6.75	1304436	7.85	705468	9.31
LOWER LIMIT		84328	5.75	326109	6.85	176367	8.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-177111-6 DL	MW-17 DL	156803	6.26	605864	7.35	326089	8.81

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, Buffalo Job No.: 480-177111-1

SDG No.:

Sample No.: CCVIS 480-557147/3 Date Analyzed: 11/04/2020 01:55

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V3147938.D Heated Purge: (Y/N) N

Calibration ID: 40553

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		554166	10.04	495460	12.46	446725	14.34
UPPER LIMIT		1108332	10.54	990920	12.96	893450	14.84
LOWER LIMIT		277083	9.54	247730	11.96	223363	13.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-177111-6 DL	MW-17 DL	486942	10.03	465078	12.46	363515	14.34

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, Buffalo | Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-001 | Lab Sample ID: 480-177111-1

Matrix: Water | Lab File ID: V3147900.D

Analysis Method: 8270D | Date Collected: 10/23/2020 11:00

Extract. Method: 3510C | Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) | Date Analyzed: 11/03/2020 06:57

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

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

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

Analysis Batch No.: 556964 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	4.2	J	5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	0.53	J	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-001 Lab Sample ID: 480-177111-1

Matrix: Water Lab File ID: V3147900.D

Analysis Method: 8270D Date Collected: 10/23/2020 11:00

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 06:57

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	0.65	J	10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	1.6	J	5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	0.48	J	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-001 Lab Sample ID: 480-177111-1

Matrix: Water Lab File ID: V3147900.D

Analysis Method: 8270D Date Collected: 10/23/2020 11:00

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 06:57

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	93		41-120
321-60-8	2-Fluorobiphenyl	100		48-120
367-12-4	2-Fluorophenol	68		35-120
4165-60-0	Nitrobenzene-d5	95		46-120
1718-51-0	p-Terphenyl-d14	93		60-148
4165-62-2	Phenol-d5	51		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147900.D
Lims ID: 480-177111-B-1-A
Client ID: MW-001
Sample Type: Client
Inject. Date: 03-Nov-2020 06:57:30 ALS Bottle#: 32 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-032
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:52:18 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:47:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.262	6.256	0.006	98	155805	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	620904	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	331651	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	97	549909	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	99	490186	4.00	
* 6 Perylene-d12	264	14.339	14.344	-0.005	96	377098	4.00	
$ 7 2-Fluorophenol	112	5.113	5.092	0.021	94	301848	5.47	
$ 8 Phenol-d5	99	5.941	5.941	0.000	92	282347	4.11	
$ 9 Nitrobenzene-d5	82	6.732	6.737	-0.005	91	444231	7.62	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	99	833399	8.03	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	94	100540	7.47	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	905031	7.43	
71 Benzaldehyde	77		5.877				ND	
72 Phenol	94		5.952				ND	
74 Bis(2-chloroethyl)ether	93		6.026				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.497				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
88 4-Methylphenol	108		6.609				ND	
86 Acetophenone	105		6.609				ND	
89 Hexachloroethane	117		6.700				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.025				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128		7.367				ND	
108 4-Chloroaniline	127		7.410				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.811				ND	
121 2-Methylnaphthalene	142		7.944				ND	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.179				ND	
129 2,4,5-Trichlorophenol	196		8.211				ND	
130 1,1'-Biphenyl	154		8.324				ND	
131 2-Chloronaphthalene	162		8.350				ND	
132 2-Nitroaniline	65		8.425				ND	
134 Dimethyl phthalate	163		8.569				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152	8.692	8.692	0.000	97	8062	0.0609	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153	8.837	8.837	0.001	93	103033	1.06	
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.901				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	
145 Dibenzofuran	168	8.975	8.981	-0.006	97	20355	0.1632	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166	9.259	9.259	0.000	90	4050	0.0392	
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169	9.317	9.339	-0.027	74	1150	0.0151	
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178	10.055	10.055	0.000	50	5907	0.0381	
180 Anthracene	178		10.097				ND	
181 Carbazole	167		10.225				ND	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202	11.038	11.043	-0.005	96	63700	0.3909	
193 Pyrene	202	11.241	11.241	0.000	96	20349	0.1198	
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149	12.421	12.427	-0.005	95	10980	0.0930	
205 Benzo[a]anthracene	228		12.448				ND	
207 Chrysene	228		12.491				ND	
208 Di-n-octyl phthalate	149		13.233				ND	
209 Benzo[b]fluoranthene	252	13.805	13.815	-0.010	92	16022	0.1330	
211 Benzo[k]fluoranthene	252		13.853				ND	
213 Benzo[a]pyrene	252	14.264	14.270	-0.006	78	8448	0.0871	
215 Indeno[1,2,3-cd]pyrene	276		15.862				ND	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276		16.252				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

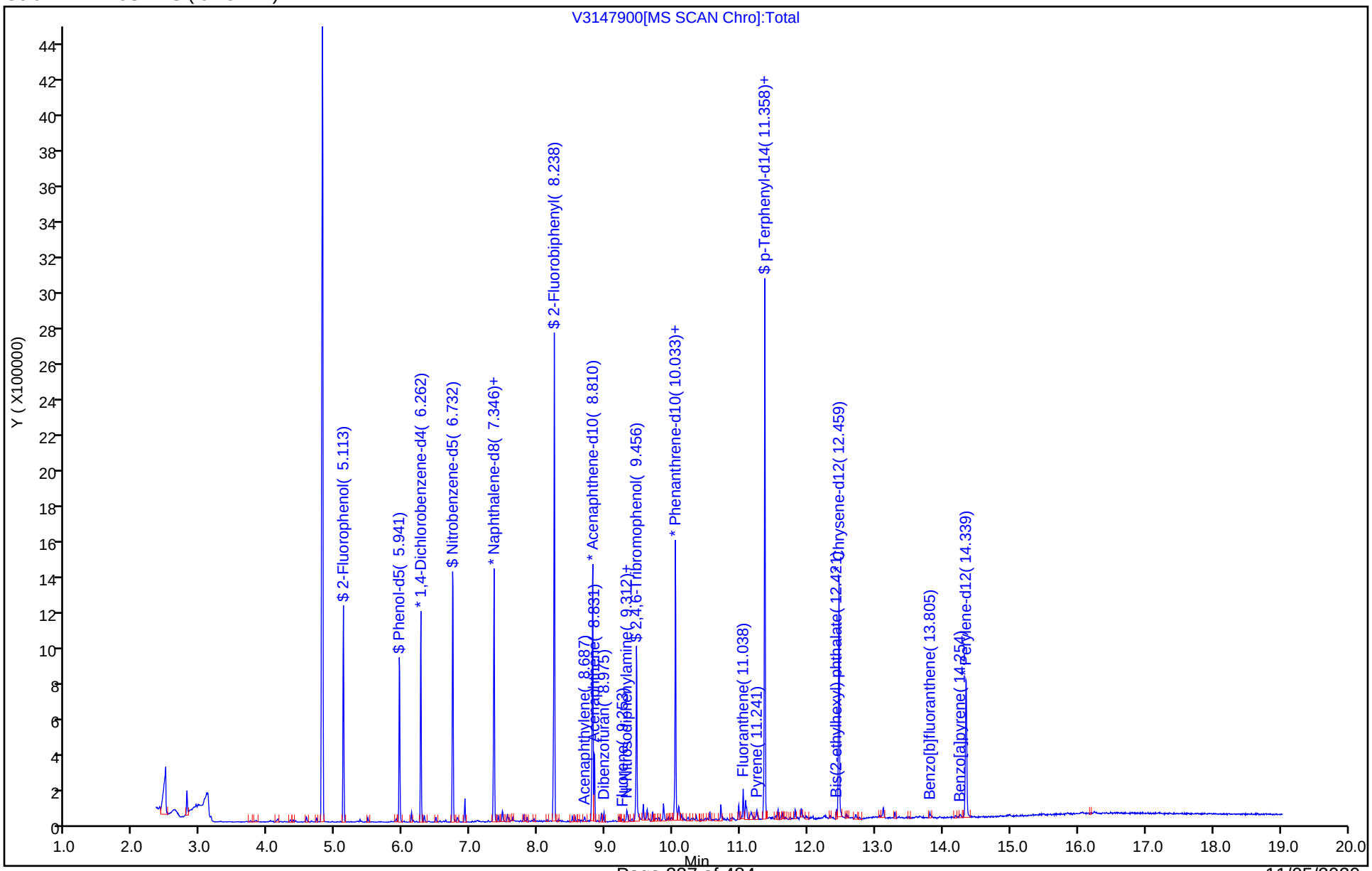
Report Date: 03-Nov-2020 14:52:57 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147900.D

Injection Date:	03-Nov-2020 06:57:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	480-177111-B-1-A	Lab Sample ID:	480-177111-1	Worklist Smp#:	6
Client ID:	MW-001				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

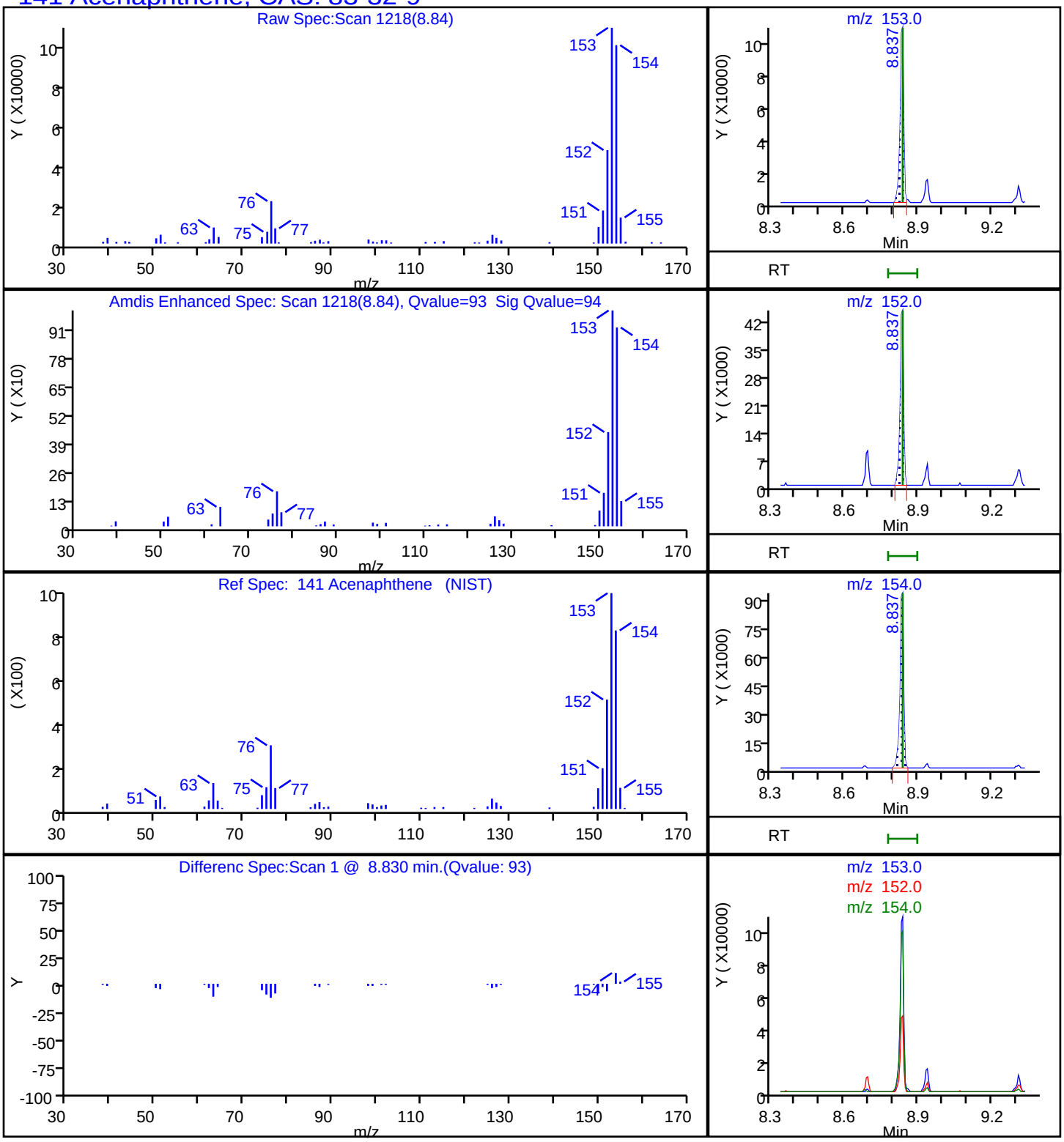
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Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147900.D				
Injection Date:	03-Nov-2020 06:57:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-1-A	Lab Sample ID:	480-177111-1		
Client ID:	MW-001				
Operator ID:	JM	ALS Bottle#:	32	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

141 Acenaphthene, CAS: 83-32-9



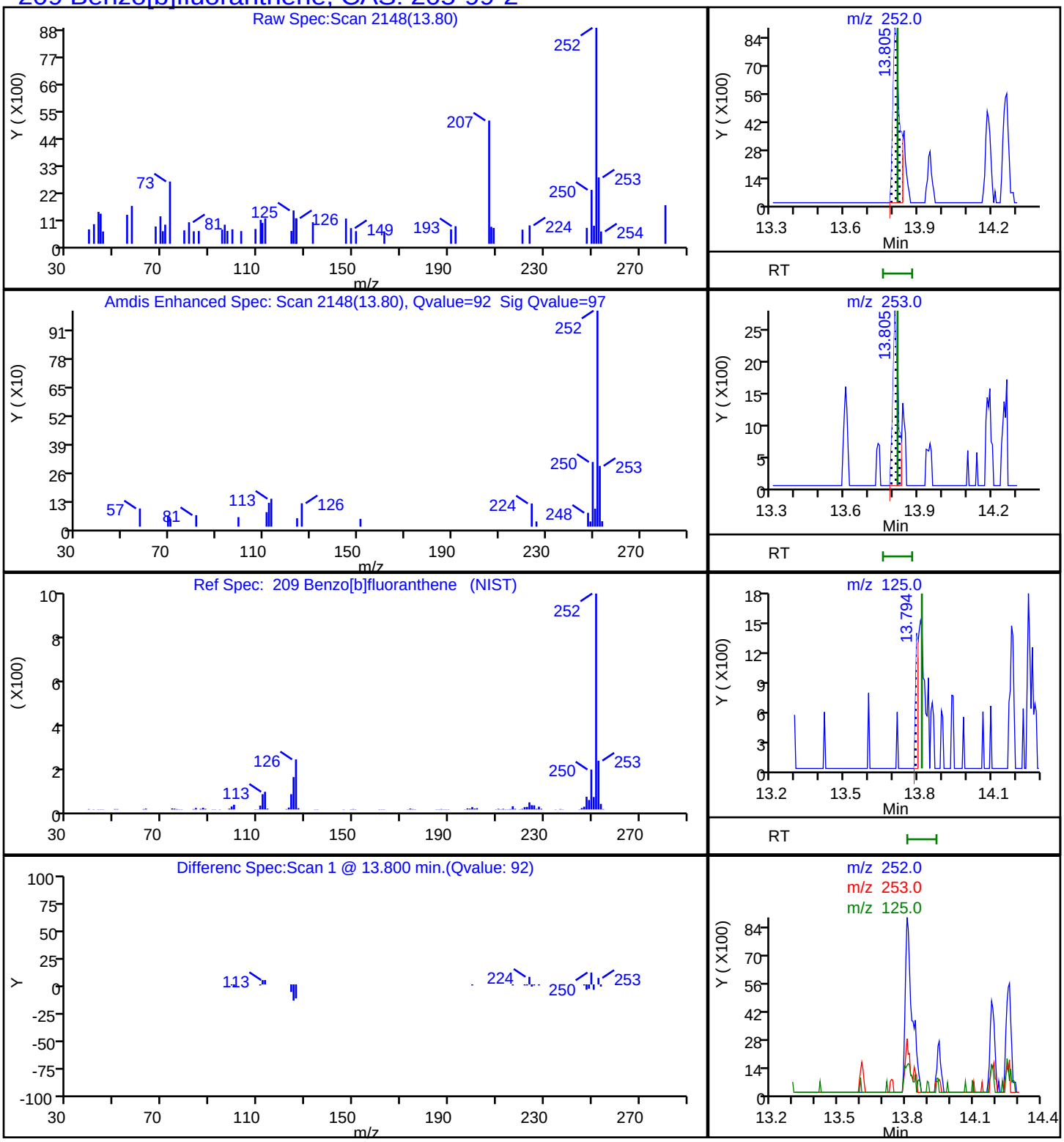
Report Date: 03-Nov-2020 14:52:57 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147900.D

Injection Date:	03-Nov-2020 06:57:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-1-A	Lab Sample ID:	480-177111-1		
Client ID:	MW-001				
Operator ID:	JM	ALS Bottle#:	32	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

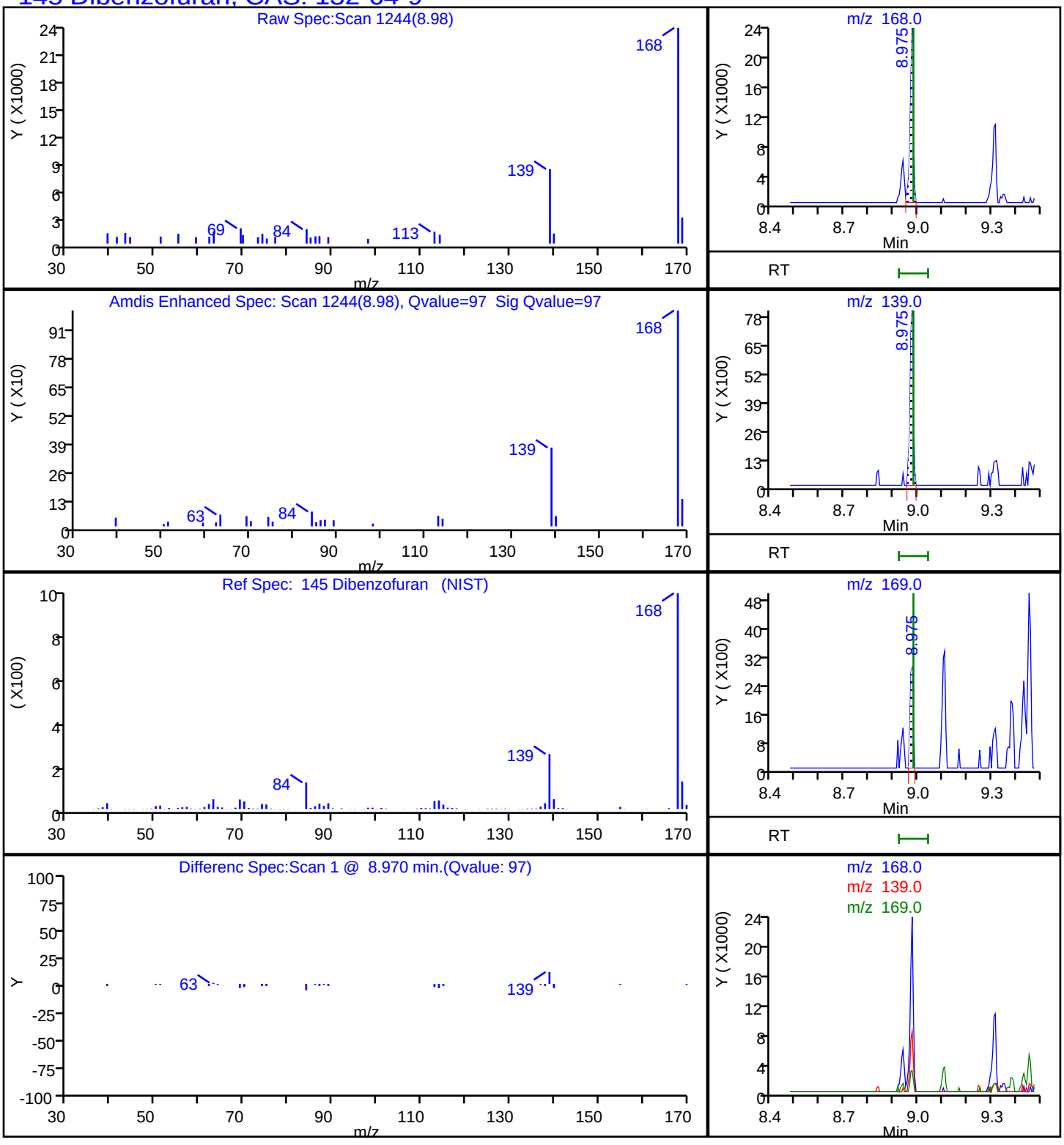
209 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147900.D				
Injection Date:	03-Nov-2020 06:57:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-1-A	Lab Sample ID:	480-177111-1		
Client ID:	MW-001				
Operator ID:	JM	ALS Bottle#:	32	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

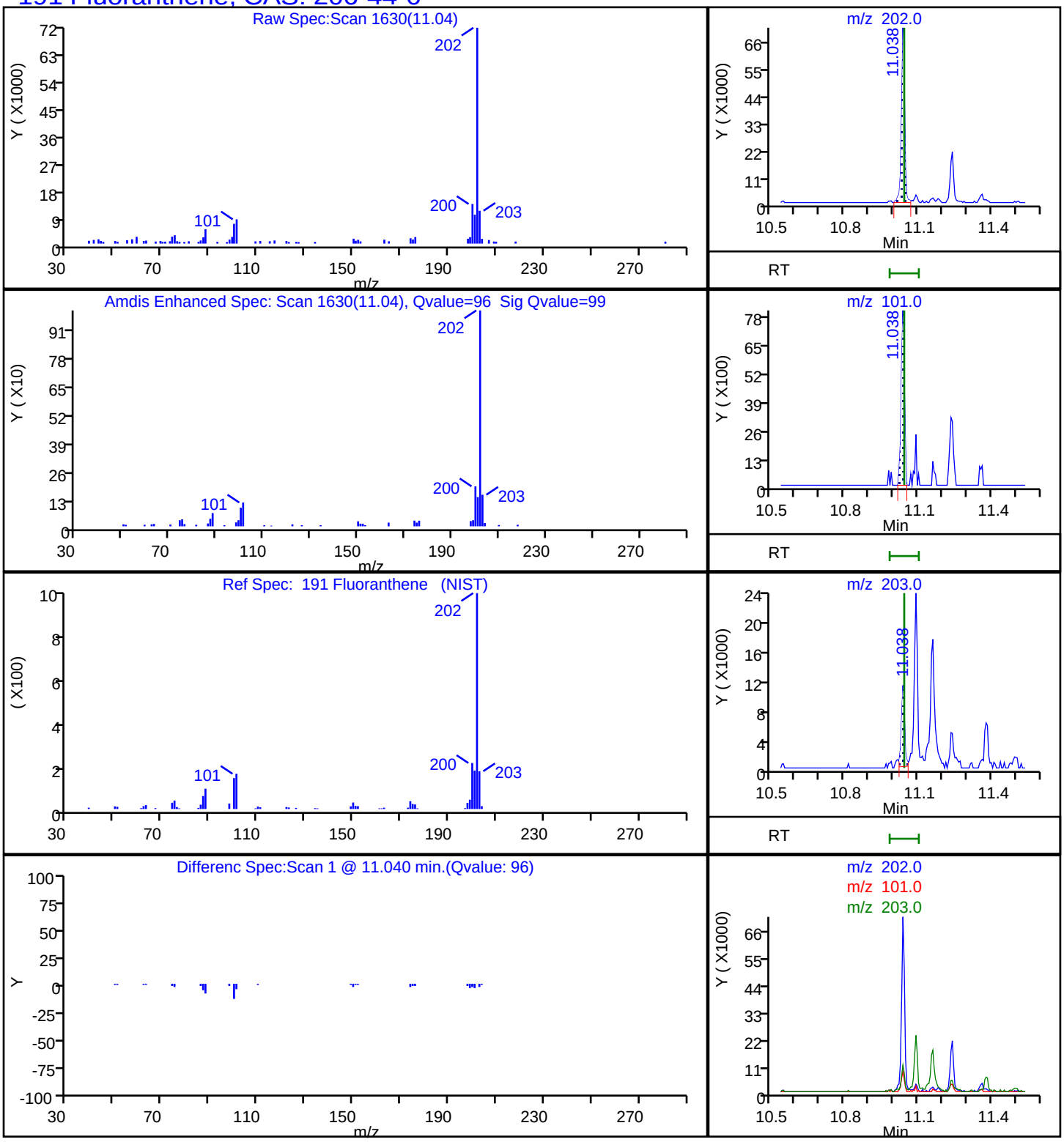
145 Dibenzofuran, CAS: 132-64-9



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147900.D				
Injection Date:	03-Nov-2020 06:57:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-1-A	Lab Sample ID:	480-177111-1		
Client ID:	MW-001				
Operator ID:	JM	ALS Bottle#:	32	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

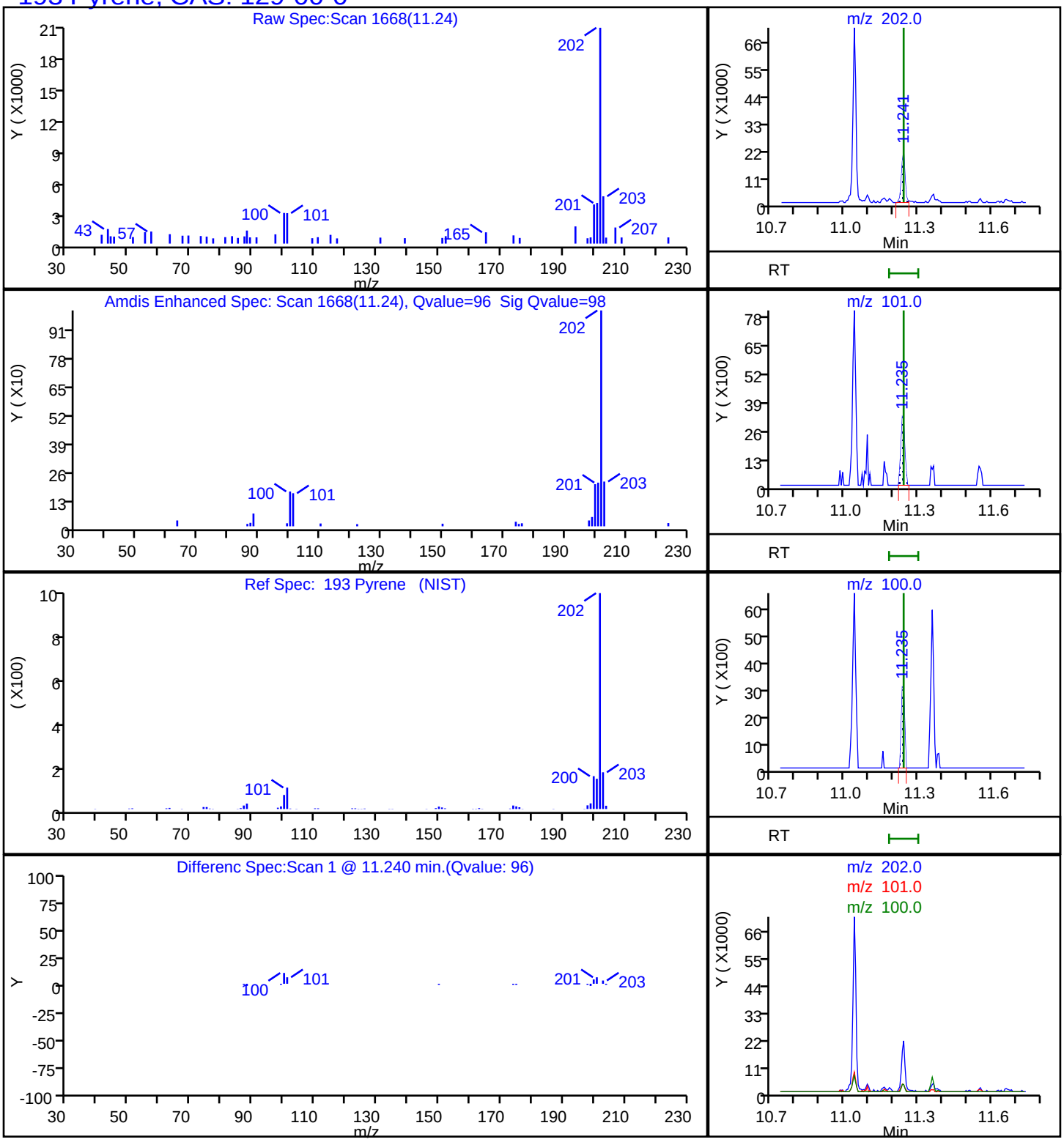
191 Fluoranthene, CAS: 206-44-0



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147900.D				
Injection Date:	03-Nov-2020 06:57:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-1-A	Lab Sample ID:	480-177111-1		
Client ID:	MW-001				
Operator ID:	JM	ALS Bottle#:	32	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

193 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-5 Lab Sample ID: 480-177111-2

Matrix: Water Lab File ID: V3147901.D

Analysis Method: 8270D Date Collected: 10/23/2020 13:01

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 07:24

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		25	3.3
108-60-1	bis (2-chloroisopropyl) ether	ND		25	2.6
95-95-4	2,4,5-Trichlorophenol	ND		25	2.4
88-06-2	2,4,6-Trichlorophenol	ND		25	3.1
120-83-2	2,4-Dichlorophenol	ND		25	2.6
105-67-9	2,4-Dimethylphenol	ND		25	2.5
51-28-5	2,4-Dinitrophenol	ND		50	11
121-14-2	2,4-Dinitrotoluene	ND		25	2.2
606-20-2	2,6-Dinitrotoluene	ND		25	2.0
91-58-7	2-Chloronaphthalene	ND		25	2.3
95-57-8	2-Chlorophenol	ND		25	2.7
91-57-6	2-Methylnaphthalene	ND		25	3.0
95-48-7	2-Methylphenol	ND		25	2.0
88-74-4	2-Nitroaniline	ND		50	2.1
88-75-5	2-Nitrophenol	ND		25	2.4
91-94-1	3,3'-Dichlorobenzidine	ND		25	2.0
99-09-2	3-Nitroaniline	ND		50	2.4
534-52-1	4,6-Dinitro-2-methylphenol	ND		50	11
101-55-3	4-Bromophenyl phenyl ether	ND		25	2.3
59-50-7	4-Chloro-3-methylphenol	ND		25	2.3
106-47-8	4-Chloroaniline	ND		25	3.0
7005-72-3	4-Chlorophenyl phenyl ether	ND		25	1.8
106-44-5	4-Methylphenol	ND		50	1.8
100-01-6	4-Nitroaniline	ND		50	1.3
100-02-7	4-Nitrophenol	ND		50	7.6
83-32-9	Acenaphthene	ND		25	2.1
208-96-8	Acenaphthylene	ND		25	1.9
98-86-2	Acetophenone	ND		25	2.7
120-12-7	Anthracene	ND		25	1.4
1912-24-9	Atrazine	ND		25	2.3
100-52-7	Benzaldehyde	ND		25	1.3
56-55-3	Benzo(a)anthracene	ND		25	1.8
50-32-8	Benzo(a)pyrene	ND		25	2.4
205-99-2	Benzo(b)fluoranthene	ND		25	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-5 Lab Sample ID: 480-177111-2

Matrix: Water Lab File ID: V3147901.D

Analysis Method: 8270D Date Collected: 10/23/2020 13:01

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 07:24

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		25	1.8
207-08-9	Benzo(k)fluoranthene	ND		25	3.7
111-91-1	Bis(2-chloroethoxy)methane	ND		25	1.8
111-44-4	Bis(2-chloroethyl)ether	ND		25	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		25	11
85-68-7	Butyl benzyl phthalate	ND		25	5.0
105-60-2	Caprolactam	ND		25	11
86-74-8	Carbazole	ND		25	1.5
218-01-9	Chrysene	ND		25	1.7
84-74-2	Di-n-butyl phthalate	ND		25	1.6
117-84-0	Di-n-octyl phthalate	ND		25	2.4
53-70-3	Dibenz(a,h)anthracene	ND		25	2.1
132-64-9	Dibenzofuran	ND		50	2.6
84-66-2	Diethyl phthalate	ND		25	1.1
131-11-3	Dimethyl phthalate	ND		25	1.8
206-44-0	Fluoranthene	ND		25	2.0
86-73-7	Fluorene	ND		25	1.8
118-74-1	Hexachlorobenzene	ND		25	2.6
87-68-3	Hexachlorobutadiene	ND		25	3.4
77-47-4	Hexachlorocyclopentadiene	ND		25	3.0
67-72-1	Hexachloroethane	ND		25	3.0
193-39-5	Indeno(1,2,3-cd)pyrene	ND		25	2.4
78-59-1	Isophorone	ND		25	2.2
621-64-7	N-Nitrosodi-n-propylamine	ND		25	2.7
86-30-6	N-Nitrosodiphenylamine	ND		25	2.6
91-20-3	Naphthalene	ND		25	3.8
98-95-3	Nitrobenzene	ND		25	1.5
87-86-5	Pentachlorophenol	ND		50	11
85-01-8	Phenanthrene	ND		25	2.2
108-95-2	Phenol	ND		25	2.0
129-00-0	Pyrene	ND		25	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-5 Lab Sample ID: 480-177111-2

Matrix: Water Lab File ID: V3147901.D

Analysis Method: 8270D Date Collected: 10/23/2020 13:01

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 07:24

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	61		41-120
321-60-8	2-Fluorobiphenyl	107		48-120
367-12-4	2-Fluorophenol	69		35-120
4165-60-0	Nitrobenzene-d5	98		46-120
1718-51-0	p-Terphenyl-d14	99		60-148
4165-62-2	Phenol-d5	51		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147901.D
Lims ID: 480-177111-A-2-A
Client ID: MW-5
Sample Type: Client
Inject. Date: 03-Nov-2020 07:24:30 ALS Bottle#: 33 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 480-0094634-033
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:52:18 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:48:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	164717	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	649124	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	354109	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	97	605085	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	98	519086	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	96	387633	4.00	
$ 7 2-Fluorophenol	112	5.108	5.092	0.016	94	64380	1.10	
$ 8 Phenol-d5	99	5.946	5.941	0.005	91	59405	0.8177	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	90	95495	1.57	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	188958	1.70	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	88	14395	0.9725	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	204441	1.58	
71 Benzaldehyde	77		5.877				ND	
72 Phenol	94		5.952				ND	
74 Bis(2-chloroethyl)ether	93		6.026				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.497				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
88 4-Methylphenol	108		6.609				ND	
86 Acetophenone	105		6.609				ND	
89 Hexachloroethane	117		6.700				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.025				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128		7.367				ND	
108 4-Chloroaniline	127		7.410				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.811				ND	
121 2-Methylnaphthalene	142		7.944				ND	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.179				ND	
129 2,4,5-Trichlorophenol	196		8.211				ND	
130 1,1'-Biphenyl	154		8.324				ND	
131 2-Chloronaphthalene	162		8.350				ND	
132 2-Nitroaniline	65		8.425				ND	
134 Dimethyl phthalate	163		8.569				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152		8.692				ND	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153		8.837				ND	
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.901				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	
145 Dibenzofuran	168		8.981				ND	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166		9.259				ND	
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169		9.344				ND	
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178		10.055				ND	
180 Anthracene	178		10.097				ND	
181 Carbazole	167		10.225				ND	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202	11.038	11.043	-0.005	98	7796	0.0435	
193 Pyrene	202	11.241	11.241	0.000	98	7533	0.0419	a
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149		12.427				ND	
205 Benzo[a]anthracene	228		12.448				ND	
207 Chrysene	228	12.485	12.491	-0.006	94	3967	0.0245	
208 Di-n-octyl phthalate	149		13.233				ND	
209 Benzo[b]fluoranthene	252	13.805	13.815	-0.010	92	4297	0.0347	
211 Benzo[k]fluoranthene	252		13.853				ND	
213 Benzo[a]pyrene	252		14.270				ND	
215 Indeno[1,2,3-cd]pyrene	276		15.862				ND	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276		16.252				ND	

QC Flag Legend

Processing Flags

Review Flags
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

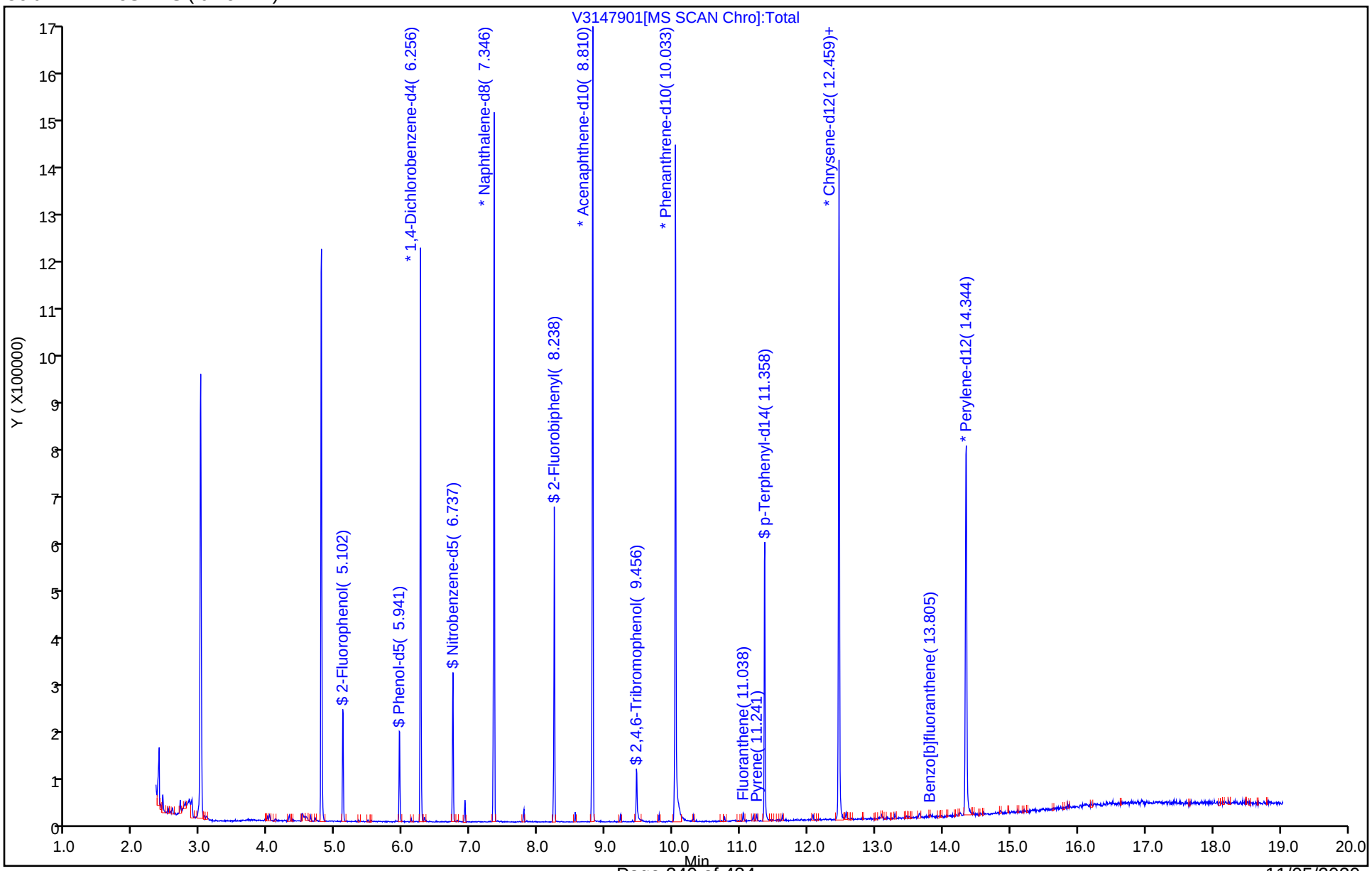
Report Date: 03-Nov-2020 14:52:58 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147901.D

Injection Date:	03-Nov-2020 07:24:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	480-177111-A-2-A	Lab Sample ID:	480-177111-2	Worklist Smp#:	7
Client ID:	MW-5				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	33
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

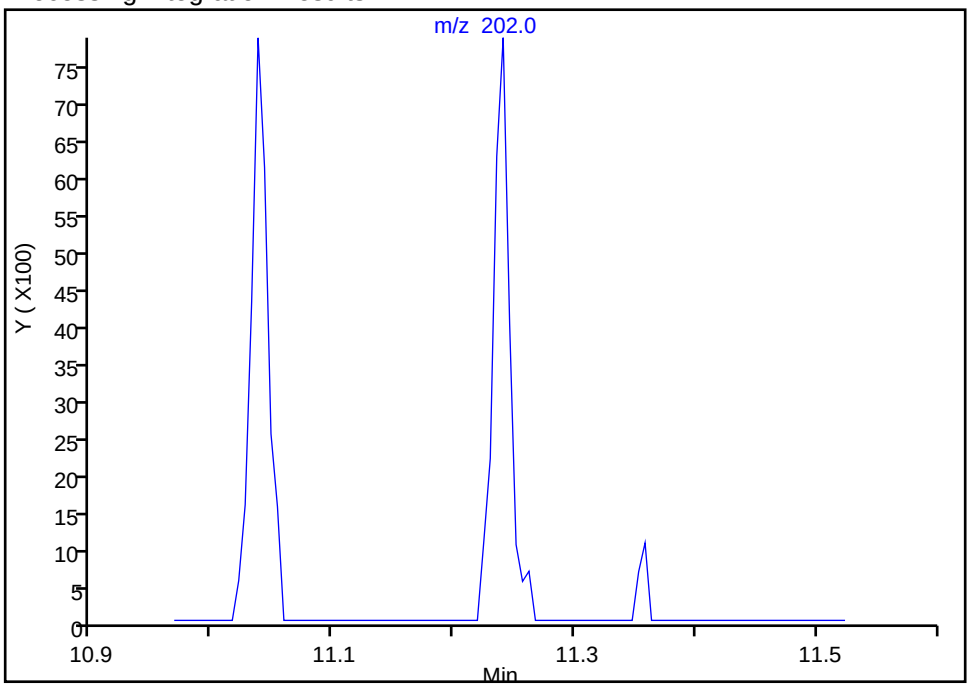
Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147901.D				
Injection Date:	03-Nov-2020 07:24:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-A-2-A	Lab Sample ID:	480-177111-2		
Client ID:	MW-5				
Operator ID:	JM	ALS Bottle#:	33	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

193 Pyrene, CAS: 129-00-0

Signal: 1

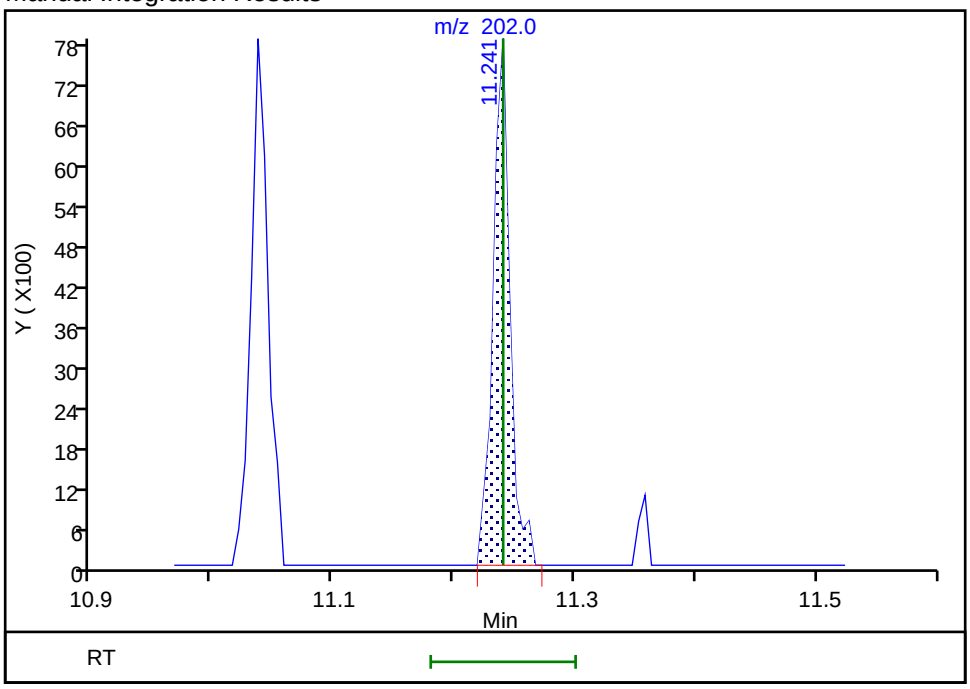
Not Detected
Expected RT: 11.24

Processing Integration Results



Manual Integration Results

RT: 11.24
Area: 7533
Amount: 0.041870
Amount Units: ng/uL



Reviewer: schickr, 03-Nov-2020 14:48:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-11 Lab Sample ID: 480-177111-3

Matrix: Water Lab File ID: V3147902.D

Analysis Method: 8270D Date Collected: 10/23/2020 11:45

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 07:51

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		25	3.3
108-60-1	bis (2-chloroisopropyl) ether	ND		25	2.6
95-95-4	2,4,5-Trichlorophenol	ND		25	2.4
88-06-2	2,4,6-Trichlorophenol	ND		25	3.1
120-83-2	2,4-Dichlorophenol	ND		25	2.6
105-67-9	2,4-Dimethylphenol	ND		25	2.5
51-28-5	2,4-Dinitrophenol	ND		50	11
121-14-2	2,4-Dinitrotoluene	ND		25	2.2
606-20-2	2,6-Dinitrotoluene	ND		25	2.0
91-58-7	2-Chloronaphthalene	ND		25	2.3
95-57-8	2-Chlorophenol	ND		25	2.7
91-57-6	2-Methylnaphthalene	ND		25	3.0
95-48-7	2-Methylphenol	ND		25	2.0
88-74-4	2-Nitroaniline	ND		50	2.1
88-75-5	2-Nitrophenol	ND		25	2.4
91-94-1	3,3'-Dichlorobenzidine	ND		25	2.0
99-09-2	3-Nitroaniline	ND		50	2.4
534-52-1	4,6-Dinitro-2-methylphenol	ND		50	11
101-55-3	4-Bromophenyl phenyl ether	ND		25	2.3
59-50-7	4-Chloro-3-methylphenol	ND		25	2.3
106-47-8	4-Chloroaniline	ND		25	3.0
7005-72-3	4-Chlorophenyl phenyl ether	ND		25	1.8
106-44-5	4-Methylphenol	ND		50	1.8
100-01-6	4-Nitroaniline	ND		50	1.3
100-02-7	4-Nitrophenol	ND		50	7.6
83-32-9	Acenaphthene	ND		25	2.1
208-96-8	Acenaphthylene	ND		25	1.9
98-86-2	Acetophenone	ND		25	2.7
120-12-7	Anthracene	ND		25	1.4
1912-24-9	Atrazine	ND		25	2.3
100-52-7	Benzaldehyde	ND		25	1.3
56-55-3	Benzo(a)anthracene	ND		25	1.8
50-32-8	Benzo(a)pyrene	ND		25	2.4
205-99-2	Benzo(b)fluoranthene	ND		25	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-11 Lab Sample ID: 480-177111-3

Matrix: Water Lab File ID: V3147902.D

Analysis Method: 8270D Date Collected: 10/23/2020 11:45

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 07:51

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		25	1.8
207-08-9	Benzo(k)fluoranthene	ND		25	3.7
111-91-1	Bis(2-chloroethoxy)methane	ND		25	1.8
111-44-4	Bis(2-chloroethyl)ether	ND		25	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		25	11
85-68-7	Butyl benzyl phthalate	ND		25	5.0
105-60-2	Caprolactam	ND		25	11
86-74-8	Carbazole	ND		25	1.5
218-01-9	Chrysene	ND		25	1.7
84-74-2	Di-n-butyl phthalate	ND		25	1.6
117-84-0	Di-n-octyl phthalate	ND		25	2.4
53-70-3	Dibenz(a,h)anthracene	ND		25	2.1
132-64-9	Dibenzofuran	ND		50	2.6
84-66-2	Diethyl phthalate	ND		25	1.1
131-11-3	Dimethyl phthalate	ND		25	1.8
206-44-0	Fluoranthene	ND		25	2.0
86-73-7	Fluorene	ND		25	1.8
118-74-1	Hexachlorobenzene	ND		25	2.6
87-68-3	Hexachlorobutadiene	ND		25	3.4
77-47-4	Hexachlorocyclopentadiene	ND		25	3.0
67-72-1	Hexachloroethane	ND		25	3.0
193-39-5	Indeno(1,2,3-cd)pyrene	ND		25	2.4
78-59-1	Isophorone	ND		25	2.2
621-64-7	N-Nitrosodi-n-propylamine	ND		25	2.7
86-30-6	N-Nitrosodiphenylamine	ND		25	2.6
91-20-3	Naphthalene	ND		25	3.8
98-95-3	Nitrobenzene	ND		25	1.5
87-86-5	Pentachlorophenol	ND		50	11
85-01-8	Phenanthrene	ND		25	2.2
108-95-2	Phenol	ND		25	2.0
129-00-0	Pyrene	ND		25	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-11 Lab Sample ID: 480-177111-3

Matrix: Water Lab File ID: V3147902.D

Analysis Method: 8270D Date Collected: 10/23/2020 11:45

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 07:51

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	86		41-120
321-60-8	2-Fluorobiphenyl	108		48-120
367-12-4	2-Fluorophenol	71		35-120
4165-60-0	Nitrobenzene-d5	100		46-120
1718-51-0	p-Terphenyl-d14	101		60-148
4165-62-2	Phenol-d5	52		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147902.D
Lims ID: 480-177111-B-3-A
Client ID: MW-11
Sample Type: Client
Inject. Date: 03-Nov-2020 07:51:30 ALS Bottle#: 34 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 480-0094634-034
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:52:18 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:48:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	165865	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	649374	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	348302	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	97	549546	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	98	511415	4.00	
* 6 Perylene-d12	264	14.345	14.344	0.001	96	392853	4.00	
$ 7 2-Fluorophenol	112	5.102	5.092	0.010	93	66619	1.13	
$ 8 Phenol-d5	99	5.941	5.941	0.000	91	61440	0.8399	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	89	97463	1.60	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	187942	1.72	
$ 11 2,4,6-Tribromophenol	330	9.456	9.462	-0.006	89	18418	1.37	
$ 12 p-Terphenyl-d14	244	11.353	11.358	-0.005	98	205927	1.62	
71 Benzaldehyde	77		5.877				ND	
72 Phenol	94		5.952				ND	
74 Bis(2-chloroethyl)ether	93		6.026				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.497				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
88 4-Methylphenol	108		6.609				ND	
86 Acetophenone	105	6.604	6.609	-0.005	82	1433	0.0178	
89 Hexachloroethane	117		6.700				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.025				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128		7.367				ND	
108 4-Chloroaniline	127		7.410				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.811				ND	
121 2-Methylnaphthalene	142		7.944				ND	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.179				ND	
129 2,4,5-Trichlorophenol	196		8.211				ND	
130 1,1'-Biphenyl	154		8.324				ND	
131 2-Chloronaphthalene	162		8.350				ND	
132 2-Nitroaniline	65		8.425				ND	
134 Dimethyl phthalate	163		8.569				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152		8.692				ND	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153		8.837				ND	
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.901				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	
145 Dibenzofuran	168		8.981				ND	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166		9.259				ND	
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169		9.344				ND	
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178		10.055				ND	
180 Anthracene	178		10.097				ND	
181 Carbazole	167		10.225				ND	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202	11.038	11.043	-0.005	92	6027	0.0370	
193 Pyrene	202		11.241				ND	
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149		12.427				ND	
205 Benzo[a]anthracene	228		12.448				ND	
207 Chrysene	228	12.485	12.491	-0.006	92	3576	0.0224	
208 Di-n-octyl phthalate	149		13.233				ND	U
209 Benzo[b]fluoranthene	252		13.815				ND	
211 Benzo[k]fluoranthene	252		13.853				ND	
213 Benzo[a]pyrene	252		14.270				ND	
215 Indeno[1,2,3-cd]pyrene	276		15.862				ND	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276		16.252				ND	

QC Flag Legend

Processing Flags

Review Flags
U - Marked Undetected

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

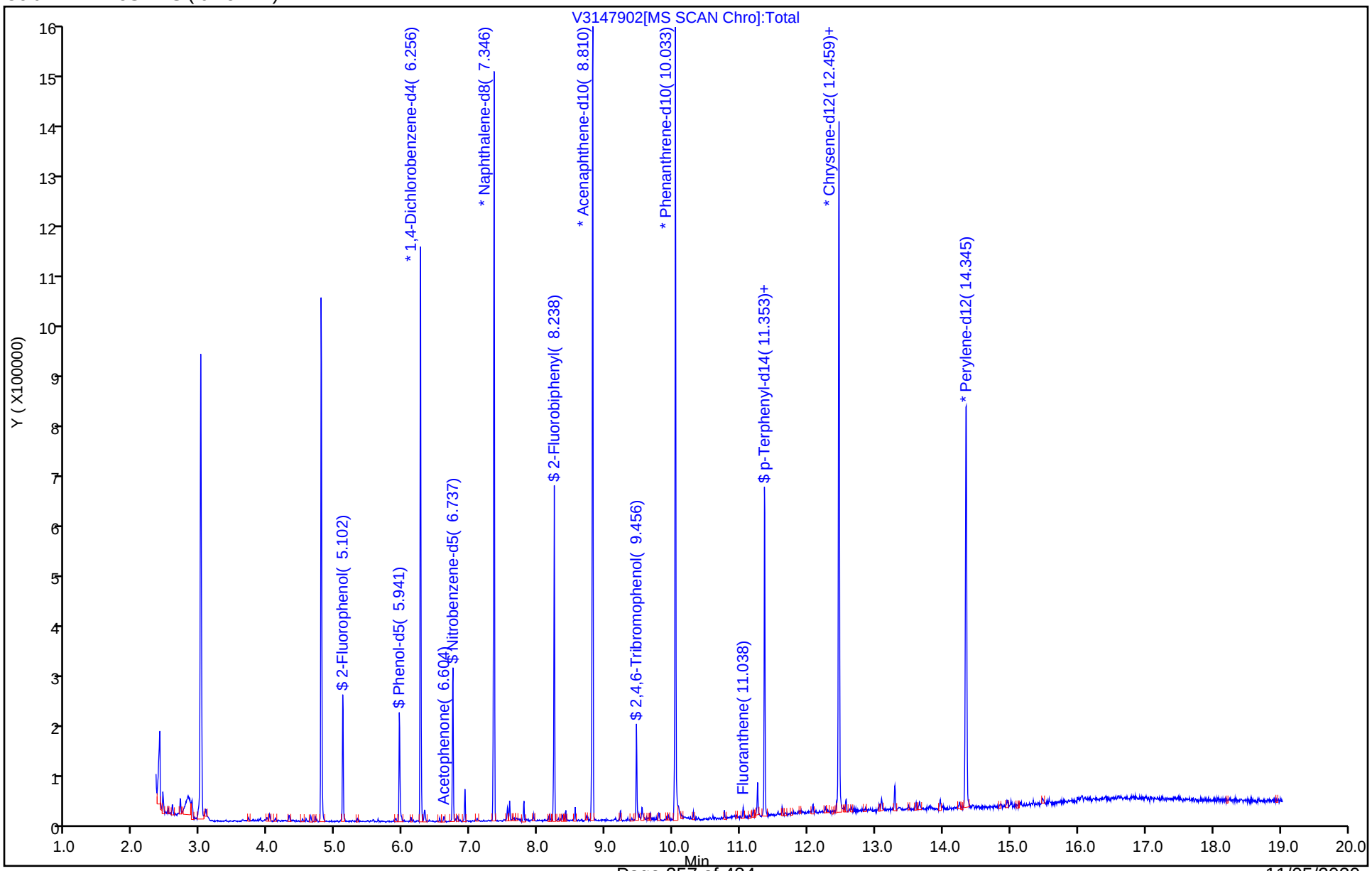
Report Date: 03-Nov-2020 14:53:00 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147902.D

Injection Date:	03-Nov-2020 07:51:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	480-177111-B-3-A	Lab Sample ID:	480-177111-3	Worklist Smp#:	8
Client ID:	MW-11				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	34
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



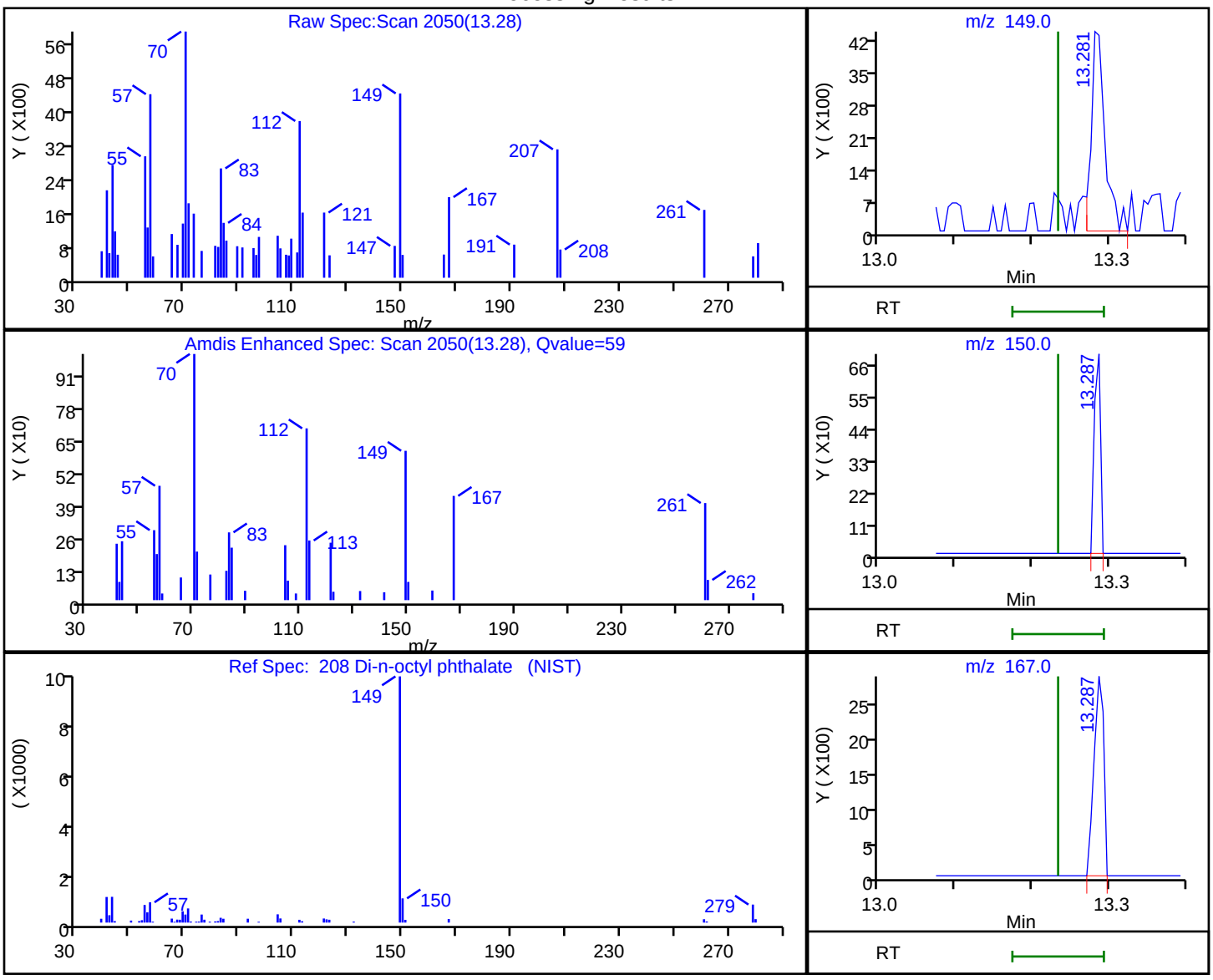
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147902.D				
Injection Date:	03-Nov-2020 07:51:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-3-A	Lab Sample ID:	480-177111-3		
Client ID:	MW-11				
Operator ID:	JM	ALS Bottle#:	34	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

208 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
13.28	149.00	5438	0.027985
13.29	150.00	396	
13.29	167.00	2530	

Reviewer: schickr, 03-Nov-2020 14:48:37

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-13 Lab Sample ID: 480-177111-4

Matrix: Water Lab File ID: V3147903.D

Analysis Method: 8270D Date Collected: 10/23/2020 10:37

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 08:18

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		25	3.3
108-60-1	bis (2-chloroisopropyl) ether	ND		25	2.6
95-95-4	2,4,5-Trichlorophenol	ND		25	2.4
88-06-2	2,4,6-Trichlorophenol	ND		25	3.1
120-83-2	2,4-Dichlorophenol	ND		25	2.6
105-67-9	2,4-Dimethylphenol	ND		25	2.5
51-28-5	2,4-Dinitrophenol	ND		50	11
121-14-2	2,4-Dinitrotoluene	ND		25	2.2
606-20-2	2,6-Dinitrotoluene	ND		25	2.0
91-58-7	2-Chloronaphthalene	ND		25	2.3
95-57-8	2-Chlorophenol	ND		25	2.7
91-57-6	2-Methylnaphthalene	ND		25	3.0
95-48-7	2-Methylphenol	ND		25	2.0
88-74-4	2-Nitroaniline	ND		50	2.1
88-75-5	2-Nitrophenol	ND		25	2.4
91-94-1	3,3'-Dichlorobenzidine	ND		25	2.0
99-09-2	3-Nitroaniline	ND		50	2.4
534-52-1	4,6-Dinitro-2-methylphenol	ND		50	11
101-55-3	4-Bromophenyl phenyl ether	ND		25	2.3
59-50-7	4-Chloro-3-methylphenol	ND		25	2.3
106-47-8	4-Chloroaniline	ND		25	3.0
7005-72-3	4-Chlorophenyl phenyl ether	ND		25	1.8
106-44-5	4-Methylphenol	ND		50	1.8
100-01-6	4-Nitroaniline	ND		50	1.3
100-02-7	4-Nitrophenol	ND		50	7.6
83-32-9	Acenaphthene	ND		25	2.1
208-96-8	Acenaphthylene	ND		25	1.9
98-86-2	Acetophenone	ND		25	2.7
120-12-7	Anthracene	ND		25	1.4
1912-24-9	Atrazine	ND		25	2.3
100-52-7	Benzaldehyde	ND		25	1.3
56-55-3	Benzo(a)anthracene	ND		25	1.8
50-32-8	Benzo(a)pyrene	ND		25	2.4
205-99-2	Benzo(b)fluoranthene	2.0	J	25	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-13 Lab Sample ID: 480-177111-4

Matrix: Water Lab File ID: V3147903.D

Analysis Method: 8270D Date Collected: 10/23/2020 10:37

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 08:18

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		25	1.8
207-08-9	Benzo(k)fluoranthene	ND		25	3.7
111-91-1	Bis(2-chloroethoxy)methane	ND		25	1.8
111-44-4	Bis(2-chloroethyl)ether	ND		25	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		25	11
85-68-7	Butyl benzyl phthalate	ND		25	5.0
105-60-2	Caprolactam	ND		25	11
86-74-8	Carbazole	ND		25	1.5
218-01-9	Chrysene	ND		25	1.7
84-74-2	Di-n-butyl phthalate	ND		25	1.6
117-84-0	Di-n-octyl phthalate	ND		25	2.4
53-70-3	Dibenz(a,h)anthracene	ND		25	2.1
132-64-9	Dibenzofuran	ND		50	2.6
84-66-2	Diethyl phthalate	ND		25	1.1
131-11-3	Dimethyl phthalate	ND		25	1.8
206-44-0	Fluoranthene	2.1	J	25	2.0
86-73-7	Fluorene	ND		25	1.8
118-74-1	Hexachlorobenzene	ND		25	2.6
87-68-3	Hexachlorobutadiene	ND		25	3.4
77-47-4	Hexachlorocyclopentadiene	ND		25	3.0
67-72-1	Hexachloroethane	ND		25	3.0
193-39-5	Indeno(1,2,3-cd)pyrene	ND		25	2.4
78-59-1	Isophorone	ND		25	2.2
621-64-7	N-Nitrosodi-n-propylamine	ND		25	2.7
86-30-6	N-Nitrosodiphenylamine	ND		25	2.6
91-20-3	Naphthalene	ND		25	3.8
98-95-3	Nitrobenzene	ND		25	1.5
87-86-5	Pentachlorophenol	ND		50	11
85-01-8	Phenanthrene	ND		25	2.2
108-95-2	Phenol	ND		25	2.0
129-00-0	Pyrene	ND		25	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-13 Lab Sample ID: 480-177111-4

Matrix: Water Lab File ID: V3147903.D

Analysis Method: 8270D Date Collected: 10/23/2020 10:37

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 08:18

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	56		41-120
321-60-8	2-Fluorobiphenyl	104		48-120
367-12-4	2-Fluorophenol	57		35-120
4165-60-0	Nitrobenzene-d5	95		46-120
1718-51-0	p-Terphenyl-d14	97		60-148
4165-62-2	Phenol-d5	41		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147903.D
Lims ID: 480-177111-B-4-A
Client ID: MW-13
Sample Type: Client
Inject. Date: 03-Nov-2020 08:18:30 ALS Bottle#: 35 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 480-0094634-035
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:52:18 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:49:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	170255	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	655623	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	351569	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	97	550035	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	98	517340	4.00	
* 6 Perylene-d12	264	14.339	14.344	-0.005	97	389189	4.00	
$ 7 2-Fluorophenol	112	5.102	5.092	0.010	93	54920	0.9112	
$ 8 Phenol-d5	99	5.941	5.941	0.000	91	49494	0.6592	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	90	93709	1.52	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	183916	1.67	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	89	12148	0.9029	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	200131	1.56	
71 Benzaldehyde	77		5.877				ND	
72 Phenol	94		5.952				ND	
74 Bis(2-chloroethyl)ether	93		6.026				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.497				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
88 4-Methylphenol	108		6.609				ND	
86 Acetophenone	105		6.609				ND	
89 Hexachloroethane	117		6.700				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.025				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128		7.367				ND	
108 4-Chloroaniline	127		7.410				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.811				ND	
121 2-Methylnaphthalene	142		7.944				ND	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.179				ND	
129 2,4,5-Trichlorophenol	196		8.211				ND	
130 1,1'-Biphenyl	154		8.324				ND	
131 2-Chloronaphthalene	162		8.350				ND	
132 2-Nitroaniline	65		8.425				ND	
134 Dimethyl phthalate	163		8.569				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152		8.692				ND	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153		8.837				ND	
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.901				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	
145 Dibenzofuran	168		8.981				ND	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166		9.259				ND	
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169		9.344				ND	
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178		10.055				ND	
180 Anthracene	178		10.097				ND	
181 Carbazole	167		10.225				ND	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202	11.038	11.043	-0.005	96	17170	0.1053	
193 Pyrene	202	11.241	11.241	0.000	98	13773	0.0768	
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149		12.427				ND	
205 Benzo[a]anthracene	228		12.448				ND	
207 Chrysene	228	12.485	12.491	-0.006	93	10243	0.0634	
208 Di-n-octyl phthalate	149		13.233				ND	
209 Benzo[b]fluoranthene	252	13.810	13.815	-0.005	96	12219	0.0983	
211 Benzo[k]fluoranthene	252		13.853				ND	
213 Benzo[a]pyrene	252	14.254	14.270	-0.016	77	4605	0.0460	
215 Indeno[1,2,3-cd]pyrene	276		15.862				ND	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276		16.252				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

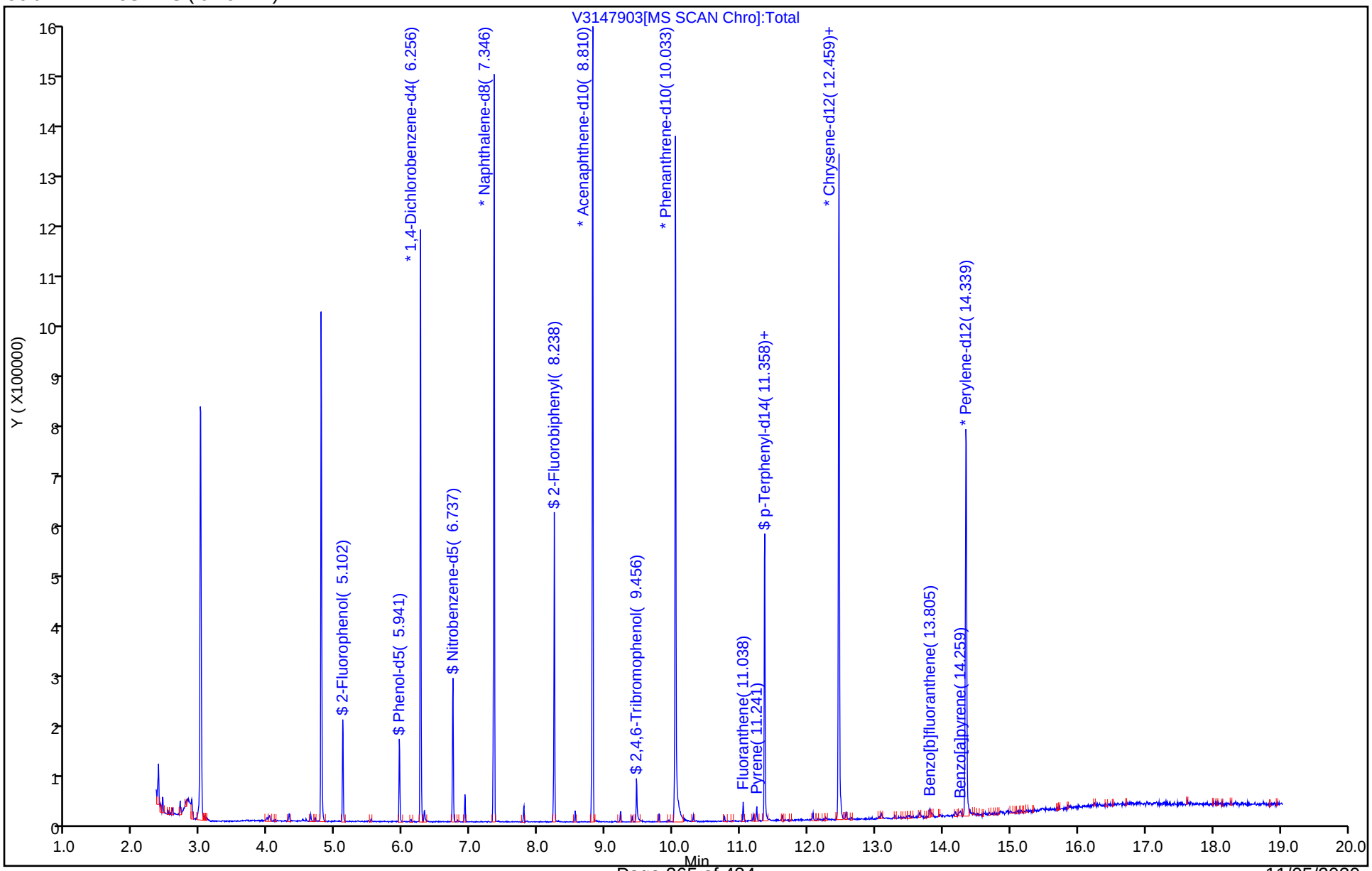
Report Date: 03-Nov-2020 14:53:02 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147903.D

Injection Date:	03-Nov-2020 08:18:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	480-177111-B-4-A	Lab Sample ID:	480-177111-4	Worklist Smp#:	9
Client ID:	MW-13				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	35
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

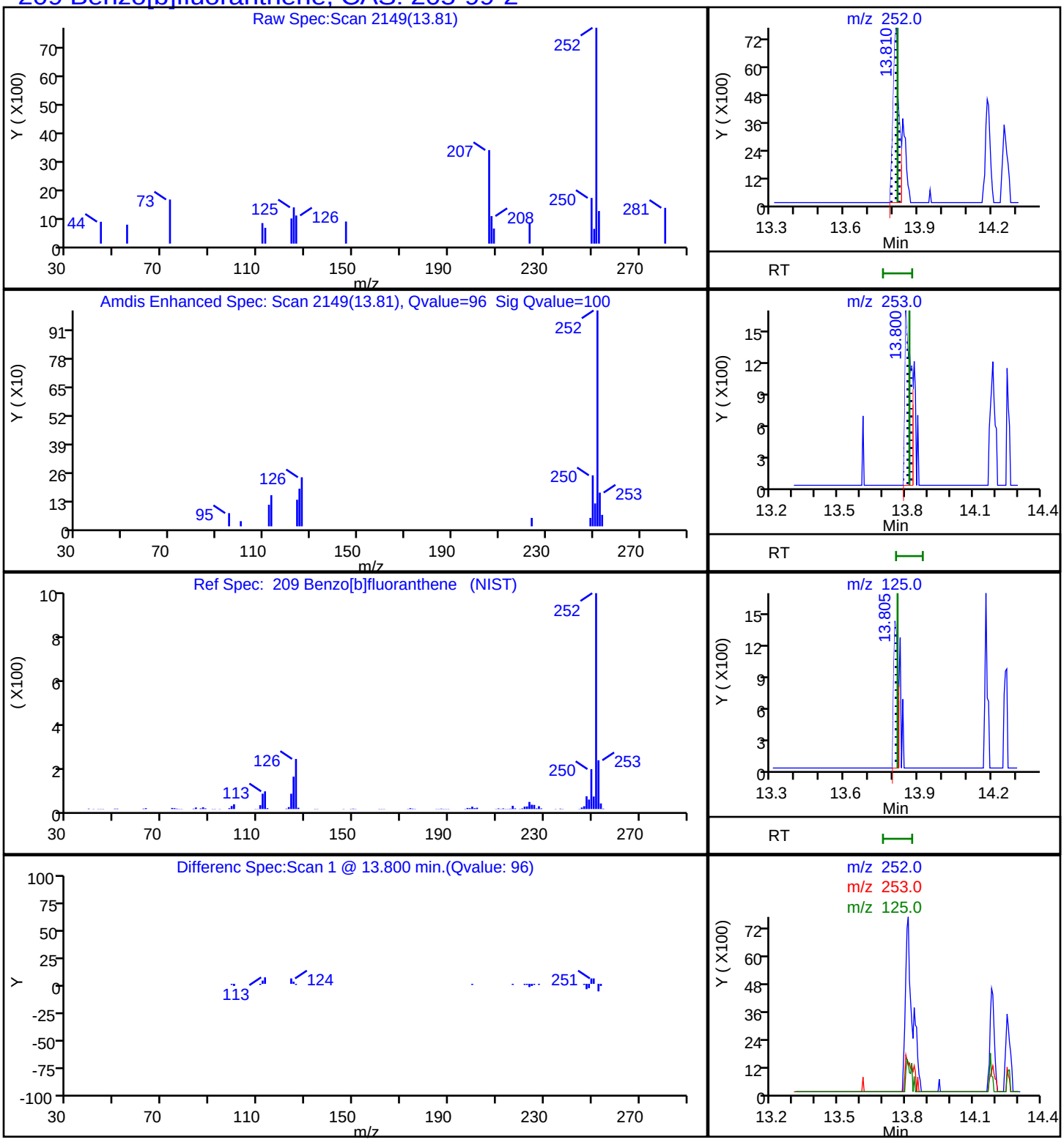
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Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147903.D				
Injection Date:	03-Nov-2020 08:18:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-4-A	Lab Sample ID:	480-177111-4		
Client ID:	MW-13				
Operator ID:	JM	ALS Bottle#:	35	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



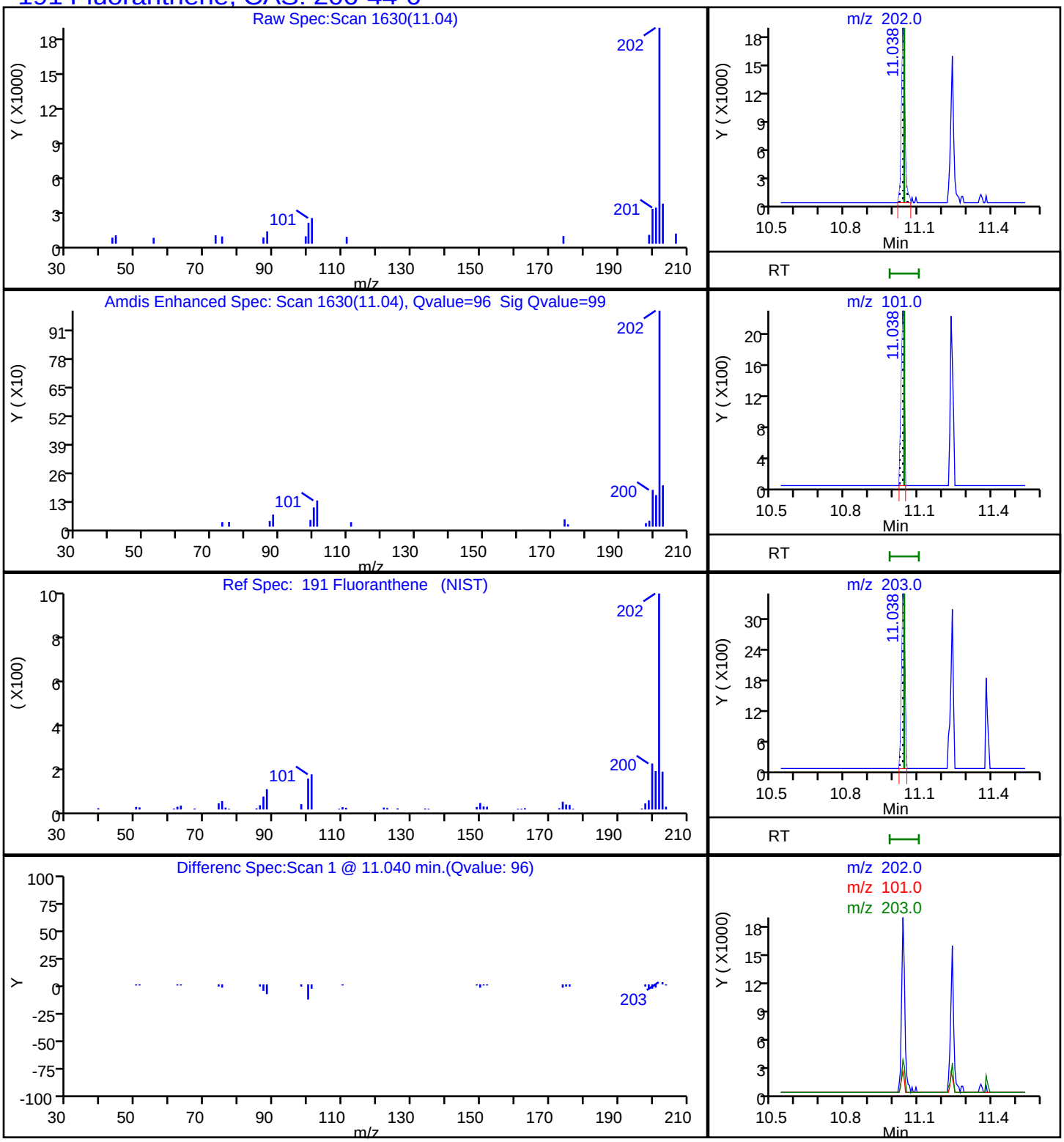
Report Date: 03-Nov-2020 14:53:02 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147903.D

Injection Date:	03-Nov-2020 08:18:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-4-A	Lab Sample ID:	480-177111-4		
Client ID:	MW-13				
Operator ID:	JM	ALS Bottle#:	35	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

191 Fluoranthene, CAS: 206-44-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-15 Lab Sample ID: 480-177111-5

Matrix: Water Lab File ID: V3147904.D

Analysis Method: 8270D Date Collected: 10/23/2020 11:20

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 08:46

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	0.61	J	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo | Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-15 | Lab Sample ID: 480-177111-5

Matrix: Water | Lab File ID: V3147904.D

Analysis Method: 8270D | Date Collected: 10/23/2020 11:20

Extract. Method: 3510C | Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) | Date Analyzed: 11/03/2020 08:46

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

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

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

Analysis Batch No.: 556964 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	0.43	J	5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	0.80	J	5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	0.70	J	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-15 Lab Sample ID: 480-177111-5

Matrix: Water Lab File ID: V3147904.D

Analysis Method: 8270D Date Collected: 10/23/2020 11:20

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 08:46

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	83		41-120
321-60-8	2-Fluorobiphenyl	96		48-120
367-12-4	2-Fluorophenol	65		35-120
4165-60-0	Nitrobenzene-d5	94		46-120
1718-51-0	p-Terphenyl-d14	92		60-148
4165-62-2	Phenol-d5	49		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147904.D
Lims ID: 480-177111-A-5-A
Client ID: MW-15
Sample Type: Client
Inject. Date: 03-Nov-2020 08:46:30 ALS Bottle#: 36 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-036
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:52:18 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:50:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.262	6.256	0.006	97	165330	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	651421	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	351658	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	97	570145	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	99	506063	4.00	
* 6 Perylene-d12	264	14.339	14.344	-0.005	96	391963	4.00	
$ 7 2-Fluorophenol	112	5.113	5.092	0.021	94	303521	5.19	
$ 8 Phenol-d5	99	5.941	5.941	0.000	91	287828	3.95	
$ 9 Nitrobenzene-d5	82	6.732	6.737	-0.005	90	459437	7.52	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	99	844799	7.67	
$ 11 2,4,6-Tribromophenol	330	9.456	9.462	-0.006	91	92642	6.64	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	97	930106	7.39	
71 Benzaldehyde	77		5.877				ND	
72 Phenol	94		5.952				ND	
74 Bis(2-chloroethyl)ether	93		6.026				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.497				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
88 4-Methylphenol	108		6.609				ND	
86 Acetophenone	105		6.609				ND	
89 Hexachloroethane	117		6.700				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.025				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128		7.367				ND	
108 4-Chloroaniline	127		7.410				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.811				ND	
121 2-Methylnaphthalene	142		7.944				ND	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.179				ND	
129 2,4,5-Trichlorophenol	196		8.211				ND	
130 1,1'-Biphenyl	154		8.324				ND	
131 2-Chloronaphthalene	162		8.350				ND	
132 2-Nitroaniline	65		8.425				ND	
134 Dimethyl phthalate	163		8.569				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152		8.692				ND	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153		8.837				ND	
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.901				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	
145 Dibenzofuran	168		8.981				ND	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166		9.259				ND	
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169		9.344				ND	
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178	10.055	10.055	0.000	93	9500	0.0591	
180 Anthracene	178		10.097				ND	
181 Carbazole	167		10.225				ND	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202	11.038	11.043	-0.005	98	33845	0.2003	
193 Pyrene	202	11.235	11.241	-0.006	98	30524	0.1740	
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149	12.421	12.427	-0.005	97	30145	0.2472	
205 Benzo[a]anthracene	228	12.443	12.448	-0.005	96	9833	0.0583	
207 Chrysene	228	12.485	12.491	-0.006	89	9492	0.0601	
208 Di-n-octyl phthalate	149		13.233				ND	
209 Benzo[b]fluoranthene	252	13.810	13.815	-0.005	97	19084	0.1524	
211 Benzo[k]fluoranthene	252	13.837	13.837	-0.016	74	6871	0.0538	Ma
213 Benzo[a]pyrene	252	14.259	14.270	-0.011	79	9738	0.0966	
215 Indeno[1,2,3-cd]pyrene	276	15.851	15.856	-0.011	94	8337	0.0844	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276	16.241	16.246	-0.011	93	8464	0.1081	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

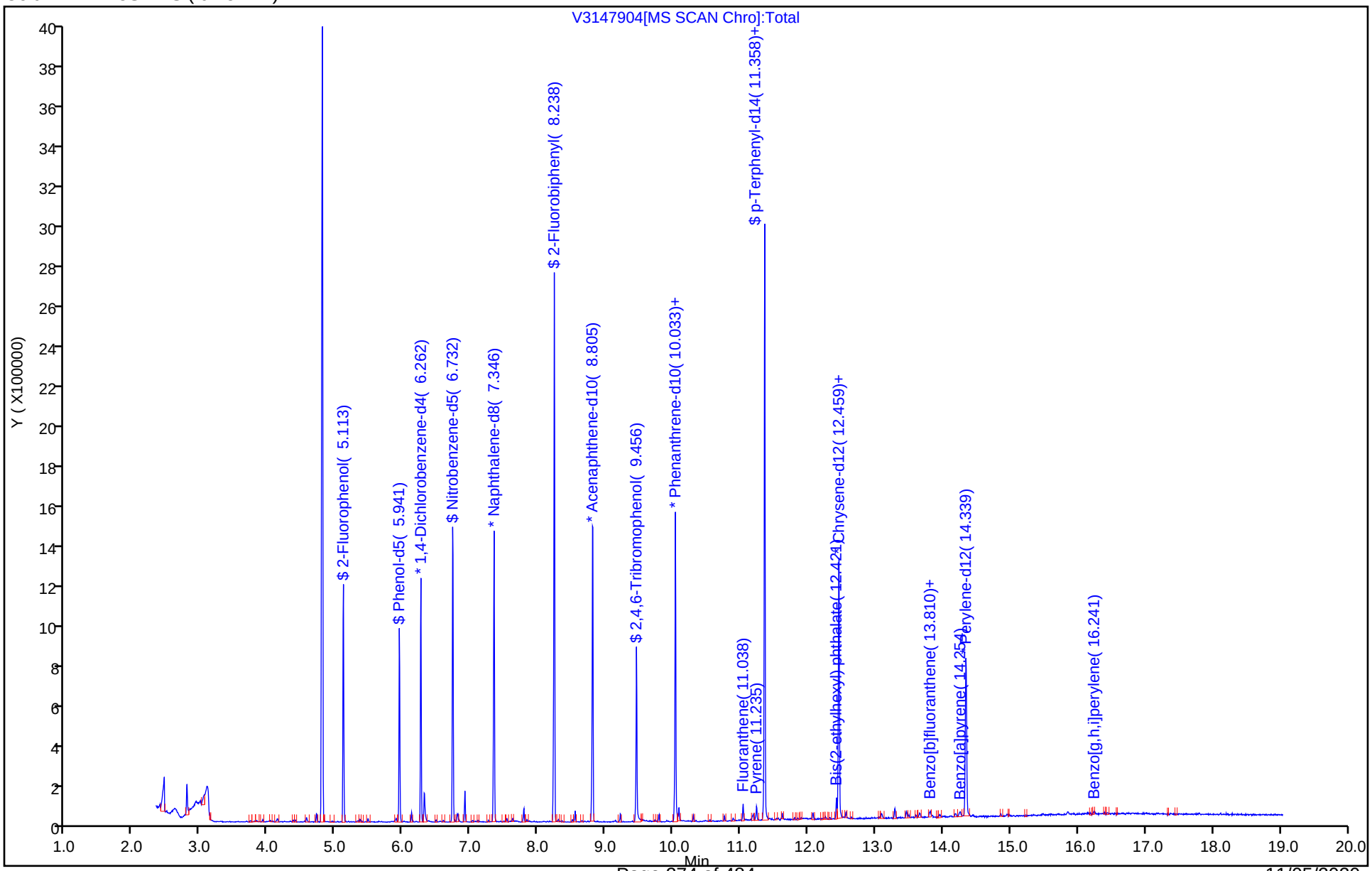
Report Date: 03-Nov-2020 14:53:03 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147904.D

Injection Date:	03-Nov-2020 08:46:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	480-177111-A-5-A	Lab Sample ID:	480-177111-5	Worklist Smp#:	10
Client ID:	MW-15				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	36
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

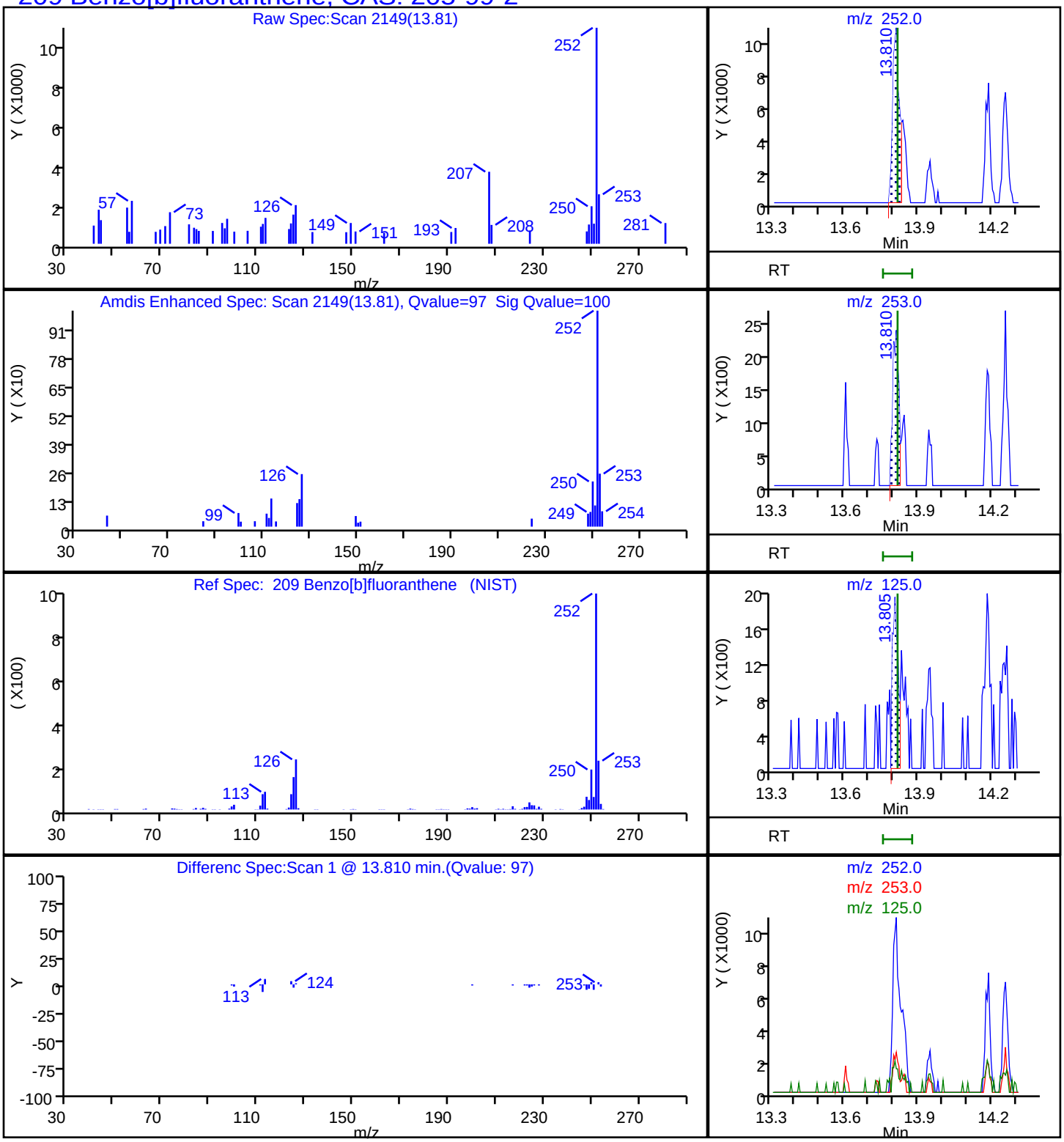
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Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147904.D				
Injection Date:	03-Nov-2020 08:46:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-A-5-A	Lab Sample ID:	480-177111-5		
Client ID:	MW-15				
Operator ID:	JM	ALS Bottle#:	36	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

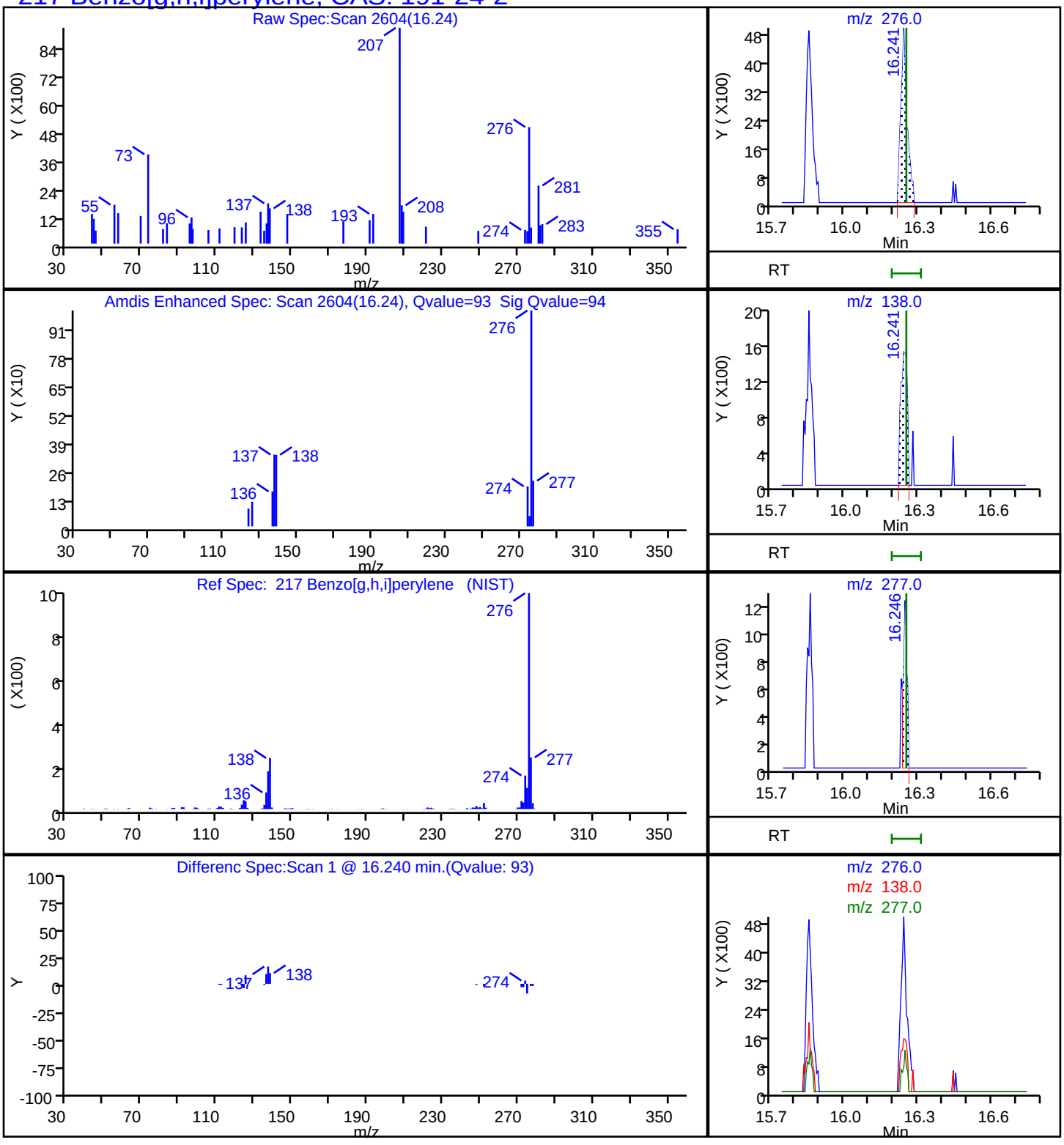
209 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147904.D				
Injection Date:	03-Nov-2020 08:46:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-A-5-A	Lab Sample ID:	480-177111-5		
Client ID:	MW-15				
Operator ID:	JM	ALS Bottle#:	36	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

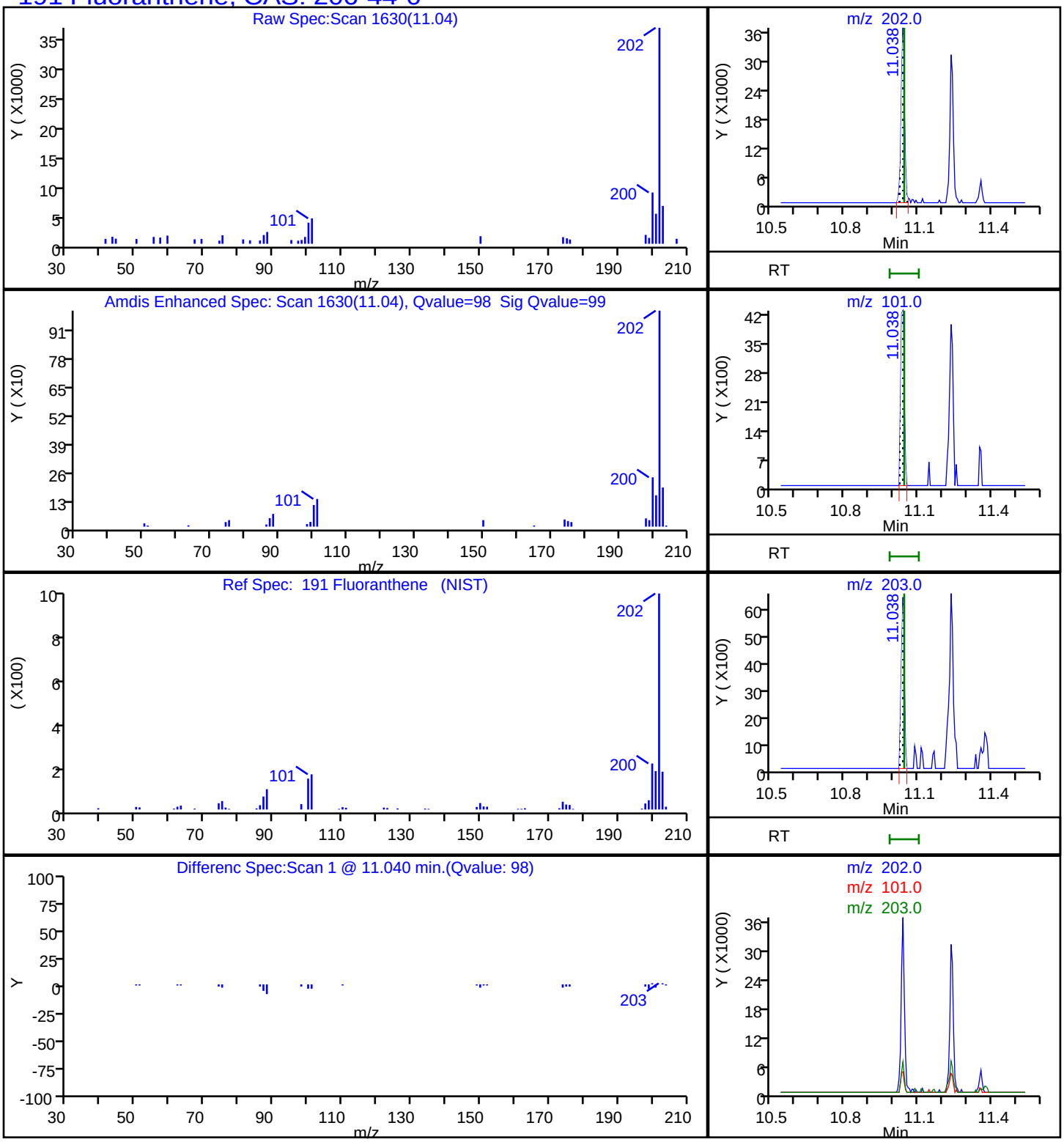
217 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147904.D				
Injection Date:	03-Nov-2020 08:46:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-A-5-A	Lab Sample ID:	480-177111-5		
Client ID:	MW-15				
Operator ID:	JM	ALS Bottle#:	36	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

191 Fluoranthene, CAS: 206-44-0



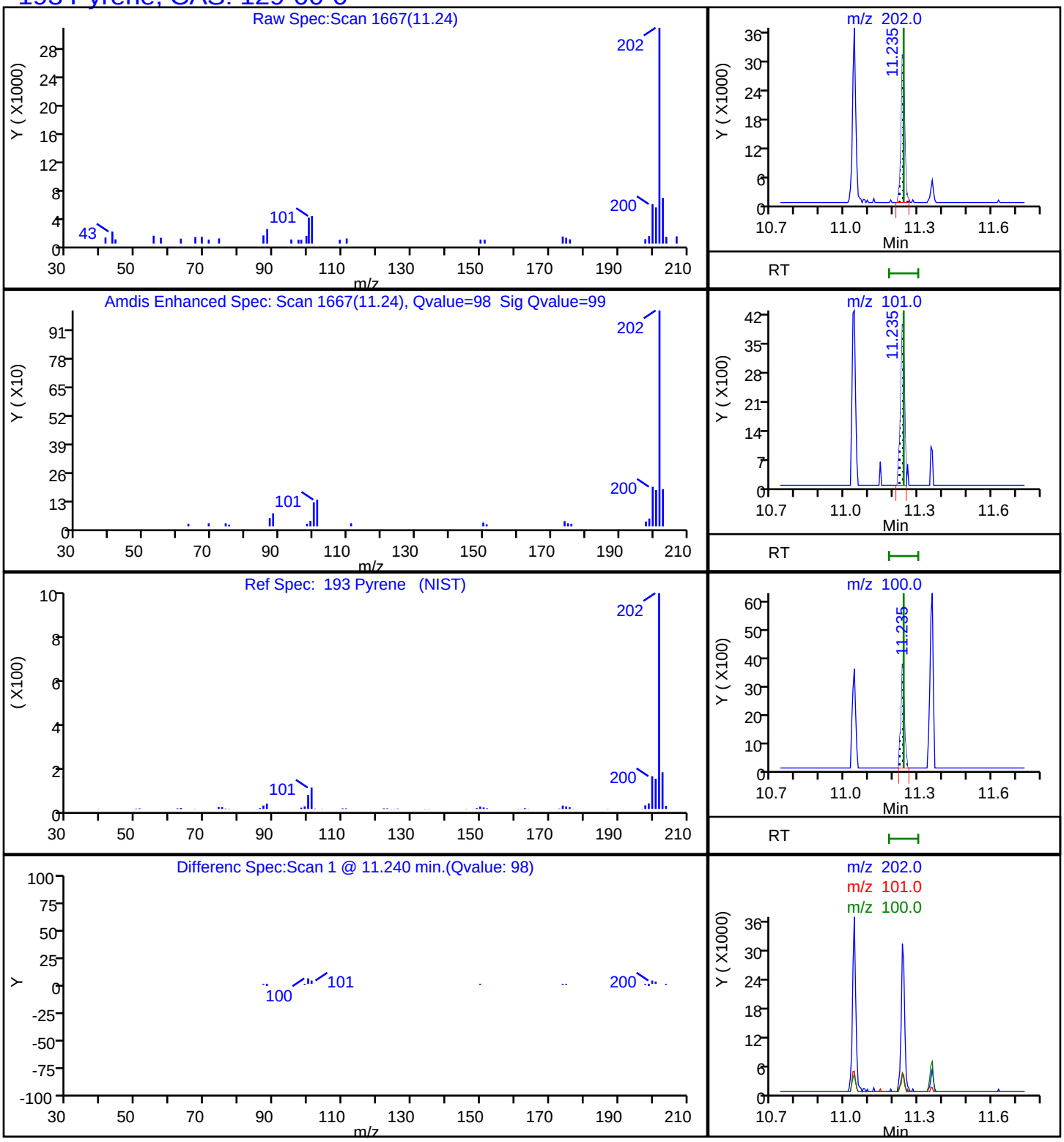
Report Date: 03-Nov-2020 14:53:03 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147904.D

Injection Date:	03-Nov-2020 08:46:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-A-5-A	Lab Sample ID:	480-177111-5		
Client ID:	MW-15				
Operator ID:	JM	ALS Bottle#:	36	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

193 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

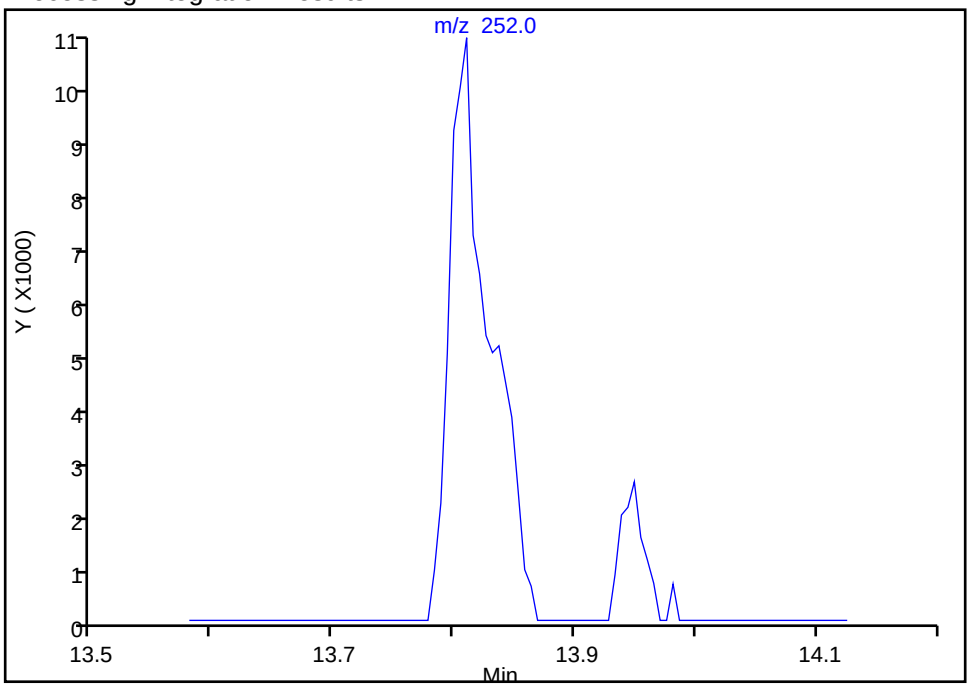
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Injection Date:	03-Nov-2020 08:46:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-A-5-A	Lab Sample ID:	480-177111-5		
Client ID:	MW-15				
Operator ID:	JM	ALS Bottle#:	36	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

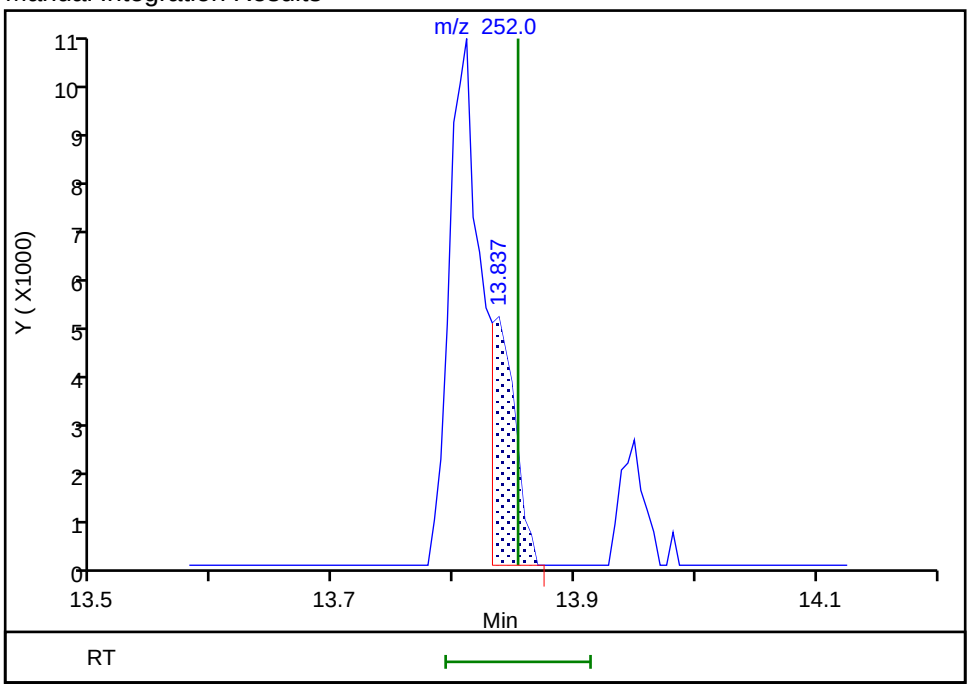
Not Detected
Expected RT: 13.85

Processing Integration Results



Manual Integration Results

RT: 13.84
Area: 6871
Amount: 0.053830
Amount Units: ng/uL



Reviewer: schickr, 03-Nov-2020 14:49:55
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo | Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-17 | Lab Sample ID: 480-177111-6

Matrix: Water | Lab File ID: V3147905.D

Analysis Method: 8270D | Date Collected: 10/23/2020 10:08

Extract. Method: 3510C | Date Extracted: 10/28/2020 08:42

Sample wt/vol: 240(mL) | Date Analyzed: 11/03/2020 09:13

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

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

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

Analysis Batch No.: 556964 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	16		5.2	0.68
108-60-1	bis (2-chloroisopropyl) ether	ND		5.2	0.54
95-95-4	2,4,5-Trichlorophenol	ND		5.2	0.50
88-06-2	2,4,6-Trichlorophenol	ND		5.2	0.64
120-83-2	2,4-Dichlorophenol	ND		5.2	0.53
105-67-9	2,4-Dimethylphenol	ND		5.2	0.52
51-28-5	2,4-Dinitrophenol	ND		10	2.3
121-14-2	2,4-Dinitrotoluene	ND		5.2	0.47
606-20-2	2,6-Dinitrotoluene	ND		5.2	0.42
91-58-7	2-Chloronaphthalene	ND		5.2	0.48
95-57-8	2-Chlorophenol	ND		5.2	0.55
91-57-6	2-Methylnaphthalene	46		5.2	0.63
95-48-7	2-Methylphenol	ND		5.2	0.42
88-74-4	2-Nitroaniline	ND		10	0.44
88-75-5	2-Nitrophenol	ND		5.2	0.50
91-94-1	3,3'-Dichlorobenzidine	ND		5.2	0.42
99-09-2	3-Nitroaniline	ND		10	0.50
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.3
101-55-3	4-Bromophenyl phenyl ether	ND		5.2	0.47
59-50-7	4-Chloro-3-methylphenol	ND		5.2	0.47
106-47-8	4-Chloroaniline	ND		5.2	0.61
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.2	0.36
106-44-5	4-Methylphenol	ND		10	0.38
100-01-6	4-Nitroaniline	ND		10	0.26
100-02-7	4-Nitrophenol	ND		10	1.6
83-32-9	*Acenaphthene*	*130*	*E*	*5.2*	*0.43*
208-96-8	Acenaphthylene	2.8	J	5.2	0.40
98-86-2	Acetophenone	ND		5.2	0.56
120-12-7	Anthracene	7.6		5.2	0.29
1912-24-9	Atrazine	ND		5.2	0.48
100-52-7	Benzaldehyde	ND		5.2	0.28
56-55-3	Benzo(a)anthracene	ND		5.2	0.38
50-32-8	Benzo(a)pyrene	ND		5.2	0.49
205-99-2	Benzo(b)fluoranthene	ND		5.2	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-17 Lab Sample ID: 480-177111-6

Matrix: Water Lab File ID: V3147905.D

Analysis Method: 8270D Date Collected: 10/23/2020 10:08

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 240(mL) Date Analyzed: 11/03/2020 09:13

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.2	0.36
207-08-9	Benzo(k)fluoranthene	ND		5.2	0.76
111-91-1	Bis(2-chloroethoxy)methane	ND		5.2	0.36
111-44-4	Bis(2-chloroethyl)ether	ND		5.2	0.42
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.2	2.3
85-68-7	Butyl benzyl phthalate	ND		5.2	1.0
105-60-2	Caprolactam	ND		5.2	2.3
86-74-8	Carbazole	6.7		5.2	0.31
218-01-9	Chrysene	ND		5.2	0.34
84-74-2	Di-n-butyl phthalate	ND		5.2	0.32
117-84-0	Di-n-octyl phthalate	ND		5.2	0.49
53-70-3	Dibenz(a,h)anthracene	ND		5.2	0.44
132-64-9	Dibenzofuran	63		10	0.53
84-66-2	Diethyl phthalate	ND		5.2	0.23
131-11-3	Dimethyl phthalate	ND		5.2	0.38
206-44-0	Fluoranthene	8.5		5.2	0.42
86-73-7	*Fluorene*	*71*	*E*	*5.2*	*0.38*
118-74-1	Hexachlorobenzene	ND		5.2	0.53
87-68-3	Hexachlorobutadiene	ND		5.2	0.71
77-47-4	Hexachlorocyclopentadiene	ND		5.2	0.61
67-72-1	Hexachloroethane	ND		5.2	0.61
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.2	0.49
78-59-1	Isophorone	ND		5.2	0.45
621-64-7	N-Nitrosodi-n-propylamine	ND		5.2	0.56
86-30-6	N-Nitrosodiphenylamine	ND		5.2	0.53
91-20-3	*Naphthalene*	*120*	*E*	*5.2*	*0.79*
98-95-3	Nitrobenzene	ND		5.2	0.30
87-86-5	Pentachlorophenol	ND		10	2.3
85-01-8	Phenanthrene	53		5.2	0.46
108-95-2	Phenol	ND		5.2	0.41
129-00-0	Pyrene	4.9	J	5.2	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-17 Lab Sample ID: 480-177111-6

Matrix: Water Lab File ID: V3147905.D

Analysis Method: 8270D Date Collected: 10/23/2020 10:08

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 240(mL) Date Analyzed: 11/03/2020 09:13

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	98		41-120
321-60-8	2-Fluorobiphenyl	101		48-120
367-12-4	2-Fluorophenol	70		35-120
4165-60-0	Nitrobenzene-d5	99		46-120
1718-51-0	p-Terphenyl-d14	92		60-148
4165-62-2	Phenol-d5	55		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D
Lims ID: 480-177111-B-6-A
Client ID: MW-17
Sample Type: Client
Inject. Date: 03-Nov-2020 09:13:30 ALS Bottle#: 37 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-037
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:52:18 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:51:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.262	6.256	0.006	98	161957	4.00	
* 2 Naphthalene-d8	136	7.352	7.346	0.006	99	642285	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	92	349860	4.00	
* 4 Phenanthrene-d10	188	10.039	10.039	0.000	97	587083	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	99	516996	4.00	
* 6 Perylene-d12	264	14.339	14.344	-0.005	96	367829	4.00	
$ 7 2-Fluorophenol	112	5.113	5.092	0.021	94	323060	5.63	
$ 8 Phenol-d5	99	5.946	5.941	0.005	91	315960	4.42	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	90	477693	7.93	
$ 10 2-Fluorobiphenyl	172	8.244	8.244	0.000	100	881952	8.05	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	92	112028	7.80	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	942546	7.33	
71 Benzaldehyde	77		5.877				ND	U
72 Phenol	94		5.952				ND	
74 Bis(2-chloroethyl)ether	93		6.026				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.497				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
88 4-Methylphenol	108		6.609				ND	
86 Acetophenone	105		6.609				ND	U
89 Hexachloroethane	117		6.700				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.025				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128	7.378	7.362	0.011	88	4769983	29.2	E
108 4-Chloroaniline	127		7.410				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.811				ND	
121 2-Methylnaphthalene	142	7.944	7.945	0.000	91	1195938	10.9	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.179				ND	
129 2,4,5-Trichlorophenol	196		8.211				ND	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	96	518526	3.95	
131 2-Chloronaphthalene	162		8.350				ND	
132 2-Nitroaniline	65		8.425				ND	
134 Dimethyl phthalate	163		8.569				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152	8.692	8.692	0.000	95	94352	0.6751	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153	8.847	8.837	0.011	90	3151096	30.7	E
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.901				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	U
145 Dibenzofuran	168	8.981	8.981	0.000	92	1994694	15.2	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166	9.264	9.259	0.005	95	1856720	17.0	E
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169		9.344				ND	U
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178	10.060	10.055	0.005	97	2088256	12.6	
180 Anthracene	178	10.097	10.097	0.000	95	302601	1.82	a
181 Carbazole	167	10.226	10.220	0.001	96	216873	1.60	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202	11.038	11.043	-0.005	98	356761	2.05	
193 Pyrene	202	11.241	11.241	0.000	97	210075	1.17	
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149		12.427				ND	
205 Benzo[a]anthracene	228	12.443	12.448	-0.005	65	8233	0.0478	
207 Chrysene	228		12.491				ND	
208 Di-n-octyl phthalate	149		13.233				ND	
209 Benzo[b]fluoranthene	252		13.815				ND	
211 Benzo[k]fluoranthene	252		13.853				ND	
213 Benzo[a]pyrene	252		14.270				ND	
215 Indeno[1,2,3-cd]pyrene	276		15.862				ND	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276		16.252				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

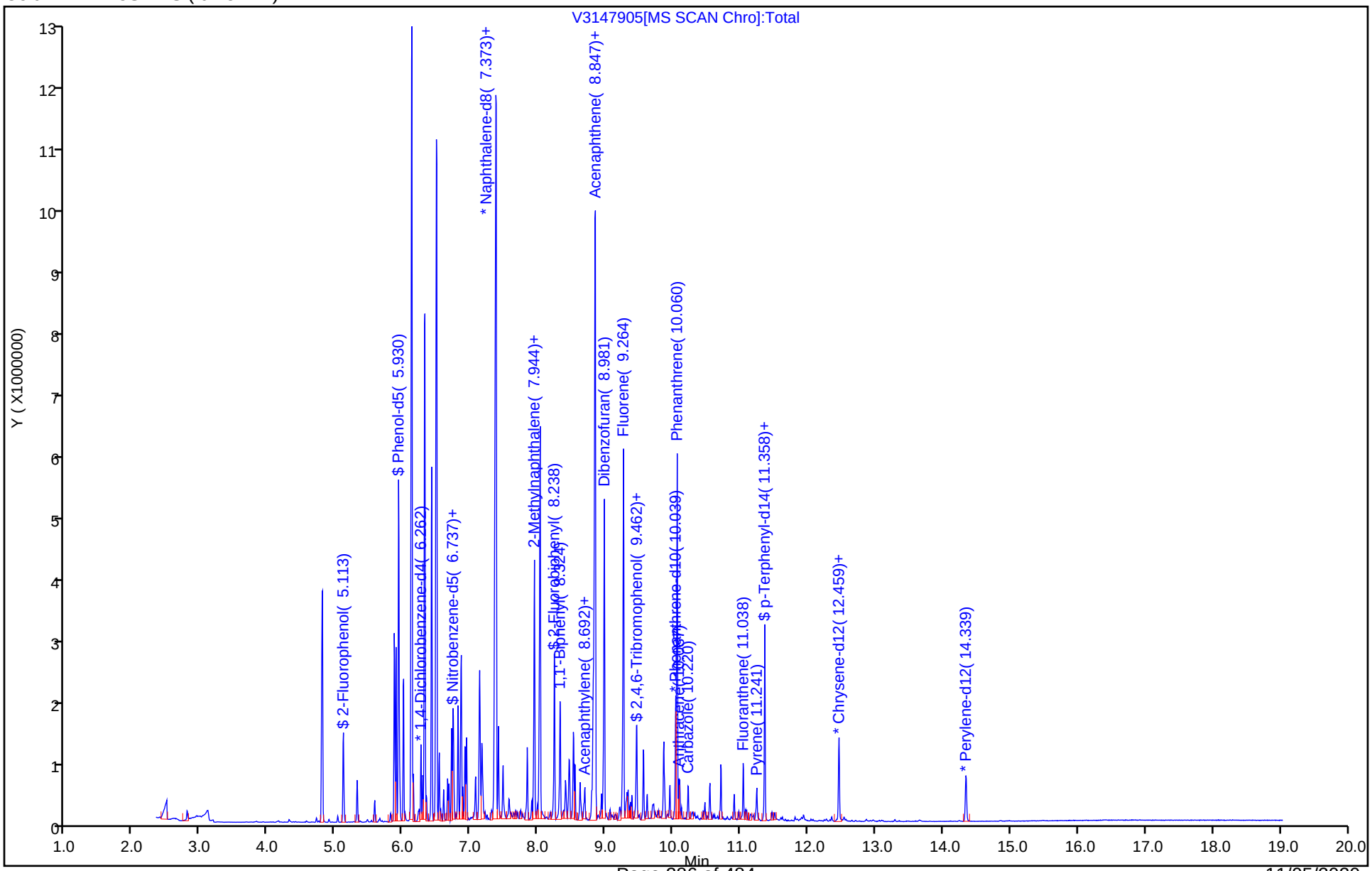
Report Date: 03-Nov-2020 14:53:05 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D

Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6	Worklist Smp#:	11
Client ID:	MW-17				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	37
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

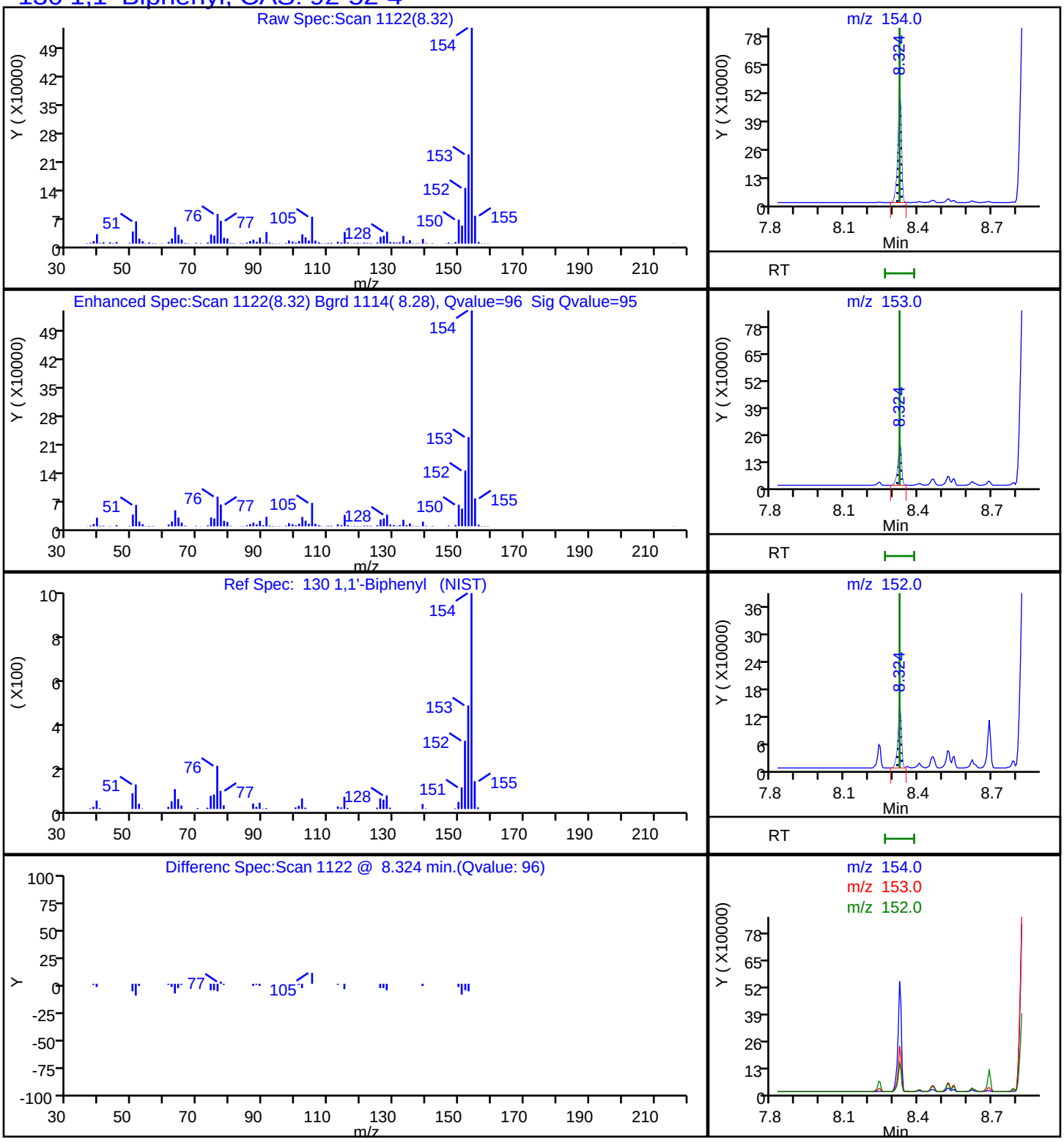
Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

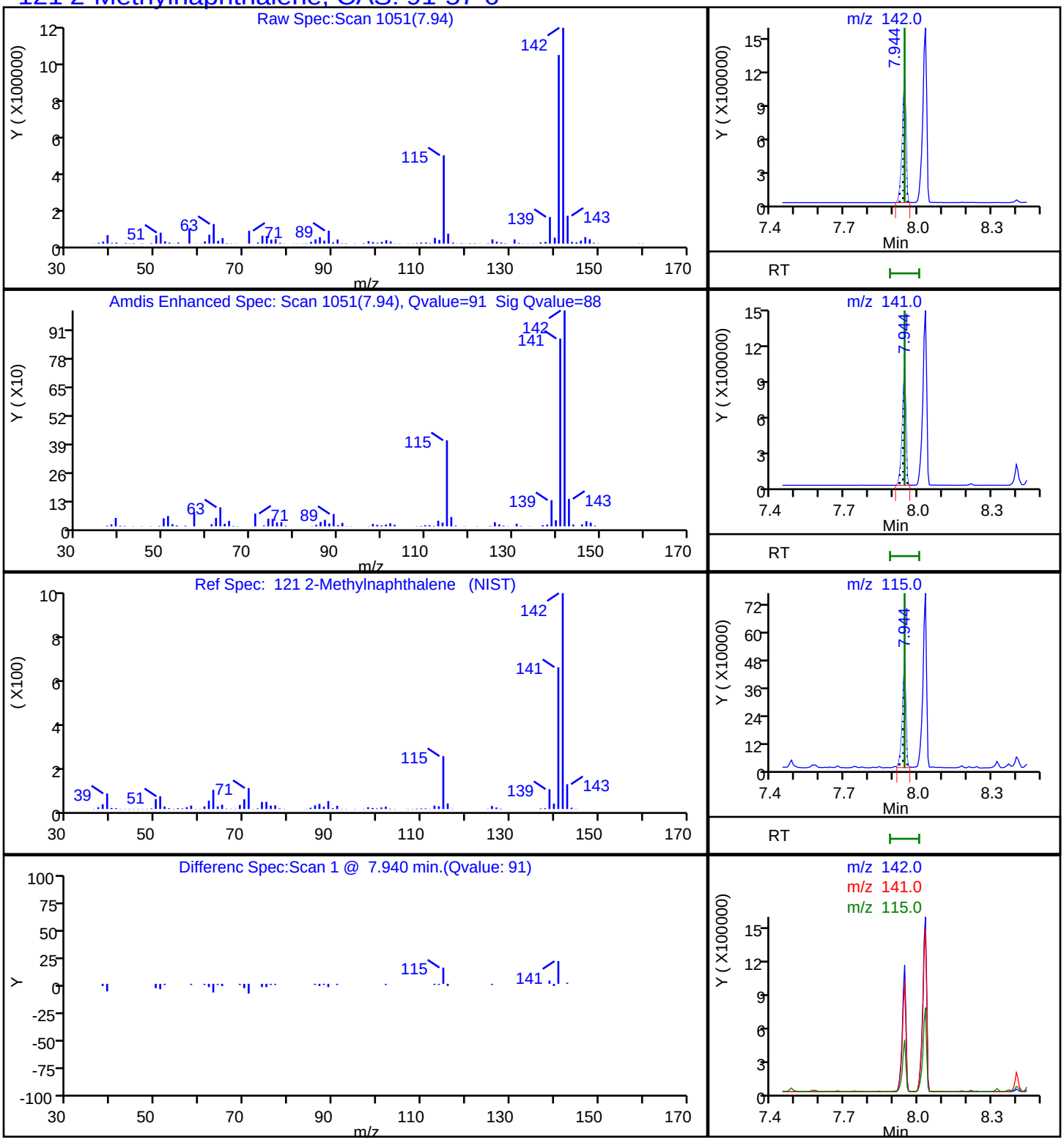
130 1,1'-Biphenyl, CAS: 92-52-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

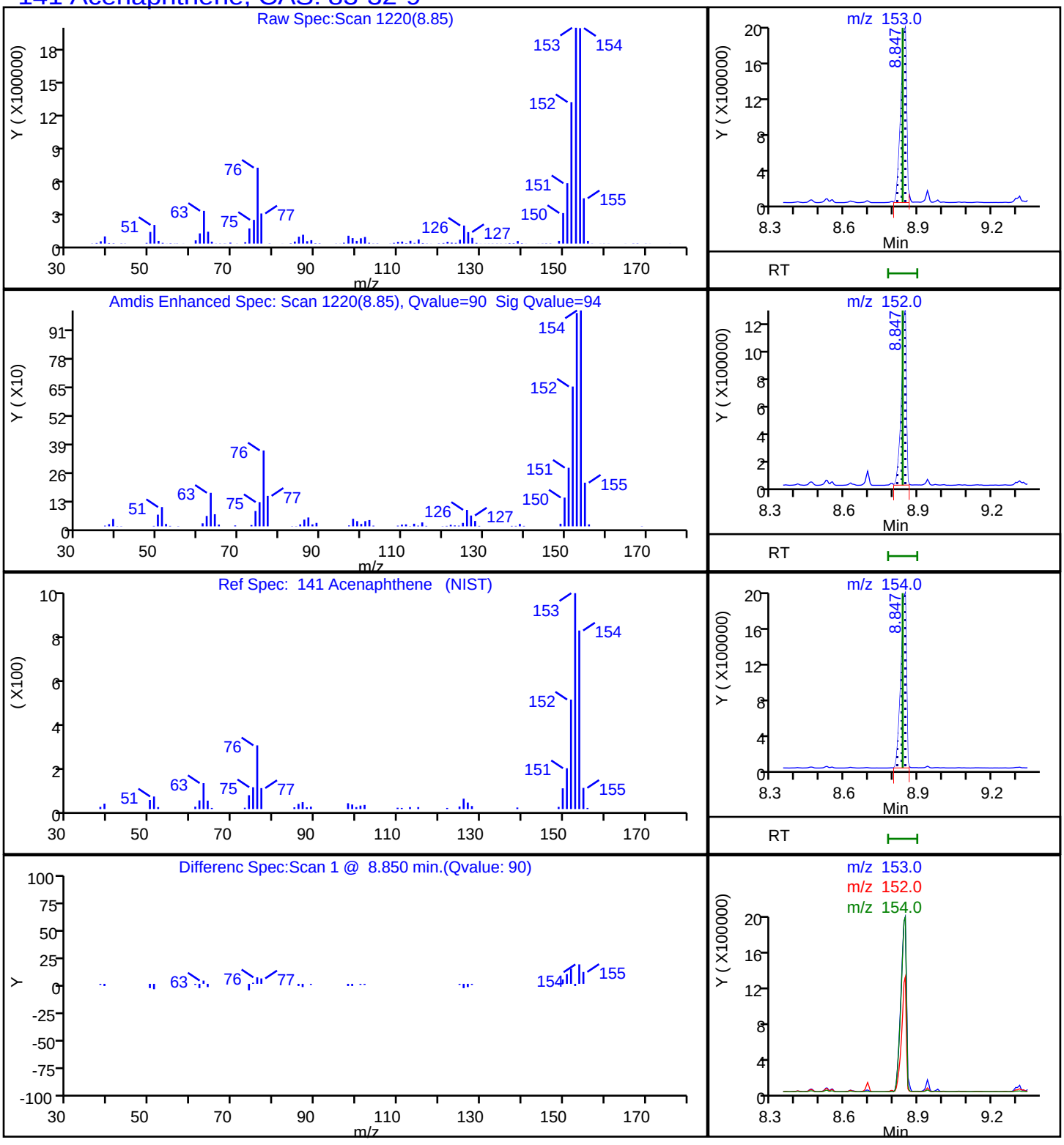
121 2-Methylnaphthalene, CAS: 91-57-6



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

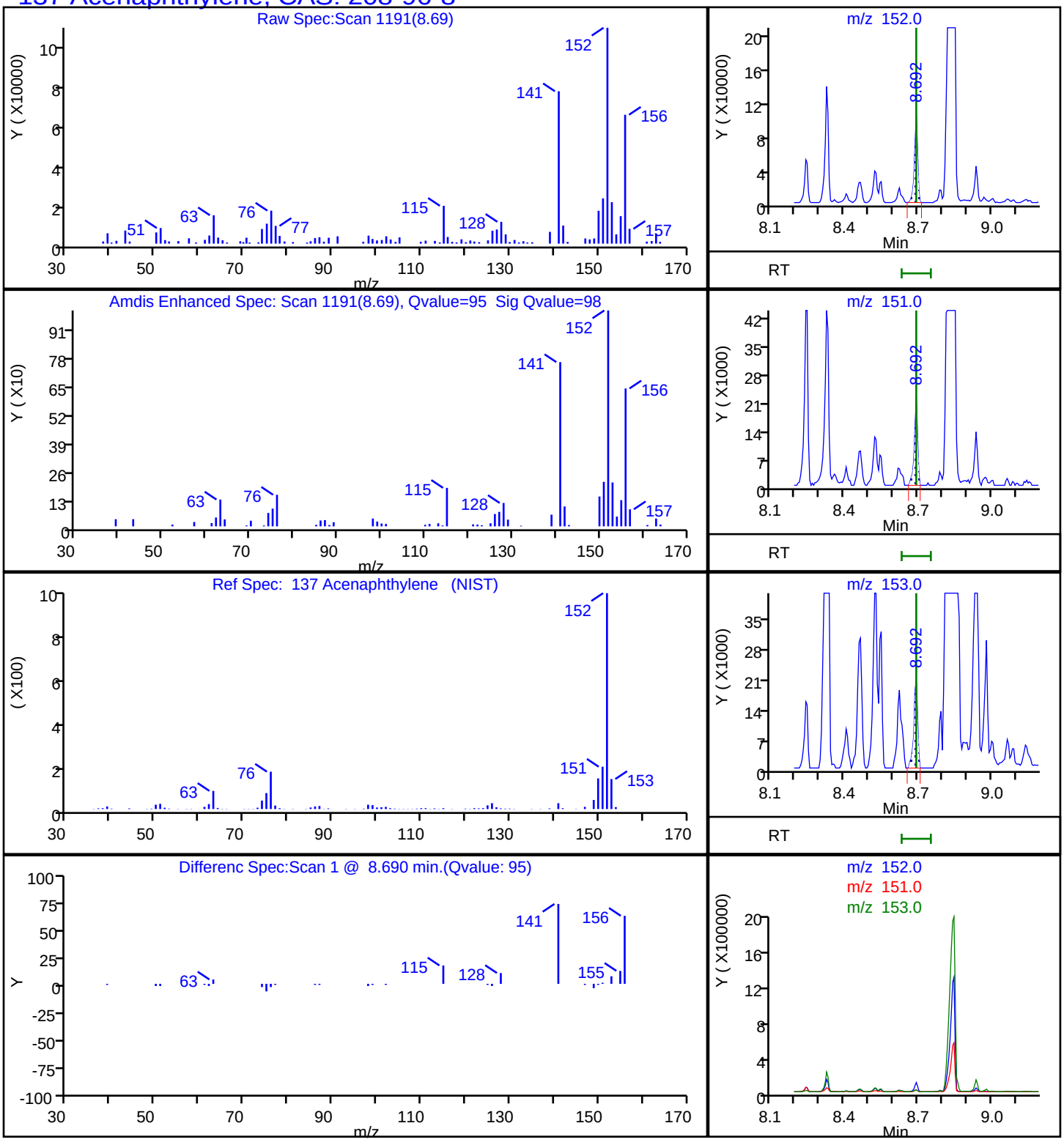
141 Acenaphthene, CAS: 83-32-9



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

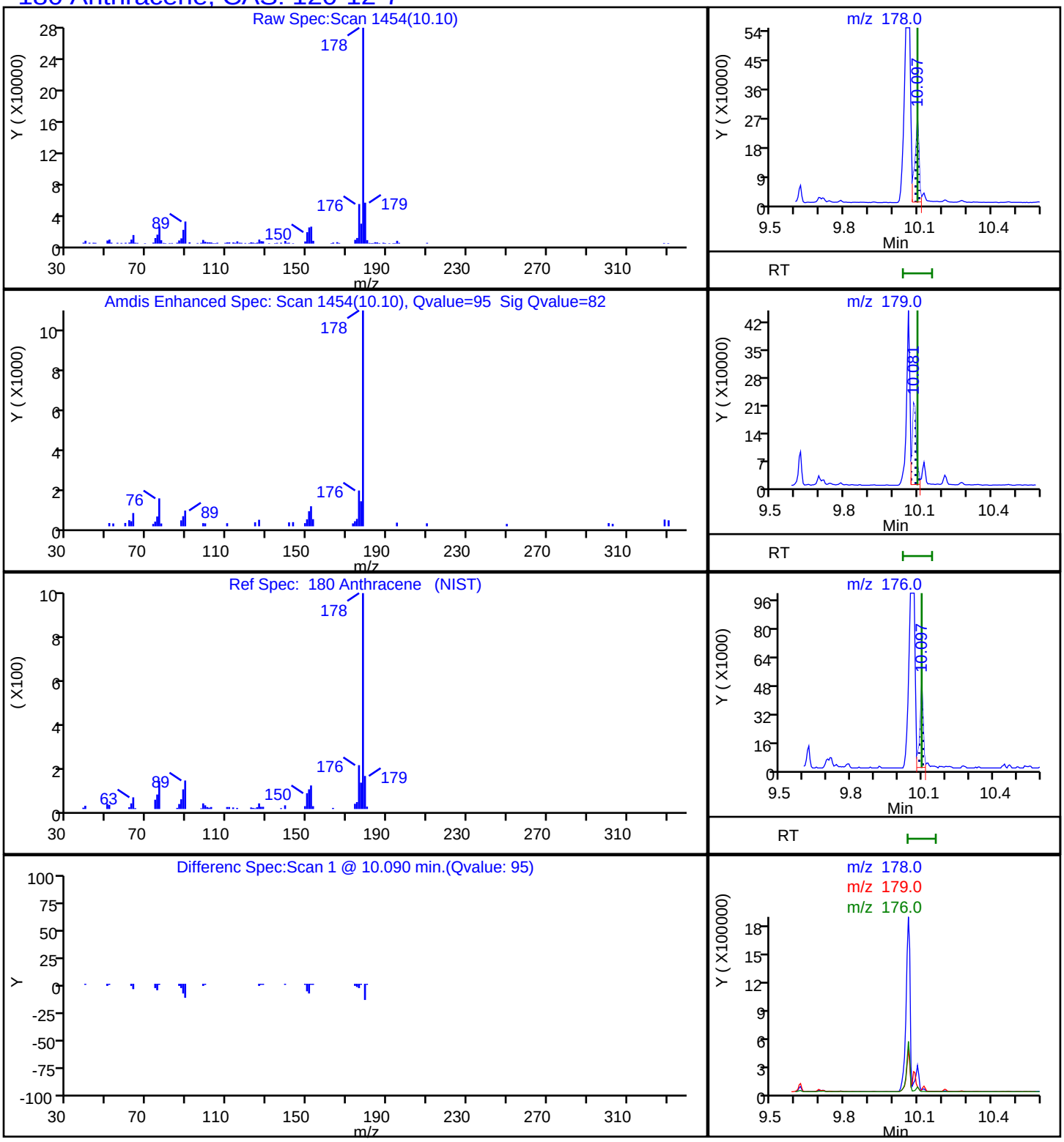
137 Acenaphthylene, CAS: 208-96-8



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

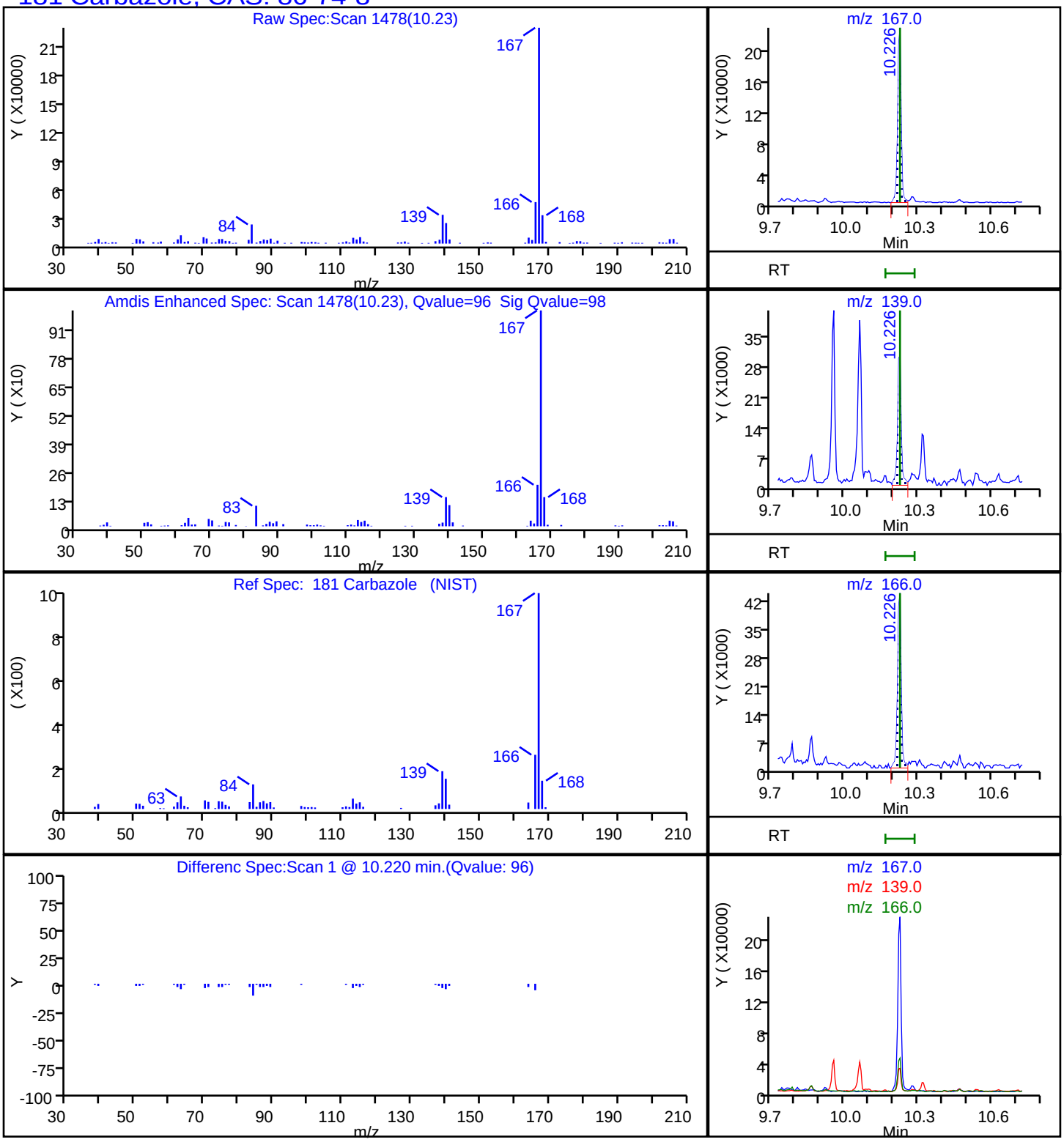
180 Anthracene, CAS: 120-12-7



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

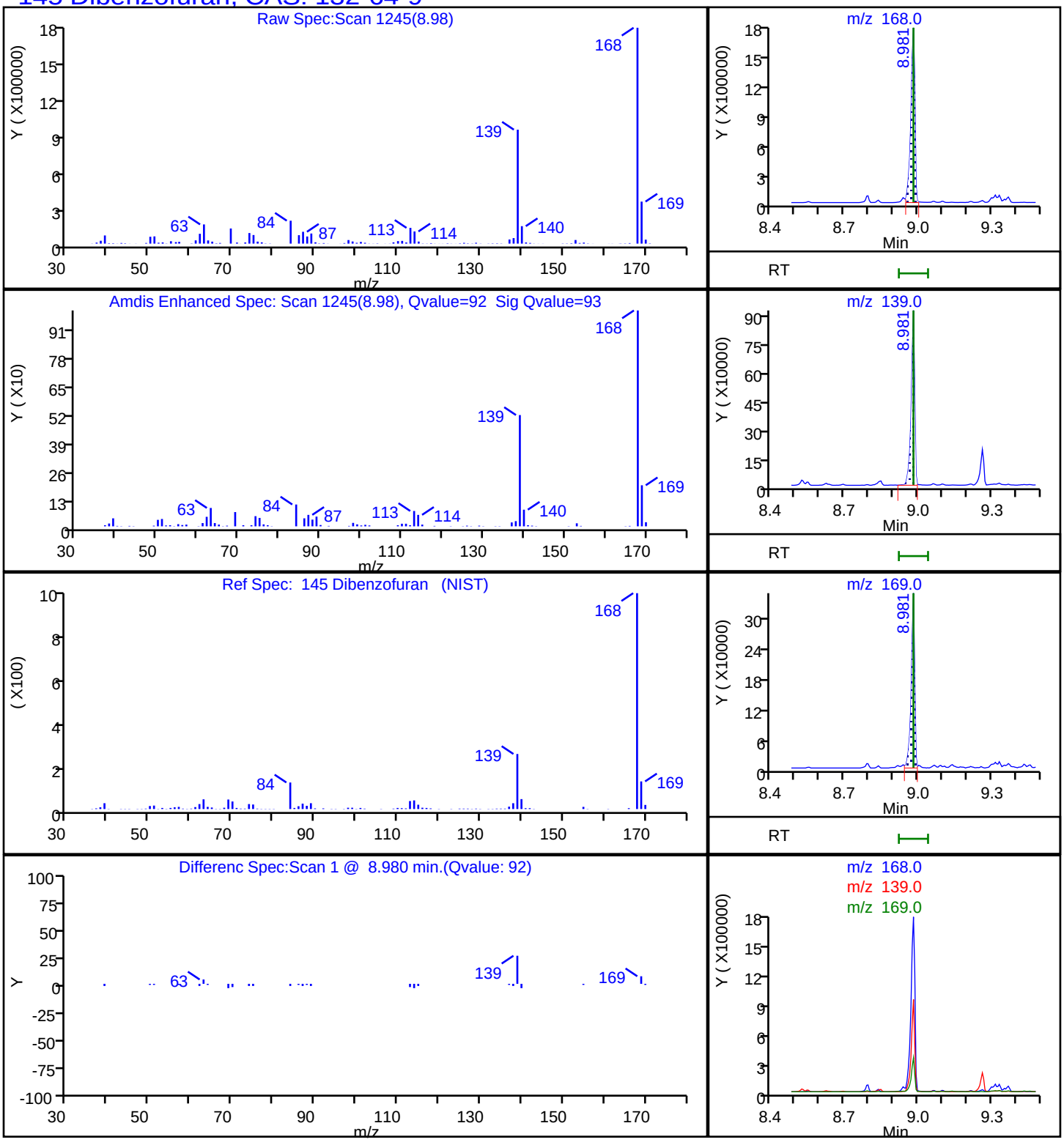
181 Carbazole, CAS: 86-74-8



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

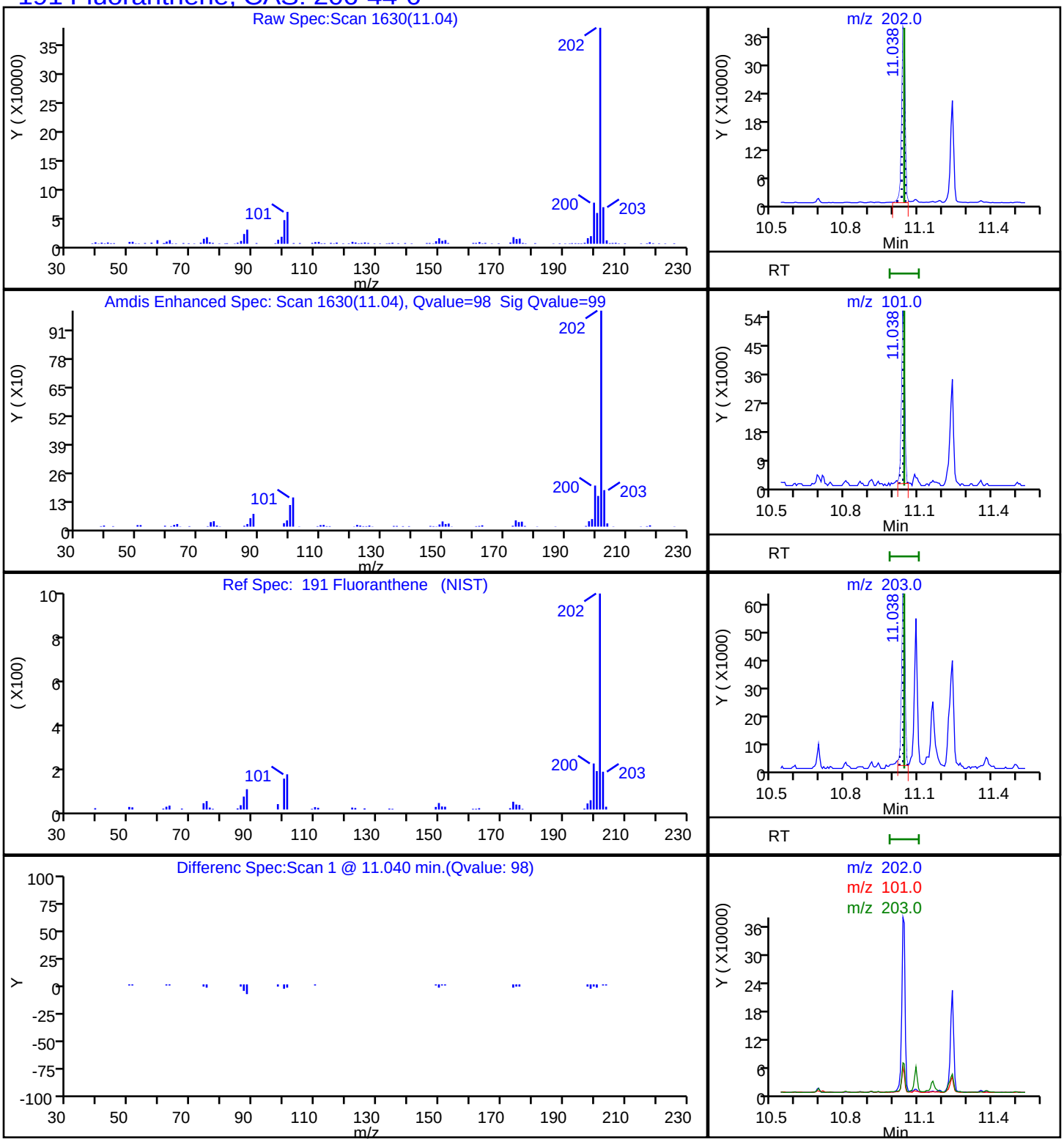
145 Dibenzofuran, CAS: 132-64-9



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

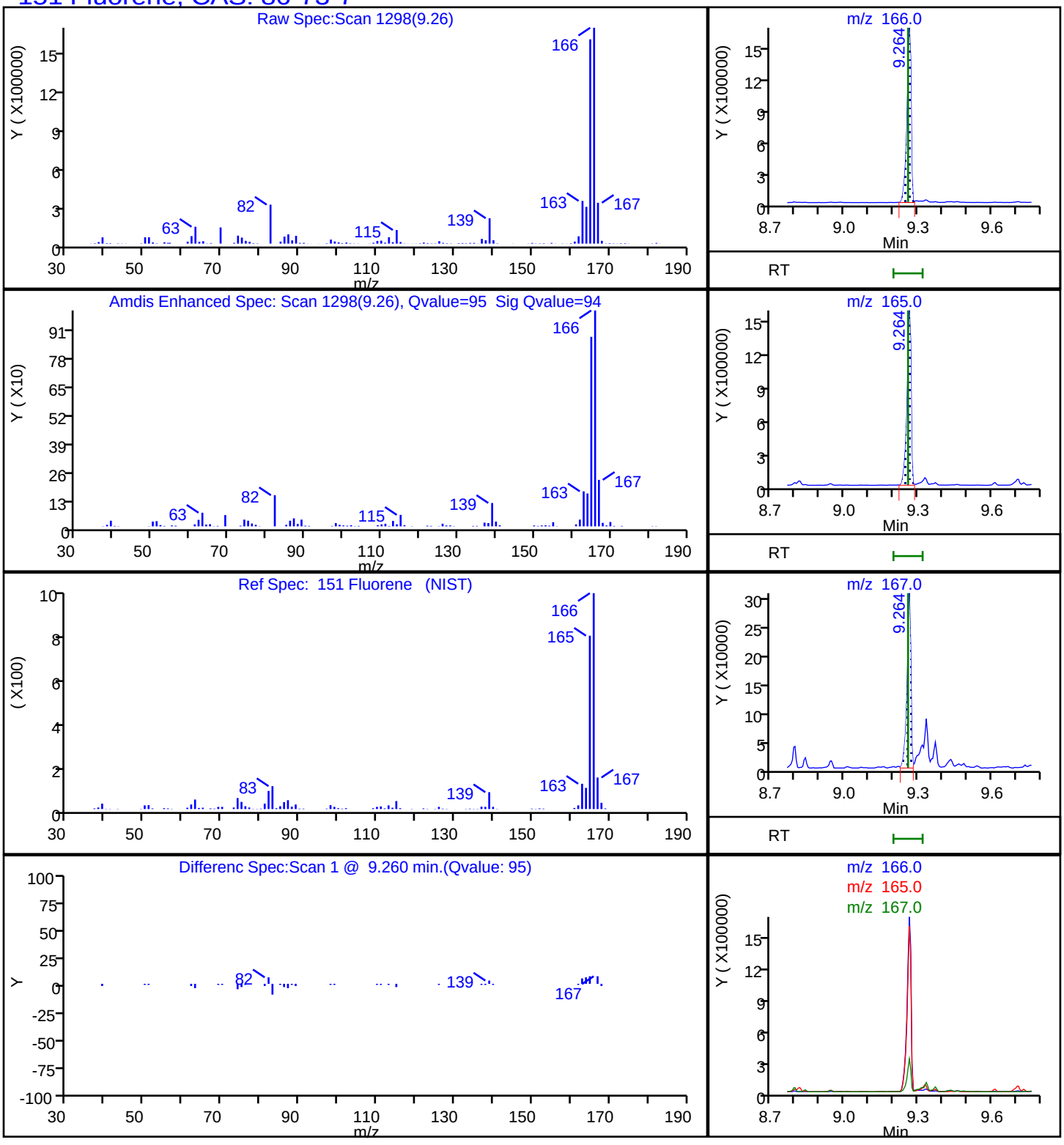
191 Fluoranthene, CAS: 206-44-0



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

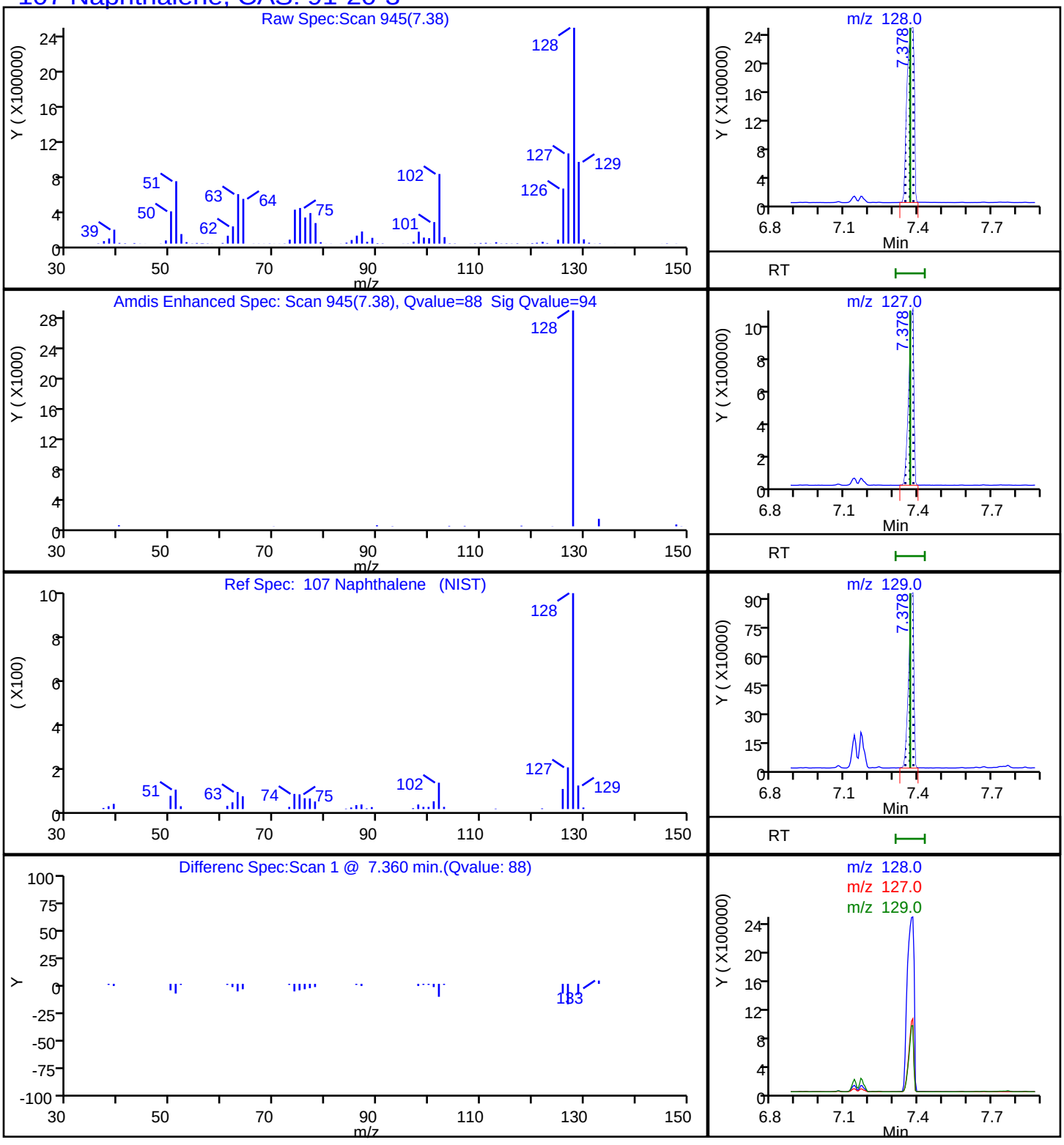
151 Fluorene, CAS: 86-73-7



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

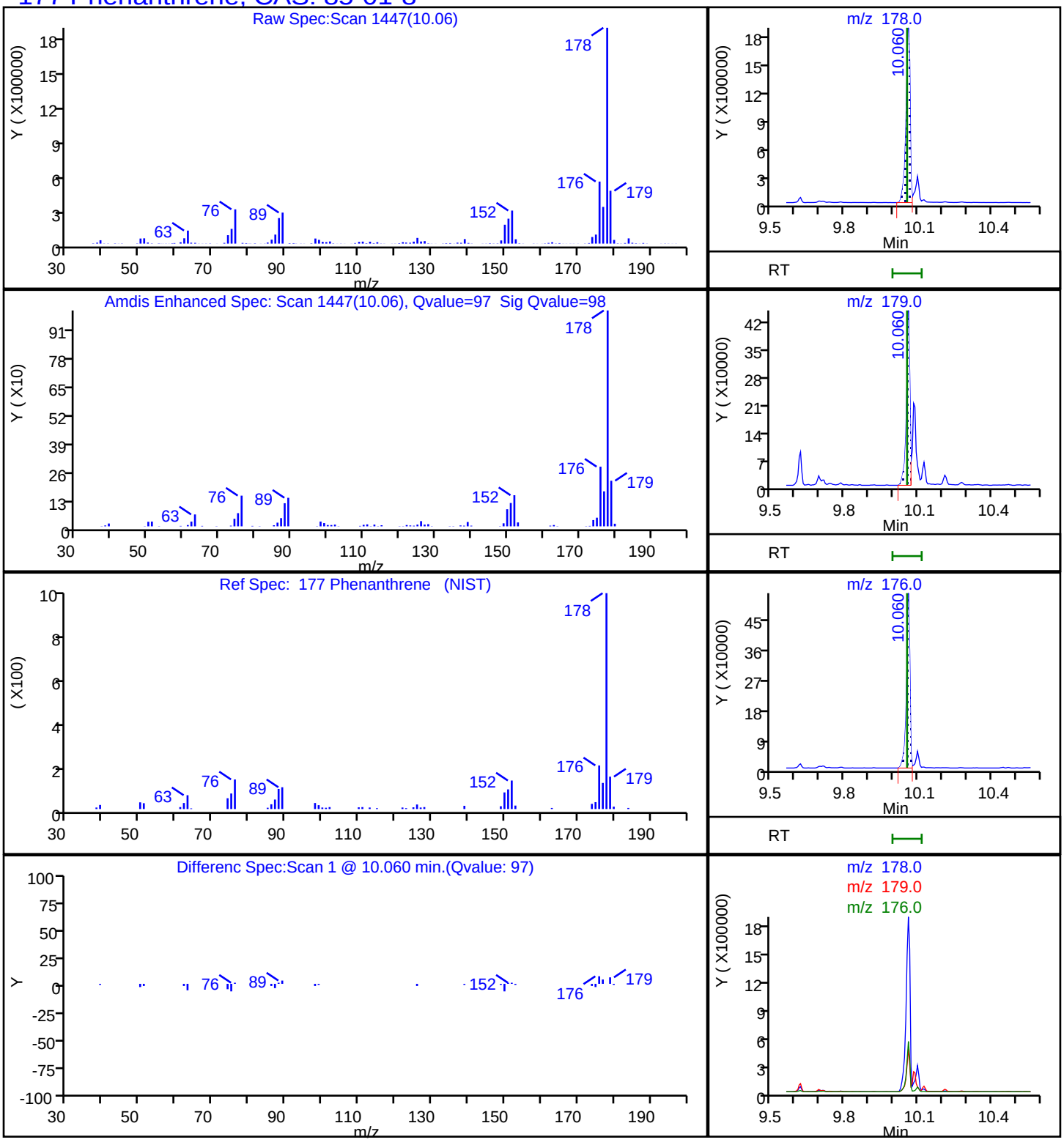
107 Naphthalene, CAS: 91-20-3



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

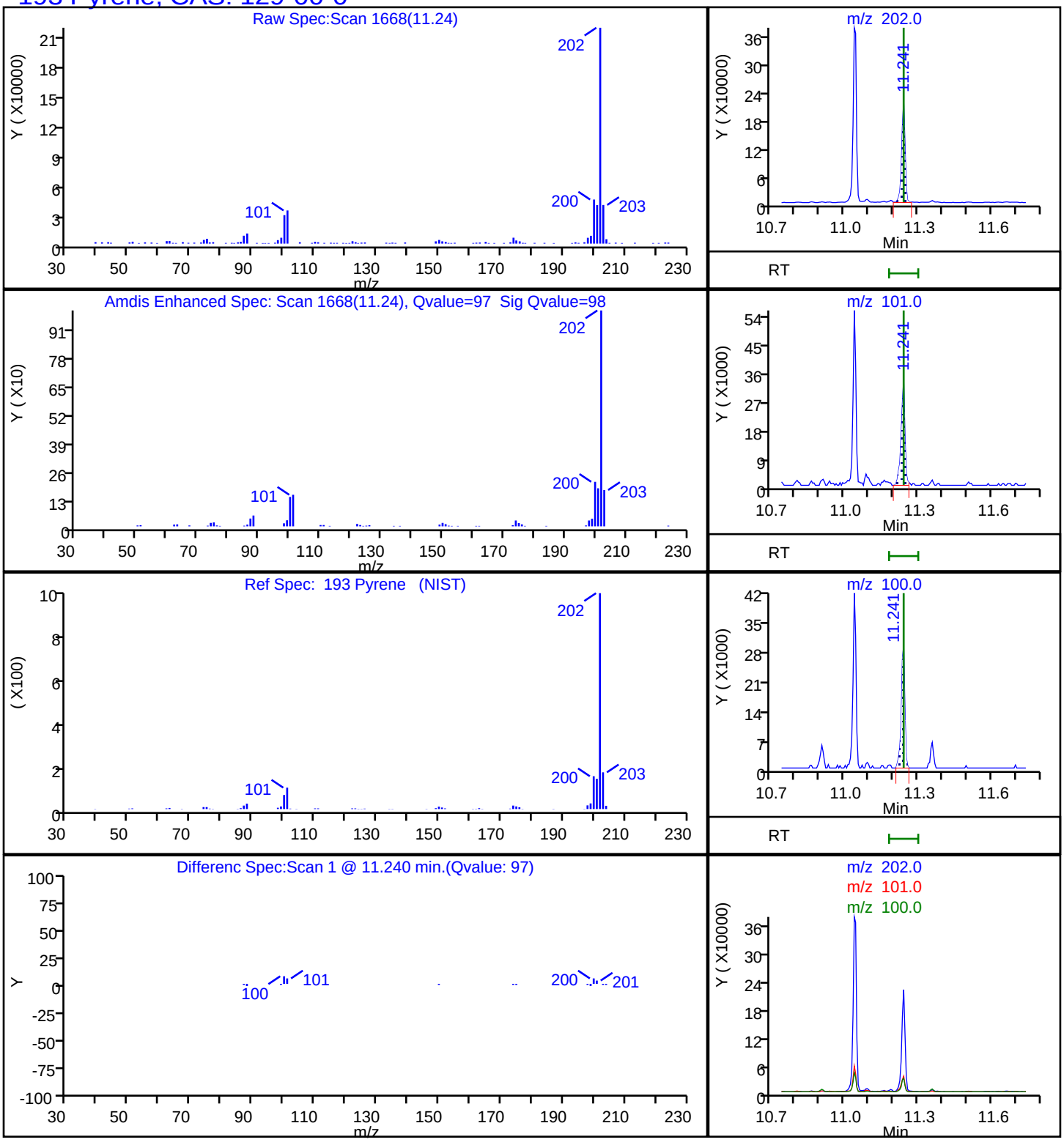
177 Phenanthrene, CAS: 85-01-8



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

193 Pyrene, CAS: 129-00-0



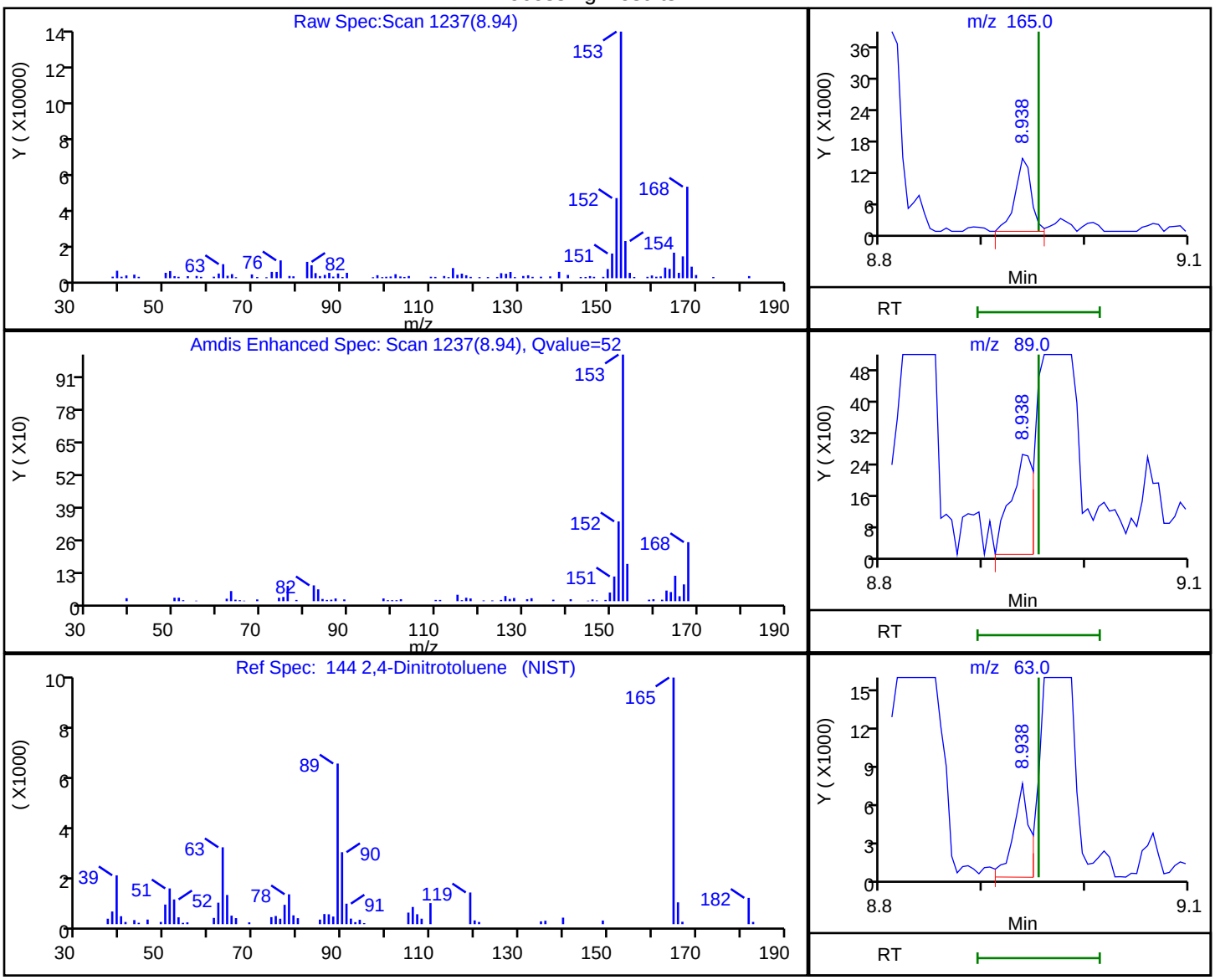
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

144 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
8.94	165.00	15370	0.484119
8.94	89.00	3998	
8.94	63.00	7385	

Reviewer: schickr, 03-Nov-2020 14:51:14

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

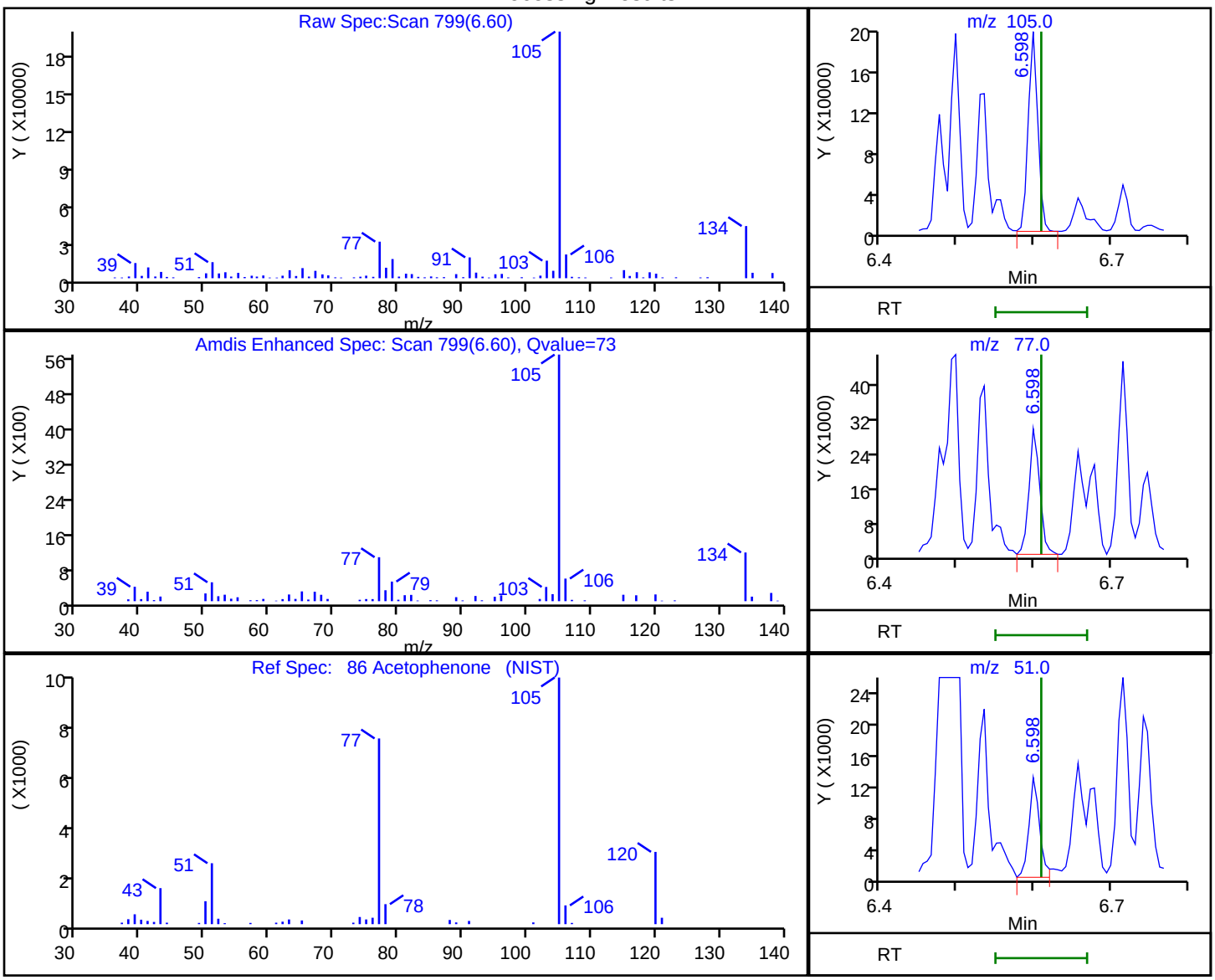
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Acetophenone, CAS: 98-86-2

Processing Results



RT	Mass	Response	Amount
6.60	105.00	172818	2.197074
6.60	77.00	28693	
6.60	51.00	12521	

Reviewer: schickr, 03-Nov-2020 14:50:20

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

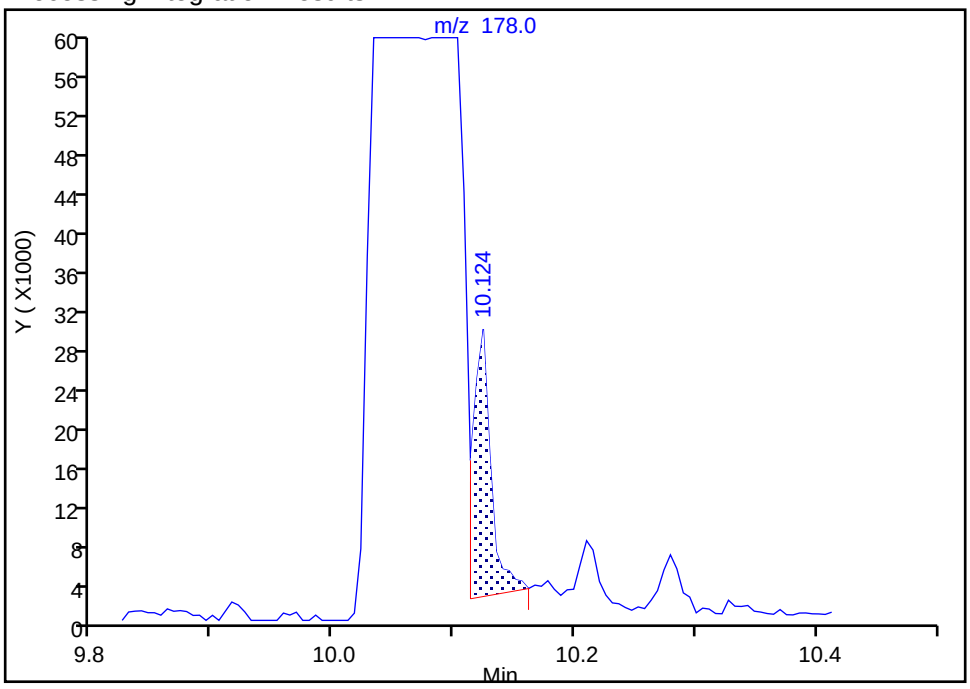
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Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

180 Anthracene, CAS: 120-12-7

Signal: 1

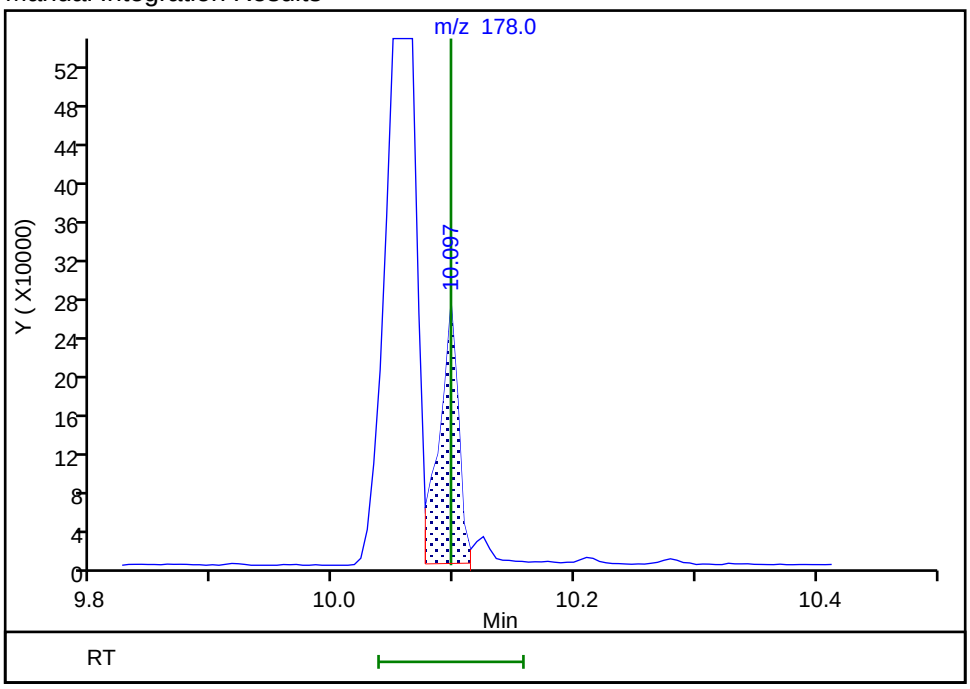
Processing Integration Results

RT: 10.12
Area: 28436
Amount: 0.171286
Amount Units: ng/uL



Manual Integration Results

RT: 10.10
Area: 302601
Amount: 1.822733
Amount Units: ng/uL



Reviewer: schickr, 03-Nov-2020 14:51:29

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

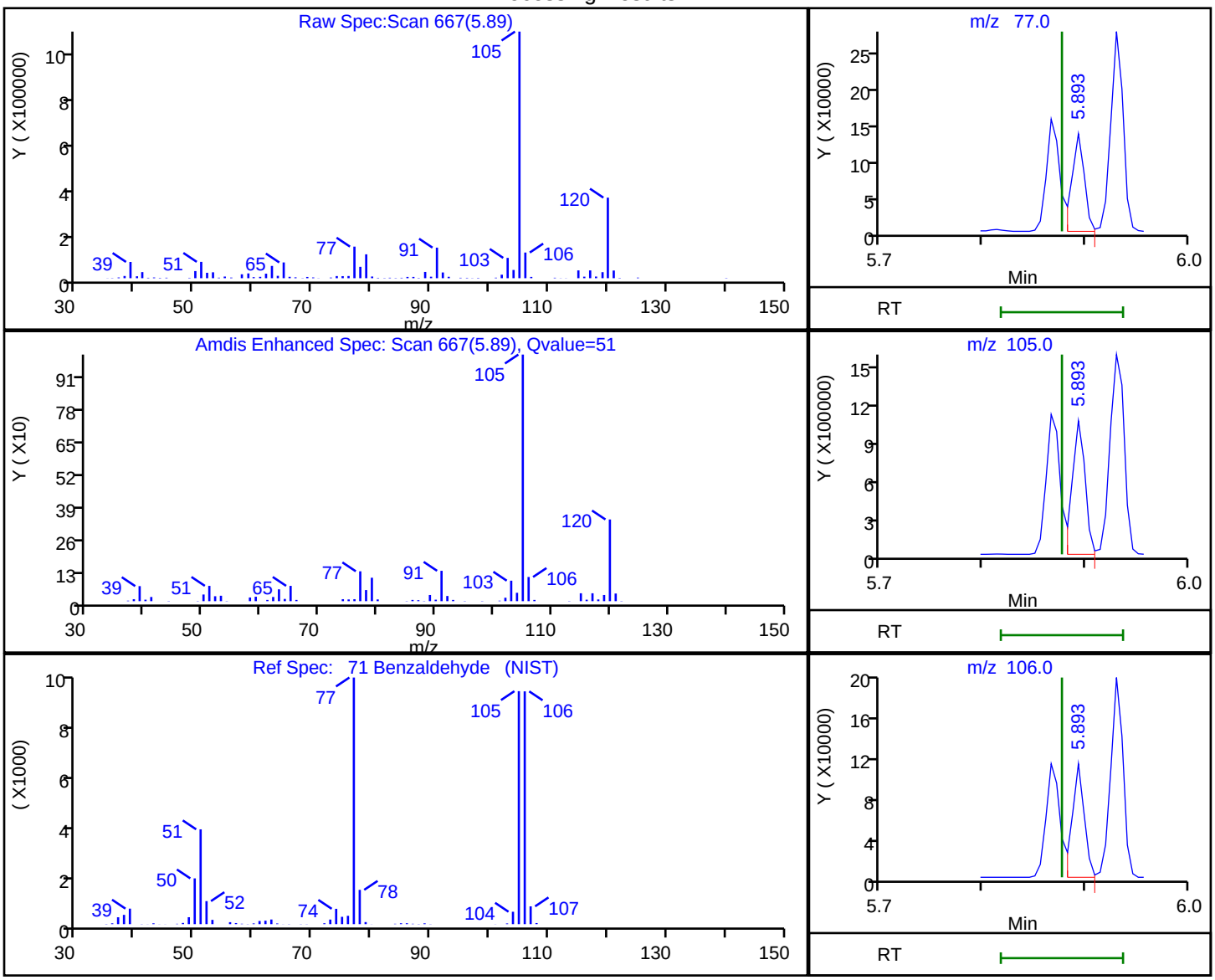
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

71 Benzaldehyde, CAS: 100-52-7

Processing Results



RT	Mass	Response	Amount
5.89	77.00	113771	2.458636
5.89	105.00	919807	
5.89	106.00	89723	

Reviewer: schickr, 03-Nov-2020 14:50:10

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

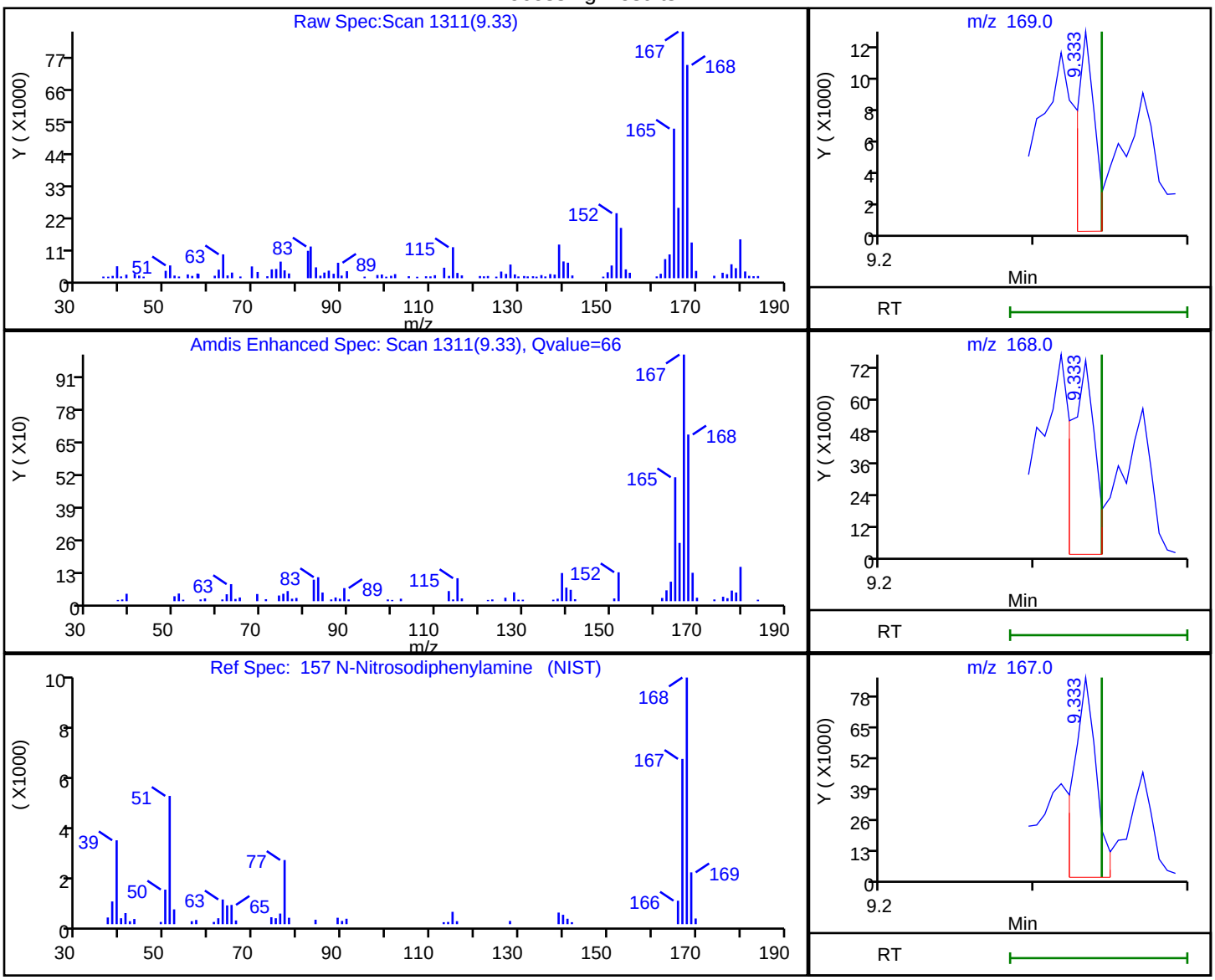
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147905.D				
Injection Date:	03-Nov-2020 09:13:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	JM	ALS Bottle#:	37	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

157 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
9.33	169.00	9375	0.115399
9.33	168.00	77825	
9.33	167.00	85750	

Reviewer: schickr, 03-Nov-2020 14:51:24

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-17 DL Lab Sample ID: 480-177111-6 DL

Matrix: Water Lab File ID: V3147952.D

Analysis Method: 8270D Date Collected: 10/23/2020 10:08

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 240(mL) Date Analyzed: 11/04/2020 08:22

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 557147 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	*Biphenyl*	*16*	*J*	*26*	*3.4*
108-60-1	*bis (2-chloroisopropyl) ether*	*ND*		*26*	*2.7*
95-95-4	*2,4,5-Trichlorophenol*	*ND*		*26*	*2.5*
88-06-2	*2,4,6-Trichlorophenol*	*ND*		*26*	*3.2*
120-83-2	*2,4-Dichlorophenol*	*ND*		*26*	*2.7*
105-67-9	*2,4-Dimethylphenol*	*ND*		*26*	*2.6*
51-28-5	*2,4-Dinitrophenol*	*ND*		*52*	*12*
121-14-2	*2,4-Dinitrotoluene*	*ND*		*26*	*2.3*
606-20-2	*2,6-Dinitrotoluene*	*ND*		*26*	*2.1*
91-58-7	*2-Chloronaphthalene*	*ND*		*26*	*2.4*
95-57-8	*2-Chlorophenol*	*ND*		*26*	*2.8*
91-57-6	*2-Methylnaphthalene*	*48*		*26*	*3.1*
95-48-7	*2-Methylphenol*	*ND*		*26*	*2.1*
88-74-4	*2-Nitroaniline*	*ND*		*52*	*2.2*
88-75-5	*2-Nitrophenol*	*ND*		*26*	*2.5*
91-94-1	*3,3'-Dichlorobenzidine*	*ND*		*26*	*2.1*
99-09-2	*3-Nitroaniline*	*ND*		*52*	*2.5*
534-52-1	*4,6-Dinitro-2-methylphenol*	*ND*		*52*	*11*
101-55-3	*4-Bromophenyl phenyl ether*	*ND*		*26*	*2.3*
59-50-7	*4-Chloro-3-methylphenol*	*ND*		*26*	*2.3*
106-47-8	*4-Chloroaniline*	*ND*		*26*	*3.1*
7005-72-3	*4-Chlorophenyl phenyl ether*	*ND*		*26*	*1.8*
106-44-5	*4-Methylphenol*	*ND*		*52*	*1.9*
100-01-6	*4-Nitroaniline*	*ND*		*52*	*1.3*
100-02-7	*4-Nitrophenol*	*ND*		*52*	*7.9*
83-32-9	Acenaphthene	170		26	2.1
208-96-8	*Acenaphthylene*	*2.6*	*J*	*26*	*2.0*
98-86-2	*Acetophenone*	*ND*		*26*	*2.8*
120-12-7	*Anthracene*	*12*	*J*	*26*	*1.5*
1912-24-9	*Atrazine*	*ND*		*26*	*2.4*
100-52-7	*Benzaldehyde*	*ND*		*26*	*1.4*
56-55-3	*Benzo(a)anthracene*	*ND*		*26*	*1.9*
50-32-8	*Benzo(a)pyrene*	*ND*		*26*	*2.4*
205-99-2	*Benzo(b)fluoranthene*	*ND*		*26*	*1.8*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-17 DL Lab Sample ID: 480-177111-6 DL

Matrix: Water Lab File ID: V3147952.D

Analysis Method: 8270D Date Collected: 10/23/2020 10:08

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 240(mL) Date Analyzed: 11/04/2020 08:22

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 557147 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	*Benzo(g,h,i)perylene*	*ND*		*26*	*1.8*
207-08-9	*Benzo(k)fluoranthene*	*ND*		*26*	*3.8*
111-91-1	*Bis(2-chloroethoxy)methane*	*ND*		*26*	*1.8*
111-44-4	*Bis(2-chloroethyl)ether*	*ND*		*26*	*2.1*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*ND*		*26*	*11*
85-68-7	*Butyl benzyl phthalate*	*ND*		*26*	*5.2*
105-60-2	*Caprolactam*	*ND*		*26*	*11*
86-74-8	*Carbazole*	*6.6*	*J*	*26*	*1.6*
218-01-9	*Chrysene*	*ND*		*26*	*1.7*
84-74-2	*Di-n-butyl phthalate*	*ND*		*26*	*1.6*
117-84-0	*Di-n-octyl phthalate*	*ND*		*26*	*2.4*
53-70-3	*Dibenz(a,h)anthracene*	*ND*		*26*	*2.2*
132-64-9	*Dibenzofuran*	*75*		*52*	*2.7*
84-66-2	*Diethyl phthalate*	*ND*		*26*	*1.1*
131-11-3	*Dimethyl phthalate*	*ND*		*26*	*1.9*
206-44-0	*Fluoranthene*	*9.1*	*J*	*26*	*2.1*
86-73-7	Fluorene	80		26	1.9
118-74-1	*Hexachlorobenzene*	*ND*		*26*	*2.7*
87-68-3	*Hexachlorobutadiene*	*ND*		*26*	*3.5*
77-47-4	*Hexachlorocyclopentadiene*	*ND*		*26*	*3.1*
67-72-1	*Hexachloroethane*	*ND*		*26*	*3.1*
193-39-5	*Indeno(1,2,3-cd)pyrene*	*ND*		*26*	*2.4*
78-59-1	*Isophorone*	*ND*		*26*	*2.2*
621-64-7	*N-Nitrosodi-n-propylamine*	*ND*		*26*	*2.8*
86-30-6	*N-Nitrosodiphenylamine*	*ND*		*26*	*2.7*
91-20-3	Naphthalene	250		26	4.0
98-95-3	*Nitrobenzene*	*ND*		*26*	*1.5*
87-86-5	*Pentachlorophenol*	*ND*		*52*	*11*
85-01-8	*Phenanthrene*	*71*		*26*	*2.3*
108-95-2	*Phenol*	*ND*		*26*	*2.0*
129-00-0	*Pyrene*	*4.9*	*J*	*26*	*1.8*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-17 DL Lab Sample ID: 480-177111-6 DL

Matrix: Water Lab File ID: V3147952.D

Analysis Method: 8270D Date Collected: 10/23/2020 10:08

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 240(mL) Date Analyzed: 11/04/2020 08:22

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

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

Analysis Batch No.: 557147 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	86		41-120
321-60-8	2-Fluorobiphenyl	104		48-120
367-12-4	2-Fluorophenol	65		35-120
4165-60-0	Nitrobenzene-d5	93		46-120
1718-51-0	p-Terphenyl-d14	95		60-148
4165-62-2	Phenol-d5	46		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D
Lims ID: 480-177111-B-6-A
Client ID: MW-17
Sample Type: Client
Inject. Date: 04-Nov-2020 08:22:30 ALS Bottle#: 43 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 480-0094668-017
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Nov-2020 14:12:19 Calib Date: 03-Nov-2020 16:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94666.b\V3147918.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: quirkp Date: 04-Nov-2020 14:12:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.251	0.005	98	156803	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	605864	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	95	326089	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	97	486942	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	99	465078	4.00	
* 6 Perylene-d12	264	14.339	14.344	-0.005	96	363515	4.00	
$ 7 2-Fluorophenol	112	5.108	5.101	0.011	94	58147	1.05	
$ 8 Phenol-d5	99	5.946	5.946	0.005	91	50628	0.7321	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	91	84170	1.48	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	169869	1.66	
$ 11 2,4,6-Tribromophenol	330	9.462	9.457	0.000	85	16470	1.38	
$ 12 p-Terphenyl-d14	244	11.353	11.353	-0.005	98	176594	1.53	
71 Benzaldehyde	77		5.872				ND	U
72 Phenol	94		5.957				ND	
74 Bis(2-chloroethyl)ether	93		6.021				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.491				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
86 Acetophenone	105		6.609				ND	U
88 4-Methylphenol	108		6.614				ND	
89 Hexachloroethane	117		6.694				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.026				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128	7.367	7.362	-0.001	99	1853157	12.0	
108 4-Chloroaniline	127		7.405				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.816				ND	
121 2-Methylnaphthalene	142	7.939	7.944	-0.005	92	238245	2.31	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.180				ND	
129 2,4,5-Trichlorophenol	196		8.217				ND	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	94	93729	0.7669	
131 2-Chloronaphthalene	162		8.351				ND	
132 2-Nitroaniline	65		8.431				ND	
134 Dimethyl phthalate	163		8.570				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152	8.692	8.692	0.000	97	16045	0.1232	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153	8.837	8.837	0.000	94	800195	8.38	
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.906				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	
145 Dibenzofuran	168	8.975	8.975	-0.001	96	440645	3.59	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166	9.259	9.259	0.000	95	389761	3.83	
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169		9.344				ND	U
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178	10.055	10.049	0.000	97	464853	3.39	
180 Anthracene	178	10.092	10.092	-0.005	95	77300	0.5614	
181 Carbazole	167	10.226	10.220	0.000	96	35741	0.3180	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202	11.038	11.032	0.000	97	62714	0.4346	
193 Pyrene	202	11.235	11.236	-0.006	98	37831	0.2347	
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149		12.421				ND	
205 Benzo[a]anthracene	228		12.448				ND	
207 Chrysene	228		12.491				ND	
208 Di-n-octyl phthalate	149		13.233				ND	
209 Benzo[b]fluoranthene	252		13.810				ND	
211 Benzo[k]fluoranthene	252		13.848				ND	
213 Benzo[a]pyrene	252		14.264				ND	
215 Indeno[1,2,3-cd]pyrene	276		15.862				ND	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276		16.252				ND	

QC Flag Legend

Processing Flags

Review Flags
U - Marked Undetected

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

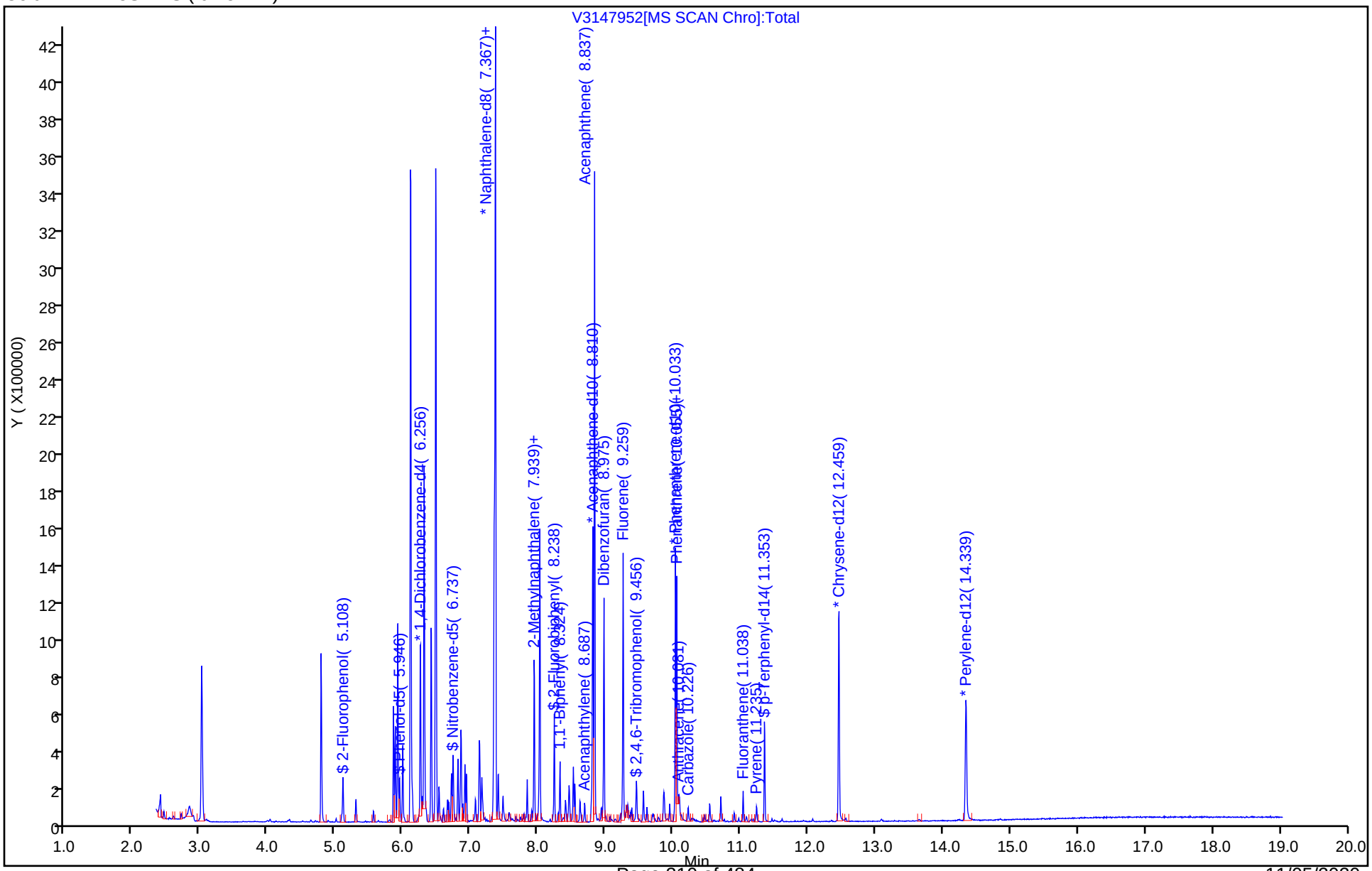
Report Date: 04-Nov-2020 14:12:19 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D

Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6	Worklist Smp#:	17
Client ID:	MW-17				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	43
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

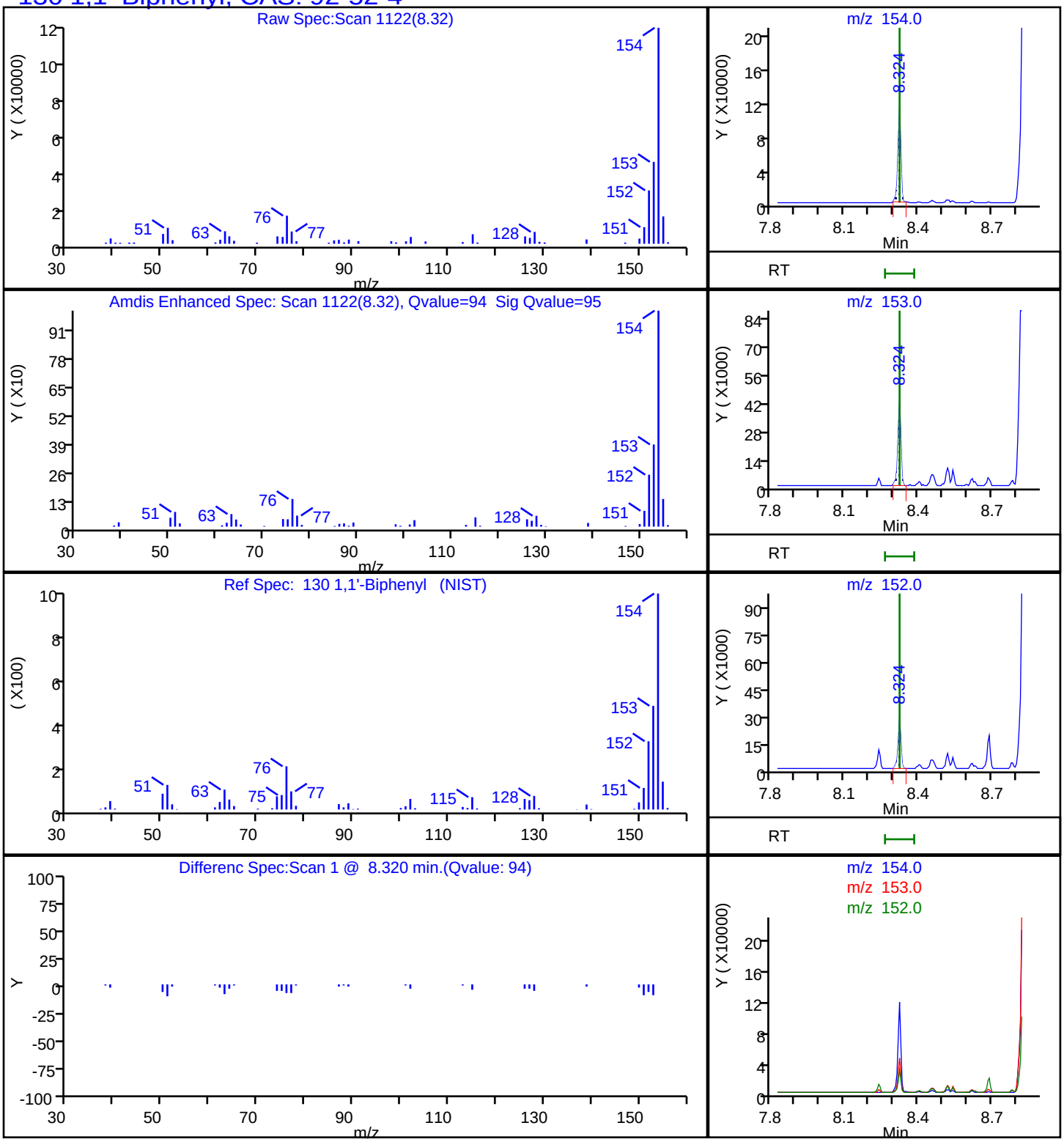
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Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

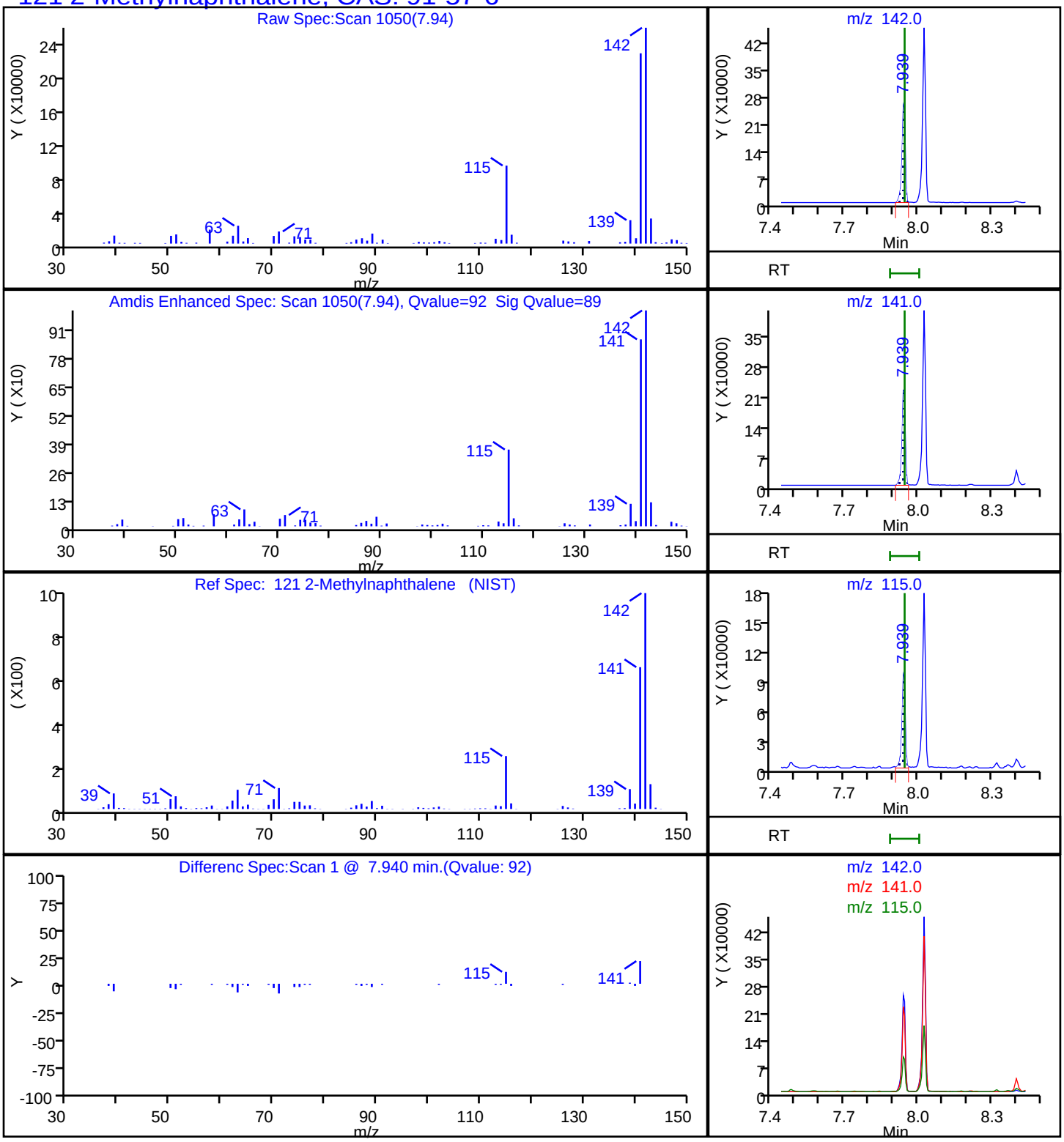
130 1,1'-Biphenyl, CAS: 92-52-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

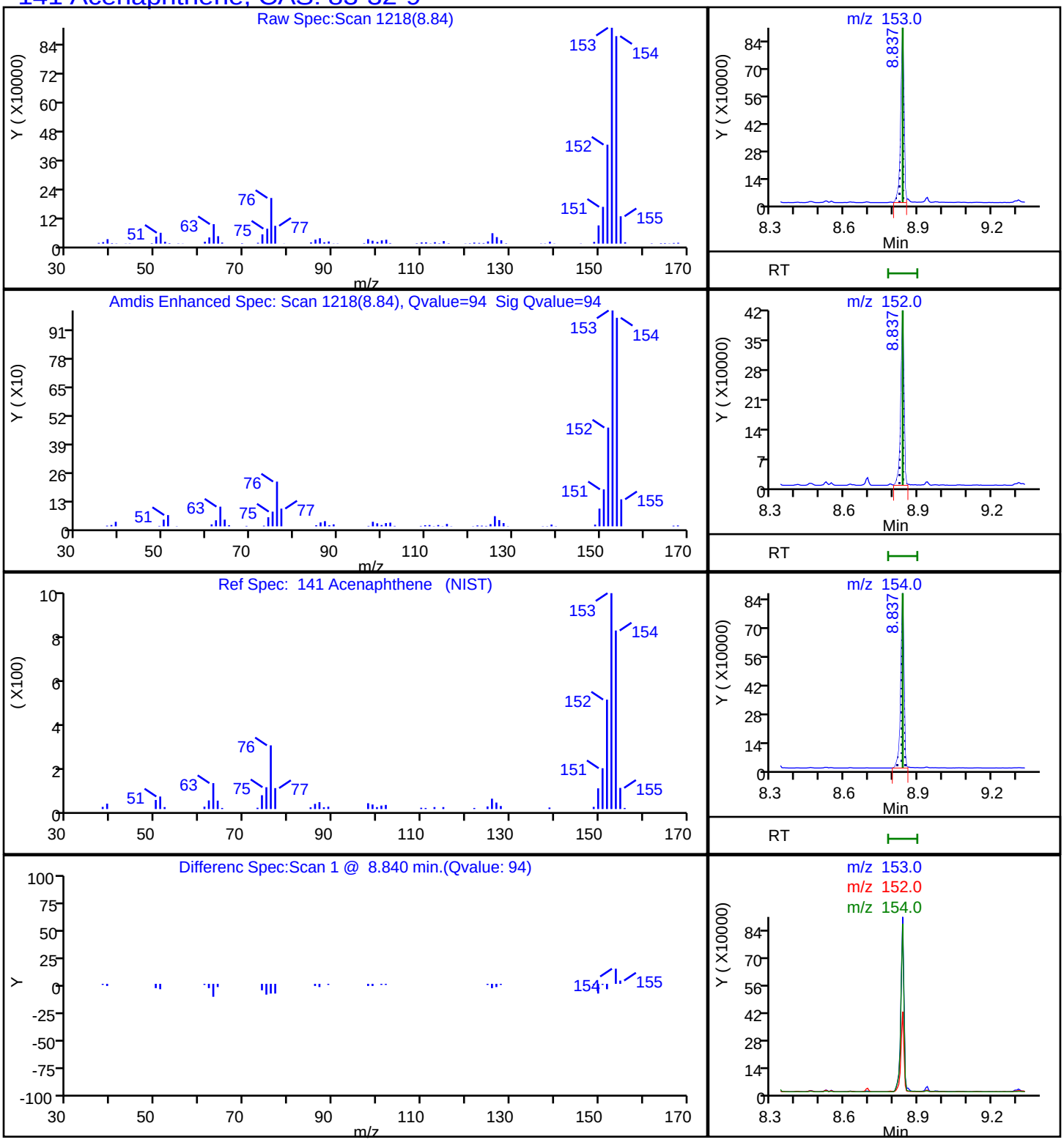
121 2-Methylnaphthalene, CAS: 91-57-6



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

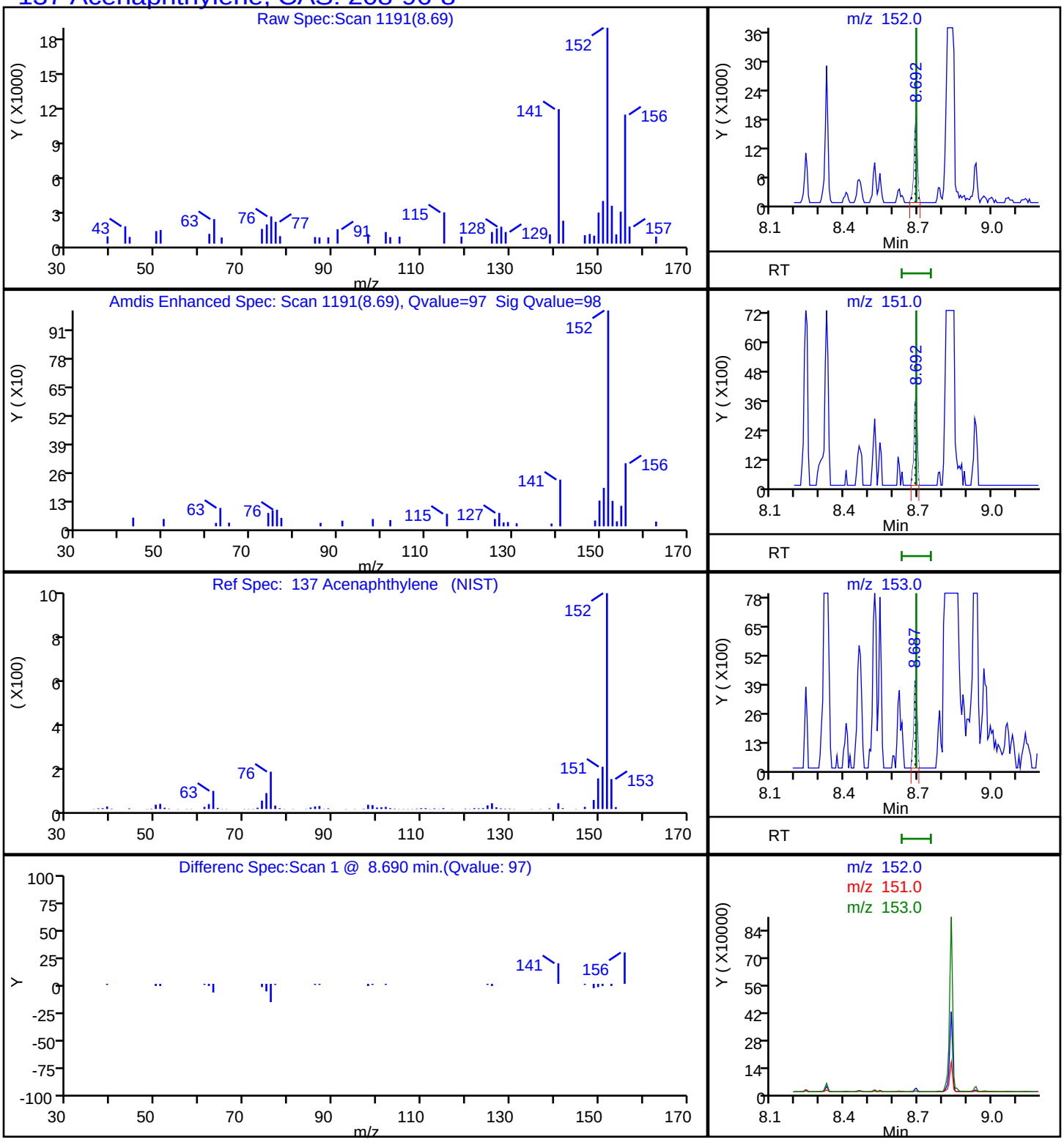
141 Acenaphthene, CAS: 83-32-9



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

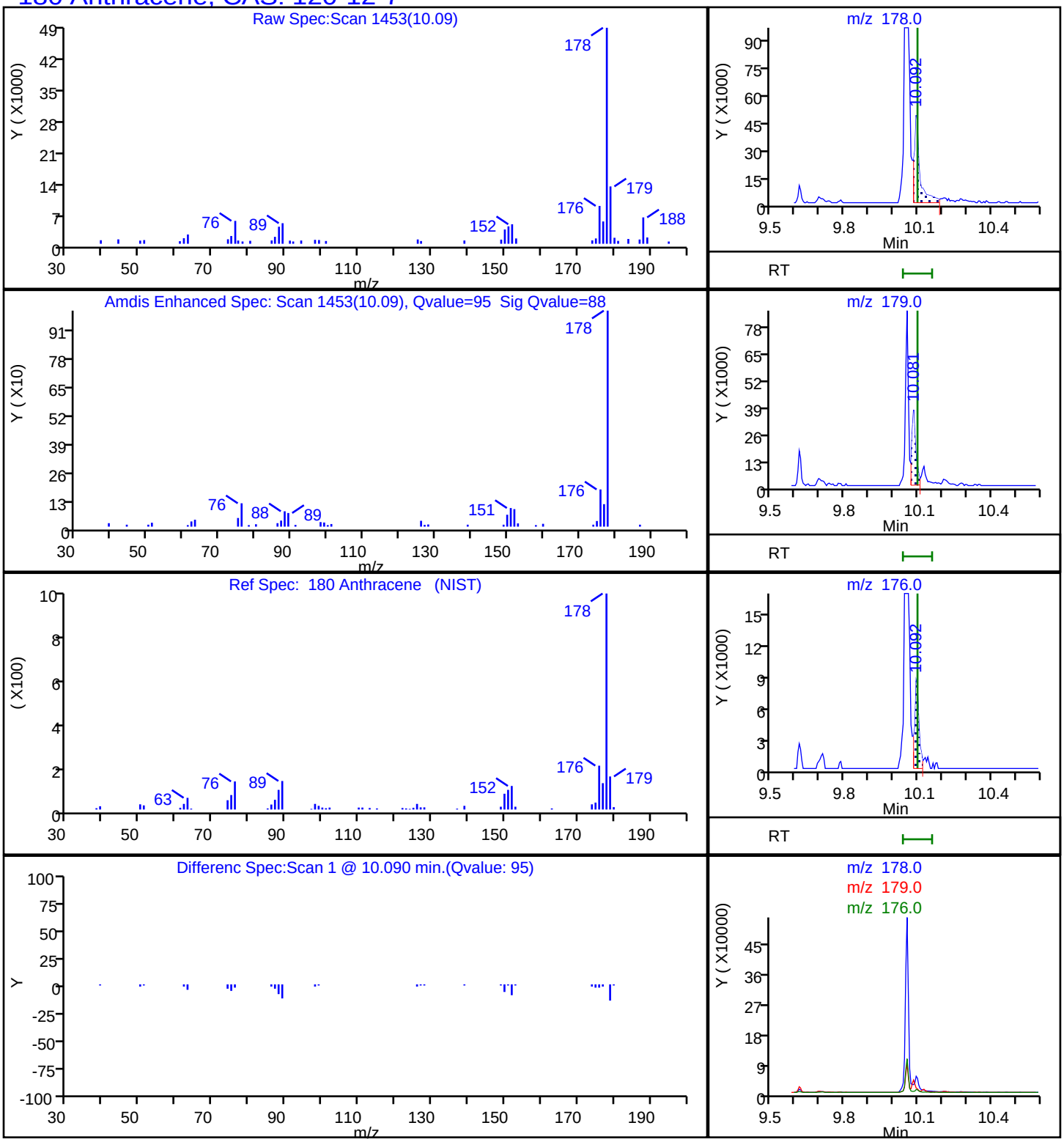
137 Acenaphthylene, CAS: 208-96-8



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D		
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6
Client ID:	MW-17		
Operator ID:	PJQ	ALS Bottle#:	43 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

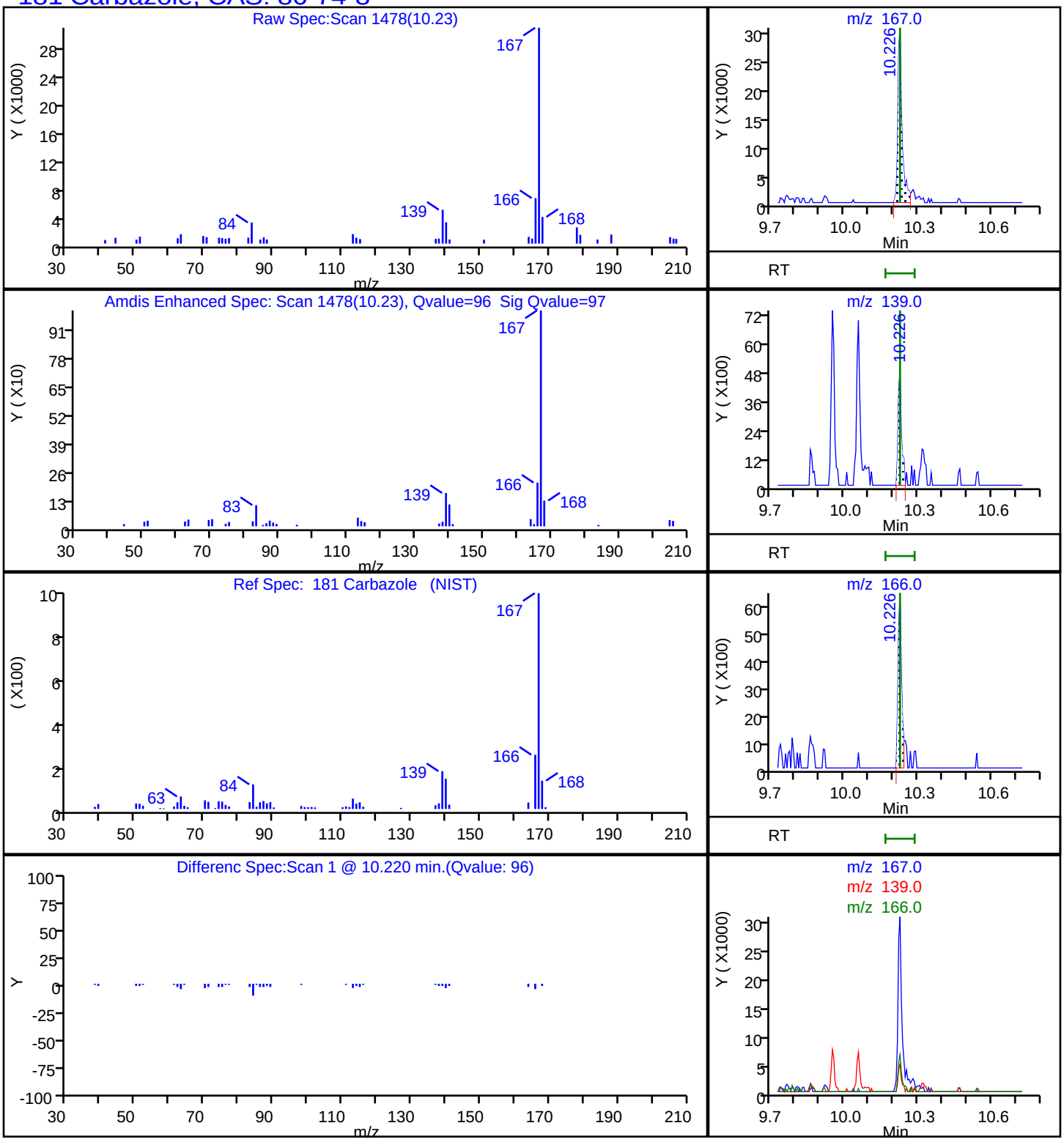
180 Anthracene, CAS: 120-12-7



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

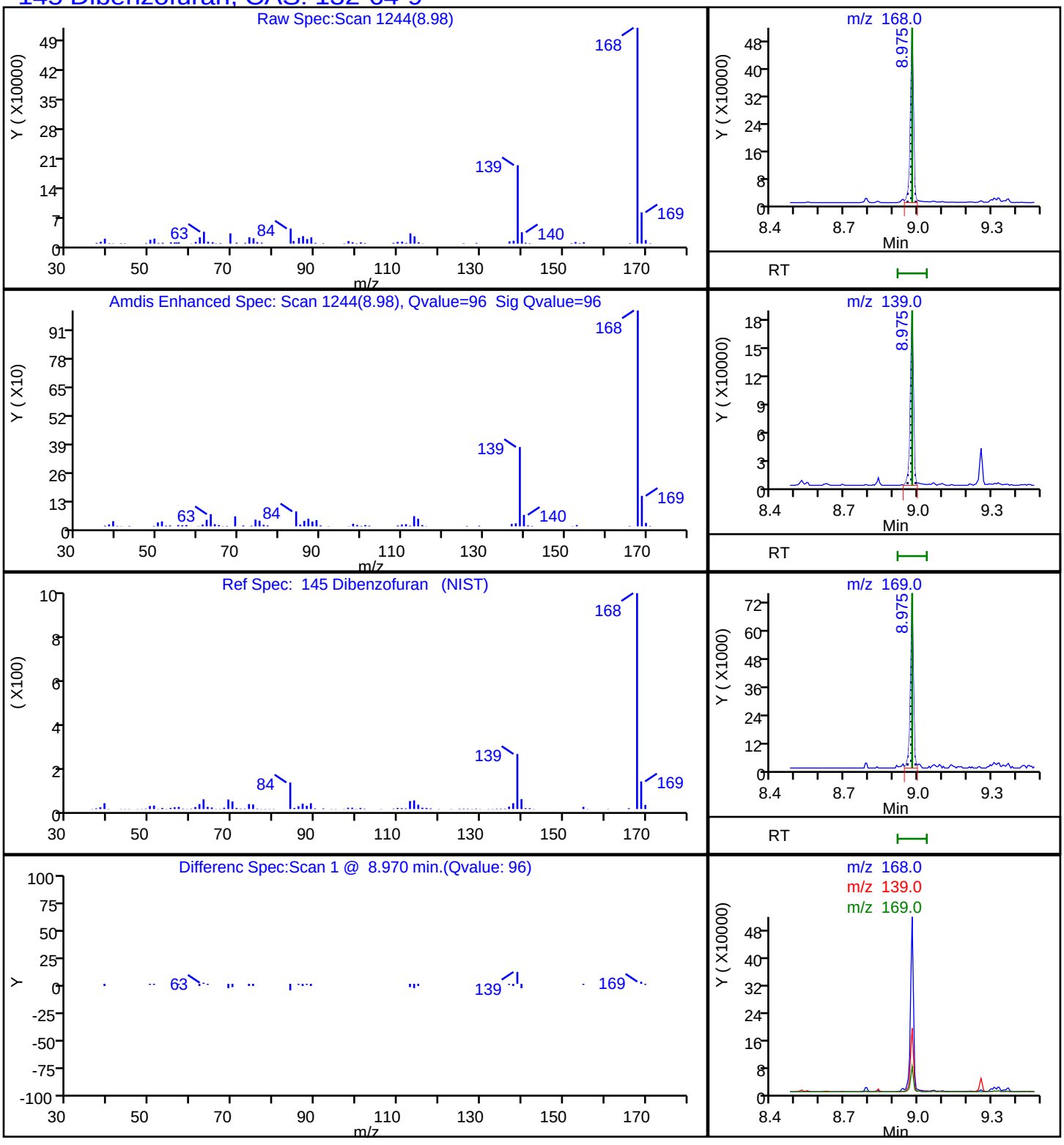
181 Carbazole, CAS: 86-74-8



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

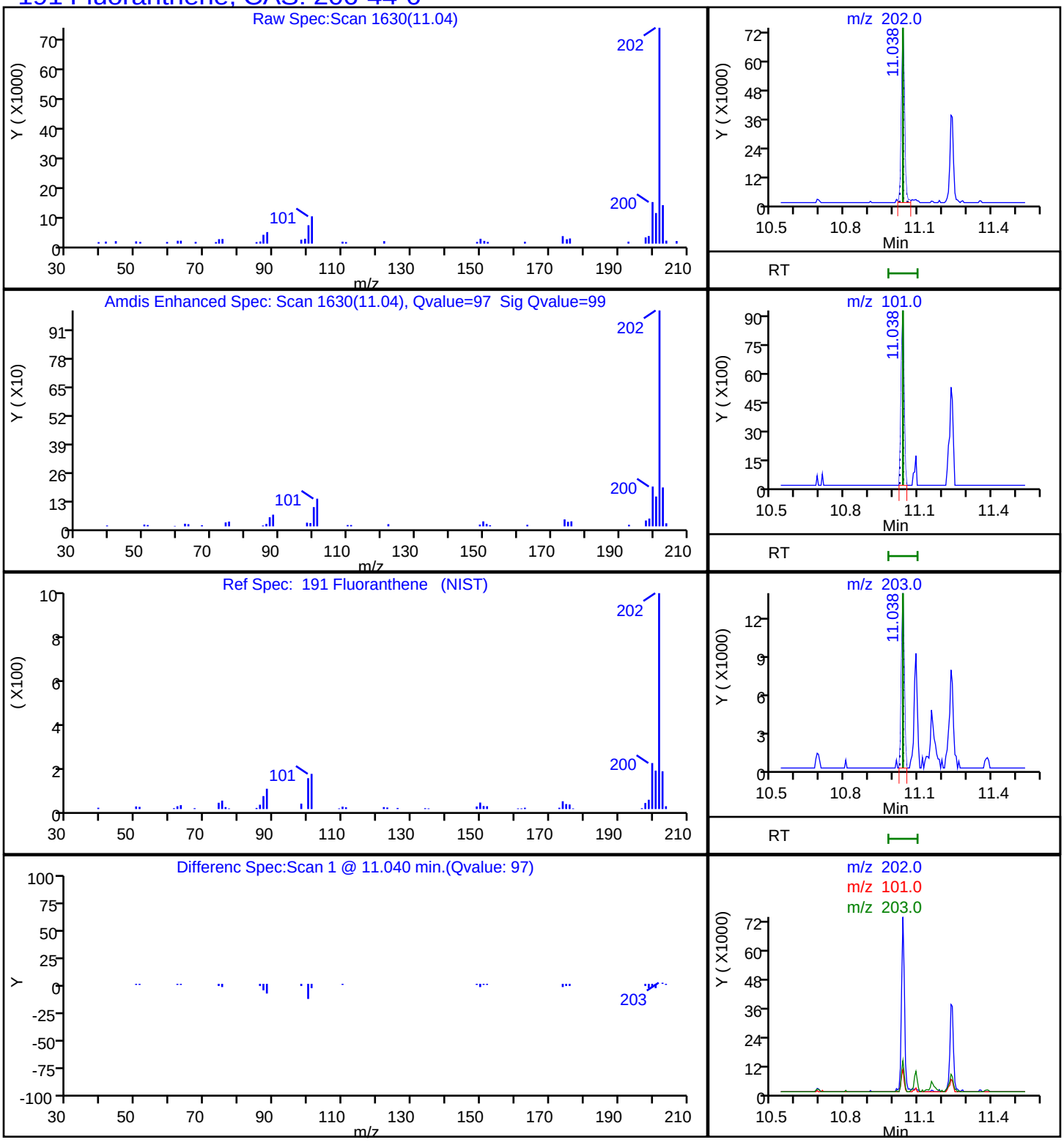
145 Dibenzofuran, CAS: 132-64-9



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

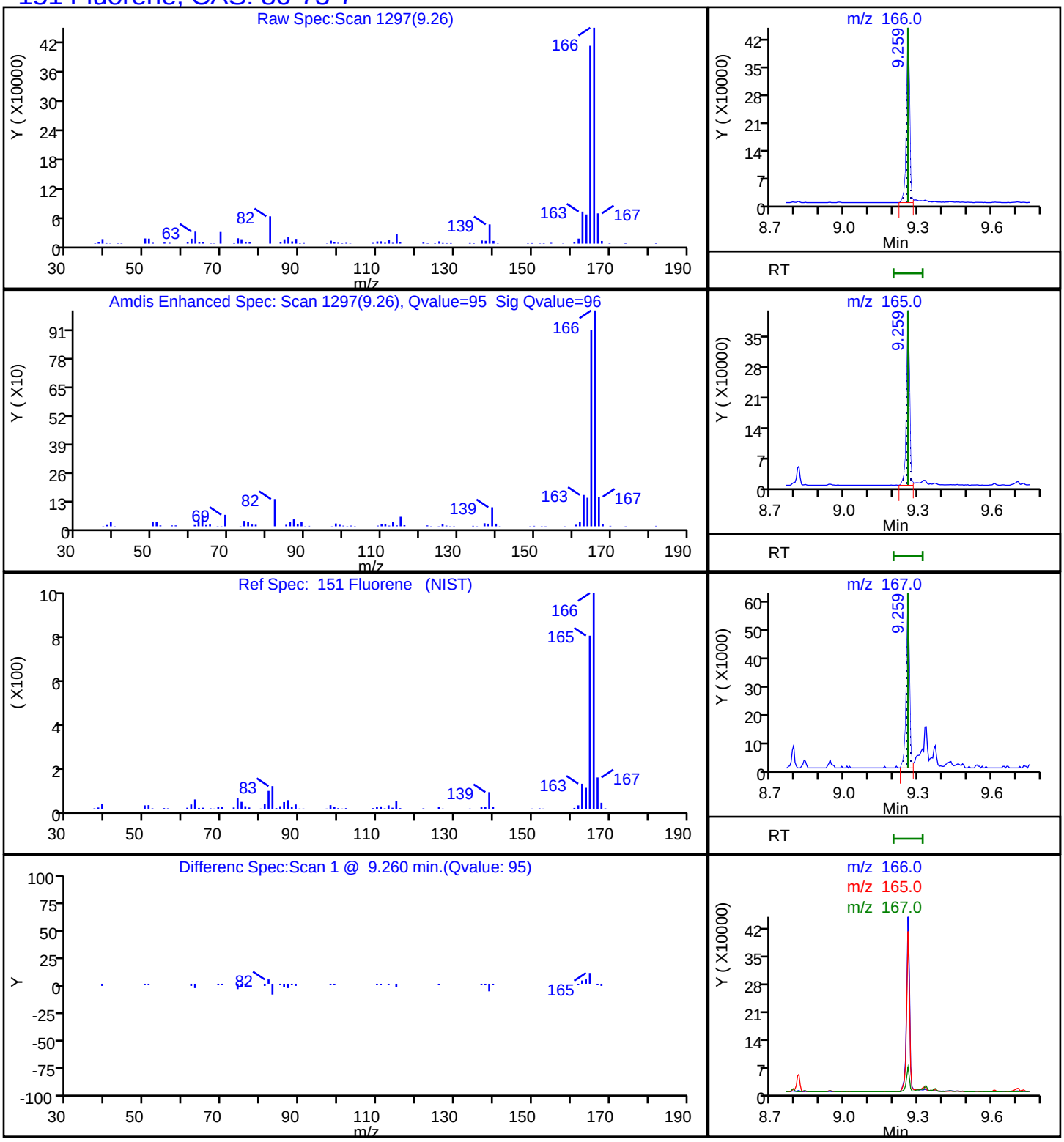
191 Fluoranthene, CAS: 206-44-0



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

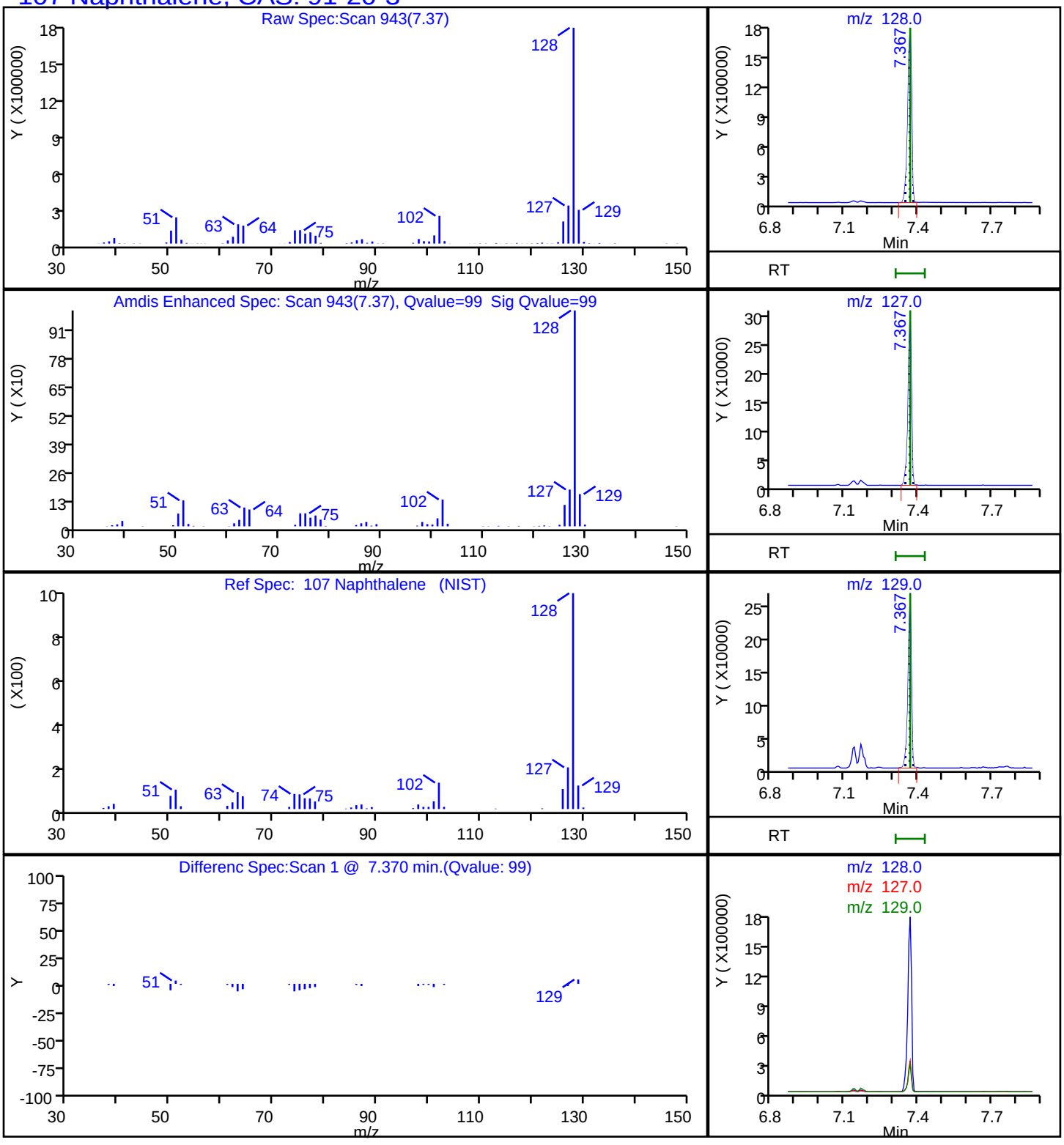
151 Fluorene, CAS: 86-73-7



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

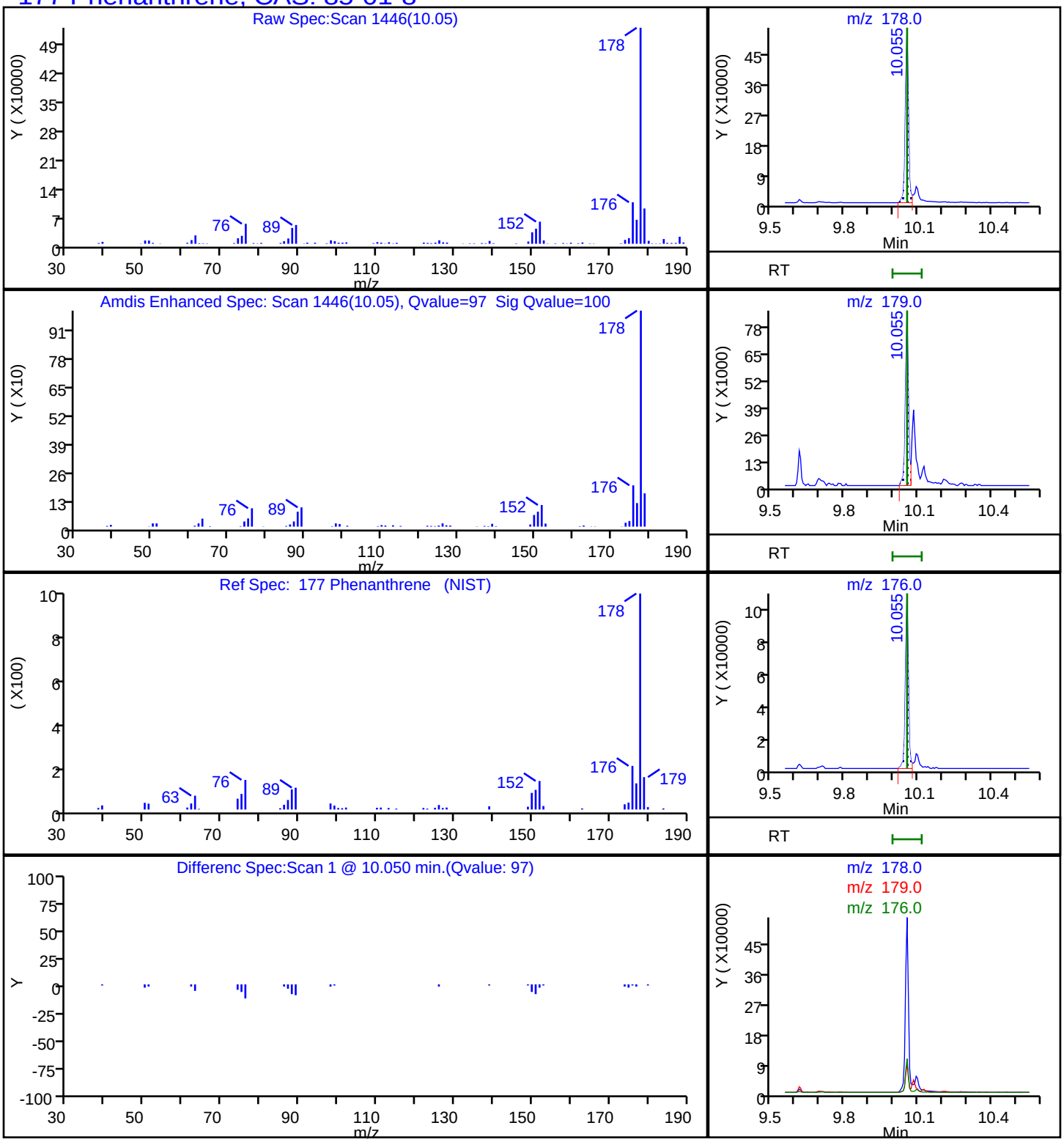
107 Naphthalene, CAS: 91-20-3



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

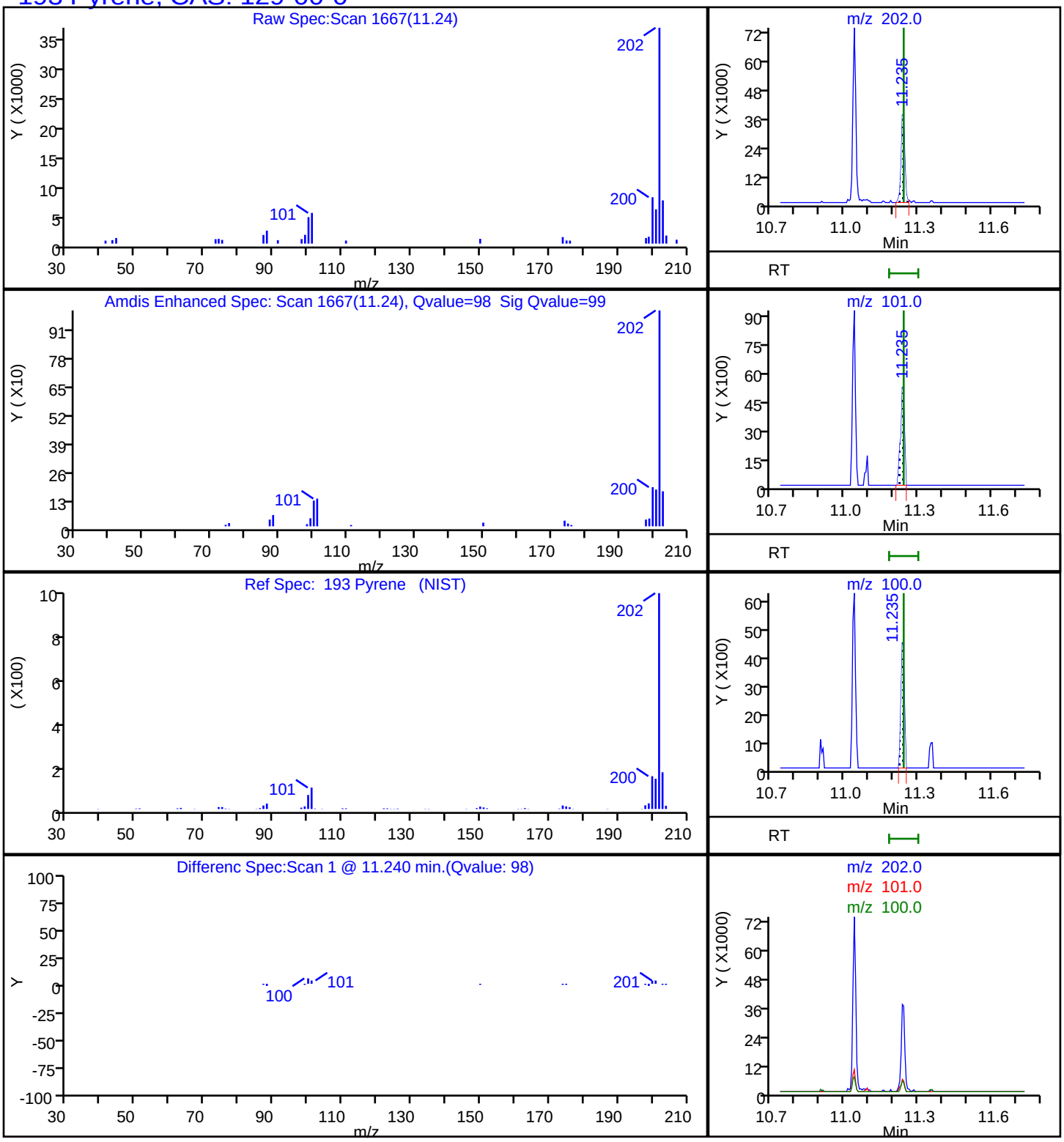
177 Phenanthrene, CAS: 85-01-8



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

193 Pyrene, CAS: 129-00-0



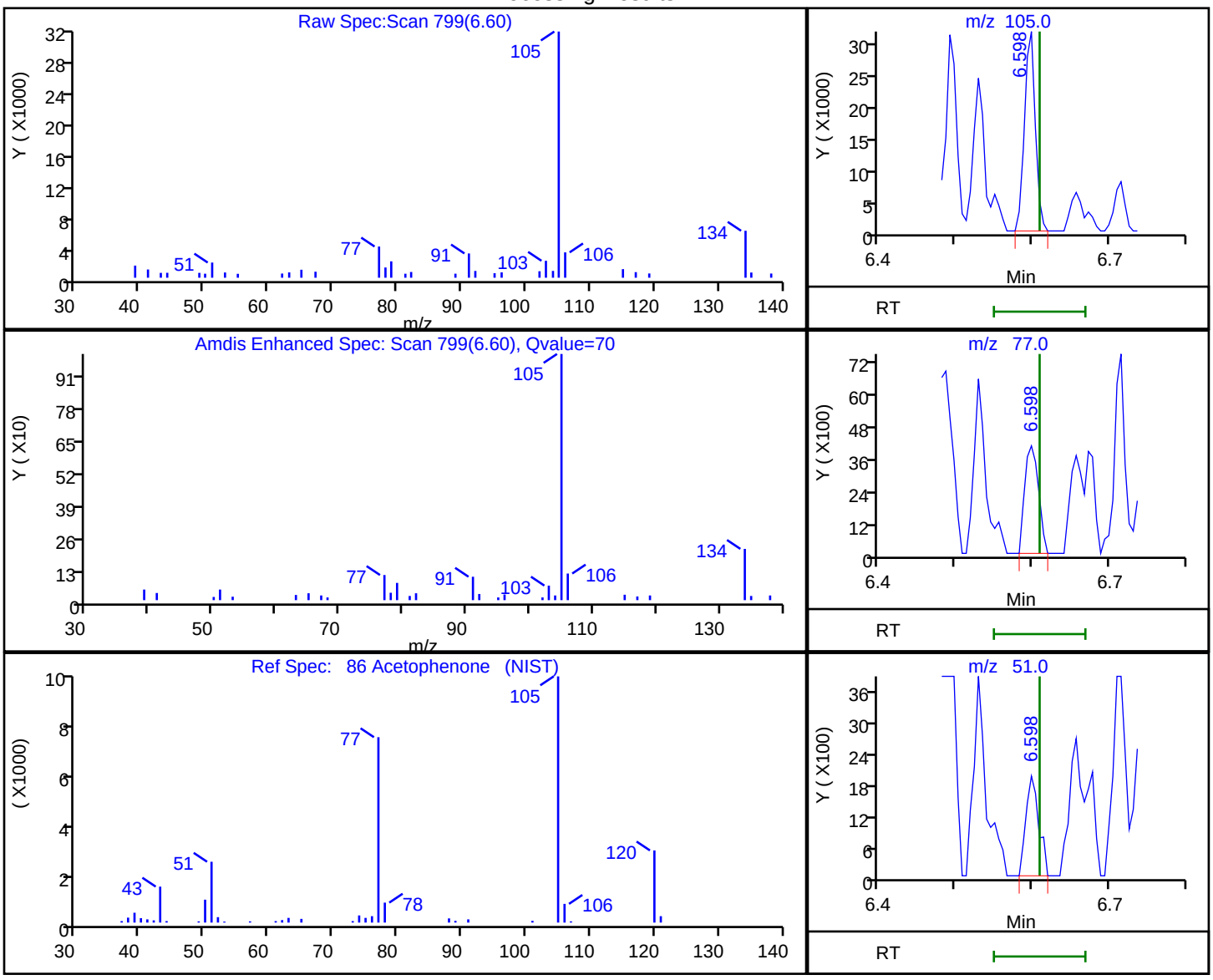
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Acetophenone, CAS: 98-86-2

Processing Results



RT	Mass	Response	Amount
6.60	105.00	31080	0.408115
6.60	77.00	5012	
6.60	51.00	2277	

Reviewer: quirkp, 04-Nov-2020 14:10:15

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

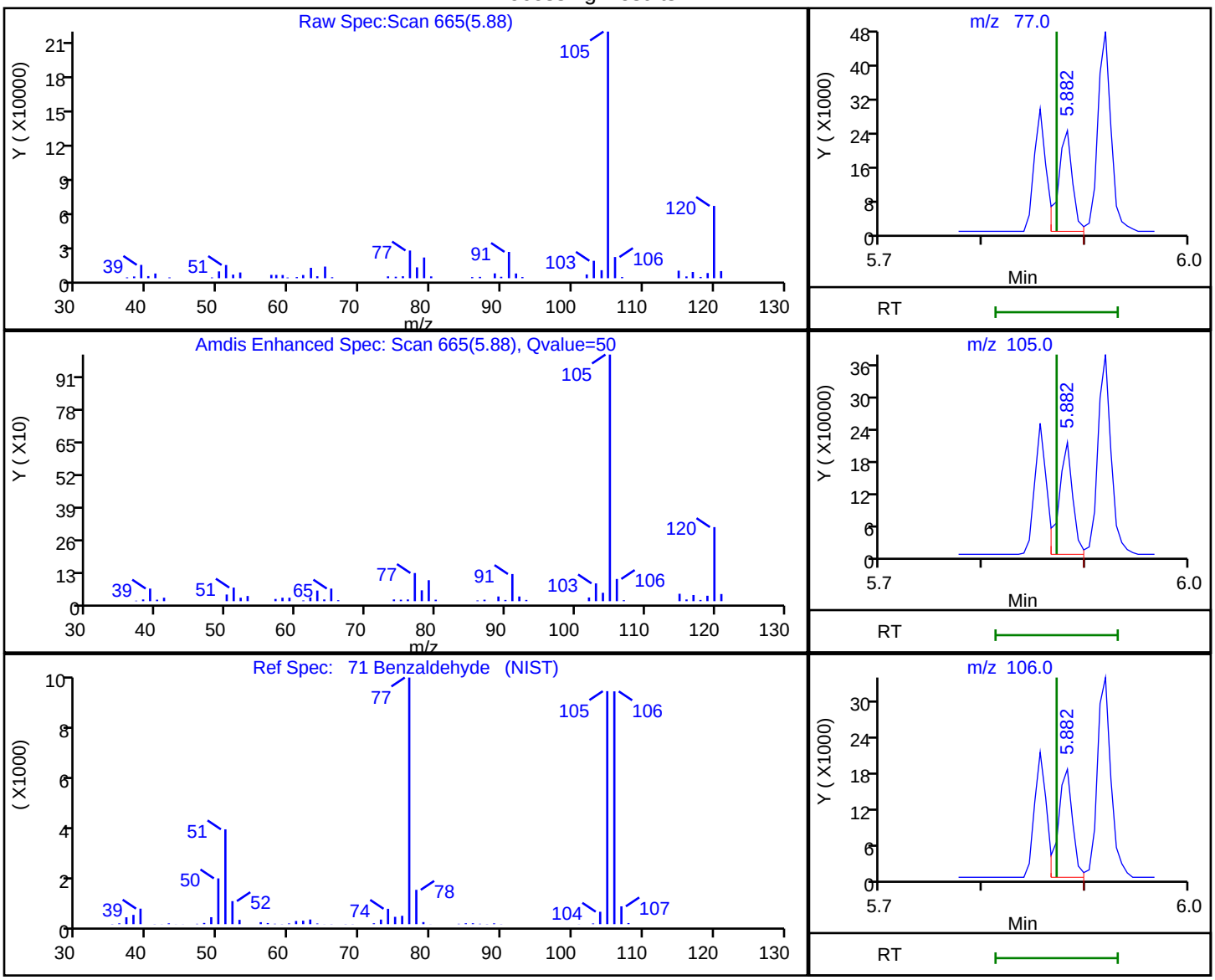
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

71 Benzaldehyde, CAS: 100-52-7

Processing Results



RT	Mass	Response	Amount
5.88	77.00	22723	0.507194
5.88	105.00	198207	
5.88	106.00	17642	

Reviewer: quirkp, 04-Nov-2020 14:10:10

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

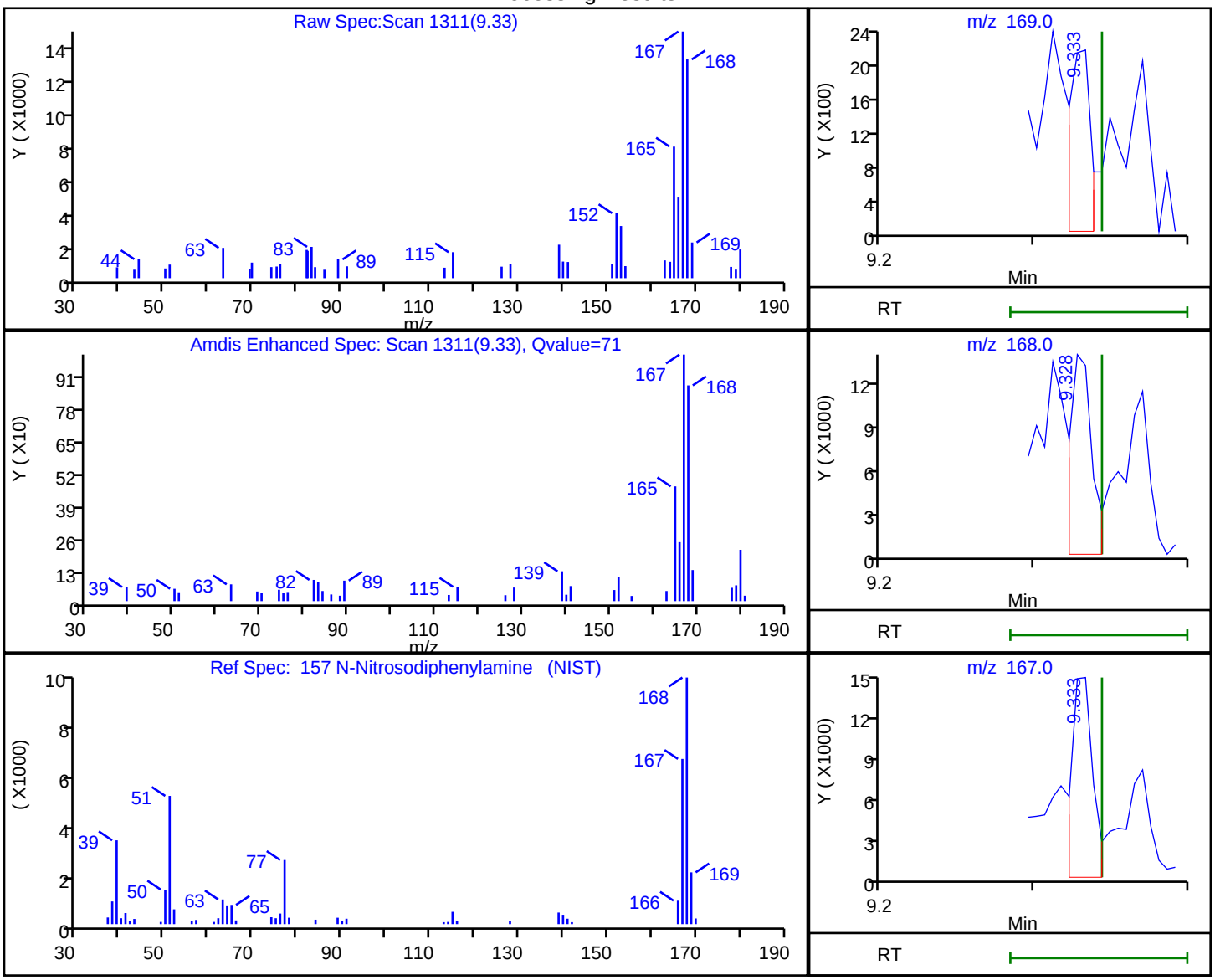
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147952.D				
Injection Date:	04-Nov-2020 08:22:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-6-A	Lab Sample ID:	480-177111-6		
Client ID:	MW-17				
Operator ID:	PJQ	ALS Bottle#:	43	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

157 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
9.33	169.00	2057	0.030527
9.33	168.00	13851	
9.33	167.00	14389	

Reviewer: quirkp, 04-Nov-2020 14:10:59

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo | Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-25 | Lab Sample ID: 480-177111-7

Matrix: Water | Lab File ID: V3147906.D

Analysis Method: 8270D | Date Collected: 10/23/2020 09:44

Extract. Method: 3510C | Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) | Date Analyzed: 11/03/2020 09:40

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

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

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

Analysis Batch No.: 556964 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	0.63	J	5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-25 Lab Sample ID: 480-177111-7

Matrix: Water Lab File ID: V3147906.D

Analysis Method: 8270D Date Collected: 10/23/2020 09:44

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 09:40

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	1.1	J	5.0	0.40
86-73-7	Fluorene	0.41	J	5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	0.47	J	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	0.74	J	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-25 Lab Sample ID: 480-177111-7

Matrix: Water Lab File ID: V3147906.D

Analysis Method: 8270D Date Collected: 10/23/2020 09:44

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 09:40

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	98		41-120
321-60-8	2-Fluorobiphenyl	103		48-120
367-12-4	2-Fluorophenol	72		35-120
4165-60-0	Nitrobenzene-d5	101		46-120
1718-51-0	p-Terphenyl-d14	94		60-148
4165-62-2	Phenol-d5	53		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147906.D
Lims ID: 480-177111-B-7-A
Client ID: MW-25
Sample Type: Client
Inject. Date: 03-Nov-2020 09:40:30 ALS Bottle#: 38 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-038
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:52:18 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:52:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.262	6.256	0.006	98	164021	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	645484	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	351854	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	97	567250	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	99	498609	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	96	381929	4.00	
$ 7 2-Fluorophenol	112	5.113	5.092	0.021	94	333824	5.75	
$ 8 Phenol-d5	99	5.941	5.941	0.000	91	308918	4.27	
$ 9 Nitrobenzene-d5	82	6.732	6.737	-0.005	90	491046	8.11	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	904817	8.22	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	94	109083	7.86	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	929759	7.50	
71 Benzaldehyde	77	5.882	5.877	0.005	72	1696	0.0362	
72 Phenol	94		5.952				ND	
74 Bis(2-chloroethyl)ether	93		6.026				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.497				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
88 4-Methylphenol	108		6.609				ND	
86 Acetophenone	105	6.603	6.609	-0.006	82	1576	0.0198	
89 Hexachloroethane	117		6.700				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.025				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128	7.362	7.362	-0.005	96	14993	0.0914	a
108 4-Chloroaniline	127		7.410				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.811				ND	
121 2-Methylnaphthalene	142		7.944				ND	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.179				ND	
129 2,4,5-Trichlorophenol	196		8.211				ND	
130 1,1'-Biphenyl	154		8.324				ND	
131 2-Chloronaphthalene	162		8.350				ND	
132 2-Nitroaniline	65		8.425				ND	
134 Dimethyl phthalate	163		8.569				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152		8.692				ND	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153	8.837	8.837	0.000	93	16225	0.1574	
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.901				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	
145 Dibenzofuran	168	8.975	8.981	-0.006	97	12133	0.0917	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166	9.259	9.259	0.000	94	11320	0.1032	
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169		9.344				ND	
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178	10.055	10.055	0.000	95	18865	0.1179	
180 Anthracene	178		10.097				ND	
181 Carbazole	167		10.225				ND	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202	11.038	11.043	-0.005	98	45301	0.2695	
193 Pyrene	202	11.241	11.241	-0.001	97	31842	0.1843	
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149		12.427				ND	
205 Benzo[a]anthracene	228		12.448				ND	
207 Chrysene	228	12.485	12.491	-0.006	93	5822	0.0374	
208 Di-n-octyl phthalate	149		13.233				ND	
209 Benzo[b]fluoranthene	252		13.815				ND	
211 Benzo[k]fluoranthene	252		13.853				ND	
213 Benzo[a]pyrene	252		14.270				ND	
215 Indeno[1,2,3-cd]pyrene	276	15.851	15.856	-0.011	88	5611	0.0583	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276	16.241	16.246	-0.011	91	5796	0.0759	

QC Flag Legend

Processing Flags

Review Flags
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

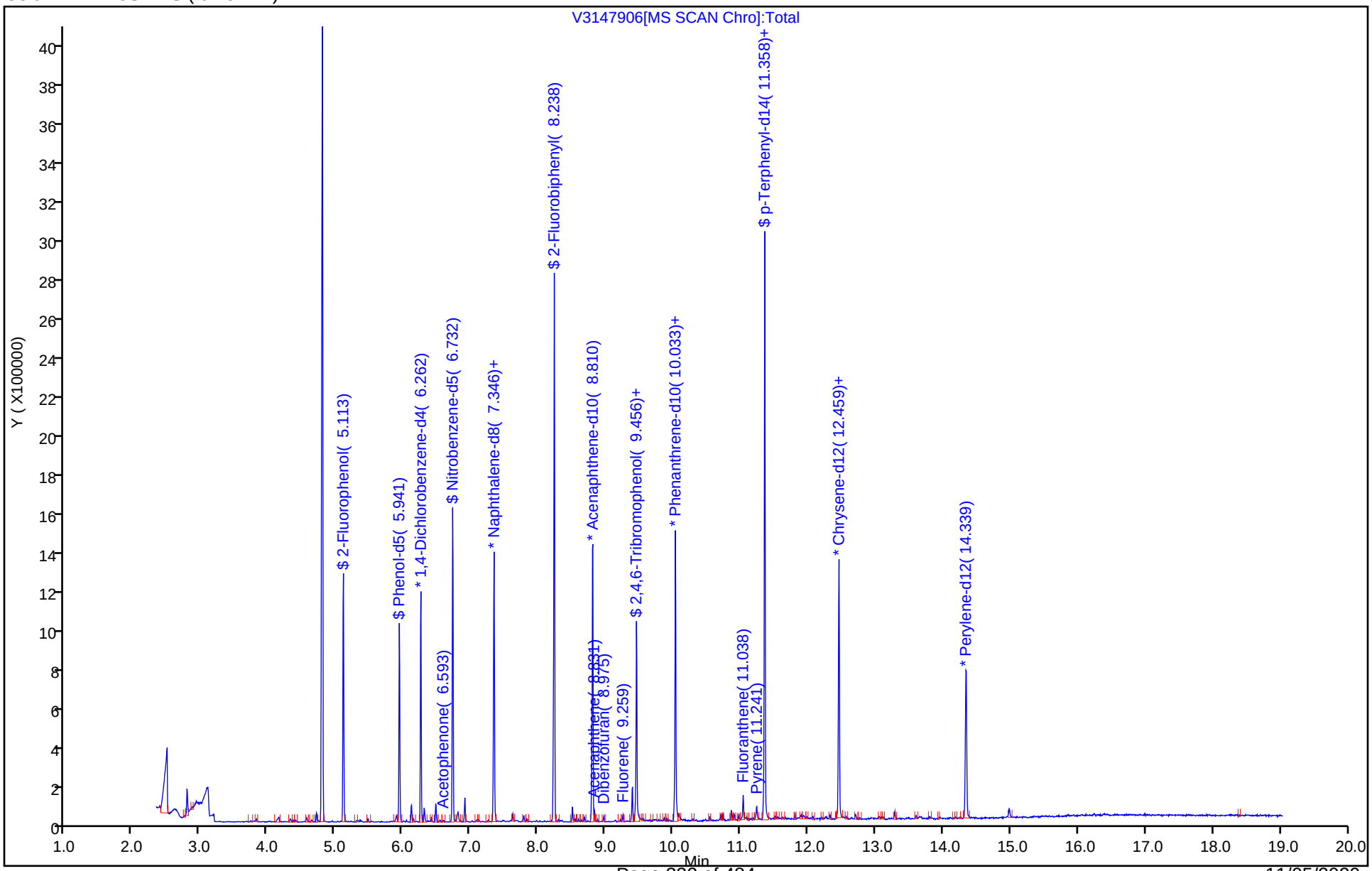
Report Date: 03-Nov-2020 14:53:08 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147906.D

Injection Date:	03-Nov-2020 09:40:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	480-177111-B-7-A	Lab Sample ID:	480-177111-7	Worklist Smp#:	12
Client ID:	MW-25				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	38
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

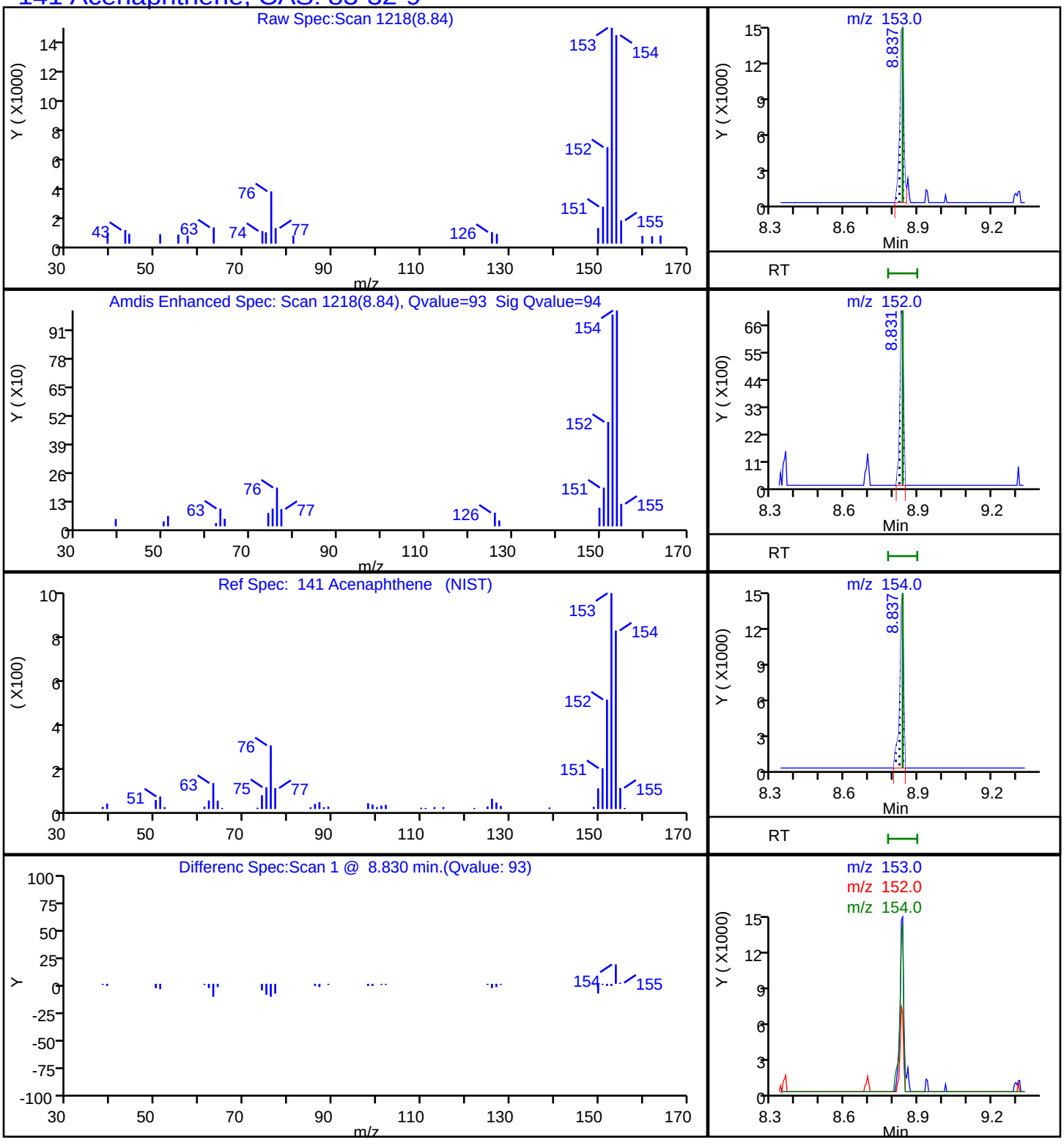
Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147906.D				
Injection Date:	03-Nov-2020 09:40:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-7-A	Lab Sample ID:	480-177111-7		
Client ID:	MW-25				
Operator ID:	JM	ALS Bottle#:	38	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

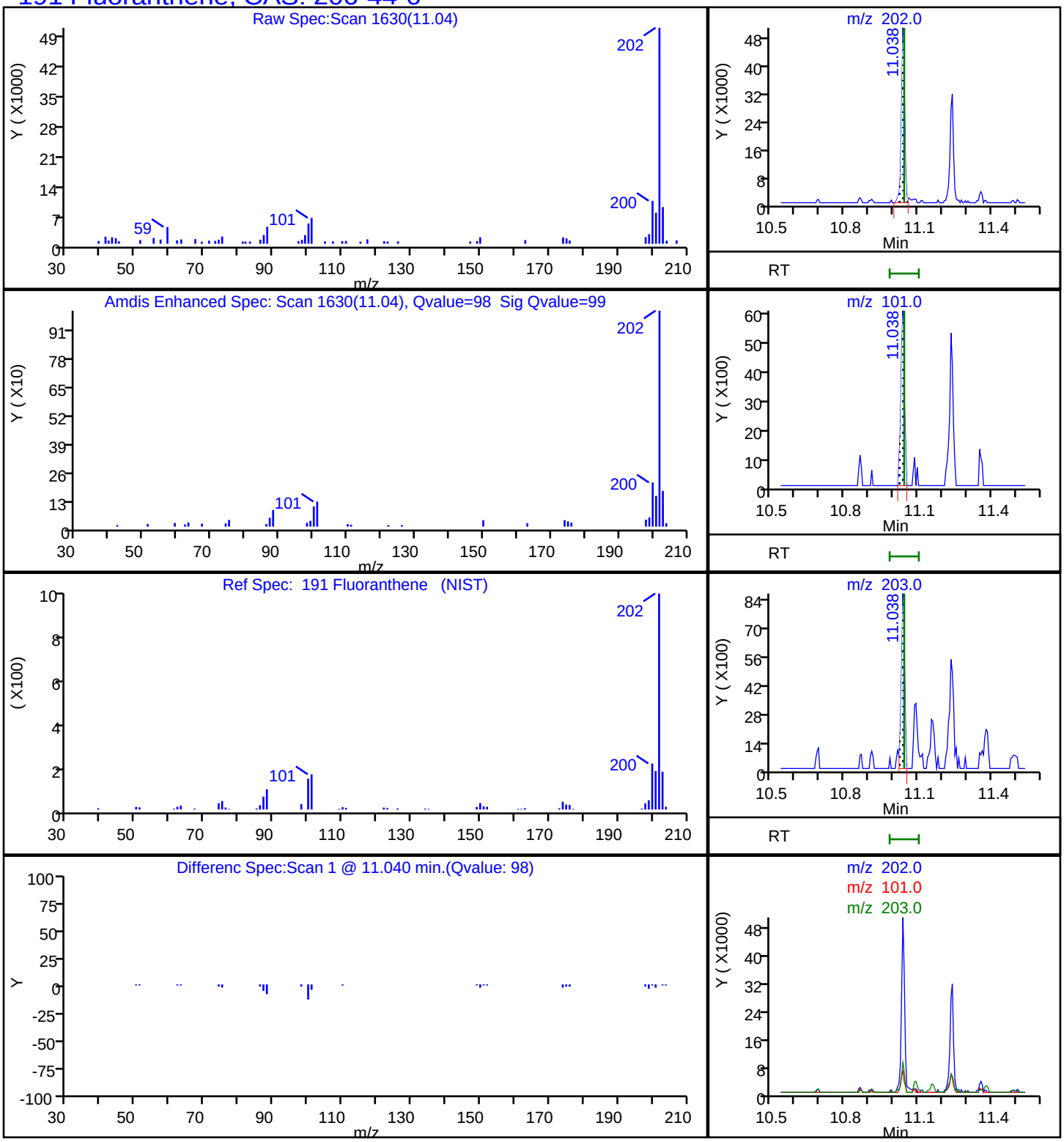
141 Acenaphthene, CAS: 83-32-9



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147906.D				
Injection Date:	03-Nov-2020 09:40:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-7-A	Lab Sample ID:	480-177111-7		
Client ID:	MW-25				
Operator ID:	JM	ALS Bottle#:	38	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

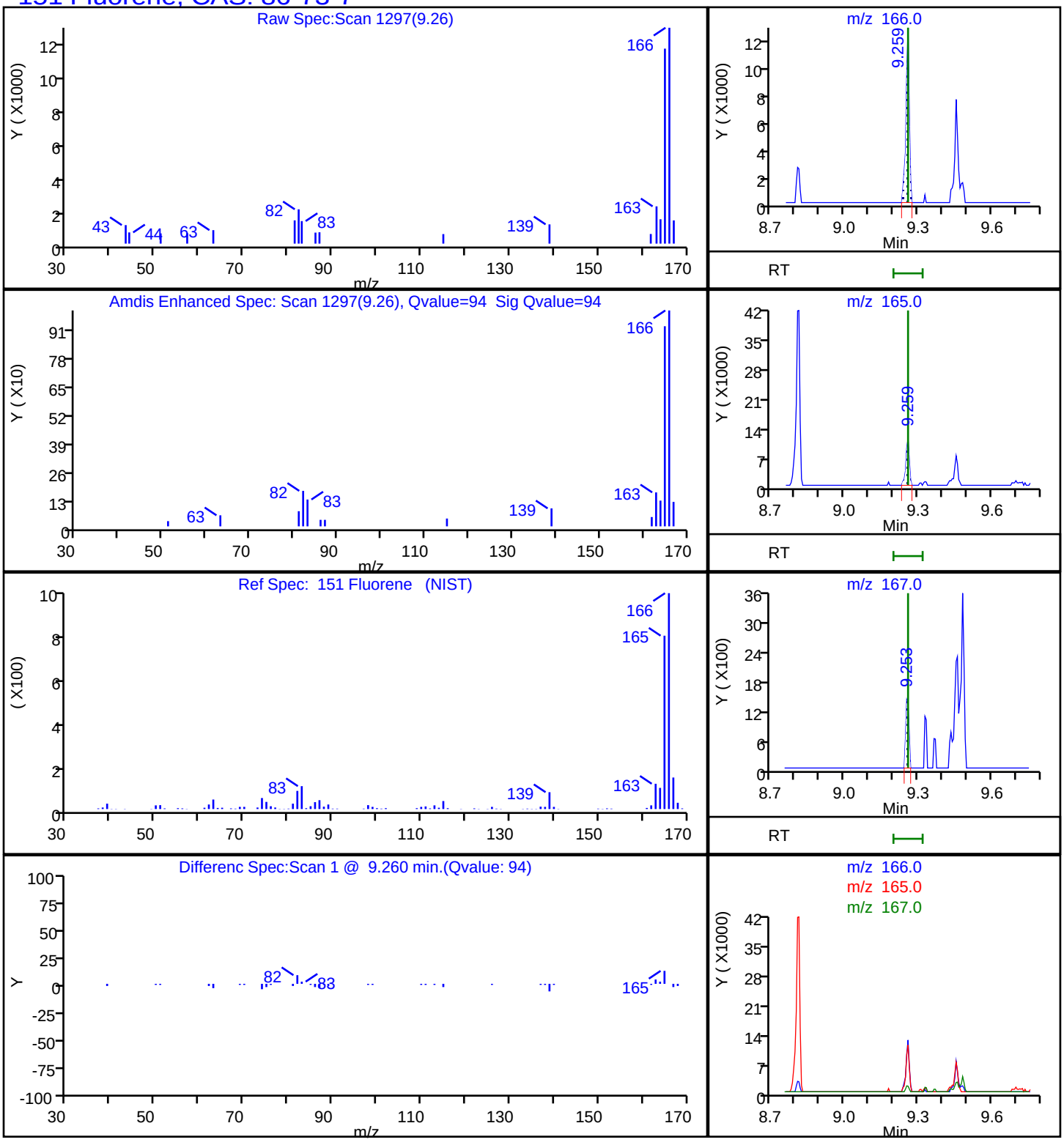
191 Fluoranthene, CAS: 206-44-0



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147906.D				
Injection Date:	03-Nov-2020 09:40:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-7-A	Lab Sample ID:	480-177111-7		
Client ID:	MW-25				
Operator ID:	JM	ALS Bottle#:	38	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

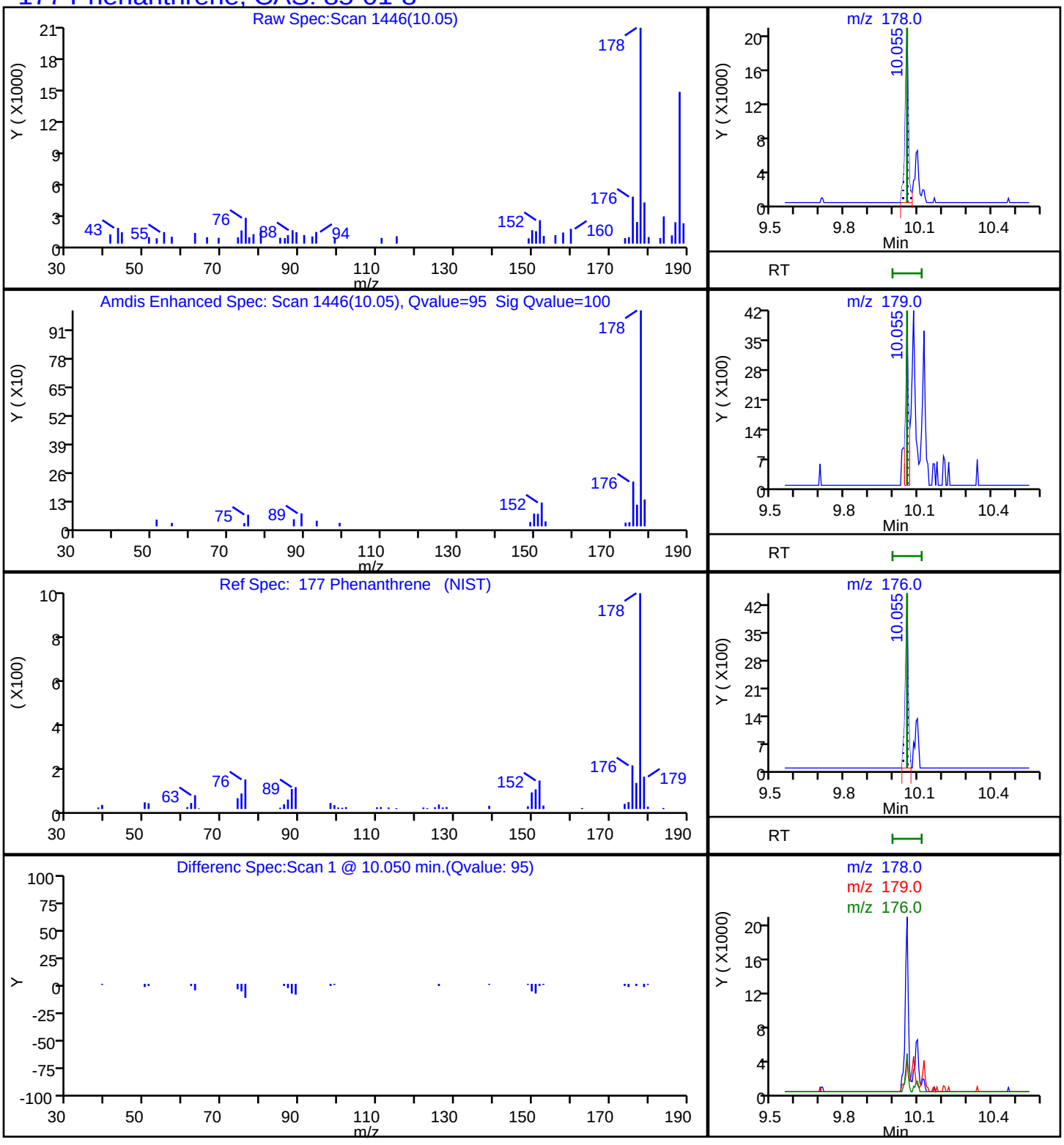
151 Fluorene, CAS: 86-73-7



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147906.D				
Injection Date:	03-Nov-2020 09:40:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-7-A	Lab Sample ID:	480-177111-7		
Client ID:	MW-25				
Operator ID:	JM	ALS Bottle#:	38	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

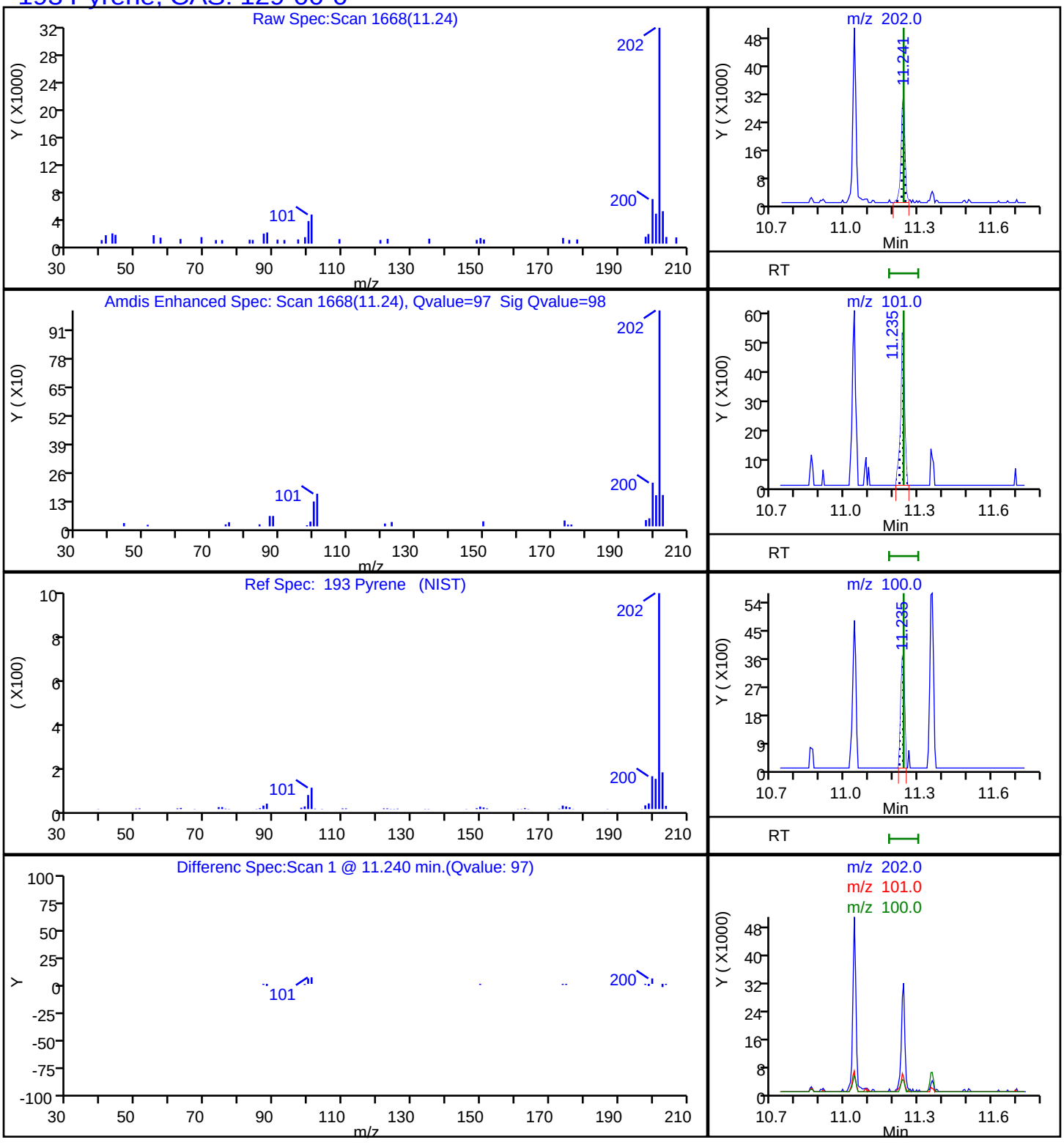
177 Phenanthrene, CAS: 85-01-8



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147906.D				
Injection Date:	03-Nov-2020 09:40:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-7-A	Lab Sample ID:	480-177111-7		
Client ID:	MW-25				
Operator ID:	JM	ALS Bottle#:	38	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

193 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

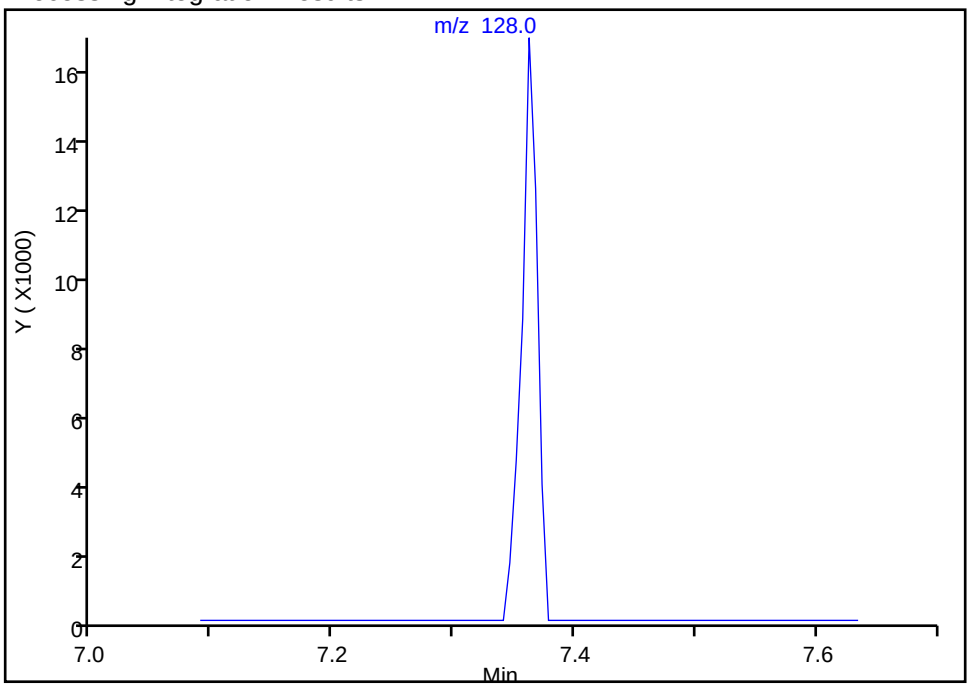
Data File:	\\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147906.D				
Injection Date:	03-Nov-2020 09:40:30	Instrument ID:	HP5973V		
Lims ID:	480-177111-B-7-A	Lab Sample ID:	480-177111-7		
Client ID:	MW-25				
Operator ID:	JM	ALS Bottle#:	38	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

107 Naphthalene, CAS: 91-20-3

Signal: 1

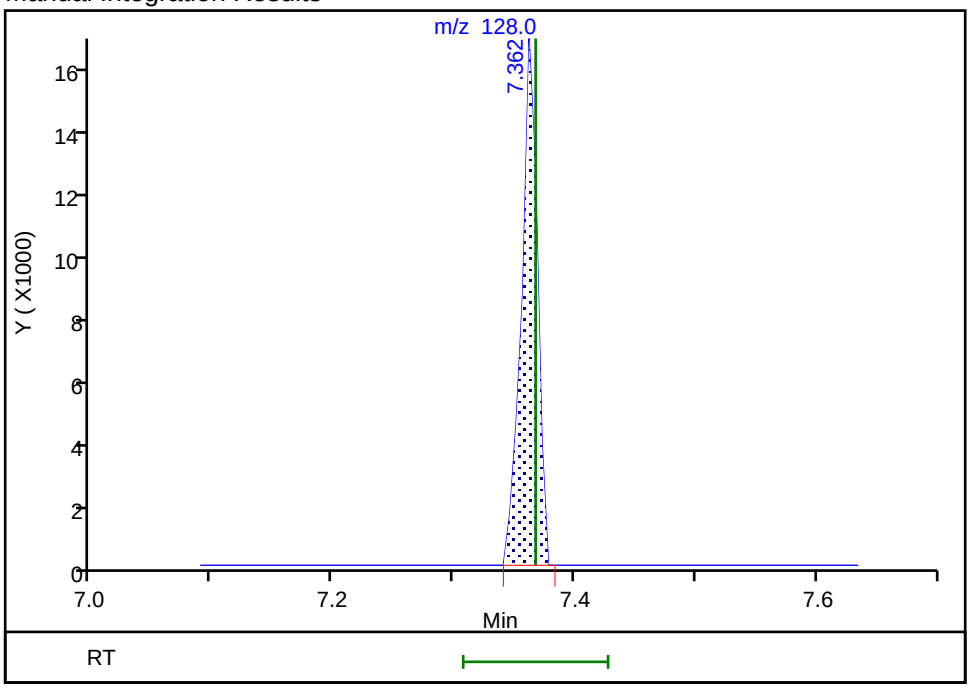
Not Detected
Expected RT: 7.37

Processing Integration Results



Manual Integration Results

RT: 7.36
Area: 14993
Amount: 0.091422
Amount Units: ng/uL



Reviewer: schickr, 03-Nov-2020 14:52:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-28 Lab Sample ID: 480-177111-8

Matrix: Water Lab File ID: V3147907.D

Analysis Method: 8270D Date Collected: 10/23/2020 09:24

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 10:08

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-28 Lab Sample ID: 480-177111-8

Matrix: Water Lab File ID: V3147907.D

Analysis Method: 8270D Date Collected: 10/23/2020 09:24

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 10:08

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: MW-28 Lab Sample ID: 480-177111-8

Matrix: Water Lab File ID: V3147907.D

Analysis Method: 8270D Date Collected: 10/23/2020 09:24

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/03/2020 10:08

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

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

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

Analysis Batch No.: 556964 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	79		41-120
321-60-8	2-Fluorobiphenyl	90		48-120
367-12-4	2-Fluorophenol	62		35-120
4165-60-0	Nitrobenzene-d5	90		46-120
1718-51-0	p-Terphenyl-d14	88		60-148
4165-62-2	Phenol-d5	47		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147907.D
Lims ID: 480-177111-A-8-A
Client ID: MW-28
Sample Type: Client
Inject. Date: 03-Nov-2020 10:08:30 ALS Bottle#: 39 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-039
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:52:18 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:52:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.261	6.256	0.005	98	157294	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	628736	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	343181	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	97	544160	4.00	
* 5 Chrysene-d12	240	12.458	12.464	-0.006	98	490034	4.00	
* 6 Perylene-d12	264	14.339	14.344	-0.005	96	355116	4.00	
$ 7 2-Fluorophenol	112	5.113	5.092	0.021	94	275894	4.95	
$ 8 Phenol-d5	99	5.941	5.941	0.000	91	260046	3.75	
$ 9 Nitrobenzene-d5	82	6.732	6.737	-0.005	90	423843	7.18	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	771922	7.19	
$ 11 2,4,6-Tribromophenol	330	9.456	9.462	-0.006	90	84030	6.31	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	862275	7.08	
71 Benzaldehyde	77		5.877				ND	
72 Phenol	94		5.952				ND	
74 Bis(2-chloroethyl)ether	93		6.026				ND	
75 2-Chlorophenol	128		6.075				ND	
82 2-Methylphenol	108		6.481				ND	
83 2,2'-oxybis[1-chloropropane]	45		6.497				ND	
87 N-Nitrosodi-n-propylamine	70		6.609				ND	
88 4-Methylphenol	108		6.609				ND	
86 Acetophenone	105		6.609				ND	
89 Hexachloroethane	117		6.700				ND	
85 Nitrobenzene	77		6.753				ND	
94 Isophorone	82		6.956				ND	
97 2-Nitrophenol	139		7.025				ND	
99 2,4-Dimethylphenol	107		7.058				ND	
103 Bis(2-chloroethoxy)methane	93		7.132				ND	
106 2,4-Dichlorophenol	162		7.229				ND	
107 Naphthalene	128		7.367				ND	
108 4-Chloroaniline	127		7.410				ND	
110 Hexachlorobutadiene	225		7.469				ND	
114 Caprolactam	113		7.725				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
117 4-Chloro-3-methylphenol	107		7.811				ND	
121 2-Methylnaphthalene	142		7.944				ND	
125 Hexachlorocyclopentadiene	237		8.078				ND	
127 2,4,6-Trichlorophenol	196		8.179				ND	
129 2,4,5-Trichlorophenol	196		8.211				ND	
130 1,1'-Biphenyl	154		8.324				ND	
131 2-Chloronaphthalene	162		8.350				ND	
132 2-Nitroaniline	65		8.425				ND	
134 Dimethyl phthalate	163		8.569				ND	
135 2,6-Dinitrotoluene	165		8.623				ND	
137 Acenaphthylene	152		8.692				ND	
140 3-Nitroaniline	138		8.767				ND	
141 Acenaphthene	153		8.837				ND	
142 2,4-Dinitrophenol	184		8.847				ND	
143 4-Nitrophenol	109		8.901				ND	
144 2,4-Dinitrotoluene	165		8.954				ND	
145 Dibenzofuran	168		8.981				ND	
149 Diethyl phthalate	149		9.146				ND	
152 4-Chlorophenyl phenyl ether	204		9.248				ND	
151 Fluorene	166		9.259				ND	
153 4-Nitroaniline	138		9.275				ND	
154 4,6-Dinitro-2-methylphenol	198		9.296				ND	
157 N-Nitrosodiphenylamine	169		9.344				ND	
164 4-Bromophenyl phenyl ether	248		9.654				ND	
168 Hexachlorobenzene	284		9.723				ND	
170 Atrazine	200		9.782				ND	
172 Pentachlorophenol	266		9.878				ND	
177 Phenanthrene	178		10.055				ND	
180 Anthracene	178		10.097				ND	
181 Carbazole	167		10.225				ND	
184 Di-n-butyl phthalate	149		10.482				ND	
191 Fluoranthene	202		11.043				ND	
193 Pyrene	202		11.241				ND	
200 Butyl benzyl phthalate	149		11.807				ND	
204 3,3'-Dichlorobenzidine	252		12.405				ND	
206 Bis(2-ethylhexyl) phthalate	149		12.427				ND	
205 Benzo[a]anthracene	228		12.448				ND	
207 Chrysene	228		12.491				ND	
208 Di-n-octyl phthalate	149		13.233				ND	
209 Benzo[b]fluoranthene	252		13.815				ND	
211 Benzo[k]fluoranthene	252		13.853				ND	
213 Benzo[a]pyrene	252		14.270				ND	
215 Indeno[1,2,3-cd]pyrene	276		15.862				ND	
216 Dibenz(a,h)anthracene	278		15.883				ND	
217 Benzo[g,h,i]perylene	276		16.252				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

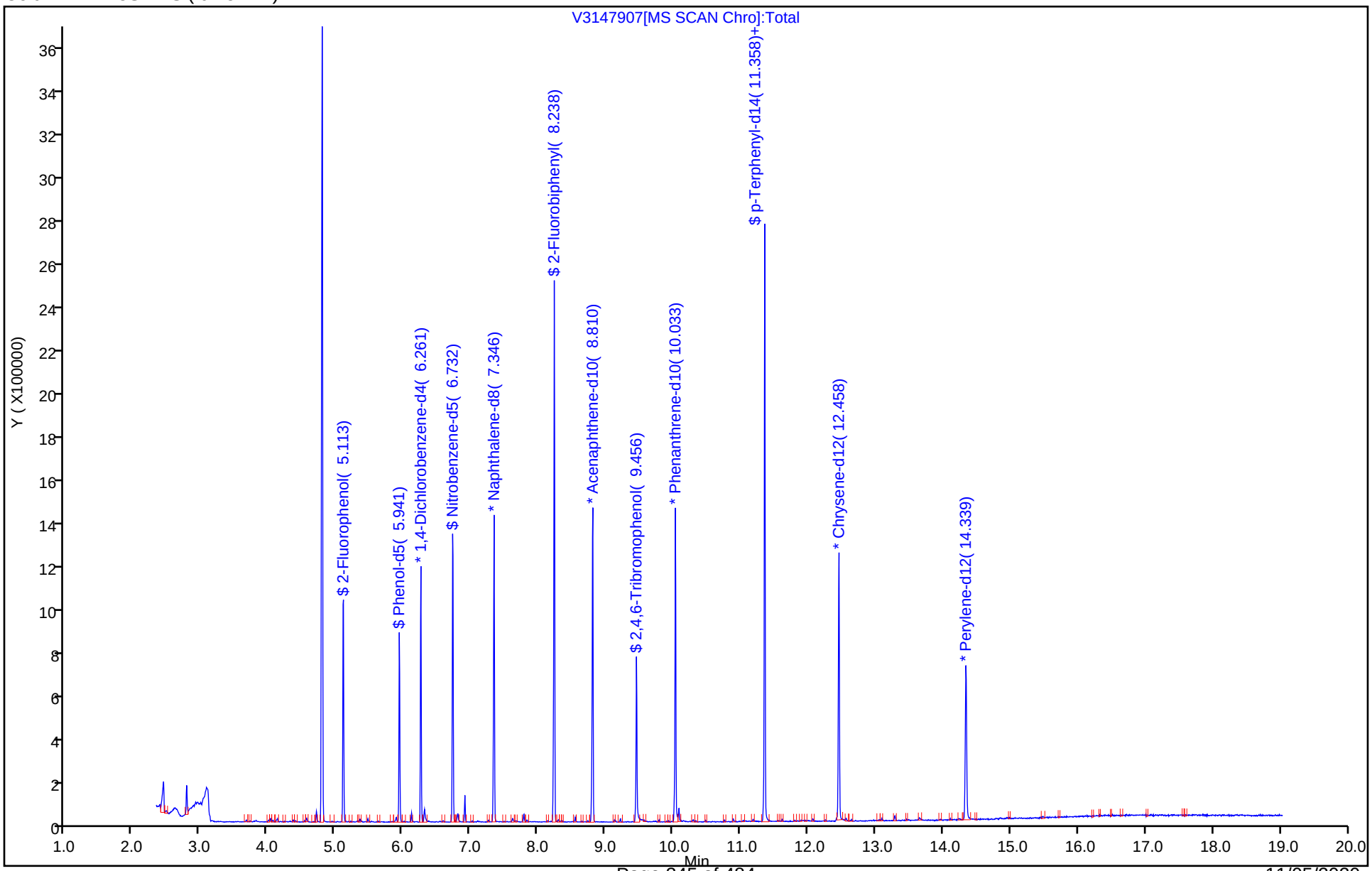
Report Date: 03-Nov-2020 14:53:10 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147907.D

Injection Date:	03-Nov-2020 10:08:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	480-177111-A-8-A	Lab Sample ID:	480-177111-8	Worklist Smp#:	13
Client ID:	MW-28				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	39
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-556960/3	V3147871.D
Level 2	IC 480-556960/4	V3147872.D
Level 3	IC 480-556960/5	V3147873.D
Level 4	IC 480-556960/6	V3147874.D
Level 5	ICIS 480-556960/7	V3147875.D
Level 6	IC 480-556960/8	V3147876.D
Level 7	IC 480-556960/9	V3147877.D
Level 8	IC 480-556960/10	V3147878.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	0.5721	0.5840 0.5709	0.6160 0.5680	0.5790	0.5948	Ave		0.5771			0.0100	4.2		20.0			
N-Nitrosodimethylamine	0.7511	0.7248 0.7552	0.7341 0.7362	0.7500	0.7612	Ave		0.7381			0.0100	3.0		20.0			
Pyridine	1.1248	1.1173 1.1357	1.1264 1.1089	1.1272	1.1412	Ave		1.1161			0.0100	2.7		20.0			
Benzaldehyde	1.0725	1.2295 1.0230	1.2291 0.9414	1.2170	1.1461	Ave		1.1429			0.0100	10.5		20.0			
Phenol	1.9312	1.9744 1.8971	1.9026 1.8375	2.0003	1.9827	Ave		1.9323			0.8000	3.0		20.0			
Aniline	2.1758	2.1904 2.1230	2.2364 2.0112	2.1855	2.2096	Ave		2.1561			0.0100	3.3		20.0			
Bis(2-chloroethyl)ether	1.4464	1.4811 1.4354	1.4739 1.4337	1.4800	1.4671	Ave		1.4506			0.7000	2.2		20.0			
2-Chlorophenol	1.4523	1.4734 1.4492	1.5004 1.4011	1.4727	1.4823	Ave		1.4578			0.8000	2.2		20.0			
n-Decane	1.8971	2.1343 1.8896	2.0317 1.7926	2.0526	2.0464	Ave		2.0023			0.0100	6.5		20.0			
1,3-Dichlorobenzene	1.5345	1.5950 1.4956	1.5430 1.4747	1.6193	1.5804	Ave		1.5464			0.0100	3.2		20.0			
1,4-Dichlorobenzene	1.5358	1.5840 1.5101	1.6223 1.4853	1.6073	1.5941	Ave		1.5627			0.0100	3.4		20.0			
Benzyl alcohol	1.0177	0.9080 1.0107	1.0115 0.9977	1.0453	1.0031	Ave		0.9987			0.0100	4.0		20.0			
1,2-Dichlorobenzene	1.4768	1.5213 1.4547	1.5219 1.4181	1.5014	1.5118	Ave		1.5226			0.0100	7.1		20.0			
2-Methylphenol	1.3724	1.3756 1.3478	1.3652 1.2971	1.3782	1.3829	Ave		1.3467			0.7000	3.4		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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

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								
Indene	0.3890	0.6644 +++++	0.6464 +++++	0.6118	0.5296	Ave		0.5875			0.0100	18.9		20.0			
bis (2-chloroisopropyl) ether	2.3520	2.6415 2.2220	2.6012 2.0473	2.5973	2.4707	Ave		2.4503			0.0100	9.2		20.0			
4-Methylphenol	1.4068	1.4237 1.3545	1.4302 1.3190	1.4523	1.4275	Ave		1.3960			0.6000	3.4		20.0			
Acetophenone	1.9144	2.0120 1.8774	1.9521 1.8160	2.0295	1.9598	Ave		1.9427			0.0100	3.7		20.0			
N-Nitrosodi-n-propylamine	1.0154	0.9992 1.0100	1.0080 0.9762	1.0276	1.0102	Ave		1.0104			0.5000	1.8		20.0			
Hexachloroethane	0.6341	0.6199 0.6376	0.6357 0.6213	0.6487	0.6423	Ave		0.6430			0.3000	4.1		20.0			
Nitrobenzene	0.3817	0.3819 0.3743	0.3896 0.3674	0.3844	0.3878	Ave		0.3785			0.2000	2.7		20.0			
Isophorone	0.6840	0.6964 0.6589	0.7078 0.6458	0.7226	0.6983	Ave		0.6865			0.4000	3.7		20.0			
2-Nitrophenol	0.1934	0.1787 0.1917	0.1810 0.1903	0.1835	0.1922	Ave		0.1862			0.1000	3.4		20.0			
2,4-Dimethylphenol	0.3724	0.3694 0.3606	0.3759 0.3584	0.3769	0.3737	Ave		0.3689			0.2000	1.9		20.0			
Bis(2-chloroethoxy)methane	0.4107	0.4348 0.3992	0.4264 0.3886	0.4194	0.4158	Ave		0.4149			0.3000	3.6		20.0			
Benzoic acid	0.2783	0.1493 0.2843	0.1903 0.2928	0.2209	0.2471	Lin2	-0.359	0.2788			0.0100	6.6			0.9950		0.9900
2,4-Dichlorophenol	0.2946	0.3022 0.2839	0.2889 0.2803	0.2922	0.2944	Ave		0.2891			0.2000	3.0		20.0			
1,2,4-Trichlorobenzene	0.3197	0.3126 0.3117	0.3260 0.3055	0.3223	0.3222	Ave		0.3189			0.0100	2.6		20.0			
Naphthalene	1.1190 0.9637	1.0982 0.8854	1.1150 0.8100	1.0771	1.0618	Ave		1.0163			0.7000	11.5		20.0			
4-Chloroaniline	0.4129	0.4144 0.3922	0.4258 0.3771	0.4308	0.4323	Ave		0.4085			0.0100	5.3		20.0			
2,6-Dichlorophenol	0.2885	0.2896 0.2801	0.2809 0.2798	0.2874	0.2935	Ave		0.2868			0.0100	2.1		20.0			
Hexachlorobutadiene	0.1831	0.1788 0.1820	0.1862 0.1822	0.1816	0.1811	Ave		0.1803			0.0100	3.1		20.0			
Caprolactam	0.1218	0.1001 0.1253	0.1077 0.1257	0.1130	0.1166	Lin2	-0.008	0.1186			0.0100	5.9			0.9960		0.9900
4-Chloro-3-methylphenol	0.3215	0.2949 0.3086	0.3049 0.3084	0.3169	0.3184	Ave		0.3056			0.2000	5.3		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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

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-Methylnaphthalene	0.7101 0.6811	0.6996 0.6395	0.7064 0.5989	0.7138	0.7013	Ave		0.6813			0.4000	6.0		20.0			
1-Methylnaphthalene	0.6722 0.6244	0.6736 0.5891	0.6474 0.5599	0.6613	0.6535	Ave		0.6352			0.0100	6.5		20.0			
Hexachlorocyclopentadiene	0.3815	0.3492 0.3780	0.3521 0.3709	0.3627	0.3728	Ave		0.3667			0.0500	3.4		20.0			
1,2,4,5-Tetrachlorobenzene	0.5294	0.5447 0.5292	0.5594 0.5142	0.5281	0.5361	Ave		0.5403			0.0100	3.9		20.0			
2,4,6-Trichlorophenol	0.3906	0.3564 0.3863	0.3710 0.3933	0.3965	0.3796	Ave		0.3769			0.2000	5.2		20.0			
2,4,5-Trichlorophenol	0.3751	0.3297 0.3839	0.3747 0.3704	0.3551	0.3738	Lin2	-0.006	0.3706			0.2000	4.0			0.9980		0.9900
Biphenyl	1.4424	1.6190 1.3352	1.6280 1.2342	1.5857	1.5457	Ave		1.4992			0.0100	9.8		20.0			
2-Chloronaphthalene	1.1108	1.1990 1.0726	1.1813 1.0245	1.1755	1.1465	Ave		1.1404			0.8000	5.8		20.0			
2-Nitroaniline	0.3900	0.3223 0.3921	0.3598 0.3914	0.3781	0.3860	Lin2	-0.013	0.3829			0.0100	4.4			0.9980		0.9900
Dimethyl phthalate	1.1274	1.1634 1.2000	1.2325 1.0668	1.2534	1.2495	Ave		1.1917			0.0100	5.7		20.0			
1,3-Dinitrobenzene	0.1252	0.0872 0.1245	0.0915 0.1174	0.1142	0.1183	Lin2	-0.008	0.1165			0.0100	9.1			0.9920		0.9900
2,6-Dinitrotoluene	0.3129	0.2503 0.3144	0.2729 0.2932	0.2941	0.3019	Lin2	-0.013	0.2998			0.2000	5.0			0.9970		0.9900
Acenaphthylene	1.5949 1.5679	1.6702 1.4611	1.7248 1.3484	1.7191	1.6958	Ave		1.5978			0.9000	8.4		20.0			
3-Nitroaniline	0.3319	0.2844 0.3268	0.3006 0.3100	0.3010	0.3145	Lin2	-0.020	0.3211			0.0100	2.9			0.9990		0.9900
Acenaphthene	1.2161 1.1426	1.2464 1.0930	1.2277 1.0354	1.2197	1.1947	Ave		1.1720			0.9000	6.4		20.0			
2,4-Dinitrophenol	0.1957	0.0843 0.1958	0.1210 0.1951	0.1449	0.1734	Lin2	-0.118	0.1926			0.0100	6.6			0.9940		0.9900
4-Nitrophenol	0.1953	0.1544 0.1975	0.1893 0.1907	0.1795	0.1932	Lin2	-0.038	0.1966			0.0100	3.6			0.9980		0.9900
2,4-Dinitrotoluene	0.4083	0.3208 0.4050	0.3597 0.4046	0.3836	0.3921	Lin2	-0.014	0.3918			0.2000	5.8			0.9970		0.9900
Dibenzofuran	1.4465	1.6086 1.3620	1.5891 1.2769	1.5710	1.5208	Ave		1.5040			0.8000	8.8		20.0			
2,3,4,6-Tetrachlorophenol	0.3147	0.2571 0.3134	0.2811 0.3160	0.2920	0.3041	Lin2	-0.015	0.3062			0.0100	4.0			0.9980		0.9900

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

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								
Diethyl phthalate	1.2304	1.1935 1.1854	1.2064 1.0596	1.2327	1.2314	Ave		1.1920			0.0100	4.8		20.0			
Hexadecane	0.6117	0.6944 0.5706	0.6802 0.5371	0.6770	0.6532	Ave		0.6438			0.0100	10.1		20.0			
4-Chlorophenyl phenyl ether	0.6216	0.6016 0.6052	0.6292 0.5896	0.6069	0.6163	Ave		0.6181			0.4000	4.2		20.0			
Fluorene	1.2896 1.2345	1.2792 1.1847	1.3136 1.1185	1.2789	1.2793	Ave		1.2473			0.9000	5.2		20.0			
4-Nitroaniline	0.3337	0.3334 0.3288	0.3147 0.3144	0.2996	0.3269	Lin1	-0.002	0.3230			0.0100	4.4			0.9990		0.9900
4,6-Dinitro-2-methylphenol	0.1449	0.0912 0.1457	0.1112 0.1448	0.1288	0.1434	Lin2	-0.059	0.1470			0.0100	2.7			0.9990		0.9900
Diphenylamine	0.6455	0.6633 0.6195	0.6726 0.5959	0.6647	0.6795	Ave		0.6474			0.0100	4.4		20.0			
N-Nitrosodiphenylamine	0.5519	0.5671 0.5297	0.5750 0.5095	0.5684	0.5810	Ave		0.5535			0.0100	4.4		20.0			
1,2-Diphenylhydrazine	0.7812	0.8388 0.7466	0.8642 0.6754	0.8696	0.8422	Ave		0.8055			0.0100	8.3		20.0			
trans-Azobenzene	0.7812	0.8388 0.7467	0.8642 0.6754	0.8696	0.8422	Ave		0.8055			0.0100	8.3		20.0			
4-Bromophenyl phenyl ether	0.2100	0.2246 0.2080	0.2109 0.2058	0.2082	0.2138	Lin2	-0.004	0.2134			0.1000	4.3			0.9980		0.9900
Hexachlorobenzene	0.2026	0.2134 0.2008	0.1973 0.1998	0.2041	0.2063	Ave		0.2059			0.1000	4.0		20.0			
Atrazine	0.3592	0.3651 0.3372	0.3861 0.3279	0.3848	0.3784	Ave		0.3599			0.0100	6.3		20.0			
Pentachlorophenol	0.1425	0.1008 0.1458	0.1210 0.1427	0.1284	0.1390	Lin2	-0.023	0.1387			0.0500	6.0			0.9960		0.9900
n-Octadecane	0.6326	0.7236 0.6039	0.7037 0.5609	0.7023	0.6857	Ave		0.6619			0.0100	8.6		20.0			
Phenanthrene	1.2627 1.0559	1.2509 0.9655	1.2285 0.8892	1.1916	1.1795	Ave		1.1280			0.7000	12.5		20.0			
Anthracene	1.2053 1.0559	1.2876 0.9653	1.2696 0.8591	1.1968	1.2095	Ave		1.1311			0.7000	13.6		20.0			
Carbazole	0.8216	1.0830 0.7993	1.0605 0.7309	0.8823	0.8669	Ave		0.9233			0.0100	16.4		20.0			
Di-n-butyl phthalate	1.1219	1.4016 1.0027	1.4506 +++++	1.3878	1.3407	Ave		1.3067			0.0100	13.3		20.0			
Fluoranthene	1.2632 1.1019	1.3041 0.9917	1.3376 0.9114	1.2920	1.2810	Ave		1.1854			0.6000	13.7		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, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

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	0.5565	0.6215 0.5357	0.5340 0.4973	0.4375	0.5085	Ave		0.5294			0.0100	9.9		20.0			
Pyrene	1.5875 1.3039	1.4886 1.2065	1.4968 1.1040	1.4537	1.4503	Ave		1.3864			0.6000	11.9		20.0			
Butyl benzyl phthalate	0.6717	0.6402 0.6574	0.6584 0.6421	0.6813	0.6914	Ave		0.6520			0.0100	5.6		20.0			
3,3'-Dichlorobenzidine	0.3853	0.4202 0.4018	0.4195 0.3890	0.3562	0.3370	Ave		0.3906			0.0100	7.8		20.0			
Bis(2-ethylhexyl) phthalate	0.9572	0.9781 0.9200	1.0016 0.8663	1.0039	1.0195	Ave		0.9639			0.0100	5.2		20.0			
Benzo(a)anthracene	1.4809 1.2719	1.3950 1.2388	1.3890 1.1509	1.3767	1.3619	Ave		1.3331			0.8000	7.9		20.0			
Chrysene	1.3285 1.1932	1.3734 1.1352	1.3245 1.0663	1.3050	1.2661	Ave		1.2490			0.7000	8.6		20.0			
Di-n-octyl phthalate	1.5227	1.4898 1.4021	1.6111 1.2803	1.6485	1.6845	Ave		1.5199			0.0100	9.5		20.0			
Benzo(b)fluoranthene	1.1772 1.2799	1.2710 1.2777	1.3233 1.2397	1.3176	1.3374	Ave		1.2780			0.7000	4.1		20.0			
Benzo(k)fluoranthene	1.3184 1.3052	1.3003 1.2826	1.3096 1.2147	1.3444	1.3456	Ave		1.3026			0.7000	3.2		20.0			
Benzo(a)pyrene	0.9230 1.0477	1.0320 1.0402	1.0381 1.0076	1.0611	1.0829	Ave		1.0291			0.7000	4.7		20.0			
Indeno(1,2,3-cd)pyrene	0.9765 1.0316	0.9473 1.0441	1.0270 1.0016	1.0026	1.0362	Ave		1.0084			0.5000	3.3		20.0			
Dibenz(a,h)anthracene	0.7571 0.8801	0.8319 0.8736	0.8663 0.8441	0.8475	0.8932	Ave		0.8492			0.4000	5.0		20.0			
Benzo(g,h,i)perylene	0.7486 0.8200	0.7746 0.8257	0.8007 0.7775	0.8153	0.8324	Ave		0.7993			0.5000	3.7		20.0			
2-Fluorophenol	1.3935	1.3940 1.4043	1.4328 1.3663	1.3923	1.4566	Ave		1.4161			0.0100	2.8		20.0			
Phenol-d5	1.7394	1.7866 1.7331	1.7695 1.6712	1.8003	1.7653	Ave		1.7641			0.0100	3.0		20.0			
Nitrobenzene-d5	0.3844	0.3646 0.3775	0.3691 0.3729	0.3816	0.3903	Ave		0.3754			0.0100	2.6		20.0			
2-Fluorobiphenyl	1.2334	1.3236 1.1656	1.3162 1.1041	1.3099	1.2834	Ave		1.2521			0.0100	6.3		20.0			
2,4,6-Tribromophenol	0.1011	0.0937 0.1022	0.0911 0.1032	0.0922	0.1014	Ave		0.0978			0.0100	5.4		20.0			
p-Terphenyl-d14	0.9717	1.0644 0.9258	1.0591 0.8610	1.0378	1.0406	Ave		0.9943			0.0100	7.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-556960/3	V3147871.D
Level 2	IC 480-556960/4	V3147872.D
Level 3	IC 480-556960/5	V3147873.D
Level 4	IC 480-556960/6	V3147874.D
Level 5	ICIS 480-556960/7	V3147875.D
Level 6	IC 480-556960/8	V3147876.D
Level 7	IC 480-556960/9	V3147877.D
Level 8	IC 480-556960/10	V3147878.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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	225629	13947 304050	28500 401608	57179	117049	8.00	0.500 12.0	1.00 16.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	296201	17310 402205	33967 520602	74064	149789	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Pyridine	DCBd 4	Ave	887172	53368 1209717	104232 1568226	222628	449124	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzaldehyde	DCBd 4	Ave	845924	58725 1089684	113740 1331414	240356	451030	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Phenol	DCBd 4	Ave	761612	47152 1010385	88031 1299313	197524	390130	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Aniline	DCBd 4	Ave	858076	52310 1130664	103473 1422169	215816	434788	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	570411	35372 764474	68196 1013825	146144	288677	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	572735	35188 771818	69420 990734	145429	291670	8.00	0.500 12.0	1.00 16.0	2.00	4.00
n-Decane	DCBd 4	Ave	748167	50971 1006357	94001 1267573	202692	402675	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,3-Dichlorobenzene	DCBd 4	Ave	605166	38092 796557	71393 1042793	159901	310970	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	605688	37828 804248	75059 1050251	158721	313669	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzyl alcohol	DCBd 4	Ave	401349	21685 538263	46802 705520	103220	197379	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	582410	36330 774774	70417 1002756	148259	297474	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	541222	32852 717803	63166 917203	136093	272113	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indene	NPT	Ave	3043013	314186 +++++	596158 +++++	1213219	2046375	40.0	2.50 +++++	5.00 +++++	10.0	20.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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
bis (2-chloroisopropyl) ether	DCBd 4	Ave	927572	63084 1183388	120351 1447694	256483	486166	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Methylphenol	DCBd 4	Ave	554787	34001 721408	66174 932686	143410	280897	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acetophenone	DCBd 4	Ave	754971	48049 999876	90320 1284098	200412	385622	8.00	0.500 12.0	1.00 16.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	400460	23862 537894	46637 690301	101473	198787	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	250078	14805 339559	29414 439359	64059	126393	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene	NPT	Ave	597117	36120 805792	71869 1035762	152453	299645	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Isophorone	NPT	Ave	1070172	65863 1418603	130574 1820617	286593	539654	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitrophenol	NPT	Ave	302602	16899 412652	33386 536604	72791	148535	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	582618	34941 776301	69342 1010366	149491	288791	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	642515	41123 859454	78654 1095394	166348	321310	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzoic acid	NPT	Lin2	2177074	70611 3060372	175475 4127131	438131	954810	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	460869	28584 611210	53298 790091	115887	227489	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	500192	29564 671095	60131 861121	127826	248979	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Naphthalene	NPT	Ave	26326 1507748	103871 1906268	205680 2283558	427186	820519	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chloroaniline	NPT	Ave	645942	39191 844371	78543 1063165	170853	334049	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dichlorophenol	NPT	Ave	451389	27394 603022	51824 788902	113986	226830	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	286505	16908 391930	34352 513586	72009	139927	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Caprolactam	NPT	Lin2	381208	18932 539580	39730 708873	89626	180241	16.0	1.00 24.0	2.00 32.0	4.00	8.00
4-Chloro-3-methylphenol	NPT	Ave	503021	27893 664478	56238 869293	125697	246060	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	16707 1065627	66167 1376862	130314 1688245	283084	541925	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	15814 976830	63710 1268378	119422 1578313	262293	504977	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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
Hexachlorocyclopentadiene	ANT	Ave	327503	17762 439185	34593 566692	79091	156413	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	454532	27703 614865	54960 785740	115153	224917	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	335319	18127 448924	36451 600941	86466	159261	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Lin2	322059	16771 446046	36810 566040	77420	156834	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Biphenyl	ANT	Ave	1238397	82349 1551443	159942 1885815	345754	648499	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	953677	60985 1246309	116049 1565375	256318	480997	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitroaniline	ANT	Lin2	334811	16394 455664	35345 598029	82436	161953	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	967981	59175 1394370	121087 1630095	273304	524198	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,3-Dinitrobenzene	NPT	Lin2	195857	8243 268049	16885 331099	45312	91393	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	268632	12730 365368	26812 448024	64124	126663	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthylene	ANT	Ave	20020 1346104	84953 1697805	169443 2060380	374848	711452	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3-Nitroaniline	ANT	Lin2	284925	14465 379681	29536 473615	65640	131936	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthene	ANT	Ave	15265 981026	63396 1270063	120616 1582141	265953	501239	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin2	336127	8578 455012	23782 596192	63193	145468	16.0	1.00 24.0	2.00 32.0	4.00	8.00
4-Nitrophenol	ANT	Lin2	335351	15707 458870	37199 582825	78273	162088	16.0	1.00 24.0	2.00 32.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	350537	16319 470599	35338 618219	83644	164495	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenzofuran	ANT	Ave	1241930	81817 1582656	156114 1951097	342557	638019	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Lin2	270215	13077 364196	27613 482790	63666	127576	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1056378	60707 1377352	118515 1619112	268794	516632	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexadecane	PHN	Ave	866044	54875 1097624	105566 1364219	233330	434370	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	533715	30597 703280	61809 900928	132322	258548	8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Fluorene	ANT	Ave	16188 1059896	65066 1376626	129046 1709076	278864	536711	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Nitroaniline	ANT	Lin1	 286542	16956 382010	30914 480359	65337	137143	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	 410200	14418 560586	34516 735427	88767	190729	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
Diphenylamine	PHN	Ave	 781463	44813 1018861	89249 1293958	195894	386334	 6.84	0.428 10.3	0.855 13.7	1.71	3.42
N-Nitrosodiphenylamine	PHN	Ave	 781463	44813 1018861	89249 1293958	195894	386334	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	 1106049	66284 1436206	134122 1715490	299731	560031	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
trans-Azobenzene	PHN	Ave	 1106049	66284 1436264	134122 1715490	299731	560031	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Lin2	 297314	17747 400065	32727 522704	71765	142137	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	 286865	16862 386318	30627 507535	70360	137208	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Atrazine	ANT	Ave	 616825	37145 783682	75871 1001922	167808	317513	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
Pentachlorophenol	PHN	Lin2	 403557	15930 560864	37563 724937	88488	184884	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
n-Octadecane	PHN	Ave	 895652	57183 1161551	109211 1424609	242066	455999	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenanthrene	PHN	Ave	25471 1495058	98853 1857131	190663 2258527	410693	784304	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Anthracene	PHN	Ave	24312 1494984	101748 1856720	197044 2182033	412492	804267	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Carbazole	PHN	Ave	 1163328	85585 1537559	164602 1856336	304101	576448	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	 1588458	110754 1928676	225138 +++++	478317	891519	 8.00	0.500 12.0	1.00 +++++	2.00	4.00
Fluoranthene	PHN	Ave	25481 1560115	103055 1907663	207597 2314788	445298	851789	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzidine	CRY	Ave	 1376908	91598 1770268	152513 2149891	268731	605176	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
Pyrene	CRY	Ave	28633 1612957	109695 1993411	213762 2386531	446487	863029	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	 830864	47175 1086169	94031 1387928	209257	411459	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	 953139	61932 1327700	119828 1681588	218817	401040	 16.0	1.00 24.0	2.00 32.0	4.00	8.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1 Analy Batch No.: 556960

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2020 17:40 Calibration End Date: 11/02/2020 20:54 Calibration ID: 40531

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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
Bis(2-ethylhexyl) phthalate	CRY	Ave	1184031	72074 1520148	143048 1872607	308325	606706	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo(a)anthracene	CRY	Ave	26711 1573401	102801 2046756	198367 2487903	422838	810429	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Chrysene	CRY	Ave	23962 1476052	101203 1875723	189161 2304881	400807	753436	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-octyl phthalate	CRY	Ave	1883608	109783 2316631	230094 2767509	506313	1002411	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo(b)fluoranthene	PRY	Ave	18016 1364894	79764 1820146	158712 2333349	342902	669937	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo(k)fluoranthene	PRY	Ave	20177 1391900	81603 1827081	157070 2286288	349870	674061	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo(a)pyrene	PRY	Ave	14126 1117291	64762 1481790	124507 1896385	276159	542467	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indeno(1,2,3-cd)pyrene	PRY	Ave	14944 1100196	59449 1487448	123180 1885240	260915	519070	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	11587 938546	52205 1244566	103898 1588764	220564	447449	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo(g,h,i)perylene	PRY	Ave	11457 874475	48609 1176248	96038 1463391	212174	416965	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorophenol	DCBd 4	Ave	549576	33292 747913	66295 966157	137486	286614	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenol-d5	DCBd 4	Ave	685977	42666 923001	81869 1181763	177776	347358	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene-d5	NPT	Ave	601347	34484 812783	68078 1051257	151350	301614	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	1058924	67320 1354414	129310 1686994	285620	538450	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Tribromophenol	PHN	Ave	143216	7408 196544	14132 262072	31768	67457	8.00	0.500 12.0	1.00 16.0	2.00	4.00
p-Terphenyl-d14	CRY	Ave	1202049	78435 1529617	151258 1861253	318741	619230	8.00	0.500 12.0	1.00 16.0	2.00	4.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147871.D
Lims ID: IC - List 1 - 0.125
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 02-Nov-2020 17:40:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-003
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:17:57 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 10:09:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	185166	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.351	-0.005	100	752863	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	401674	4.00	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	98	645474	4.00	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	99	577168	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	97	489722	4.00	4.00	
107 Naphthalene	128	7.368	7.367	0.001	95	26326	0.1250	0.1376	
121 2-Methylnaphthalene	142	7.939	7.944	-0.005	92	16707	0.1250	0.1303	
236 1-Methylnaphthalene	142	8.025	8.025	0.000	92	15814	0.1250	0.1323	
137 Acenaphthylene	152	8.692	8.692	0.000	98	20020	0.1250	0.1248	
141 Acenaphthene	153	8.837	8.837	0.000	92	15265	0.1250	0.1297	
151 Fluorene	166	9.259	9.264	-0.005	95	16188	0.1250	0.1292	
177 Phenanthrene	178	10.055	10.055	0.000	96	25471	0.1250	0.1399	
180 Anthracene	178	10.097	10.097	0.000	96	24312	0.1250	0.1332	
191 Fluoranthene	202	11.038	11.043	-0.005	97	25481	0.1250	0.1332	
193 Pyrene	202	11.241	11.241	0.000	97	28633	0.1250	0.1431	
205 Benzo[a]anthracene	228	12.443	12.448	-0.005	97	26711	0.1250	0.1389	
207 Chrysene	228	12.485	12.496	-0.011	97	23962	0.1250	0.1330	
209 Benzo[b]fluoranthene	252	13.805	13.816	-0.011	97	18016	0.1250	0.1151	
211 Benzo[k]fluoranthene	252	13.842	13.853	-0.011	98	20177	0.1250	0.1265	
213 Benzo[a]pyrene	252	14.259	14.264	-0.005	79	14126	0.1250	0.1121	
215 Indeno[1,2,3-cd]pyrene	276	15.856	15.862	-0.006	92	14944	0.1250	0.1210	
216 Dibenz(a,h)anthracene	278	15.872	15.883	-0.011	87	11587	0.1250	0.1114	
217 Benzo[g,h,i]perylene	276	16.241	16.252	-0.011	90	11457	0.1250	0.1171	

QC Flag Legend
Processing Flags

Reagents:

MB_L1LVI_WRK_00458	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

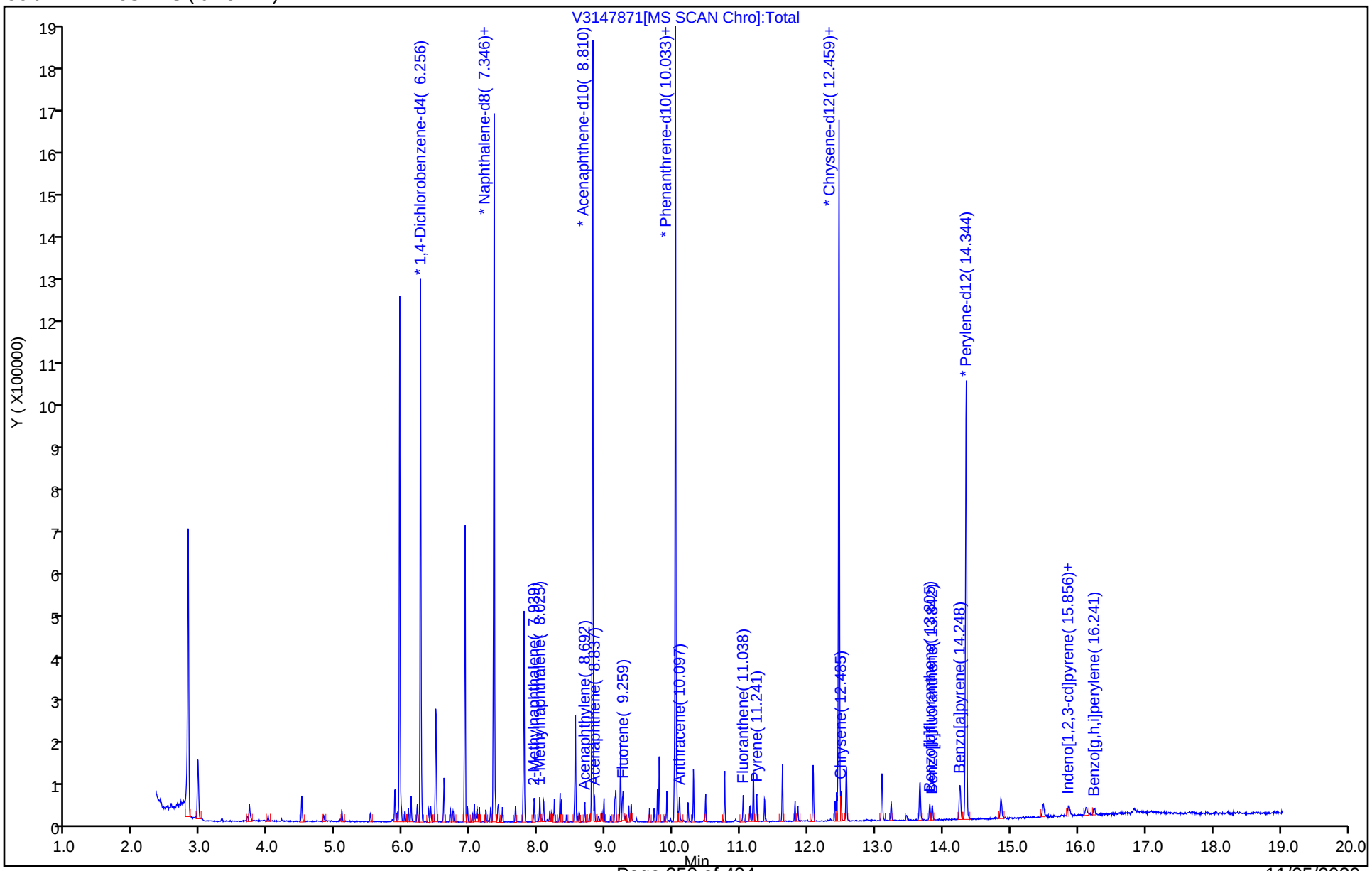
Report Date: 03-Nov-2020 14:17:58 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147871.D

Injection Date:	02-Nov-2020 17:40:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	IC - List 1 - 0.125			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147872.D
Lims ID: IC - List 1 - 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 02-Nov-2020 18:08:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-004
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:18:01 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 10:10:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	191053	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.351	-0.005	100	756653	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	406903	4.00	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	98	632180	4.00	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	99	589521	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	97	502042	4.00	4.00	
$ 7 2-Fluorophenol	112	5.092	5.086	0.006	92	33292	0.5000	0.4922	
$ 8 Phenol-d5	99	5.936	5.936	0.000	90	42666	0.5000	0.5064	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	89	34484	0.5000	0.4857	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	67320	0.5000	0.5285	
$ 11 2,4,6-Tribromophenol	330	9.456	9.462	-0.006	86	7408	0.5000	0.4790	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	97	78435	0.5000	0.5352	
55 1,4-Dioxane	88	3.313	3.302	0.011	98	13947	0.5000	0.5060	
53 N-Nitrosodimethylamine	42	3.692	3.681	0.011	92	17310	0.5000	0.4910	
52 Pyridine	52	3.713	3.703	0.010	85	53368	1.00	1.00	
71 Benzaldehyde	77	5.877	5.877	0.000	93	58725	1.00	1.08	
72 Phenol	94	5.946	5.952	-0.006	59	47152	0.5000	0.5109	
69 Aniline	93	5.973	5.973	0.000	98	52310	0.5000	0.5080	
74 Bis(2-chloroethyl)ether	93	6.027	6.027	0.000	94	35372	0.5000	0.5105	
75 2-Chlorophenol	128	6.075	6.075	0.000	97	35188	0.5000	0.5054	
261 n-Decane	57	6.117	6.117	0.000	91	50971	0.5000	0.5330	
78 1,3-Dichlorobenzene	146	6.208	6.208	0.000	97	38092	0.5000	0.5157	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	92	37828	0.5000	0.5068	a
79 Benzyl alcohol	108	6.379	6.379	0.000	92	21685	0.5000	0.4546	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	95	36330	0.5000	0.4995	
82 2-Methylphenol	108	6.475	6.475	0.000	92	32852	0.5000	0.5107	
230 Indene	115	6.486	6.486	0.000	90	314186	2.50	2.83	
83 2,2'-oxybis[1-chloropropane]	45	6.497	6.491	0.006	92	63084	0.5000	0.5390	
86 Acetophenone	105	6.604	6.609	-0.005	81	48049	0.5000	0.5178	
87 N-Nitrosodi-n-propylamine	70	6.604	6.609	-0.005	78	23862	0.5000	0.4944	
88 4-Methylphenol	108	6.604	6.609	-0.005	65	34001	0.5000	0.5099	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.700	6.694	0.006	97	14805	0.5000	0.4821	
85 Nitrobenzene	77	6.753	6.753	0.000	90	36120	0.5000	0.5045	
94 Isophorone	82	6.951	6.956	-0.005	99	65863	0.5000	0.5072	
97 2-Nitrophenol	139	7.026	7.026	0.000	93	16899	0.5000	0.4797	
99 2,4-Dimethylphenol	107	7.052	7.058	-0.006	95	34941	0.5000	0.5007	
103 Bis(2-chloroethoxy)methane	93	7.127	7.132	-0.005	98	41123	0.5000	0.5240	
105 Benzoic acid	105	7.122	7.207	-0.085	89	70611	2.50	2.63	a
106 2,4-Dichlorophenol	162	7.229	7.229	0.000	93	28584	0.5000	0.5228	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	94	29564	0.5000	0.4901	
107 Naphthalene	128	7.367	7.367	0.000	96	103871	0.5000	0.5403	
108 4-Chloroaniline	127	7.405	7.405	0.000	95	39191	0.5000	0.5072	
115 2,6-Dichlorophenol	162	7.416	7.416	0.000	95	27394	0.5000	0.5049	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	96	16908	0.5000	0.4958	
114 Caprolactam	113	7.672	7.725	-0.053	79	18932	1.00	0.9139	
117 4-Chloro-3-methylphenol	107	7.800	7.811	-0.011	98	27893	0.5000	0.4825	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	95	66167	0.5000	0.5134	
236 1-Methylnaphthalene	142	8.025	8.025	0.000	94	63710	0.5000	0.5303	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	97	17762	0.5000	0.4761	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	27703	0.5000	0.5040	
127 2,4,6-Trichlorophenol	196	8.174	8.174	0.000	91	18127	0.5000	0.4728	
129 2,4,5-Trichlorophenol	196	8.206	8.212	-0.006	93	16771	0.5000	0.4618	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	93	82349	0.5000	0.5400	
131 2-Chloronaphthalene	162	8.345	8.350	-0.005	96	60985	0.5000	0.5257	
132 2-Nitroaniline	65	8.425	8.425	0.000	82	16394	0.5000	0.4543	
134 Dimethyl phthalate	163	8.564	8.569	-0.005	98	59175	0.5000	0.4881	
139 1,3-Dinitrobenzene	168	8.591	8.596	-0.005	84	8243	0.5000	0.4428	
135 2,6-Dinitrotoluene	165	8.618	8.623	-0.005	93	12730	0.5000	0.4602	
137 Acenaphthylene	152	8.692	8.692	0.000	98	84953	0.5000	0.5227	
140 3-Nitroaniline	138	8.762	8.767	-0.005	92	14465	0.5000	0.5038	
141 Acenaphthene	153	8.837	8.837	0.000	93	63396	0.5000	0.5318	
142 2,4-Dinitrophenol	184	8.842	8.847	-0.005	80	8578	1.00	1.05	
143 4-Nitrophenol	109	8.890	8.895	-0.005	93	15707	1.00	0.9789	
144 2,4-Dinitrotoluene	165	8.949	8.954	-0.005	92	16319	0.5000	0.4451	
145 Dibenzofuran	168	8.975	8.981	-0.006	96	81817	0.5000	0.5348	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	73	13077	0.5000	0.4675	
149 Diethyl phthalate	149	9.141	9.146	-0.005	98	60707	0.5000	0.5007	
240 Hexadecane	57	9.152	9.152	0.000	90	54875	0.5000	0.5393	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	92	30597	0.5000	0.4866	
151 Fluorene	166	9.259	9.264	-0.005	94	65066	0.5000	0.5128	
153 4-Nitroaniline	138	9.264	9.269	-0.005	83	16956	0.5000	0.5233	
154 4,6-Dinitro-2-methylphenol	198	9.291	9.296	-0.005	83	14418	1.00	1.02	
160 Diphenylamine	169	9.344	9.344	0.000	94	44813	0.4275	0.4380	
157 N-Nitrosodiphenylamine	169	9.344	9.344	0.000	64	44813	0.5000	0.5123	
158 Azobenzene	77	9.376	9.381	-0.005	99	66284	0.5000	0.5206	
159 1,2-Diphenylhydrazine	77	9.376	9.381	-0.005	98	66284	0.5000	0.5207	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	69	17747	0.5000	0.5464	
168 Hexachlorobenzene	284	9.718	9.723	-0.005	92	16862	0.5000	0.5183	
170 Atrazine	200	9.771	9.777	-0.006	91	37145	1.00	1.01	
172 Pentachlorophenol	266	9.878	9.878	0.000	89	15930	1.00	0.8933	
266 n-Octadecane	57	9.905	9.910	-0.005	91	57183	0.5000	0.5466	
177 Phenanthrene	178	10.055	10.055	0.000	97	98853	0.5000	0.5545	
180 Anthracene	178	10.097	10.097	0.000	97	101748	0.5000	0.5692	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.220	10.226	-0.006	96	85585	0.5000	0.5865	
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	100	110754	0.5000	0.5363	
191 Fluoranthene	202	11.038	11.043	-0.005	98	103055	0.5000	0.5501	
192 Benzidine	184	11.134	11.139	-0.005	99	91598	1.00	1.17	
193 Pyrene	202	11.241	11.241	0.000	98	109695	0.5000	0.5369	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	98	47175	0.5000	0.4910	
204 3,3'-Dichlorobenzidine	252	12.400	12.405	-0.005	75	61932	1.00	1.08	
206 Bis(2-ethylhexyl) phthalate	149	12.427	12.427	0.000	97	72074	0.5000	0.5074	
205 Benzo[a]anthracene	228	12.448	12.448	0.000	98	102801	0.5000	0.5232	
207 Chrysene	228	12.491	12.496	-0.005	97	101203	0.5000	0.5498	
208 Di-n-octyl phthalate	149	13.233	13.233	0.000	99	109783	0.5000	0.4901	
209 Benzo[b]fluoranthene	252	13.805	13.816	-0.011	98	79764	0.5000	0.4973	
211 Benzo[k]fluoranthene	252	13.842	13.853	-0.011	99	81603	0.5000	0.4991	
213 Benzo[a]pyrene	252	14.259	14.264	-0.005	78	64762	0.5000	0.5014	
215 Indeno[1,2,3-cd]pyrene	276	15.851	15.862	-0.011	96	59449	0.5000	0.4697	
216 Dibenz(a,h)anthracene	278	15.878	15.883	-0.005	90	52205	0.5000	0.4898	
217 Benzo[g,h,i]perylene	276	16.241	16.252	-0.011	96	48609	0.5000	0.4845	
S 220 Total Cresols	1				0			1.02	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00459	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

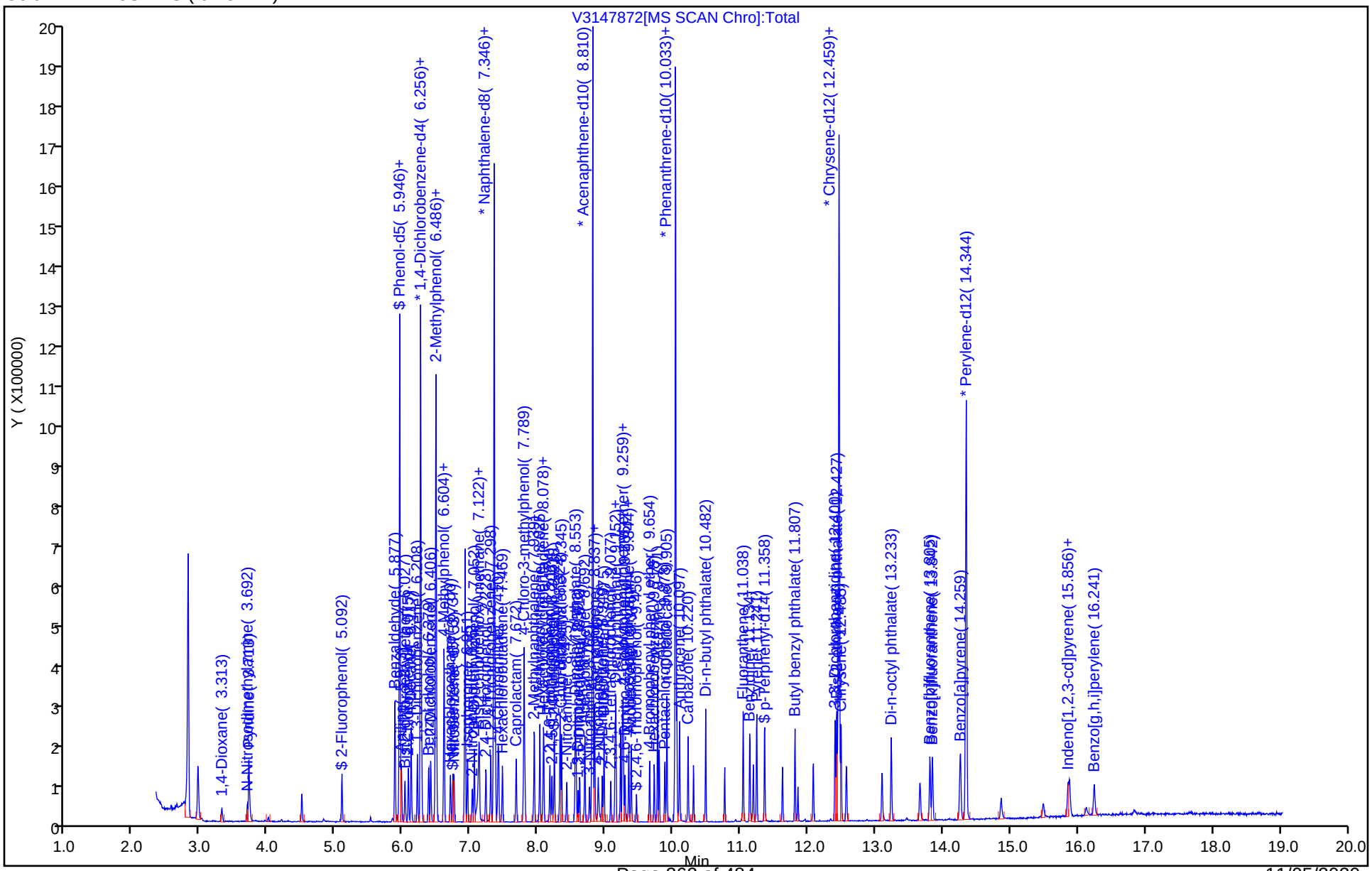
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147872.D

Injection Date:	02-Nov-2020 18:08:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	IC - List 1 - 0.5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

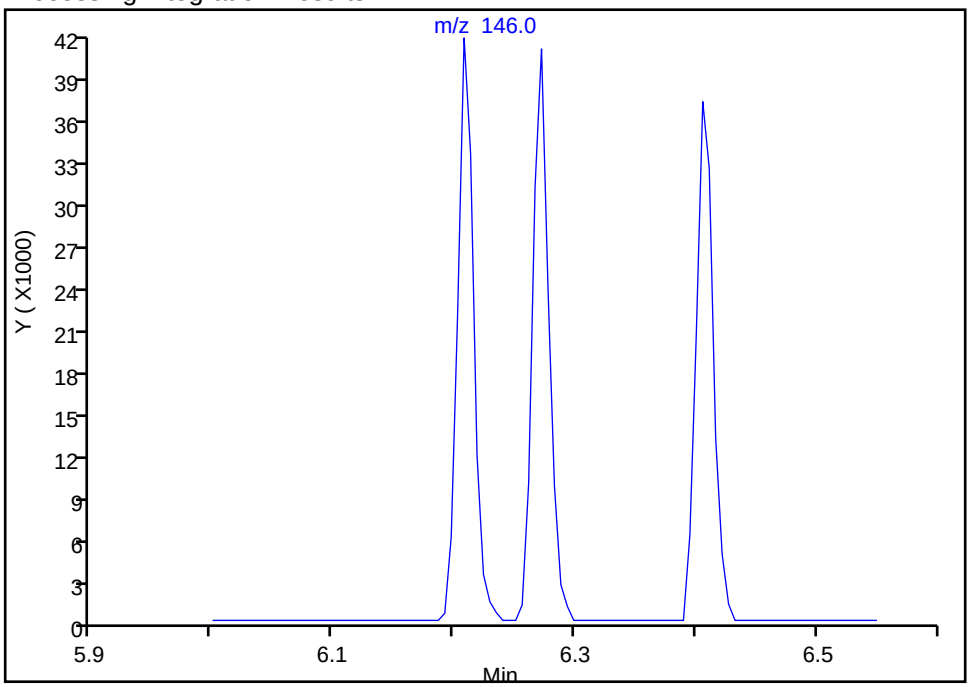
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Injection Date: 02-Nov-2020 18:08:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 0.5
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

77 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

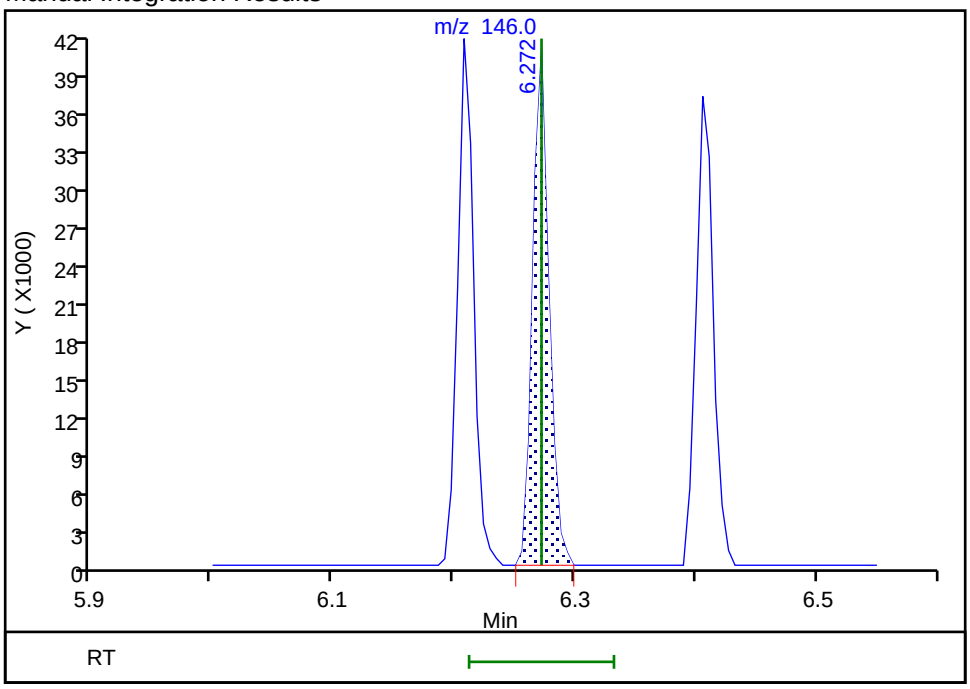
Not Detected
Expected RT: 6.27

Processing Integration Results



Manual Integration Results

RT: 6.27
Area: 37828
Amount: 0.506812
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:09:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

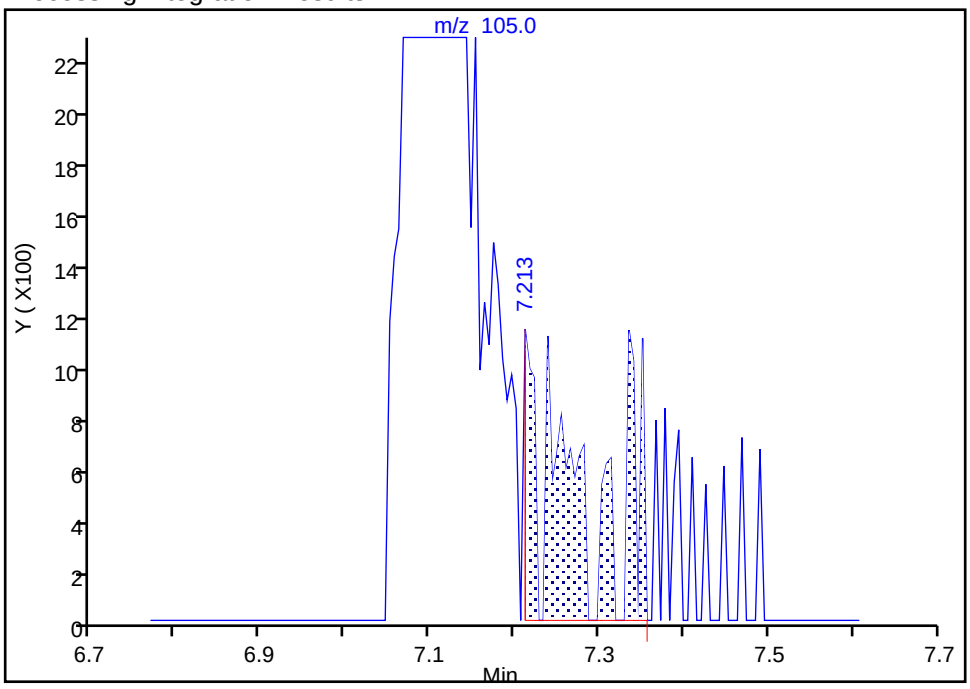
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Injection Date:	02-Nov-2020 18:08:30	Instrument ID:	HP5973V		
Lims ID:	IC - List 1 - 0.5				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzoic acid, CAS: 65-85-0

Signal: 1

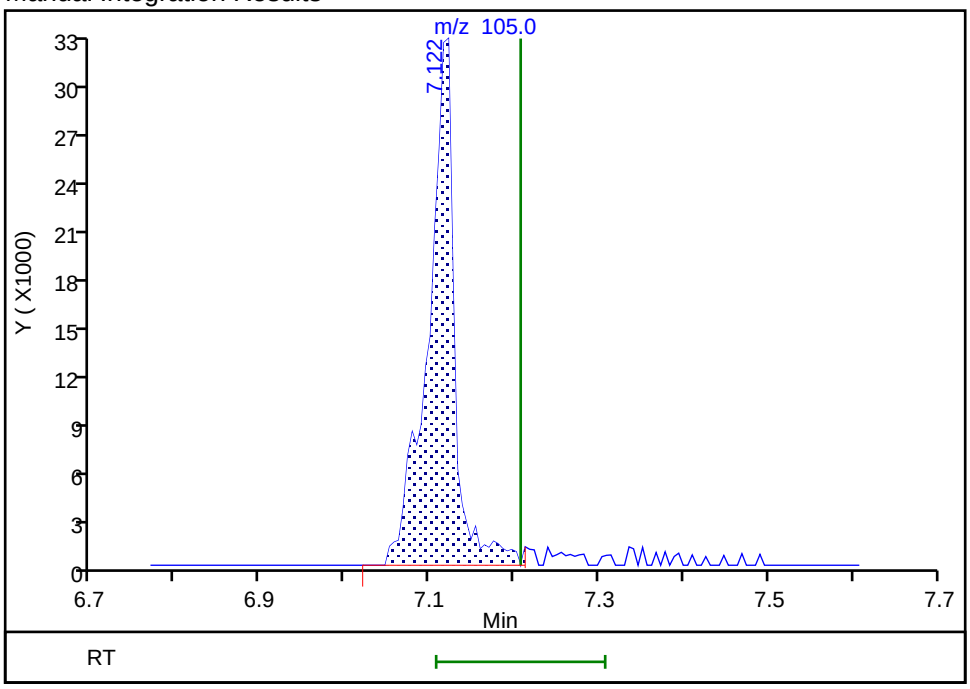
Processing Integration Results

RT: 7.21
Area: 4581
Amount: 2.388395
Amount Units: ng/uL



Manual Integration Results

RT: 7.12
Area: 70611
Amount: 2.625699
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:09:48

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147873.D
Lims ID: IC - List 1 - 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 02-Nov-2020 18:35:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-005
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:18:11 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 10:11:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	185072	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.351	-0.005	100	737868	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	392967	4.00	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.006	98	620822	4.00	4.00	
* 5 Chrysene-d12	240	12.458	12.464	-0.006	99	571261	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	97	479749	4.00	4.00	
$ 7 2-Fluorophenol	112	5.092	5.086	0.006	94	66295	1.00	1.01	
$ 8 Phenol-d5	99	5.936	5.936	0.000	90	81869	1.00	1.00	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	89	68078	1.00	0.9832	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	129310	1.00	1.05	
$ 11 2,4,6-Tribromophenol	330	9.456	9.462	-0.006	90	14132	1.00	0.9306	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	151258	1.00	1.07	
55 1,4-Dioxane	88	3.307	3.302	0.005	99	28500	1.00	1.07	
53 N-Nitrosodimethylamine	42	3.687	3.681	0.006	93	33967	1.00	0.99	
52 Pyridine	52	3.708	3.703	0.005	88	104232	2.00	2.02	
71 Benzaldehyde	77	5.877	5.877	0.000	94	113740	2.00	2.15	
72 Phenol	94	5.946	5.952	-0.006	60	88031	1.00	0.9847	
69 Aniline	93	5.973	5.973	0.000	98	103473	1.00	1.04	
74 Bis(2-chloroethyl)ether	93	6.026	6.027	-0.001	94	68196	1.00	1.02	
75 2-Chlorophenol	128	6.075	6.075	-0.001	98	69420	1.00	1.03	
261 n-Decane	57	6.117	6.117	0.000	93	94001	1.00	1.01	
78 1,3-Dichlorobenzene	146	6.208	6.208	0.000	97	71393	1.00	1.00	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	95	75059	1.00	1.04	
79 Benzyl alcohol	108	6.379	6.379	0.000	94	46802	1.00	1.01	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	96	70417	1.00	1.00	
82 2-Methylphenol	108	6.475	6.475	0.000	91	63166	1.00	1.01	
230 Indene	115	6.486	6.486	0.000	91	596158	5.00	5.50	
83 2,2'-oxybis[1-chloropropane]	45	6.491	6.491	0.000	92	120351	1.00	1.06	
87 N-Nitrosodi-n-propylamine	70	6.603	6.609	-0.006	86	46637	1.00	1.00	
88 4-Methylphenol	108	6.603	6.609	-0.006	90	66174	1.00	1.02	
86 Acetophenone	105	6.603	6.609	-0.006	83	90320	1.00	1.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.700	6.694	0.006	98	29414	1.00	0.9887	
85 Nitrobenzene	77	6.753	6.753	0.000	89	71869	1.00	1.03	
94 Isophorone	82	6.956	6.956	0.000	99	130574	1.00	1.03	
97 2-Nitrophenol	139	7.025	7.026	-0.001	94	33386	1.00	0.9718	
99 2,4-Dimethylphenol	107	7.052	7.058	-0.006	95	69342	1.00	1.02	
103 Bis(2-chloroethoxy)methane	93	7.127	7.132	-0.005	98	78654	1.00	1.03	
105 Benzoic acid	105	7.143	7.207	-0.064	89	175475	5.00	4.70	
106 2,4-Dichlorophenol	162	7.223	7.229	-0.006	96	53298	1.00	1.00	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	93	60131	1.00	1.02	
107 Naphthalene	128	7.367	7.367	0.000	97	205680	1.00	1.10	
108 4-Chloroaniline	127	7.405	7.405	0.000	96	78543	1.00	1.04	
115 2,6-Dichlorophenol	162	7.415	7.416	-0.001	96	51824	1.00	0.9795	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	95	34352	1.00	1.03	
114 Caprolactam	113	7.683	7.725	-0.042	78	39730	2.00	1.89	
117 4-Chloro-3-methylphenol	107	7.805	7.811	-0.006	98	56238	1.00	1.00	
121 2-Methylnaphthalene	142	7.939	7.944	-0.005	92	130314	1.00	1.04	
236 1-Methylnaphthalene	142	8.024	8.025	-0.001	92	119422	1.00	1.02	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	97	34593	1.00	0.9601	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	54960	1.00	1.04	
127 2,4,6-Trichlorophenol	196	8.174	8.174	0.000	93	36451	1.00	0.9846	
129 2,4,5-Trichlorophenol	196	8.206	8.212	-0.006	93	36810	1.00	1.03	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	94	159942	1.00	1.09	
131 2-Chloronaphthalene	162	8.345	8.350	-0.005	96	116049	1.00	1.04	
132 2-Nitroaniline	65	8.425	8.425	0.000	81	35345	1.00	0.9729	
134 Dimethyl phthalate	163	8.564	8.569	-0.005	99	121087	1.00	1.03	
139 1,3-Dinitrobenzene	168	8.591	8.596	-0.005	85	16885	1.00	0.8545	
135 2,6-Dinitrotoluene	165	8.617	8.623	-0.006	95	26812	1.00	0.9531	
137 Acenaphthylene	152	8.692	8.692	0.000	98	169443	1.00	1.08	
140 3-Nitroaniline	138	8.762	8.767	-0.005	93	29536	1.00	1.00	
141 Acenaphthene	153	8.836	8.837	-0.001	91	120616	1.00	1.05	
142 2,4-Dinitrophenol	184	8.842	8.847	-0.005	82	23782	2.00	1.87	
143 4-Nitrophenol	109	8.890	8.895	-0.005	95	37199	2.00	2.12	
144 2,4-Dinitrotoluene	165	8.949	8.954	-0.005	93	35338	1.00	0.9537	
145 Dibenzofuran	168	8.975	8.981	-0.006	96	156114	1.00	1.06	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	75	27613	1.00	0.9656	
149 Diethyl phthalate	149	9.141	9.146	-0.005	98	118515	1.00	1.01	
240 Hexadecane	57	9.152	9.152	0.000	91	105566	1.00	1.06	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	91	61809	1.00	1.02	
151 Fluorene	166	9.258	9.264	-0.006	95	129046	1.00	1.05	
153 4-Nitroaniline	138	9.264	9.269	-0.005	85	30914	1.00	0.9815	
154 4,6-Dinitro-2-methylphenol	198	9.285	9.296	-0.011	82	34516	2.00	1.92	
160 Diphenylamine	169	9.344	9.344	0.000	96	89249	0.8550	0.8882	
157 N-Nitrosodiphenylamine	169	9.344	9.344	0.000	61	89249	1.00	1.04	
158 Azobenzene	77	9.376	9.381	-0.005	99	134122	1.00	1.07	
159 1,2-Diphenylhydrazine	77	9.376	9.381	-0.005	98	134122	1.00	1.07	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	69	32727	1.00	1.01	
168 Hexachlorobenzene	284	9.718	9.723	-0.005	90	30627	1.00	0.9586	
170 Atrazine	200	9.771	9.777	-0.006	91	75871	2.00	2.15	
172 Pentachlorophenol	266	9.878	9.878	0.000	91	37563	2.00	1.91	
266 n-Octadecane	57	9.905	9.910	-0.005	92	109211	1.00	1.06	
177 Phenanthrene	178	10.054	10.055	-0.001	97	190663	1.00	1.09	
180 Anthracene	178	10.097	10.097	0.000	97	197044	1.00	1.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.220	10.226	-0.006	96	164602	1.00	1.15	
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	100	225138	1.00	1.11	
191 Fluoranthene	202	11.037	11.043	-0.006	98	207597	1.00	1.13	
192 Benzidine	184	11.139	11.139	0.000	100	152513	2.00	2.02	
193 Pyrene	202	11.240	11.241	-0.001	97	213762	1.00	1.08	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	98	94031	1.00	1.01	
204 3,3'-Dichlorobenzidine	252	12.400	12.405	-0.005	75	119828	2.00	2.15	
206 Bis(2-ethylhexyl) phthalate	149	12.421	12.427	-0.006	97	143048	1.00	1.04	
205 Benzo[a]anthracene	228	12.448	12.448	0.000	98	198367	1.00	1.04	
207 Chrysene	228	12.491	12.496	-0.005	98	189161	1.00	1.06	
208 Di-n-octyl phthalate	149	13.233	13.233	0.000	99	230094	1.00	1.06	
209 Benzo[b]fluoranthene	252	13.805	13.816	-0.011	98	158712	1.00	1.04	
211 Benzo[k]fluoranthene	252	13.842	13.853	-0.011	98	157070	1.00	1.01	
213 Benzo[a]pyrene	252	14.259	14.264	-0.005	78	124507	1.00	1.01	
215 Indeno[1,2,3-cd]pyrene	276	15.851	15.862	-0.011	97	123180	1.00	1.02	
216 Dibenz(a,h)anthracene	278	15.878	15.883	-0.005	89	103898	1.00	1.02	
217 Benzo[g,h,i]perylene	276	16.241	16.252	-0.011	95	96038	1.00	1.00	
S 220 Total Cresols	1				0			2.04	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00460	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

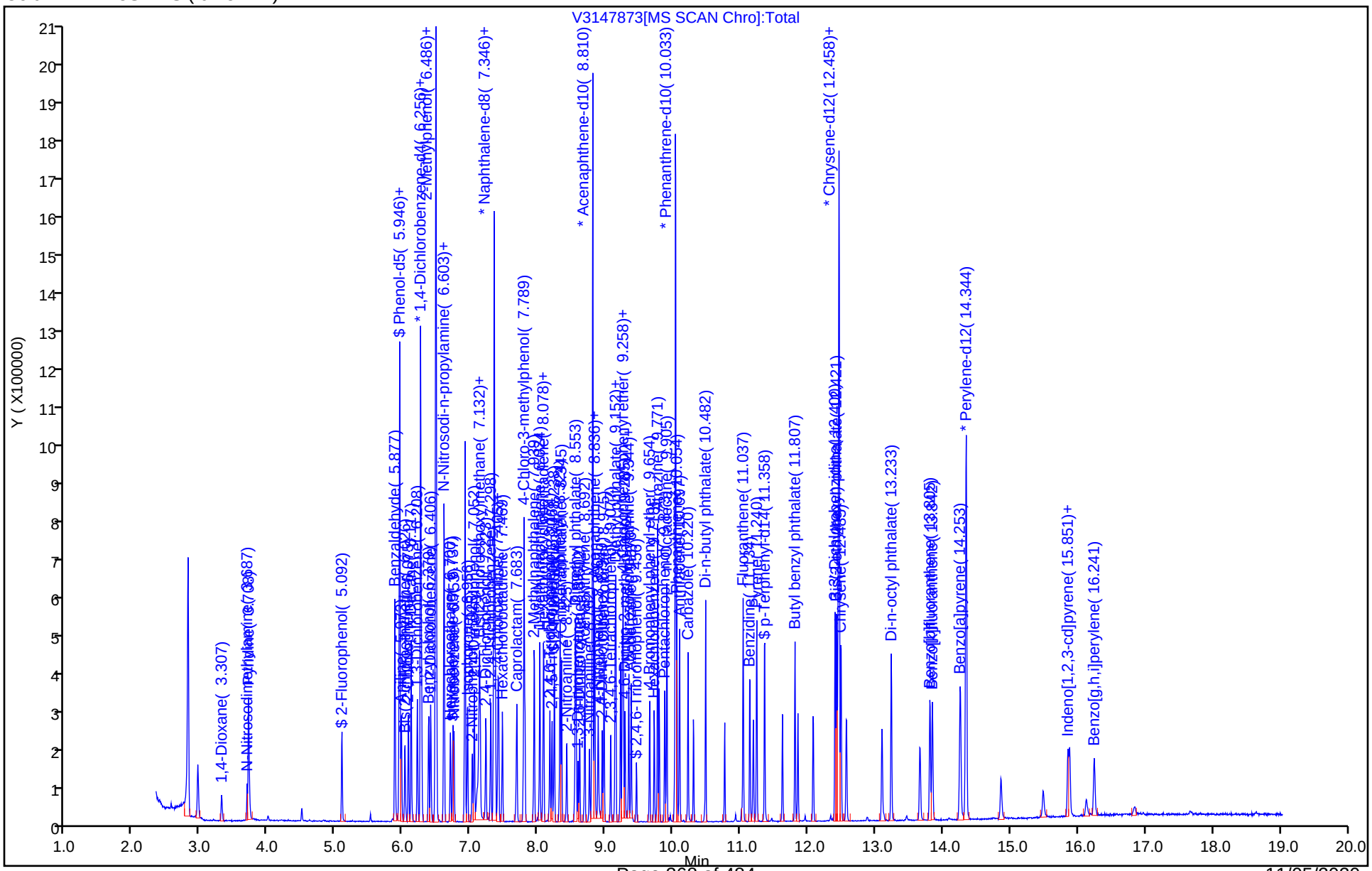
Report Date: 03-Nov-2020 14:18:12 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147873.D

Injection Date:	02-Nov-2020 18:35:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	IC - List 1 - 1			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147874.D
Lims ID: IC - List 1 - 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 02-Nov-2020 19:02:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-006
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:18:22 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 10:14:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	197497	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.351	-0.005	100	793221	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	436093	4.00	4.00	
* 4 Phenanthrene-d10	188	10.038	10.039	-0.001	98	689336	4.00	4.00	
* 5 Chrysene-d12	240	12.464	12.464	0.000	99	614271	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	97	520494	4.00	4.00	
$ 7 2-Fluorophenol	112	5.086	5.086	0.000	95	137486	2.00	1.97	
$ 8 Phenol-d5	99	5.936	5.936	0.000	91	177776	2.00	2.04	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	90	151350	2.00	2.03	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	285620	2.00	2.09	
$ 11 2,4,6-Tribromophenol	330	9.461	9.462	-0.001	88	31768	2.00	1.88	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	318741	2.00	2.09	
55 1,4-Dioxane	88	3.307	3.302	0.005	97	57179	2.00	2.01	
53 N-Nitrosodimethylamine	42	3.681	3.681	0.000	92	74064	2.00	2.03	
52 Pyridine	52	3.703	3.703	-0.001	86	222628	4.00	4.04	
71 Benzaldehyde	77	5.871	5.877	-0.006	93	240356	4.00	4.26	
72 Phenol	94	5.946	5.952	-0.006	97	197524	2.00	2.07	
69 Aniline	93	5.968	5.973	-0.005	97	215816	2.00	2.03	
74 Bis(2-chloroethyl)ether	93	6.021	6.027	-0.006	94	146144	2.00	2.04	
75 2-Chlorophenol	128	6.074	6.075	-0.001	97	145429	2.00	2.02	
261 n-Decane	57	6.112	6.117	-0.005	93	202692	2.00	2.05	
78 1,3-Dichlorobenzene	146	6.208	6.208	0.000	97	159901	2.00	2.09	
77 1,4-Dichlorobenzene	146	6.267	6.272	-0.005	93	158721	2.00	2.06	
79 Benzyl alcohol	108	6.374	6.379	-0.005	93	103220	2.00	2.09	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	95	148259	2.00	1.97	
82 2-Methylphenol	108	6.475	6.475	0.000	93	136093	2.00	2.05	
230 Indene	115	6.480	6.486	-0.006	91	1213219	10.0	10.4	
83 2,2'-oxybis[1-chloropropane]	45	6.491	6.491	0.000	95	256483	2.00	2.12	
88 4-Methylphenol	108	6.603	6.609	-0.006	70	143410	2.00	2.08	
86 Acetophenone	105	6.603	6.609	-0.006	82	200412	2.00	2.09	
87 N-Nitrosodi-n-propylamine	70	6.603	6.609	-0.006	92	101473	2.00	2.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.694	6.694	0.000	97	64059	2.00	2.02	
85 Nitrobenzene	77	6.753	6.753	0.000	90	152453	2.00	2.03	
94 Isophorone	82	6.956	6.956	0.000	99	286593	2.00	2.11	
97 2-Nitrophenol	139	7.025	7.026	-0.001	96	72791	2.00	1.97	
99 2,4-Dimethylphenol	107	7.052	7.058	-0.006	94	149491	2.00	2.04	
103 Bis(2-chloroethoxy)methane	93	7.127	7.132	-0.005	98	166348	2.00	2.02	
105 Benzoic acid	105	7.170	7.207	-0.037	88	438131	10.0	9.21	a
106 2,4-Dichlorophenol	162	7.223	7.229	-0.006	96	115887	2.00	2.02	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	94	127826	2.00	2.02	
107 Naphthalene	128	7.367	7.367	0.000	97	427186	2.00	2.12	
108 4-Chloroaniline	127	7.405	7.405	0.000	95	170853	2.00	2.11	
115 2,6-Dichlorophenol	162	7.415	7.416	-0.001	97	113986	2.00	2.00	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	96	72009	2.00	2.01	
114 Caprolactam	113	7.699	7.725	-0.027	78	89626	4.00	3.88	
117 4-Chloro-3-methylphenol	107	7.805	7.811	-0.006	97	125697	2.00	2.07	
121 2-Methylnaphthalene	142	7.939	7.944	-0.005	91	283084	2.00	2.10	
236 1-Methylnaphthalene	142	8.024	8.025	-0.001	94	262293	2.00	2.08	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	96	79091	2.00	1.98	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	115153	2.00	1.95	
127 2,4,6-Trichlorophenol	196	8.174	8.174	0.000	92	86466	2.00	2.10	
129 2,4,5-Trichlorophenol	196	8.206	8.212	-0.006	92	77420	2.00	1.93	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	95	345754	2.00	2.12	
131 2-Chloronaphthalene	162	8.345	8.350	-0.005	97	256318	2.00	2.06	
132 2-Nitroaniline	65	8.425	8.425	0.000	81	82436	2.00	2.01	
134 Dimethyl phthalate	163	8.564	8.569	-0.005	99	273304	2.00	2.10	
139 1,3-Dinitrobenzene	168	8.591	8.596	-0.005	87	45312	2.00	2.03	
135 2,6-Dinitrotoluene	165	8.617	8.623	-0.006	94	64124	2.00	2.00	
137 Acenaphthylene	152	8.692	8.692	0.000	98	374848	2.00	2.15	
140 3-Nitroaniline	138	8.762	8.767	-0.005	92	65640	2.00	1.94	
141 Acenaphthene	153	8.836	8.837	-0.001	91	265953	2.00	2.08	
142 2,4-Dinitrophenol	184	8.842	8.847	-0.005	83	63193	4.00	3.62	
143 4-Nitrophenol	109	8.890	8.895	-0.005	94	78273	4.00	3.84	
144 2,4-Dinitrotoluene	165	8.949	8.954	-0.005	94	83644	2.00	1.99	
145 Dibenzofuran	168	8.975	8.981	-0.006	96	342557	2.00	2.09	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	74	63666	2.00	1.95	
149 Diethyl phthalate	149	9.141	9.146	-0.005	98	268794	2.00	2.07	
240 Hexadecane	57	9.152	9.152	0.000	90	233330	2.00	2.10	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	94	132322	2.00	1.96	
151 Fluorene	166	9.258	9.264	-0.006	95	278864	2.00	2.05	
153 4-Nitroaniline	138	9.269	9.269	0.000	83	65337	2.00	1.86	
154 4,6-Dinitro-2-methylphenol	198	9.290	9.296	-0.006	85	88767	4.00	3.91	
160 Diphenylamine	169	9.344	9.344	0.000	95	195894	1.71	1.76	
157 N-Nitrosodiphenylamine	169	9.344	9.344	0.000	60	195894	2.00	2.05	
158 Azobenzene	77	9.381	9.381	0.000	99	299731	2.00	2.16	
159 1,2-Diphenylhydrazine	77	9.381	9.381	0.000	96	299731	2.00	2.16	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	69	71765	2.00	1.97	
168 Hexachlorobenzene	284	9.723	9.723	0.000	94	70360	2.00	1.98	
170 Atrazine	200	9.771	9.777	-0.006	91	167808	4.00	4.28	
172 Pentachlorophenol	266	9.878	9.878	0.000	91	88488	4.00	3.87	
266 n-Octadecane	57	9.910	9.910	0.000	92	242066	2.00	2.12	
177 Phenanthrene	178	10.054	10.055	-0.001	97	410693	2.00	2.11	
180 Anthracene	178	10.097	10.097	0.000	97	412492	2.00	2.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.220	10.226	-0.006	96	304101	2.00	1.91	
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	100	478317	2.00	2.12	
191 Fluoranthene	202	11.037	11.043	-0.006	98	445298	2.00	2.18	
192 Benzidine	184	11.139	11.139	0.000	100	268731	4.00	3.31	
193 Pyrene	202	11.240	11.241	-0.001	97	446487	2.00	2.10	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	98	209257	2.00	2.09	
204 3,3'-Dichlorobenzidine	252	12.405	12.405	0.000	75	218817	4.00	3.65	
206 Bis(2-ethylhexyl) phthalate	149	12.426	12.427	-0.001	97	308325	2.00	2.08	
205 Benzo[a]anthracene	228	12.448	12.448	0.000	98	422838	2.00	2.07	
207 Chrysene	228	12.490	12.496	-0.006	97	400807	2.00	2.09	
208 Di-n-octyl phthalate	149	13.233	13.233	0.000	99	506313	2.00	2.17	
209 Benzo[b]fluoranthene	252	13.810	13.816	-0.006	98	342902	2.00	2.06	
211 Benzo[k]fluoranthene	252	13.847	13.853	-0.006	99	349870	2.00	2.06	
213 Benzo[a]pyrene	252	14.264	14.264	0.000	73	276159	2.00	2.06	
215 Indeno[1,2,3-cd]pyrene	276	15.856	15.862	-0.006	97	260915	2.00	1.99	
216 Dibenz(a,h)anthracene	278	15.877	15.883	-0.006	91	220564	2.00	2.00	
217 Benzo[g,h,i]perylene	276	16.246	16.252	-0.006	96	212174	2.00	2.04	
S 220 Total Cresols	1				0			4.13	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00461	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

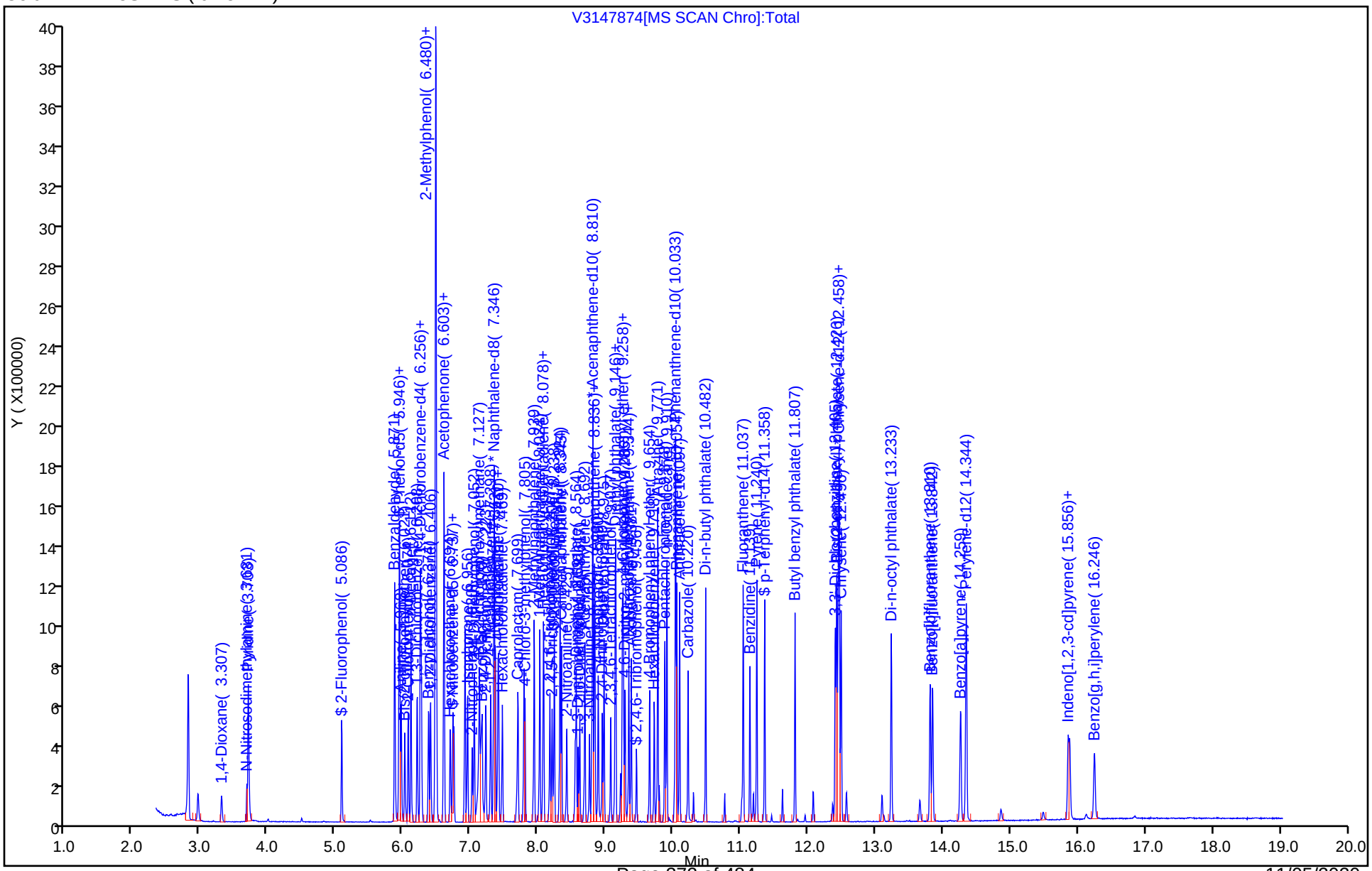
Report Date: 03-Nov-2020 14:18:23 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147874.D

Injection Date:	02-Nov-2020 19:02:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	IC - List 1 - 2			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

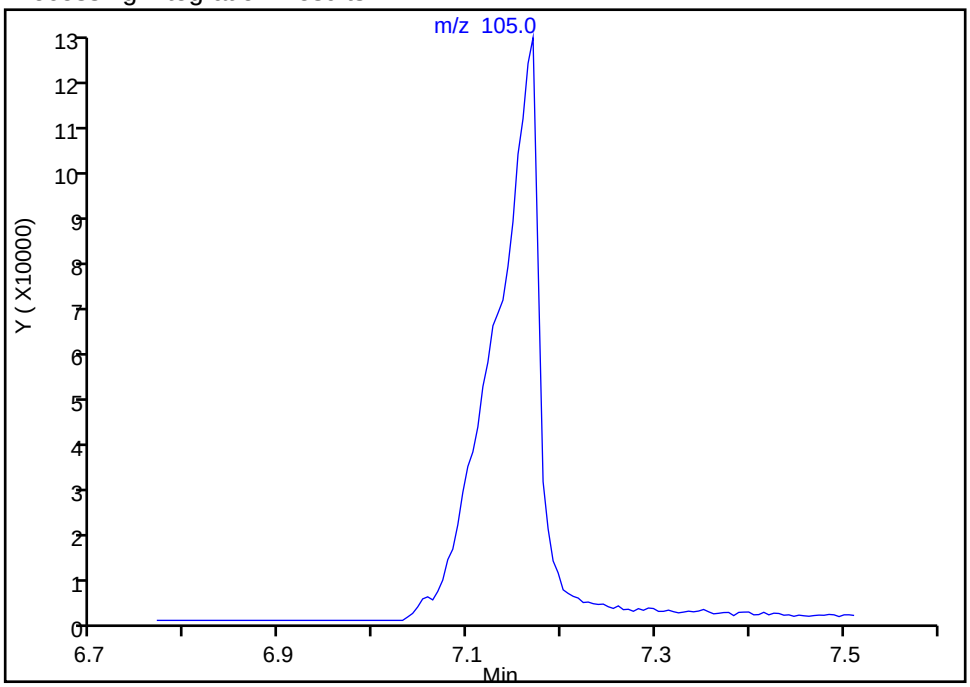
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147874.D
Injection Date: 02-Nov-2020 19:02:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 2
Client ID:
Operator ID: JM ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

105 Benzoic acid, CAS: 65-85-0

Signal: 1

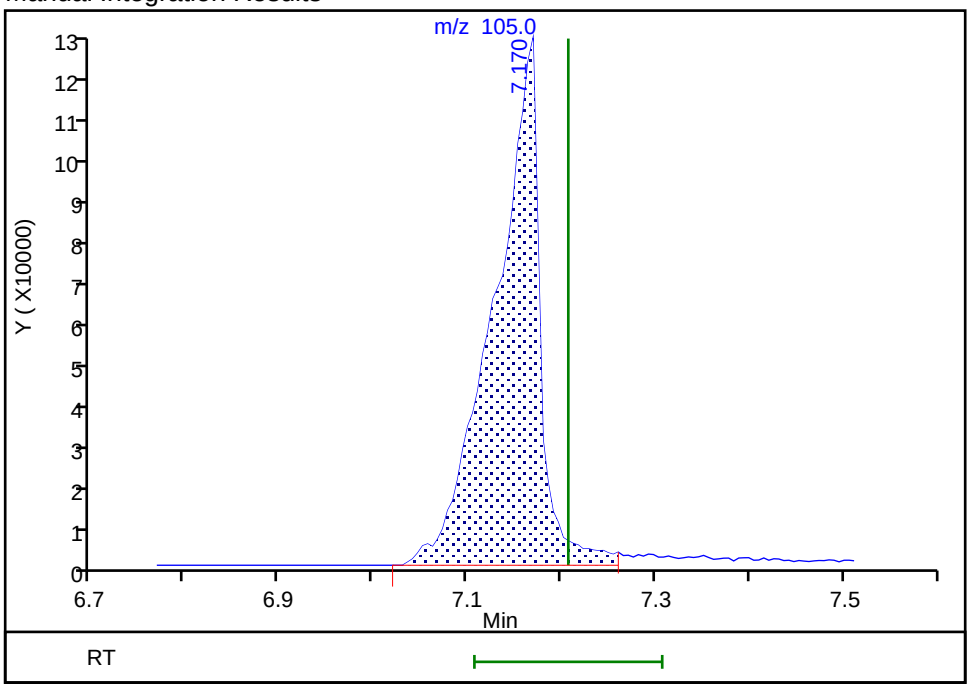
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.17
Area: 438131
Amount: 9.211791
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:14:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147875.D
Lims ID: ICIS - List 1 - 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 02-Nov-2020 19:30:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-007
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:18:35 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 09:05:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	196771	4.00	4.00	
* 2 Naphthalene-d8	136	7.351	7.351	0.000	99	772773	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	419538	4.00	4.00	
* 4 Phenanthrene-d10	188	10.039	10.039	0.000	98	664966	4.00	4.00	
* 5 Chrysene-d12	240	12.464	12.464	0.000	99	595087	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	97	500942	4.00	4.00	
$ 7 2-Fluorophenol	112	5.086	5.086	0.000	94	286614	4.00	4.11	
$ 8 Phenol-d5	99	5.936	5.936	0.000	91	347358	4.00	4.00	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	90	301614	4.00	4.16	
$ 10 2-Fluorobiphenyl	172	8.244	8.244	0.000	100	538450	4.00	4.10	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	92	67457	4.00	4.15	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	619230	4.00	4.19	
55 1,4-Dioxane	88	3.302	3.302	0.000	98	117049	4.00	4.12	
53 N-Nitrosodimethylamine	42	3.681	3.681	0.000	93	149789	4.00	4.13	
52 Pyridine	52	3.703	3.703	0.000	86	449124	8.00	8.18	
71 Benzaldehyde	77	5.877	5.877	0.000	93	451030	8.00	8.02	
72 Phenol	94	5.952	5.952	0.000	99	390130	4.00	4.10	
69 Aniline	93	5.973	5.973	0.000	98	434788	4.00	4.10	
74 Bis(2-chloroethyl)ether	93	6.027	6.027	0.000	95	288677	4.00	4.05	
75 2-Chlorophenol	128	6.075	6.075	0.000	97	291670	4.00	4.07	
261 n-Decane	57	6.117	6.117	0.000	92	402675	4.00	4.09	
78 1,3-Dichlorobenzene	146	6.208	6.208	0.000	97	310970	4.00	4.09	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	92	313669	4.00	4.08	
79 Benzyl alcohol	108	6.379	6.379	0.000	93	197379	4.00	4.02	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	96	297474	4.00	3.97	
82 2-Methylphenol	108	6.475	6.475	0.000	90	272113	4.00	4.11	
230 Indene	115	6.486	6.486	0.000	91	2046375	20.0	18.0	
83 2,2'-oxybis[1-chloropropane]	45	6.491	6.491	0.000	93	486166	4.00	4.03	
86 Acetophenone	105	6.609	6.609	0.000	84	385622	4.00	4.04	
87 N-Nitrosodi-n-propylamine	70	6.609	6.609	0.000	95	198787	4.00	4.00	
88 4-Methylphenol	108	6.609	6.609	0.000	72	280897	4.00	4.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.694	6.694	0.000	98	126393	4.00	4.00	
85 Nitrobenzene	77	6.753	6.753	0.000	89	299645	4.00	4.10	
94 Isophorone	82	6.956	6.956	0.000	99	539654	4.00	4.07	
97 2-Nitrophenol	139	7.026	7.026	0.000	96	148535	4.00	4.13	
99 2,4-Dimethylphenol	107	7.058	7.058	0.000	95	288791	4.00	4.05	
103 Bis(2-chloroethoxy)methane	93	7.132	7.132	0.000	98	321310	4.00	4.01	
105 Benzoic acid	105	7.207	7.207	0.000	88	954810	20.0	19.0	a
106 2,4-Dichlorophenol	162	7.229	7.229	0.000	95	227489	4.00	4.07	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	94	248979	4.00	4.04	
107 Naphthalene	128	7.367	7.367	0.000	98	820519	4.00	4.18	
108 4-Chloroaniline	127	7.405	7.405	0.000	96	334049	4.00	4.23	
115 2,6-Dichlorophenol	162	7.416	7.416	0.000	96	226830	4.00	4.09	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	97	139927	4.00	4.02	
114 Caprolactam	113	7.725	7.725	0.000	77	180241	8.00	7.93	
117 4-Chloro-3-methylphenol	107	7.811	7.811	0.000	98	246060	4.00	4.17	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	92	541925	4.00	4.12	
236 1-Methylnaphthalene	142	8.025	8.025	0.000	93	504977	4.00	4.12	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	97	156413	4.00	4.07	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	224917	4.00	3.97	
127 2,4,6-Trichlorophenol	196	8.174	8.174	0.000	92	159261	4.00	4.03	
129 2,4,5-Trichlorophenol	196	8.212	8.212	0.000	92	156834	4.00	4.05	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	96	648499	4.00	4.12	
131 2-Chloronaphthalene	162	8.350	8.350	0.000	97	480997	4.00	4.02	
132 2-Nitroaniline	65	8.425	8.425	0.000	82	161953	4.00	4.07	
134 Dimethyl phthalate	163	8.569	8.569	0.000	99	524198	4.00	4.19	
139 1,3-Dinitrobenzene	168	8.596	8.596	0.000	86	91393	4.00	4.13	
135 2,6-Dinitrotoluene	165	8.623	8.623	0.000	95	126663	4.00	4.07	
137 Acenaphthylene	152	8.692	8.692	0.000	99	711452	4.00	4.25	
140 3-Nitroaniline	138	8.767	8.767	0.000	93	131936	4.00	3.98	
141 Acenaphthene	153	8.837	8.837	0.000	92	501239	4.00	4.08	
142 2,4-Dinitrophenol	184	8.847	8.847	0.000	83	145468	8.00	7.82	
143 4-Nitrophenol	109	8.895	8.895	0.000	95	162088	8.00	8.05	
144 2,4-Dinitrotoluene	165	8.954	8.954	0.000	93	164495	4.00	4.04	
145 Dibenzofuran	168	8.981	8.981	0.000	96	638019	4.00	4.04	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	74	127576	4.00	4.02	
149 Diethyl phthalate	149	9.146	9.146	0.000	98	516632	4.00	4.13	
240 Hexadecane	57	9.152	9.152	0.000	91	434370	4.00	4.06	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	93	258548	4.00	3.99	
151 Fluorene	166	9.264	9.264	0.000	95	536711	4.00	4.10	
153 4-Nitroaniline	138	9.269	9.269	0.000	84	137143	4.00	4.06	
154 4,6-Dinitro-2-methylphenol	198	9.296	9.296	0.000	85	190729	8.00	8.21	
160 Diphenylamine	169	9.344	9.344	0.000	95	386334	3.42	3.59	
157 N-Nitrosodiphenylamine	169	9.344	9.344	0.000	62	386334	4.00	4.20	
158 Azobenzene	77	9.381	9.381	0.000	98	560031	4.00	4.18	
159 1,2-Diphenylhydrazine	77	9.381	9.381	0.000	96	560031	4.00	4.18	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	69	142137	4.00	4.03	
168 Hexachlorobenzene	284	9.723	9.723	0.000	93	137208	4.00	4.01	
170 Atrazine	200	9.777	9.777	0.000	91	317513	8.00	8.41	
172 Pentachlorophenol	266	9.878	9.878	0.000	90	184884	8.00	8.18	
266 n-Octadecane	57	9.910	9.910	0.000	93	455999	4.00	4.14	
177 Phenanthrene	178	10.055	10.055	0.000	98	784304	4.00	4.18	
180 Anthracene	178	10.097	10.097	0.000	99	804267	4.00	4.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.226	10.226	0.000	96	576448	4.00	3.76	
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	100	891519	4.00	4.10	
191 Fluoranthene	202	11.043	11.043	0.000	98	851789	4.00	4.32	
192 Benzidine	184	11.139	11.139	0.000	99	605176	8.00	7.68	
193 Pyrene	202	11.241	11.241	0.000	97	863029	4.00	4.18	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	98	411459	4.00	4.24	
204 3,3'-Dichlorobenzidine	252	12.405	12.405	0.000	75	401040	8.00	6.90	
206 Bis(2-ethylhexyl) phthalate	149	12.427	12.427	0.000	97	606706	4.00	4.23	
205 Benzo[a]anthracene	228	12.448	12.448	0.000	99	810429	4.00	4.09	
207 Chrysene	228	12.496	12.496	0.000	97	753436	4.00	4.05	
208 Di-n-octyl phthalate	149	13.233	13.233	0.000	99	1002411	4.00	4.43	
209 Benzo[b]fluoranthene	252	13.816	13.816	0.000	98	669937	4.00	4.19	
211 Benzo[k]fluoranthene	252	13.853	13.853	0.000	99	674061	4.00	4.13	
213 Benzo[a]pyrene	252	14.264	14.264	0.000	79	542467	4.00	4.21	
215 Indeno[1,2,3-cd]pyrene	276	15.862	15.862	0.000	97	519070	4.00	4.11	
216 Dibenz(a,h)anthracene	278	15.883	15.883	0.000	88	447449	4.00	4.21	
217 Benzo[g,h,i]perylene	276	16.252	16.252	0.000	96	416965	4.00	4.17	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00462	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

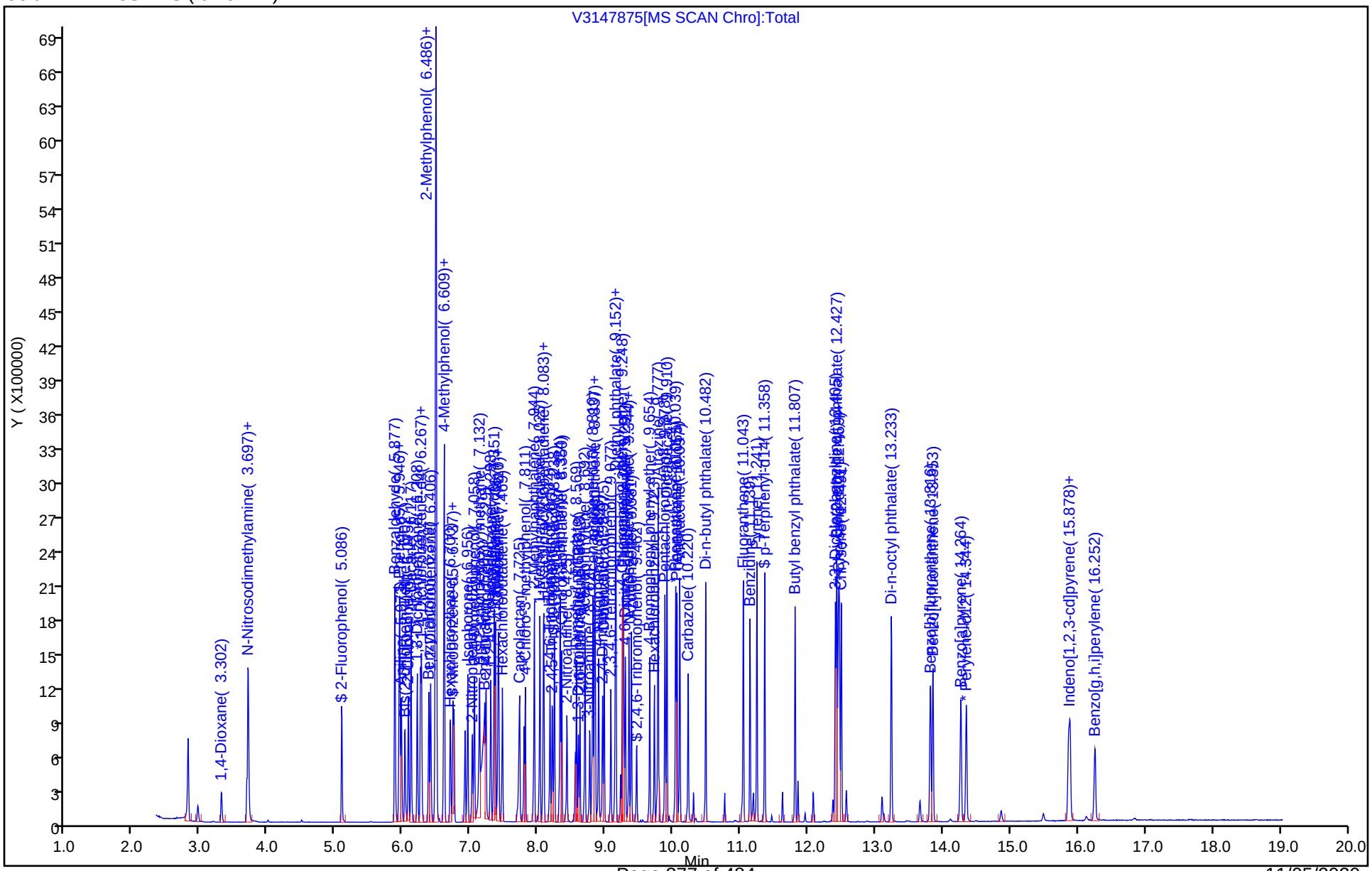
Report Date: 03-Nov-2020 14:18:36 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147875.D

Injection Date:	02-Nov-2020 19:30:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	ICIS - List 1 - 4			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

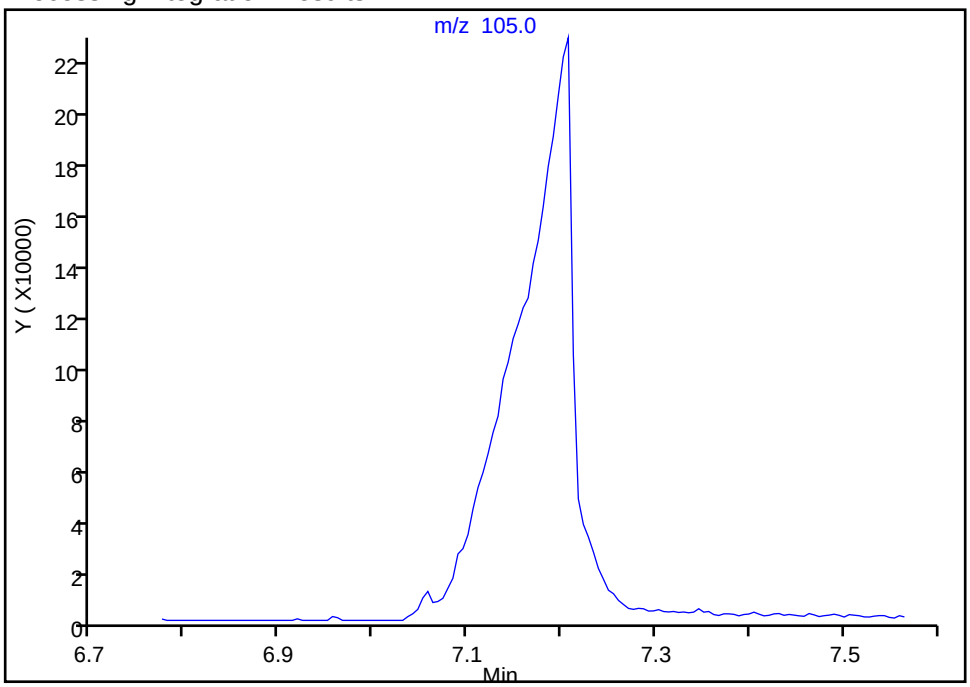
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147875.D
Injection Date: 02-Nov-2020 19:30:30 Instrument ID: HP5973V
Lims ID: ICIS - List 1 - 4
Client ID:
Operator ID: JM ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

105 Benzoic acid, CAS: 65-85-0

Signal: 1

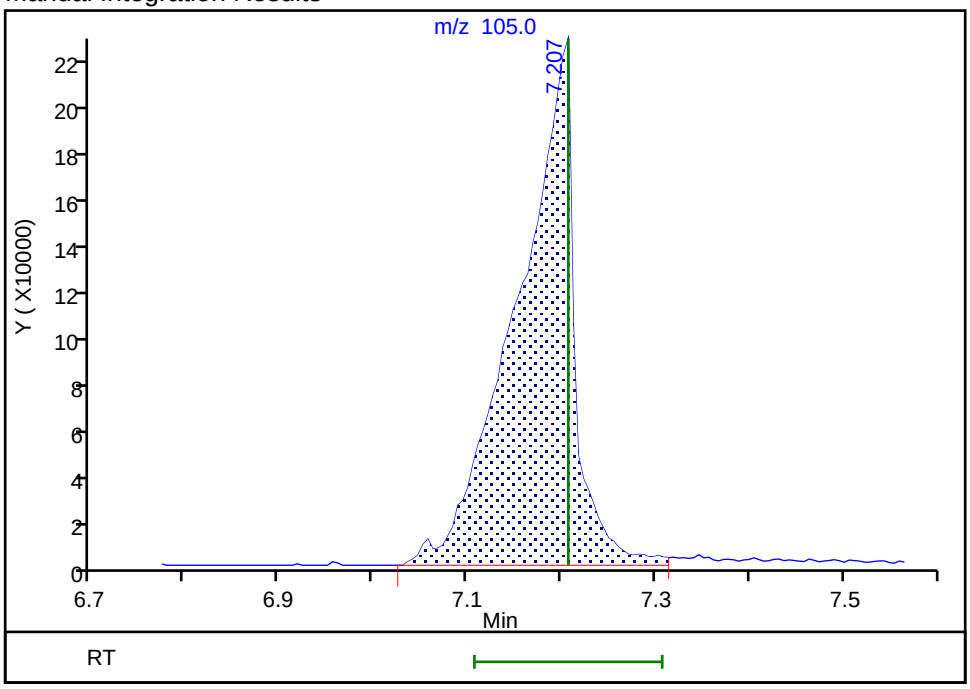
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.21
Area: 954810
Amount: 19.014643
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:07:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147876.D
Lims ID: IC - List 1 - 8
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 02-Nov-2020 19:58:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-008
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:18:46 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 10:16:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	97	197186	4.00	4.00	
* 2 Naphthalene-d8	136	7.351	7.351	0.000	99	782252	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	429283	4.00	4.00	
* 4 Phenanthrene-d10	188	10.038	10.039	-0.001	98	707943	4.00	4.00	
* 5 Chrysene-d12	240	12.469	12.464	0.005	99	618516	4.00	4.00	
* 6 Perylene-d12	264	14.350	14.344	0.006	97	533223	4.00	4.00	
$ 7 2-Fluorophenol	112	5.092	5.086	0.006	94	549576	8.00	7.87	
$ 8 Phenol-d5	99	5.946	5.936	0.010	90	685977	8.00	7.89	
$ 9 Nitrobenzene-d5	82	6.742	6.737	0.005	90	601347	8.00	8.19	
$ 10 2-Fluorobiphenyl	172	8.244	8.244	0.000	99	1058924	8.00	7.88	
$ 11 2,4,6-Tribromophenol	330	9.467	9.462	0.005	93	143216	8.00	8.27	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	97	1202049	8.00	7.82	
55 1,4-Dioxane	88	3.307	3.302	0.005	98	225629	8.00	7.93	
53 N-Nitrosodimethylamine	42	3.687	3.681	0.006	92	296201	8.00	8.14	
52 Pyridine	52	3.703	3.703	0.000	85	887172	16.0	16.1	
71 Benzaldehyde	77	5.877	5.877	0.000	93	845924	16.0	15.0	
72 Phenol	94	5.957	5.952	0.005	98	761612	8.00	8.00	
69 Aniline	93	5.978	5.973	0.005	96	858076	8.00	8.07	
74 Bis(2-chloroethyl)ether	93	6.026	6.027	-0.001	95	570411	8.00	7.98	
75 2-Chlorophenol	128	6.080	6.075	0.005	97	572735	8.00	7.97	
261 n-Decane	57	6.117	6.117	0.000	92	748167	8.00	7.58	
78 1,3-Dichlorobenzene	146	6.208	6.208	0.000	97	605166	8.00	7.94	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	91	605688	8.00	7.86	
79 Benzyl alcohol	108	6.384	6.379	0.005	93	401349	8.00	8.15	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	96	582410	8.00	7.76	
82 2-Methylphenol	108	6.481	6.475	0.006	89	541222	8.00	8.15	
230 Indene	115	6.491	6.486	0.005	89	3043013	40.0	26.5	
83 2,2'-oxybis[1-chloropropane]	45	6.497	6.491	0.006	92	927572	8.00	7.68	
87 N-Nitrosodi-n-propylamine	70	6.614	6.609	0.005	94	400460	8.00	8.04	
88 4-Methylphenol	108	6.614	6.609	0.005	71	554787	8.00	8.06	
86 Acetophenone	105	6.614	6.609	0.005	85	754971	8.00	7.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.700	6.694	0.006	98	250078	8.00	7.89	
85 Nitrobenzene	77	6.758	6.753	0.005	90	597117	8.00	8.07	
94 Isophorone	82	6.961	6.956	0.005	98	1070172	8.00	7.97	
97 2-Nitrophenol	139	7.025	7.026	-0.001	98	302602	8.00	8.31	
99 2,4-Dimethylphenol	107	7.058	7.058	0.000	96	582618	8.00	8.08	
103 Bis(2-chloroethoxy)methane	93	7.132	7.132	0.000	97	642515	8.00	7.92	
105 Benzoic acid	105	7.255	7.207	0.048	90	2177074	40.0	41.2	
106 2,4-Dichlorophenol	162	7.228	7.229	-0.001	96	460869	8.00	8.15	
100 1,2,4-Trichlorobenzene	180	7.303	7.298	0.005	94	500192	8.00	8.02	
107 Naphthalene	128	7.367	7.367	0.000	98	1507748	8.00	7.59	
108 4-Chloroaniline	127	7.410	7.405	0.005	95	645942	8.00	8.09	
115 2,6-Dichlorophenol	162	7.421	7.416	0.005	97	451389	8.00	8.05	
110 Hexachlorobutadiene	225	7.474	7.469	0.005	96	286505	8.00	8.13	
114 Caprolactam	113	7.757	7.725	0.032	78	381208	16.0	16.5	
117 4-Chloro-3-methylphenol	107	7.816	7.811	0.005	97	503021	8.00	8.42	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	91	1065627	8.00	8.00	
236 1-Methylnaphthalene	142	8.030	8.025	0.005	92	976830	8.00	7.86	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	97	327503	8.00	8.32	
124 1,2,4,5-Tetrachlorobenzene	216	8.089	8.083	0.006	98	454532	8.00	7.84	
127 2,4,6-Trichlorophenol	196	8.179	8.174	0.005	93	335319	8.00	8.29	
129 2,4,5-Trichlorophenol	196	8.217	8.212	0.005	93	322059	8.00	8.11	
130 1,1'-Biphenyl	154	8.329	8.324	0.005	97	1238397	8.00	7.70	
131 2-Chloronaphthalene	162	8.350	8.350	0.000	98	953677	8.00	7.79	
132 2-Nitroaniline	65	8.430	8.425	0.005	83	334811	8.00	8.18	
134 Dimethyl phthalate	163	8.575	8.569	0.006	97	967981	8.00	7.57	
139 1,3-Dinitrobenzene	168	8.601	8.596	0.005	86	195857	8.00	8.66	
135 2,6-Dinitrotoluene	165	8.623	8.623	0.000	94	268632	8.00	8.39	
137 Acenaphthylene	152	8.698	8.692	0.006	98	1346104	8.00	7.85	
140 3-Nitroaniline	138	8.772	8.767	0.005	94	284925	8.00	8.33	
141 Acenaphthene	153	8.842	8.837	0.005	93	981026	8.00	7.80	
142 2,4-Dinitrophenol	184	8.853	8.847	0.006	83	336127	16.0	16.9	
143 4-Nitrophenol	109	8.906	8.895	0.011	95	335351	16.0	16.1	
144 2,4-Dinitrotoluene	165	8.959	8.954	0.005	93	350537	8.00	8.37	
145 Dibenzofuran	168	8.981	8.981	0.000	95	1241930	8.00	7.69	
147 2,3,4,6-Tetrachlorophenol	232	9.082	9.077	0.005	74	270215	8.00	8.27	
149 Diethyl phthalate	149	9.152	9.146	0.006	98	1056378	8.00	8.26	
240 Hexadecane	57	9.152	9.152	0.000	92	866044	8.00	7.60	
152 4-Chlorophenyl phenyl ether	204	9.253	9.248	0.005	94	533715	8.00	8.05	
151 Fluorene	166	9.264	9.264	0.000	94	1059896	8.00	7.92	
153 4-Nitroaniline	138	9.280	9.269	0.011	85	286542	8.00	8.27	
154 4,6-Dinitro-2-methylphenol	198	9.301	9.296	0.005	84	410200	16.0	16.2	
160 Diphenylamine	169	9.349	9.344	0.005	94	781463	6.84	6.82	
157 N-Nitrosodiphenylamine	169	9.349	9.344	0.005	63	781463	8.00	7.98	
158 Azobenzene	77	9.387	9.381	0.006	97	1106049	8.00	7.76	
159 1,2-Diphenylhydrazine	77	9.387	9.381	0.006	94	1106049	8.00	7.76	
164 4-Bromophenyl phenyl ether	248	9.659	9.654	0.005	69	297314	8.00	7.89	
168 Hexachlorobenzene	284	9.723	9.723	0.000	93	286865	8.00	7.87	
170 Atrazine	200	9.787	9.777	0.010	91	616825	16.0	16.0	
172 Pentachlorophenol	266	9.884	9.878	0.006	90	403557	16.0	16.6	
266 n-Octadecane	57	9.910	9.910	0.000	94	895652	8.00	7.65	
177 Phenanthrene	178	10.060	10.055	0.005	98	1495058	8.00	7.49	
180 Anthracene	178	10.103	10.097	0.006	98	1494984	8.00	7.47	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.225	10.226	-0.001	97	1163328	8.00	7.12	
184 Di-n-butyl phthalate	149	10.487	10.482	0.005	98	1588458	8.00	6.87	
191 Fluoranthene	202	11.043	11.043	0.000	98	1560115	8.00	7.44	
192 Benzidine	184	11.144	11.139	0.005	99	1376908	16.0	16.8	
193 Pyrene	202	11.246	11.241	0.005	93	1612957	8.00	7.52	
200 Butyl benzyl phthalate	149	11.812	11.807	0.005	98	830864	8.00	8.24	
204 3,3'-Dichlorobenzidine	252	12.416	12.405	0.011	75	953139	16.0	15.8	
206 Bis(2-ethylhexyl) phthalate	149	12.426	12.427	-0.001	97	1184031	8.00	7.94	
205 Benzo[a]anthracene	228	12.453	12.448	0.005	99	1573401	8.00	7.63	
207 Chrysene	228	12.501	12.496	0.005	96	1476052	8.00	7.64	
208 Di-n-octyl phthalate	149	13.238	13.233	0.005	99	1883608	8.00	8.01	
209 Benzo[b]fluoranthene	252	13.821	13.816	0.005	98	1364894	8.00	8.01	
211 Benzo[k]fluoranthene	252	13.864	13.853	0.011	99	1391900	8.00	8.02	
213 Benzo[a]pyrene	252	14.275	14.264	0.011	79	1117291	8.00	8.14	
215 Indeno[1,2,3-cd]pyrene	276	15.872	15.862	0.010	99	1100196	8.00	8.18	
216 Dibenz(a,h)anthracene	278	15.894	15.883	0.011	94	938546	8.00	8.29	
217 Benzo[g,h,i]perylene	276	16.268	16.252	0.016	96	874475	8.00	8.21	
S 220 Total Cresols	1				0			16.2	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00463	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

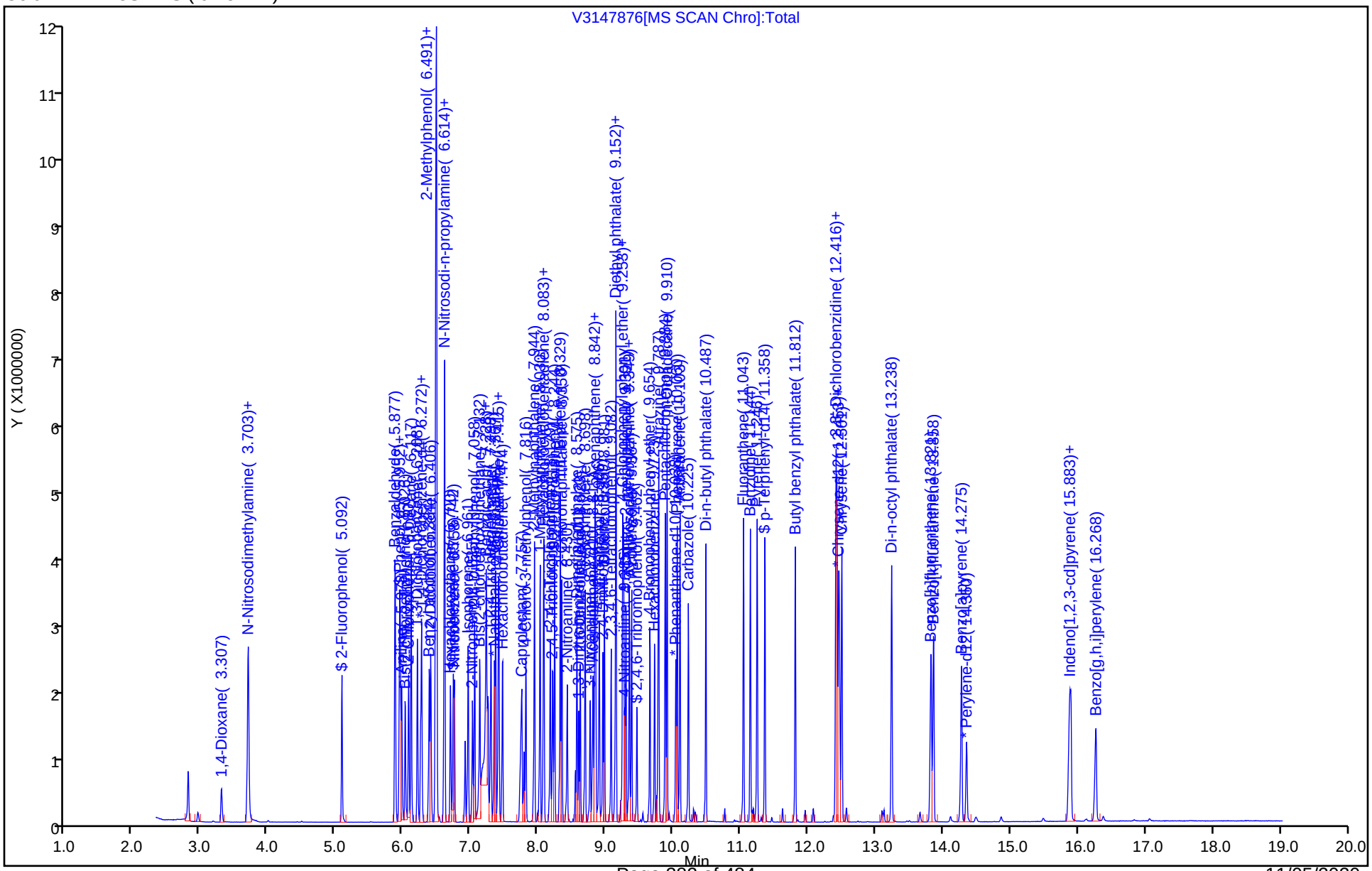
Report Date: 03-Nov-2020 14:18:47 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147876.D

Injection Date:	02-Nov-2020 19:58:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	IC - List 1 - 8			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147877.D
Lims ID: IC - List 1 - 12
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 02-Nov-2020 20:26:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-009
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:18:57 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 10:17:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	97	177529	4.00	4.00	
* 2 Naphthalene-d8	136	7.351	7.351	0.000	99	717659	4.00	4.00	
* 3 Acenaphthene-d10	164	8.815	8.810	0.005	94	387323	4.00	4.00	
* 4 Phenanthrene-d10	188	10.039	10.039	-0.001	98	641183	4.00	4.00	
* 5 Chrysene-d12	240	12.469	12.464	0.005	98	550754	4.00	4.00	
* 6 Perylene-d12	264	14.350	14.344	0.006	97	474855	4.00	4.00	
$ 7 2-Fluorophenol	112	5.092	5.086	0.006	94	747913	12.0	11.9	
$ 8 Phenol-d5	99	5.952	5.936	0.016	90	923001	12.0	11.8	
$ 9 Nitrobenzene-d5	82	6.742	6.737	0.005	91	812783	12.0	12.1	
$ 10 2-Fluorobiphenyl	172	8.244	8.244	0.000	98	1354414	12.0	11.2	
$ 11 2,4,6-Tribromophenol	330	9.467	9.462	0.005	93	196544	12.0	12.5	
$ 12 p-Terphenyl-d14	244	11.363	11.358	0.005	97	1529617	12.0	11.2	
55 1,4-Dioxane	88	3.302	3.302	0.000	98	304050	12.0	11.9	
53 N-Nitrosodimethylamine	42	3.692	3.681	0.011	93	402205	12.0	12.3	
52 Pyridine	52	3.703	3.703	0.000	85	1209717	24.0	24.4	
71 Benzaldehyde	77	5.882	5.877	0.005	93	1089684	24.0	21.5	
72 Phenol	94	5.962	5.952	0.010	99	1010385	12.0	11.8	
69 Aniline	93	5.978	5.973	0.005	97	1130664	12.0	11.8	a
74 Bis(2-chloroethyl)ether	93	6.032	6.027	0.005	94	764474	12.0	11.9	
75 2-Chlorophenol	128	6.080	6.075	0.005	97	771818	12.0	11.9	
261 n-Decane	57	6.117	6.117	0.000	91	1006357	12.0	11.3	
78 1,3-Dichlorobenzene	146	6.213	6.208	0.005	96	796557	12.0	11.6	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	91	804248	12.0	11.6	
79 Benzyl alcohol	108	6.390	6.379	0.011	93	538263	12.0	12.1	
73 1,2-Dichlorobenzene	146	6.411	6.406	0.005	96	774774	12.0	11.5	
82 2-Methylphenol	108	6.481	6.475	0.006	89	717803	12.0	12.0	
230 Indene	115	6.497	6.486	0.011	87	3564889	60.0	33.8	
83 2,2'-oxybis[1-chloropropane]	45	6.497	6.491	0.006	94	1183388	12.0	10.9	
88 4-Methylphenol	108	6.614	6.609	0.005	72	721408	12.0	11.6	
86 Acetophenone	105	6.614	6.609	0.005	84	999876	12.0	11.6	
87 N-Nitrosodi-n-propylamine	70	6.619	6.609	0.010	93	537894	12.0	12.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.700	6.694	0.006	98	339559	12.0	11.9	
85 Nitrobenzene	77	6.758	6.753	0.005	90	805792	12.0	11.9	
94 Isophorone	82	6.967	6.956	0.011	98	1418603	12.0	11.5	
97 2-Nitrophenol	139	7.031	7.026	0.005	97	412652	12.0	12.4	
99 2,4-Dimethylphenol	107	7.063	7.058	0.005	95	776301	12.0	11.7	
103 Bis(2-chloroethoxy)methane	93	7.138	7.132	0.006	97	859454	12.0	11.5	
105 Benzoic acid	105	7.282	7.207	0.075	87	3060372	60.0	62.5	
106 2,4-Dichlorophenol	162	7.234	7.229	0.005	96	611210	12.0	11.8	
100 1,2,4-Trichlorobenzene	180	7.303	7.298	0.005	94	671095	12.0	11.7	
107 Naphthalene	128	7.373	7.367	0.006	99	1906268	12.0	10.5	
108 4-Chloroaniline	127	7.415	7.405	0.010	95	844371	12.0	11.5	
115 2,6-Dichlorophenol	162	7.421	7.416	0.005	96	603022	12.0	11.7	
110 Hexachlorobutadiene	225	7.474	7.469	0.005	96	391930	12.0	12.1	
114 Caprolactam	113	7.773	7.725	0.048	77	539580	24.0	25.4	M
117 4-Chloro-3-methylphenol	107	7.821	7.811	0.010	97	664478	12.0	12.1	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	90	1376862	12.0	11.3	
236 1-Methylnaphthalene	142	8.030	8.025	0.005	92	1268378	12.0	11.1	
125 Hexachlorocyclopentadiene	237	8.083	8.078	0.005	97	439185	12.0	12.4	
124 1,2,4,5-Tetrachlorobenzene	216	8.089	8.083	0.006	98	614865	12.0	11.8	
127 2,4,6-Trichlorophenol	196	8.179	8.174	0.005	93	448924	12.0	12.3	
129 2,4,5-Trichlorophenol	196	8.217	8.212	0.005	92	446046	12.0	12.4	
130 1,1'-Biphenyl	154	8.329	8.324	0.005	99	1551443	12.0	10.7	
131 2-Chloronaphthalene	162	8.356	8.350	0.006	98	1246309	12.0	11.3	
132 2-Nitroaniline	65	8.436	8.425	0.011	83	455664	12.0	12.3	
134 Dimethyl phthalate	163	8.580	8.569	0.011	99	1394370	12.0	12.1	
139 1,3-Dinitrobenzene	168	8.607	8.596	0.011	85	268049	12.0	12.9	
135 2,6-Dinitrotoluene	165	8.628	8.623	0.005	94	365368	12.0	12.6	
137 Acenaphthylene	152	8.698	8.692	0.006	97	1697805	12.0	11.0	
140 3-Nitroaniline	138	8.772	8.767	0.005	93	379681	12.0	12.3	
141 Acenaphthene	153	8.842	8.837	0.005	95	1270063	12.0	11.2	
142 2,4-Dinitrophenol	184	8.858	8.847	0.011	83	455012	24.0	25.0	a
143 4-Nitrophenol	109	8.911	8.895	0.016	94	458870	24.0	24.3	
144 2,4-Dinitrotoluene	165	8.965	8.954	0.011	93	470599	12.0	12.4	
145 Dibenzofuran	168	8.986	8.981	0.005	94	1582656	12.0	10.9	
147 2,3,4,6-Tetrachlorophenol	232	9.082	9.077	0.005	75	364196	12.0	12.3	
149 Diethyl phthalate	149	9.152	9.146	0.006	98	1377352	12.0	11.9	
240 Hexadecane	57	9.157	9.152	0.005	95	1097624	12.0	10.6	
152 4-Chlorophenyl phenyl ether	204	9.253	9.248	0.005	96	703280	12.0	11.7	
151 Fluorene	166	9.269	9.264	0.005	93	1376626	12.0	11.4	
153 4-Nitroaniline	138	9.291	9.269	0.022	84	382010	12.0	12.2	
154 4,6-Dinitro-2-methylphenol	198	9.307	9.296	0.011	84	560586	24.0	24.2	
160 Diphenylamine	169	9.355	9.344	0.011	93	1018861	10.3	9.82	
157 N-Nitrosodiphenylamine	169	9.355	9.344	0.011	62	1018861	12.0	11.5	
158 Azobenzene	77	9.387	9.381	0.006	96	1436264	12.0	11.1	
159 1,2-Diphenylhydrazine	77	9.387	9.381	0.006	93	1436206	12.0	11.1	
164 4-Bromophenyl phenyl ether	248	9.659	9.654	0.005	69	400065	12.0	11.7	
168 Hexachlorobenzene	284	9.729	9.723	0.006	93	386318	12.0	11.7	
170 Atrazine	200	9.793	9.777	0.016	92	783682	24.0	22.5	
172 Pentachlorophenol	266	9.884	9.878	0.006	91	560864	24.0	25.4	
266 n-Octadecane	57	9.910	9.910	0.000	95	1161551	12.0	10.9	
177 Phenanthrene	178	10.060	10.055	0.005	98	1857131	12.0	10.3	
180 Anthracene	178	10.103	10.097	0.006	98	1856720	12.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.231	10.226	0.005	97	1537559	12.0	10.4	
184 Di-n-butyl phthalate	149	10.487	10.482	0.005	97	1928676	12.0	9.21	
191 Fluoranthene	202	11.048	11.043	0.005	97	1907663	12.0	10.0	
192 Benzidine	184	11.150	11.139	0.011	99	1770268	24.0	24.3	
193 Pyrene	202	11.246	11.241	0.005	91	1993411	12.0	10.4	
200 Butyl benzyl phthalate	149	11.812	11.807	0.005	97	1086169	12.0	12.1	
204 3,3'-Dichlorobenzidine	252	12.421	12.405	0.016	76	1327700	24.0	24.7	
206 Bis(2-ethylhexyl) phthalate	149	12.432	12.427	0.005	95	1520148	12.0	11.5	
205 Benzo[a]anthracene	228	12.459	12.448	0.011	99	2046756	12.0	11.2	
207 Chrysene	228	12.507	12.496	0.011	95	1875723	12.0	10.9	
208 Di-n-octyl phthalate	149	13.244	13.233	0.011	98	2316631	12.0	11.1	
209 Benzo[b]fluoranthene	252	13.831	13.816	0.015	98	1820146	12.0	12.0	
211 Benzo[k]fluoranthene	252	13.869	13.853	0.016	97	1827081	12.0	11.8	
213 Benzo[a]pyrene	252	14.280	14.264	0.016	80	1481790	12.0	12.1	
215 Indeno[1,2,3-cd]pyrene	276	15.878	15.862	0.016	98	1487448	12.0	12.4	
216 Dibenz(a,h)anthracene	278	15.904	15.883	0.021	90	1244566	12.0	12.3	
217 Benzo[g,h,i]perylene	276	16.273	16.252	0.021	96	1176248	12.0	12.4	
S 220 Total Cresols	1				0			23.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

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MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

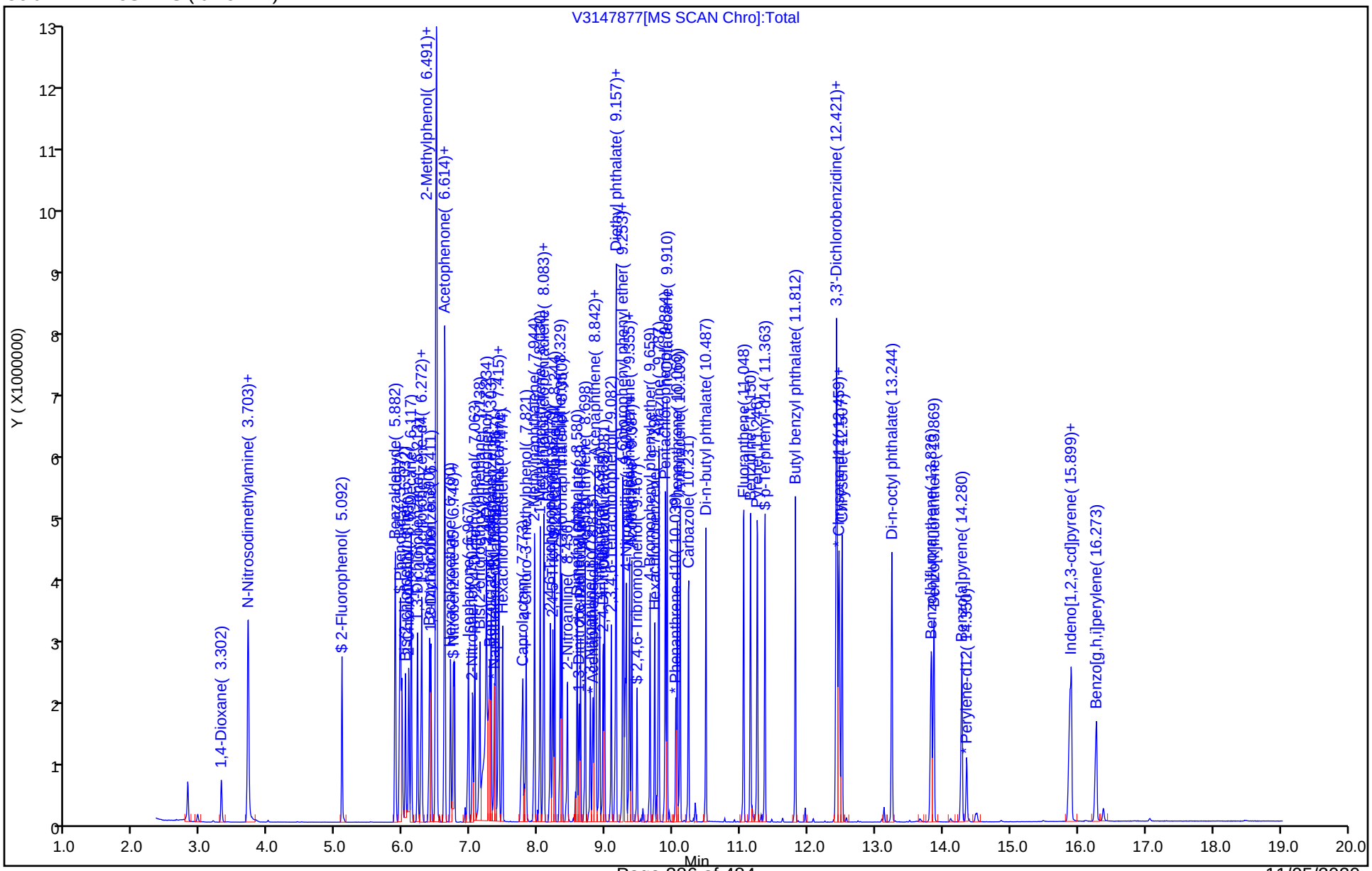
Report Date: 03-Nov-2020 14:19:00 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147877.D

Injection Date:	02-Nov-2020 20:26:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	IC - List 1 - 12			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

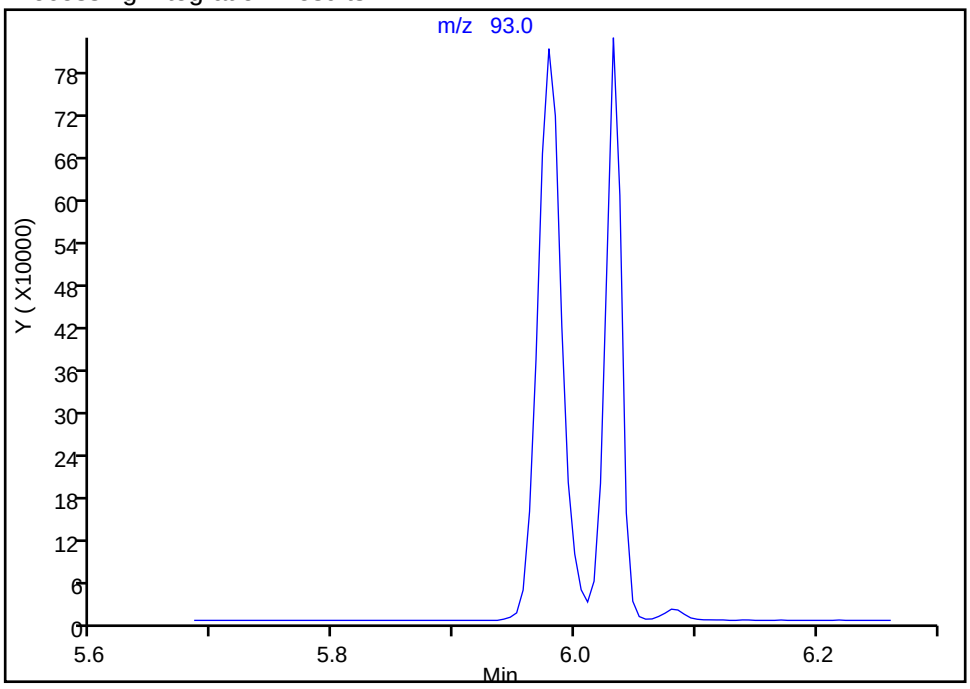
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Injection Date: 02-Nov-2020 20:26:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 12
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

69 Aniline, CAS: 62-53-3

Signal: 1

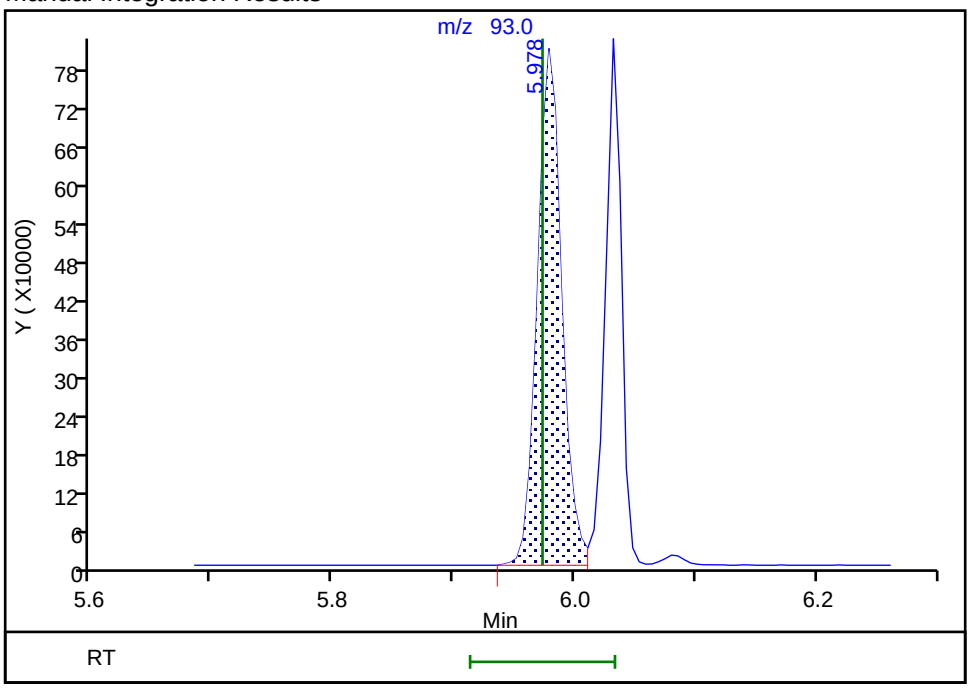
Not Detected
Expected RT: 5.97

Processing Integration Results



Manual Integration Results

RT: 5.98
Area: 1130664
Amount: 11.815632
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:16:54
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

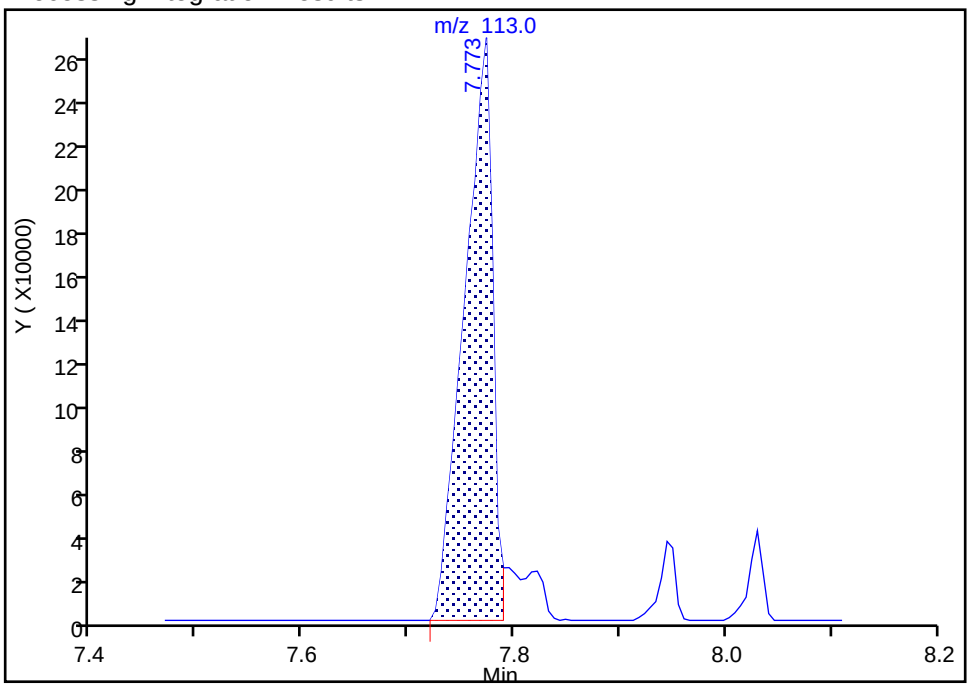
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Injection Date: 02-Nov-2020 20:26:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 12
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

114 Caprolactam, CAS: 105-60-2

Signal: 1

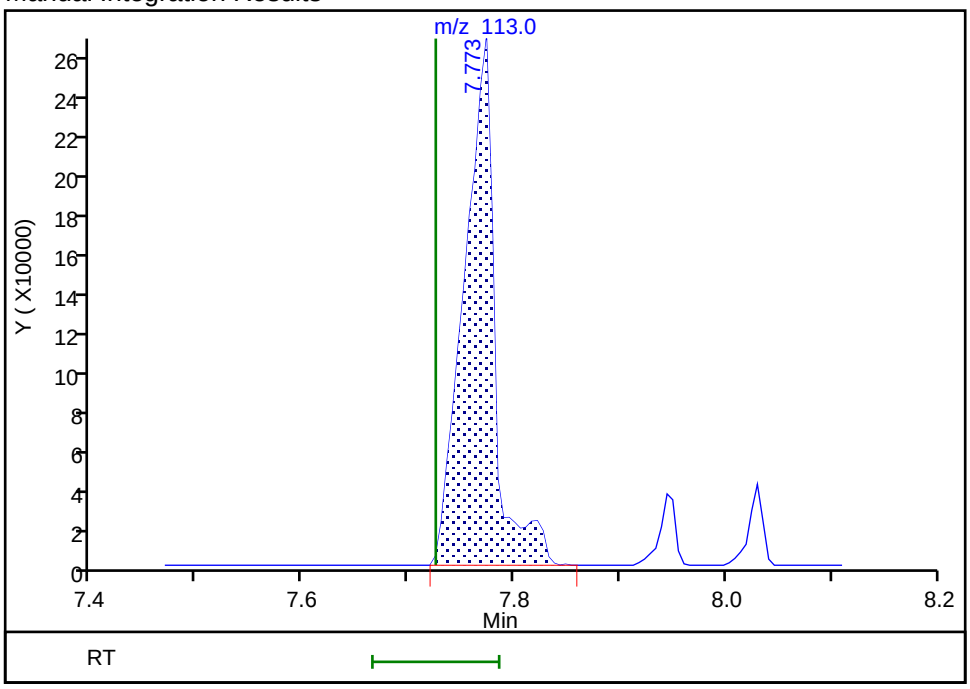
Processing Integration Results

RT: 7.77
Area: 491327
Amount: 25.155375
Amount Units: ng/uL



Manual Integration Results

RT: 7.77
Area: 539580
Amount: 25.419287
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:17:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

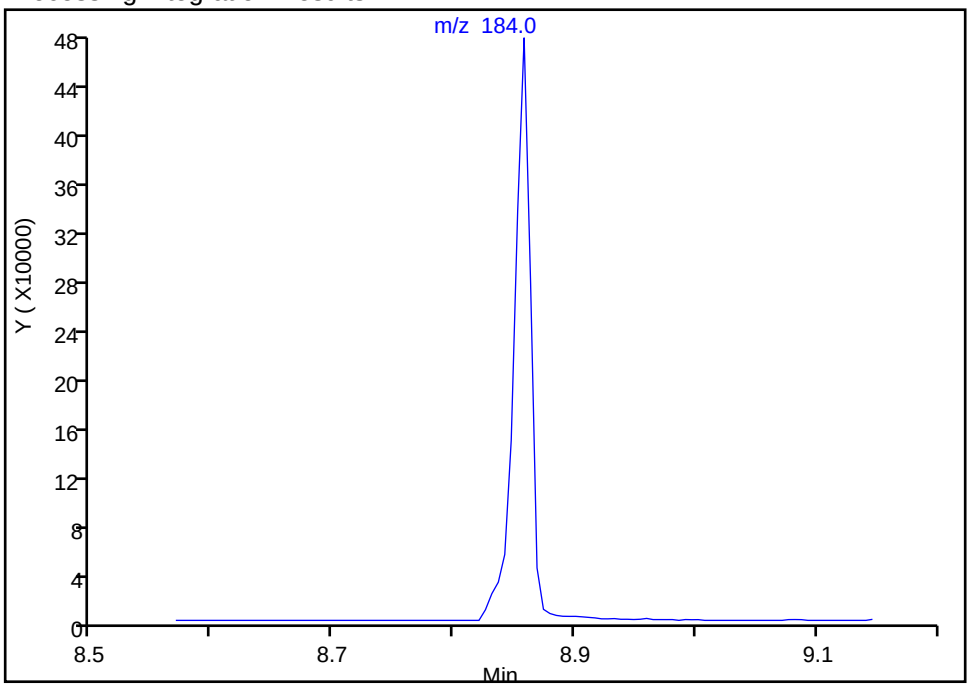
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Injection Date: 02-Nov-2020 20:26:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 12
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

142 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

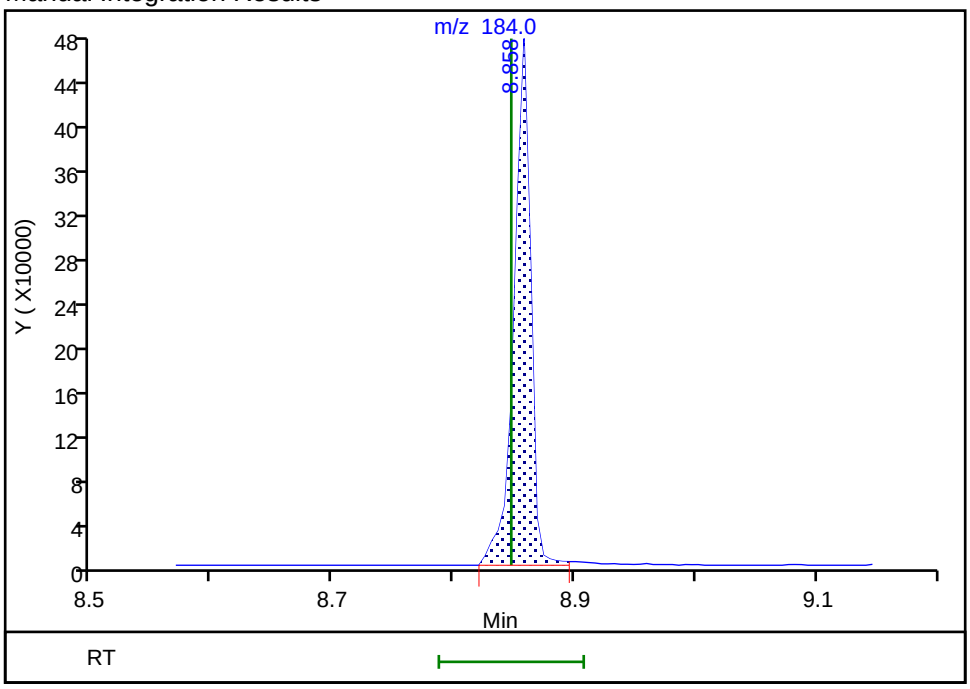
Not Detected
Expected RT: 8.85

Processing Integration Results



Manual Integration Results

RT: 8.86
Area: 455012
Amount: 25.012027
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:18:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D
Lims ID: IC - List 1 - 16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 02-Nov-2020 20:54:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-010
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:19:09 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 11:08:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	97	176779	4.00	4.00	
* 2 Naphthalene-d8	136	7.351	7.351	0.000	99	704768	4.00	4.00	
* 3 Acenaphthene-d10	164	8.815	8.810	0.005	94	382001	4.00	4.00	
* 4 Phenanthrene-d10	188	10.044	10.039	0.005	98	634969	4.00	4.00	
* 5 Chrysene-d12	240	12.475	12.464	0.010	99	540415	4.00	4.00	
* 6 Perylene-d12	264	14.355	14.344	0.011	97	470536	4.00	4.00	
$ 7 2-Fluorophenol	112	5.092	5.086	0.006	95	966157	16.0	15.4	
$ 8 Phenol-d5	99	5.952	5.936	0.016	91	1181763	16.0	15.2	
$ 9 Nitrobenzene-d5	82	6.748	6.737	0.011	91	1051257	16.0	15.9	
$ 10 2-Fluorobiphenyl	172	8.249	8.244	0.005	99	1686994	16.0	14.1	
$ 11 2,4,6-Tribromophenol	330	9.472	9.462	0.010	93	262072	16.0	16.9	
$ 12 p-Terphenyl-d14	244	11.363	11.358	0.005	96	1861253	16.0	13.9	
55 1,4-Dioxane	88	3.307	3.302	0.005	98	401608	16.0	15.7	
53 N-Nitrosodimethylamine	42	3.697	3.681	0.016	92	520602	16.0	16.0	
52 Pyridine	52	3.703	3.703	0.000	85	1568226	32.0	31.8	
71 Benzaldehyde	77	5.882	5.877	0.005	92	1331414	32.0	26.4	
72 Phenol	94	5.962	5.952	0.010	98	1299313	16.0	15.2	
69 Aniline	93	5.984	5.973	0.011	98	1422169	16.0	14.9	a
74 Bis(2-chloroethyl)ether	93	6.037	6.027	0.010	93	1013825	16.0	15.8	
75 2-Chlorophenol	128	6.085	6.075	0.010	97	990734	16.0	15.4	
261 n-Decane	57	6.117	6.117	0.000	90	1267573	16.0	14.3	
78 1,3-Dichlorobenzene	146	6.213	6.208	0.005	96	1042793	16.0	15.3	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	90	1050251	16.0	15.2	
79 Benzyl alcohol	108	6.395	6.379	0.016	93	705520	16.0	16.0	
73 1,2-Dichlorobenzene	146	6.411	6.406	0.005	95	1002756	16.0	14.9	
82 2-Methylphenol	108	6.486	6.475	0.011	92	917203	16.0	15.4	
230 Indene	115	6.497	6.486	0.011	88	4164073	80.0	40.2	
83 2,2'-oxybis[1-chloropropane]	45	6.502	6.491	0.011	92	1447694	16.0	13.4	
86 Acetophenone	105	6.619	6.609	0.010	82	1284098	16.0	15.0	
87 N-Nitrosodi-n-propylamine	70	6.625	6.609	0.016	92	690301	16.0	15.5	
88 4-Methylphenol	108	6.619	6.609	0.010	88	932686	16.0	15.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.700	6.694	0.006	99	439359	16.0	15.5	
85 Nitrobenzene	77	6.764	6.753	0.011	90	1035762	16.0	15.5	
94 Isophorone	82	6.972	6.956	0.016	97	1820617	16.0	15.1	
97 2-Nitrophenol	139	7.031	7.026	0.005	97	536604	16.0	16.4	
99 2,4-Dimethylphenol	107	7.063	7.058	0.005	96	1010366	16.0	15.5	
103 Bis(2-chloroethoxy)methane	93	7.138	7.132	0.006	96	1095394	16.0	15.0	
105 Benzoic acid	105	7.303	7.207	0.096	92	4127131	80.0	85.3	a
106 2,4-Dichlorophenol	162	7.234	7.229	0.005	97	790091	16.0	15.5	
100 1,2,4-Trichlorobenzene	180	7.303	7.298	0.005	94	861121	16.0	15.3	
107 Naphthalene	128	7.373	7.367	0.006	97	2283558	16.0	12.8	
108 4-Chloroaniline	127	7.415	7.405	0.010	95	1063165	16.0	14.8	
115 2,6-Dichlorophenol	162	7.426	7.416	0.010	93	788902	16.0	15.6	
110 Hexachlorobutadiene	225	7.474	7.469	0.005	97	513586	16.0	16.2	
114 Caprolactam	113	7.789	7.725	0.064	78	708873	32.0	34.0	Ma
117 4-Chloro-3-methylphenol	107	7.827	7.811	0.016	97	869293	16.0	16.1	
121 2-Methylnaphthalene	142	7.950	7.944	0.006	89	1688245	16.0	14.1	
236 1-Methylnaphthalene	142	8.030	8.025	0.005	91	1578313	16.0	14.1	
125 Hexachlorocyclopentadiene	237	8.083	8.078	0.005	97	566692	16.0	16.2	
124 1,2,4,5-Tetrachlorobenzene	216	8.089	8.083	0.006	97	785740	16.0	15.2	
127 2,4,6-Trichlorophenol	196	8.185	8.174	0.011	93	600941	16.0	16.7	
129 2,4,5-Trichlorophenol	196	8.222	8.212	0.010	92	566040	16.0	16.0	
130 1,1'-Biphenyl	154	8.334	8.324	0.010	97	1885815	16.0	13.2	
131 2-Chloronaphthalene	162	8.356	8.350	0.006	98	1565375	16.0	14.4	
132 2-Nitroaniline	65	8.436	8.425	0.011	82	598029	16.0	16.4	
134 Dimethyl phthalate	163	8.585	8.569	0.016	97	1630095	16.0	14.3	
139 1,3-Dinitrobenzene	168	8.612	8.596	0.016	87	331099	16.0	16.2	
135 2,6-Dinitrotoluene	165	8.633	8.623	0.010	94	448024	16.0	15.7	
137 Acenaphthylene	152	8.703	8.692	0.011	96	2060380	16.0	13.5	
140 3-Nitroaniline	138	8.778	8.767	0.011	94	473615	16.0	15.5	
141 Acenaphthene	153	8.842	8.837	0.005	96	1582141	16.0	14.1	
142 2,4-Dinitrophenol	184	8.863	8.847	0.016	85	596192	32.0	33.0	a
143 4-Nitrophenol	109	8.917	8.895	0.022	95	582825	32.0	31.2	
144 2,4-Dinitrotoluene	165	8.965	8.954	0.011	94	618219	16.0	16.6	
145 Dibenzofuran	168	8.986	8.981	0.005	94	1951097	16.0	13.6	
147 2,3,4,6-Tetrachlorophenol	232	9.088	9.077	0.011	74	482790	16.0	16.6	
149 Diethyl phthalate	149	9.157	9.146	0.011	96	1619112	16.0	14.2	
240 Hexadecane	57	9.157	9.152	0.005	95	1364219	16.0	13.3	
152 4-Chlorophenyl phenyl ether	204	9.258	9.248	0.010	96	900928	16.0	15.3	
151 Fluorene	166	9.269	9.264	0.005	93	1709076	16.0	14.3	
153 4-Nitroaniline	138	9.296	9.269	0.027	84	480359	16.0	15.6	
154 4,6-Dinitro-2-methylphenol	198	9.312	9.296	0.016	83	735427	32.0	31.9	
160 Diphenylamine	169	9.355	9.344	0.011	92	1293958	13.7	12.6	
157 N-Nitrosodiphenylamine	169	9.355	9.344	0.011	65	1293958	16.0	14.7	
158 Azobenzene	77	9.392	9.381	0.011	94	1715490	16.0	13.4	
159 1,2-Diphenylhydrazine	77	9.392	9.381	0.011	90	1715490	16.0	13.4	
164 4-Bromophenyl phenyl ether	248	9.659	9.654	0.005	69	522704	16.0	15.5	
168 Hexachlorobenzene	284	9.729	9.723	0.006	92	507535	16.0	15.5	
170 Atrazine	200	9.798	9.777	0.021	92	1001922	32.0	29.1	
172 Pentachlorophenol	266	9.889	9.878	0.011	90	724937	32.0	33.1	
266 n-Octadecane	57	9.916	9.910	0.006	96	1424609	16.0	13.6	
177 Phenanthrene	178	10.065	10.055	0.010	95	2258527	16.0	12.6	
180 Anthracene	178	10.108	10.097	0.011	96	2182033	16.0	12.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.231	10.226	0.005	97	1856336	16.0	12.7	
184 Di-n-butyl phthalate	149	10.487	10.482	0.005	96	2214400	16.0	10.7	
191 Fluoranthene	202	11.048	11.043	0.005	94	2314788	16.0	12.3	
192 Benzidine	184	11.150	11.139	0.011	99	2149891	32.0	30.1	
193 Pyrene	202	11.251	11.241	0.010	88	2386531	16.0	12.7	
200 Butyl benzyl phthalate	149	11.817	11.807	0.010	97	1387928	16.0	15.8	
204 3,3'-Dichlorobenzidine	252	12.426	12.405	0.021	75	1681588	32.0	31.9	
206 Bis(2-ethylhexyl) phthalate	149	12.432	12.427	0.005	95	1872607	16.0	14.4	
205 Benzo[a]anthracene	228	12.458	12.448	0.010	97	2487903	16.0	13.8	
207 Chrysene	228	12.512	12.496	0.016	94	2304881	16.0	13.7	
208 Di-n-octyl phthalate	149	13.249	13.233	0.016	97	2767509	16.0	13.5	
209 Benzo[b]fluoranthene	252	13.831	13.816	0.015	97	2333349	16.0	15.5	
211 Benzo[k]fluoranthene	252	13.874	13.853	0.021	95	2286288	16.0	14.9	
213 Benzo[a]pyrene	252	14.286	14.264	0.022	80	1896385	16.0	15.7	
215 Indeno[1,2,3-cd]pyrene	276	15.883	15.862	0.021	97	1885240	16.0	15.9	
216 Dibenz(a,h)anthracene	278	15.910	15.883	0.027	93	1588764	16.0	15.9	
217 Benzo[g,h,i]perylene	276	16.284	16.252	0.032	95	1463391	16.0	15.6	
S 220 Total Cresols	1				0			30.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00465	Amount Added:	1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added:	20.00	Units: uL	Run Reagent

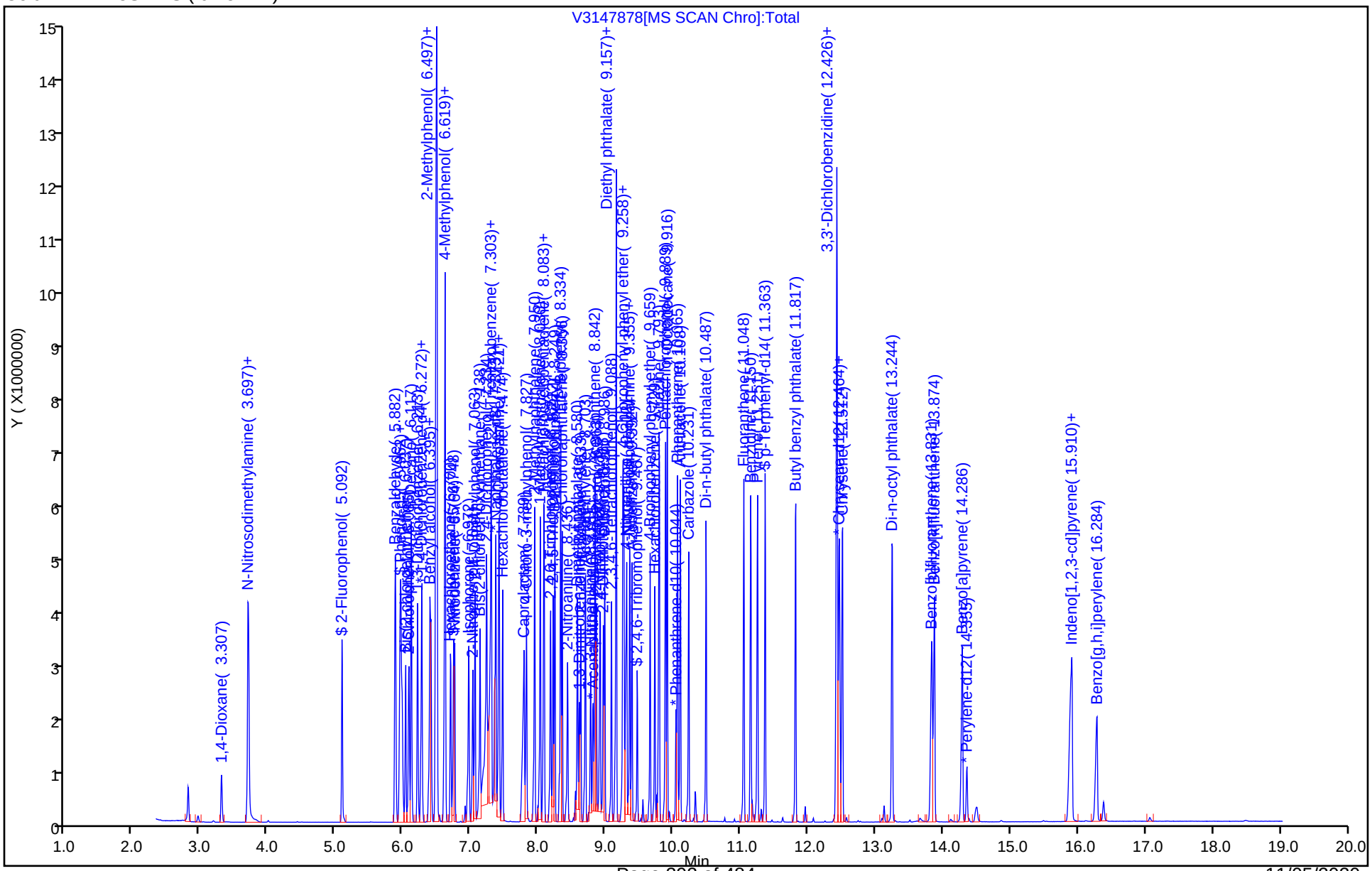
Report Date: 03-Nov-2020 14:19:10 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Injection Date:	02-Nov-2020 20:54:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	IC - List 1 - 16			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

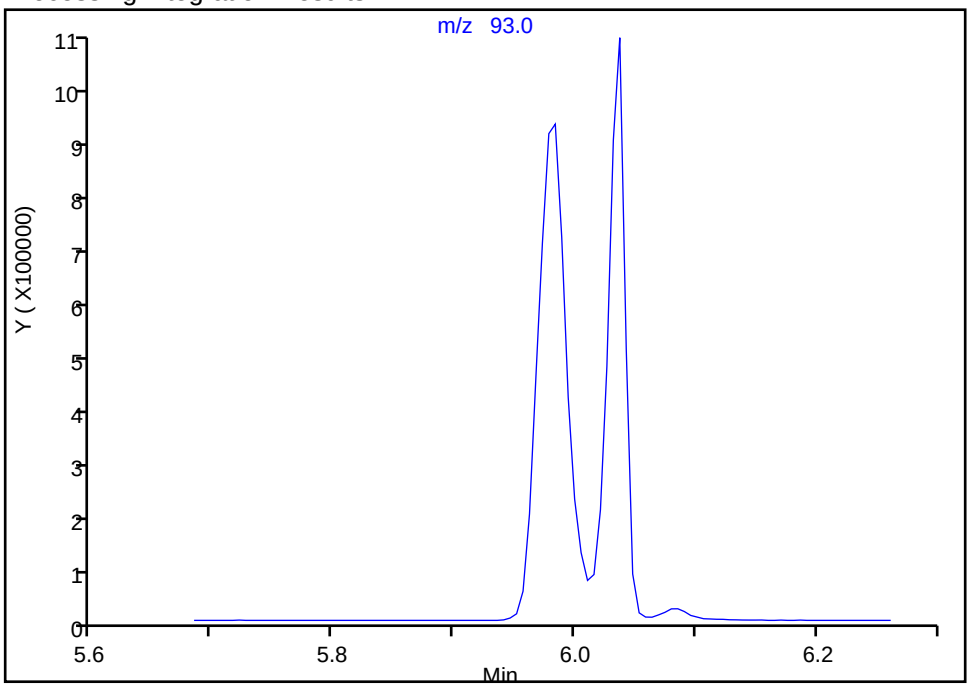
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Injection Date: 02-Nov-2020 20:54:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

69 Aniline, CAS: 62-53-3

Signal: 1

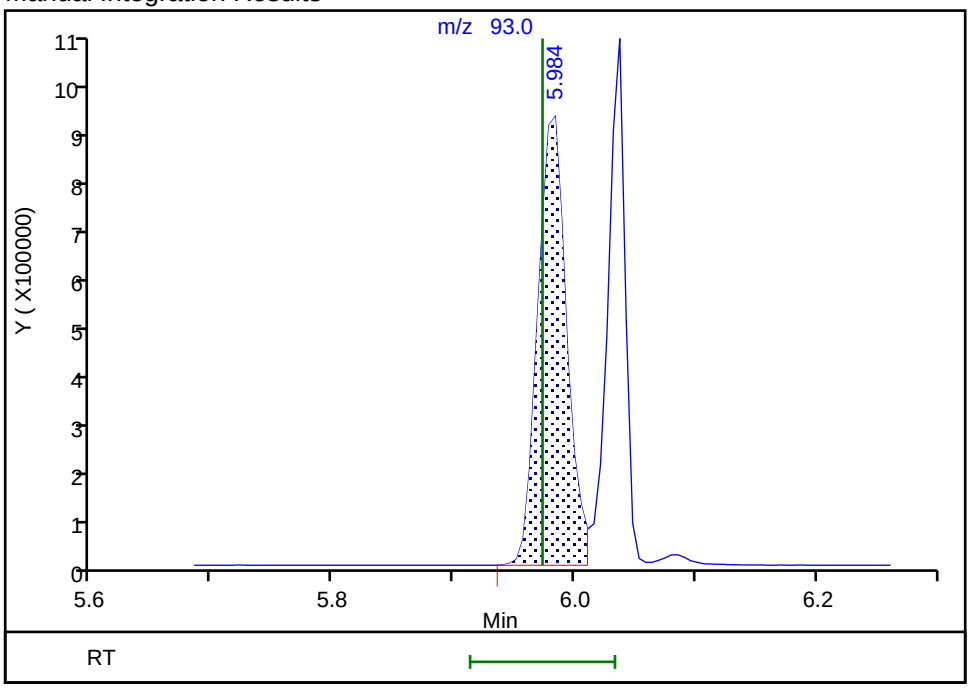
Not Detected
Expected RT: 5.97

Processing Integration Results



Manual Integration Results

RT: 5.98
Area: 1422169
Amount: 14.924961
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:18:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

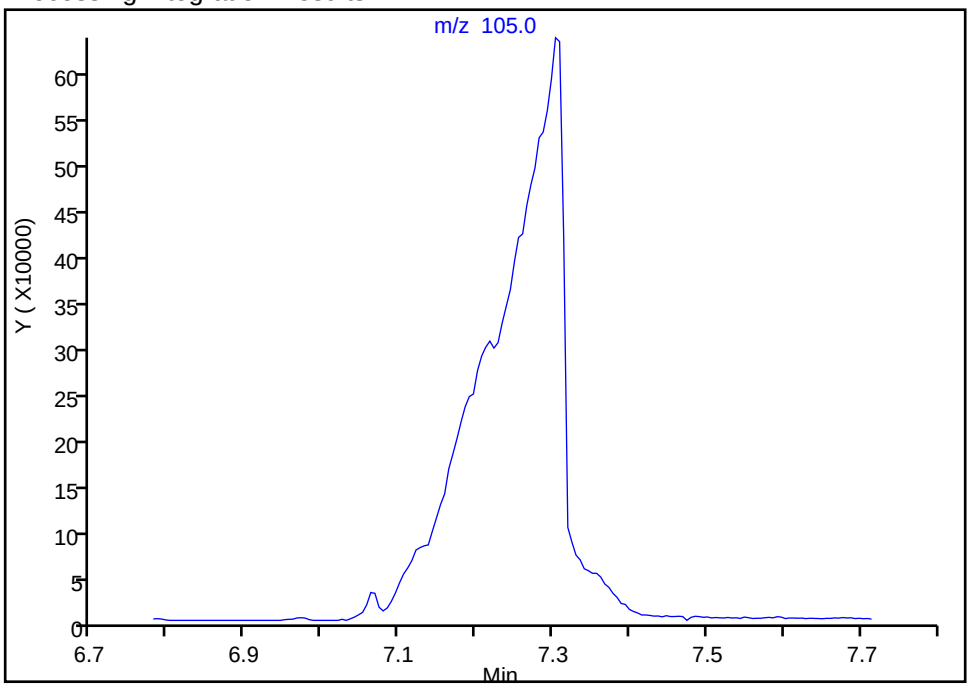
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Injection Date: 02-Nov-2020 20:54:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

105 Benzoic acid, CAS: 65-85-0

Signal: 1

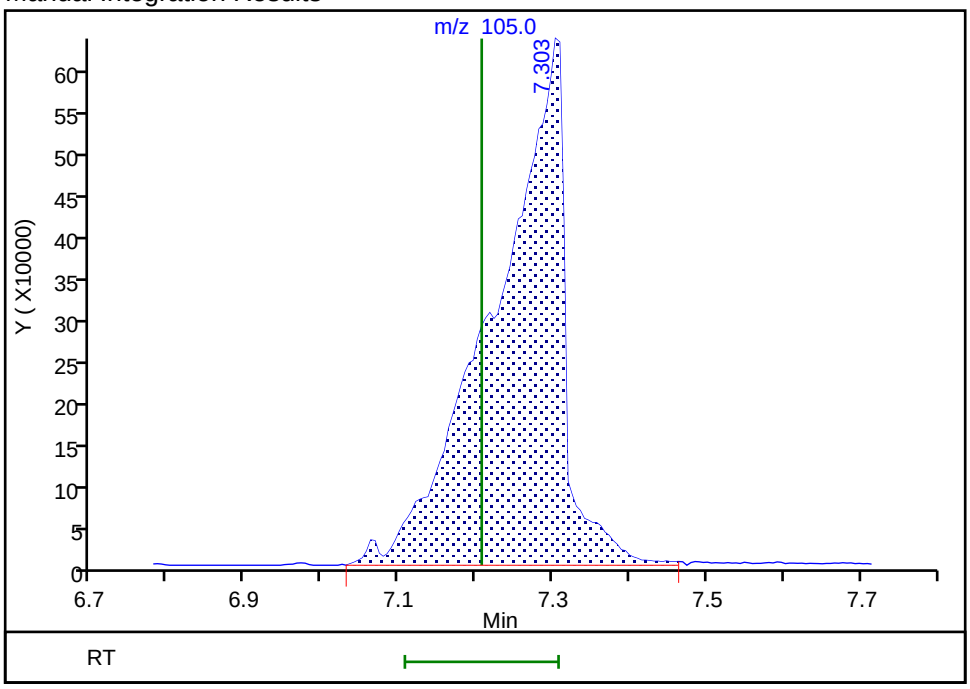
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.30
Area: 4127131
Amount: 85.309022
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:19:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

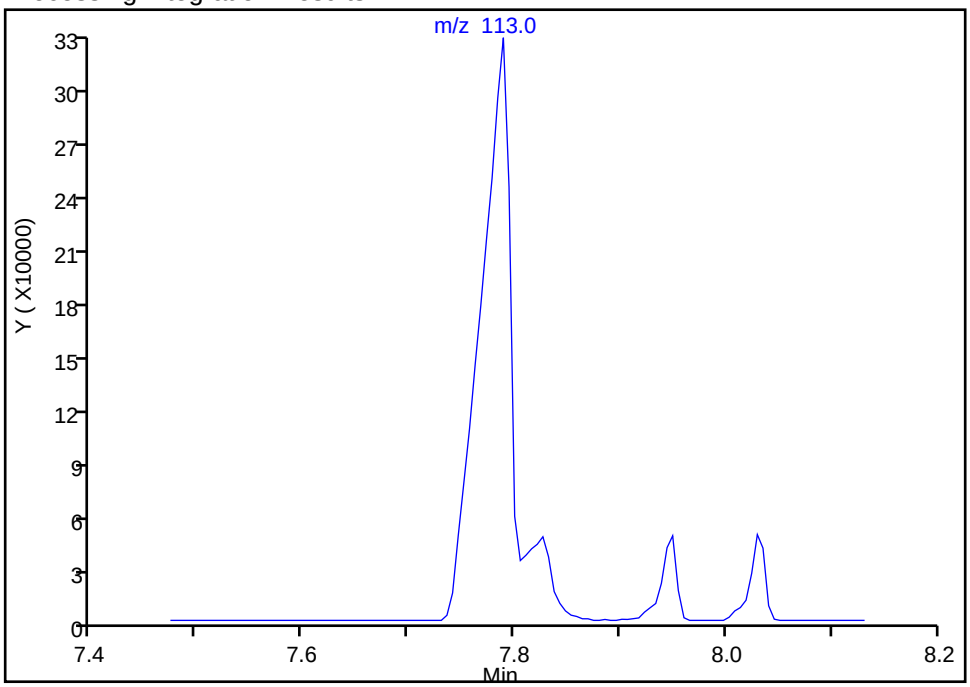
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D
Injection Date: 02-Nov-2020 20:54:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

114 Caprolactam, CAS: 105-60-2

Signal: 1

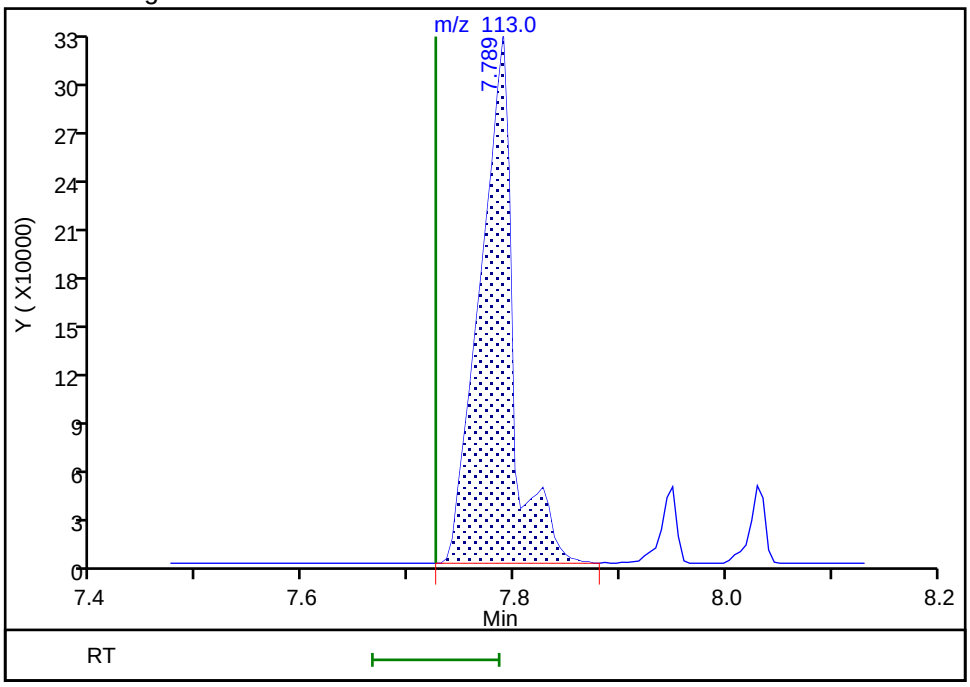
Not Detected
Expected RT: 7.73

Processing Integration Results



Manual Integration Results

RT: 7.79
Area: 708873
Amount: 33.981643
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:19:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

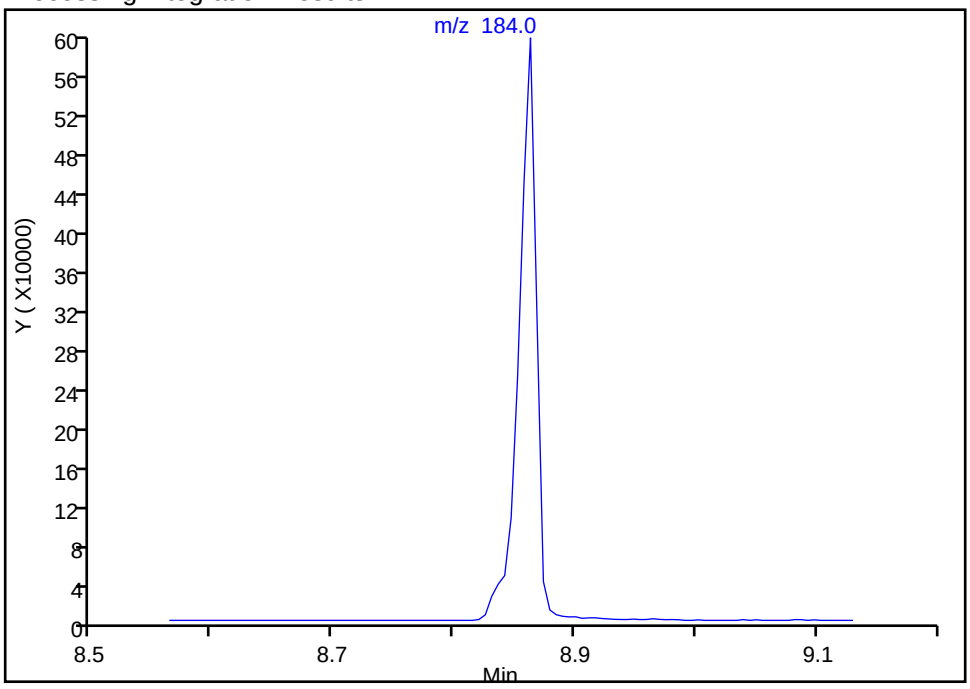
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D
Injection Date: 02-Nov-2020 20:54:30 Instrument ID: HP5973V
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

142 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

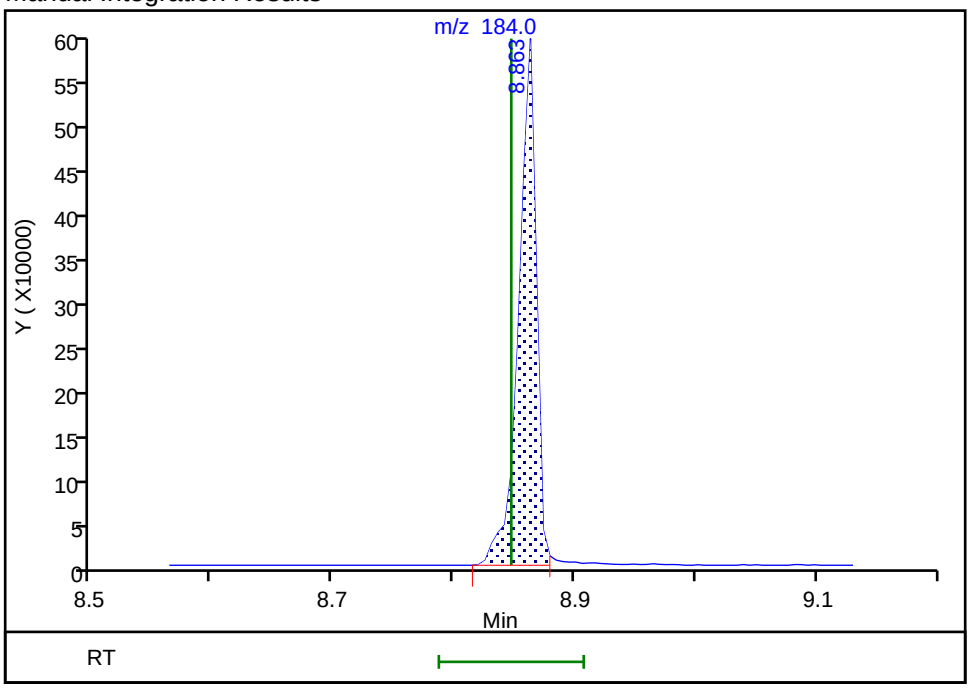
Not Detected
Expected RT: 8.85

Processing Integration Results



Manual Integration Results

RT: 8.86
Area: 596192
Amount: 33.027388
Amount Units: ng/uL



Reviewer: marshallj, 03-Nov-2020 10:20:01
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID (1): ICIS 480-556960/7 Instrument ID (1): HP5973V

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 11/02/2020 19:30

ANALYTE	RT	RESOLUTION (%)
Benzo(b)fluoranthene	13.82	20.80

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID (1): CCVIS 480-556960/12 Instrument ID (1): HP5973V

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 11/02/2020 21:49

ANALYTE	RT	RESOLUTION (%)
Benzo(b)fluoranthene	13.82	24.00

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID (1): CCVIS 480-556964/3 Instrument ID (1): HP5973V

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 11/03/2020 05:35

ANALYTE	RT	RESOLUTION (%)
Benzo(b)fluoranthene	13.82	21.20

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID (1): CCVIS 480-557147/3 Instrument ID (1): HP5973V

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 11/04/2020 01:55

ANALYTE	RT	RESOLUTION (%)
Benzo(b)fluoranthene	13.81	23.70

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: ICV 480-556960/11 Calibration Date: 11/02/2020 21:22

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147879.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5771	0.6212	0.0100	4310	4000	7.7	30.0
N-Nitrosodimethylamine	Ave	0.7381	0.8138	0.0100	4410	4000	10.3	50.0
Pyridine	Ave	1.116	1.066	0.0100	7640	8000	-4.5	50.0
Benzaldehyde	Ave	1.143	1.228	0.0100	8600	8000	7.5	50.0
Phenol	Ave	1.932	2.094	0.8000	4330	4000	8.4	30.0
Aniline	Ave	2.156	2.346	0.0100	4350	4000	8.8	30.0
Bis(2-chloroethyl)ether	Ave	1.451	1.550	0.7000	4270	4000	6.8	30.0
2-Chlorophenol	Ave	1.458	1.551	0.8000	4260	4000	6.4	30.0
n-Decane	Ave	2.002	2.107	0.0100	4210	4000	5.2	30.0
1,3-Dichlorobenzene	Ave	1.546	1.646	0.0100	4260	4000	6.5	30.0
1,4-Dichlorobenzene	Ave	1.563	1.684	0.0100	4310	4000	7.8	30.0
Benzyl alcohol	Ave	0.999	1.079	0.0100	4320	4000	8.0	30.0
1,2-Dichlorobenzene	Ave	1.523	1.569	0.0100	4120	4000	3.0	30.0
2-Methylphenol	Ave	1.347	1.470	0.7000	4370	4000	9.1	30.0
Indene	Ave	0.5875	0.6593	0.0100	22400	20000	12.2	30.0
bis (2-chloroisopropyl) ether	Ave	2.450	2.564	0.0100	4190	4000	4.6	30.0
4-Methylphenol	Ave	1.396	1.533	0.6000	4390	4000	9.8	30.0
Acetophenone	Ave	1.943	2.137	0.0100	4400	4000	10.0	30.0
N-Nitrosodi-n-propylamine	Ave	1.010	1.100	0.5000	4350	4000	8.9	30.0
Hexachloroethane	Ave	0.6430	0.6709	0.3000	4170	4000	4.3	30.0
Nitrobenzene	Ave	0.3785	0.4133	0.2000	4370	4000	9.2	30.0
Isophorone	Ave	0.6865	0.7524	0.4000	4380	4000	9.6	30.0
2-Nitrophenol	Ave	0.1862	0.2112	0.1000	4540	4000	13.4	30.0
2,4-Dimethylphenol	Ave	0.3689	0.4032	0.2000	4370	4000	9.3	30.0
Bis(2-chloroethoxy)methane	Ave	0.4149	0.4594	0.3000	4430	4000	10.7	30.0
Benzoic acid	Lin2		0.3488	0.0100	26300	20000	31.5	50.0
2,4-Dichlorophenol	Ave	0.2891	0.3168	0.2000	4380	4000	9.6	30.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3405	0.0100	4270	4000	6.8	30.0
Naphthalene	Ave	1.016	1.126	0.7000	4430	4000	10.8	30.0
4-Chloroaniline	Ave	0.4085	0.4556	0.0100	4460	4000	11.5	30.0
2,6-Dichlorophenol	Ave	0.2868	0.3156	0.0100	4400	4000	10.0	30.0
Hexachlorobutadiene	Ave	0.1803	0.2008	0.0100	4460	4000	11.4	30.0
Caprolactam	Lin2		0.1245	0.0100	8460	8000	5.8	50.0
4-Chloro-3-methylphenol	Ave	0.3056	0.3440	0.2000	4500	4000	12.6	30.0
2-Methylnaphthalene	Ave	0.6813	0.7372	0.4000	4330	4000	8.2	30.0
1-Methylnaphthalene	Ave	0.6352	0.7074	0.0100	4460	4000	11.4	30.0
Hexachlorocyclopentadiene	Ave	0.3667	0.3832	0.0500	4180	4000	4.5	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5403	0.5943	0.0100	4400	4000	10.0	30.0
2,4,6-Trichlorophenol	Ave	0.3769	0.4181	0.2000	4440	4000	10.9	30.0
2,4,5-Trichlorophenol	Lin2		0.3970	0.2000	4300	4000	7.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: ICV 480-556960/11 Calibration Date: 11/02/2020 21:22

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147879.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.499	1.698	0.0100	4530	4000	13.3	30.0
2-Chloronaphthalene	Ave	1.140	1.249	0.8000	4380	4000	9.5	30.0
2-Nitroaniline	Lin2		0.4255	0.0100	4480	4000	11.9	30.0
Dimethyl phthalate	Ave	1.192	1.384	0.0100	4640	4000	16.1	30.0
1,3-Dinitrobenzene	Lin2		0.1300	0.0100	4530	4000	13.3	30.0
2,6-Dinitrotoluene	Lin2		0.3266	0.2000	4400	4000	10.0	30.0
Acenaphthylene	Ave	1.598	1.869	0.9000	4680	4000	17.0	30.0
3-Nitroaniline	Lin2		0.3559	0.0100	4490	4000	12.4	30.0
Acenaphthene	Ave	1.172	1.297	0.9000	4430	4000	10.6	30.0
2,4-Dinitrophenol	Lin2		0.1856	0.0100	8330	8000	4.1	30.0
4-Nitrophenol	Lin2		0.2087	0.0100	8690	8000	8.6	30.0
2,4-Dinitrotoluene	Lin2		0.4417	0.2000	4540	4000	13.6	30.0
Dibenzofuran	Ave	1.504	1.690	0.8000	4490	4000	12.3	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3489	0.0100	4610	4000	15.1	30.0
Diethyl phthalate	Ave	1.192	1.380	0.0100	4630	4000	15.8	30.0
Hexadecane	Ave	0.6438	0.6798	0.0100	4220	4000	5.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6181	0.6882	0.4000	4450	4000	11.3	30.0
Fluorene	Ave	1.247	1.408	0.9000	4520	4000	12.9	30.0
4-Nitroaniline	Lin1		0.3768	0.0100	4670	4000	16.8	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1590	0.0100	9060	8000	13.2	30.0
Diphenylamine	Ave	0.6474	0.7074	0.0100	3740	3420	9.3	30.0
N-Nitrosodiphenylamine	Ave	0.5535	0.6048	0.0100	4370	4000	9.3	30.0
1,2-Diphenylhydrazine	Ave	0.8055	0.8963	0.0100	4450	4000	11.3	30.0
trans-Azobenzene	Ave	0.8055	0.8963	0.0100	4450	4000	11.3	30.0
4-Bromophenyl phenyl ether	Lin2		0.2285	0.1000	4300	4000	7.6	30.0
Hexachlorobenzene	Ave	0.2059	0.2220	0.1000	4310	4000	7.8	30.0
Atrazine	Ave	0.3599	0.4151	0.0100	9230	8000	15.3	30.0
Pentachlorophenol	Lin2		0.1500	0.0500	8820	8000	10.2	30.0
n-Octadecane	Ave	0.6619	0.7106	0.0100	4290	4000	7.3	30.0
Phenanthrene	Ave	1.128	1.226	0.7000	4350	4000	8.7	30.0
Anthracene	Ave	1.131	1.259	0.7000	4450	4000	11.3	30.0
Carbazole	Ave	0.9233	0.9547	0.0100	4140	4000	3.4	30.0
Di-n-butyl phthalate	Ave	1.307	1.399	0.0100	4280	4000	7.1	30.0
Fluoranthene	Ave	1.185	1.320	0.6000	4460	4000	11.4	30.0
Benzidine	Ave	0.5294	0.5204	0.0100	7860	8000	-1.7	50.0
Pyrene	Ave	1.386	1.462	0.6000	4220	4000	5.5	30.0
Butyl benzyl phthalate	Ave	0.6520	0.7036	0.0100	4320	4000	7.9	30.0
3,3'-Dichlorobenzidine	Ave	0.3906	0.4352	0.0100	8910	8000	11.4	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.9639	1.018	0.0100	4230	4000	5.6	30.0
Benzo(a)anthracene	Ave	1.333	1.387	0.8000	4160	4000	4.1	30.0
Chrysene	Ave	1.249	1.279	0.7000	4100	4000	2.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: ICV 480-556960/11 Calibration Date: 11/02/2020 21:22

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147879.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.520	1.646	0.0100	4330	4000	8.3	30.0
Benzo(b)fluoranthene	Ave	1.278	1.526	0.7000	4780	4000	19.4	30.0
Benzo(k)fluoranthene	Ave	1.303	1.510	0.7000	4640	4000	15.9	30.0
Benzo(a)pyrene	Ave	1.029	1.324	0.7000	5150	4000	28.7	30.0
Indeno(1,2,3-cd)pyrene	Ave	1.008	1.157	0.5000	4590	4000	14.8	30.0
Dibenz(a,h)anthracene	Ave	0.8492	0.996	0.4000	4690	4000	17.2	30.0
Benzo(g,h,i)perylene	Ave	0.7993	0.9117	0.5000	4560	4000	14.1	30.0
2-Fluorophenol	Ave	1.416	1.431	0.0100	8080	8000	1.0	30.0
Phenol-d5	Ave	1.764	1.751	0.0100	7940	8000	-0.7	30.0
Nitrobenzene-d5	Ave	0.3754	0.3973	0.0100	4230	4000	5.8	30.0
2-Fluorobiphenyl	Ave	1.252	1.399	0.0100	4470	4000	11.7	30.0
2,4,6-Tribromophenol	Ave	0.0978	0.1036	0.0100	8470	8000	5.8	30.0
p-Terphenyl-d14	Ave	0.9943	0.9349	0.0100	3760	4000	-6.0	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147879.D
Lims ID: ICV - List 1 - 4
Client ID:
Sample Type: ICV
Inject. Date: 02-Nov-2020 21:22:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-011
Operator ID: JM Instrument ID: HP5973V
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:22:51 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 10:21:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	178337	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	700900	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	378765	4.00	4.00	
* 4 Phenanthrene-d10	188	10.039	10.039	-0.001	97	633458	4.00	4.00	
* 5 Chrysene-d12	240	12.464	12.464	0.000	99	593194	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.350	-0.006	96	443133	4.00	4.00	
$ 7 2-Fluorophenol	112	5.092	5.092	0.000	94	510239	8.00	8.08	
$ 8 Phenol-d5	99	5.941	5.936	0.005	91	624683	8.00	7.94	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	90	278468	4.00	4.23	
$ 10 2-Fluorobiphenyl	172	8.244	8.238	0.006	100	529752	4.00	4.47	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	93	131197	8.00	8.47	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	99	554575	4.00	3.76	
55 1,4-Dioxane	88	3.313	3.307	0.006	99	110788	4.00	4.31	
53 N-Nitrosodimethylamine	42	3.687	3.687	0.000	92	145135	4.00	4.41	
52 Pyridine	52	3.708	3.708	0.000	88	380040	8.00	7.64	
71 Benzaldehyde	77	5.877	5.877	0.000	94	438159	8.00	8.60	
72 Phenol	94	5.952	5.946	0.006	98	373430	4.00	4.33	
69 Aniline	93	5.973	5.973	0.000	97	418324	4.00	4.35	
74 Bis(2-chloroethyl)ether	93	6.026	6.027	0.000	95	276357	4.00	4.27	
75 2-Chlorophenol	128	6.080	6.075	0.005	97	276663	4.00	4.26	
261 n-Decane	57	6.117	6.117	0.000	93	375725	4.00	4.21	
78 1,3-Dichlorobenzene	146	6.208	6.208	0.000	97	293631	4.00	4.26	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	93	300402	4.00	4.31	
79 Benzyl alcohol	108	6.384	6.379	0.005	93	192344	4.00	4.32	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	96	279766	4.00	4.12	
82 2-Methylphenol	108	6.475	6.475	0.000	92	262097	4.00	4.37	
230 Indene	115	6.486	6.486	0.000	90	2310654	20.0	22.4	
83 2,2'-oxybis[1-chloropropane]	45	6.497	6.491	0.006	92	457233	4.00	4.19	
87 N-Nitrosodi-n-propylamine	70	6.609	6.603	0.006	94	196174	4.00	4.35	
88 4-Methylphenol	108	6.609	6.603	0.006	69	273381	4.00	4.39	
86 Acetophenone	105	6.609	6.603	0.006	83	381171	4.00	4.40	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.700	6.700	0.000	98	119644	4.00	4.17	
85 Nitrobenzene	77	6.753	6.753	0.000	89	289684	4.00	4.37	
94 Isophorone	82	6.956	6.956	0.000	99	527356	4.00	4.38	
97 2-Nitrophenol	139	7.025	7.026	-0.001	97	148020	4.00	4.54	
99 2,4-Dimethylphenol	107	7.058	7.052	0.006	95	282616	4.00	4.37	
105 Benzoic acid	105	7.223	7.122	0.101	90	1222290	20.0	26.3	
103 Bis(2-chloroethoxy)methane	93	7.132	7.127	0.005	97	321997	4.00	4.43	
106 2,4-Dichlorophenol	162	7.228	7.223	0.005	97	222070	4.00	4.38	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	95	238678	4.00	4.27	
107 Naphthalene	128	7.367	7.367	0.000	98	789476	4.00	4.43	
108 4-Chloroaniline	127	7.405	7.405	0.000	96	319350	4.00	4.46	
115 2,6-Dichlorophenol	162	7.415	7.415	0.000	95	221187	4.00	4.40	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	96	140742	4.00	4.46	
114 Caprolactam	113	7.725	7.677	0.048	77	174495	8.00	8.46	
117 4-Chloro-3-methylphenol	107	7.811	7.805	0.006	98	241140	4.00	4.50	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	92	516735	4.00	4.33	
236 1-Methylnaphthalene	142	8.024	8.025	0.000	93	495829	4.00	4.46	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	97	145128	4.00	4.18	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	225117	4.00	4.40	
127 2,4,6-Trichlorophenol	196	8.174	8.174	0.000	93	158358	4.00	4.44	
129 2,4,5-Trichlorophenol	196	8.211	8.206	0.005	92	150368	4.00	4.30	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	95	643162	4.00	4.53	
131 2-Chloronaphthalene	162	8.350	8.345	0.005	97	472914	4.00	4.38	
132 2-Nitroaniline	65	8.425	8.425	0.000	83	161146	4.00	4.48	
134 Dimethyl phthalate	163	8.569	8.564	0.005	99	524148	4.00	4.64	
139 1,3-Dinitrobenzene	168	8.596	8.591	0.005	86	91087	4.00	4.53	
135 2,6-Dinitrotoluene	165	8.617	8.618	-0.001	95	123723	4.00	4.40	
137 Acenaphthylene	152	8.692	8.692	0.000	98	707856	4.00	4.68	
140 3-Nitroaniline	138	8.767	8.762	0.005	94	134802	4.00	4.49	
141 Acenaphthene	153	8.837	8.837	-0.001	92	491070	4.00	4.43	
142 2,4-Dinitrophenol	184	8.847	8.842	0.005	83	140630	8.00	8.33	
143 4-Nitrophenol	109	8.895	8.890	0.005	94	158110	8.00	8.69	
144 2,4-Dinitrotoluene	165	8.954	8.949	0.005	94	167300	4.00	4.54	
145 Dibenzofuran	168	8.981	8.975	0.006	97	639925	4.00	4.49	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	74	132154	4.00	4.61	
149 Diethyl phthalate	149	9.146	9.141	0.005	98	522601	4.00	4.63	
240 Hexadecane	57	9.152	9.152	0.000	91	430647	4.00	4.22	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	97	260664	4.00	4.45	
151 Fluorene	166	9.264	9.259	0.005	95	533299	4.00	4.52	
153 4-Nitroaniline	138	9.275	9.264	0.011	85	142704	4.00	4.67	
154 4,6-Dinitro-2-methylphenol	198	9.296	9.291	0.005	85	201408	8.00	9.06	
160 Diphenylamine	169	9.344	9.344	0.000	95	383143	3.42	3.74	
157 N-Nitrosodiphenylamine	169	9.344	9.344	0.000	62	383143	4.00	4.37	
158 Azobenzene	77	9.381	9.381	0.000	98	567752	4.00	4.45	
159 1,2-Diphenylhydrazine	77	9.381	9.381	0.000	96	567752	4.00	4.45	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	69	144759	4.00	4.30	
168 Hexachlorobenzene	284	9.723	9.723	0.000	92	140634	4.00	4.31	
170 Atrazine	200	9.777	9.771	0.006	91	314484	8.00	9.23	
172 Pentachlorophenol	266	9.878	9.878	0.000	91	190030	8.00	8.82	
266 n-Octadecane	57	9.910	9.910	0.000	93	450112	4.00	4.29	
177 Phenanthrene	178	10.060	10.055	0.005	98	776471	4.00	4.35	
180 Anthracene	178	10.097	10.097	0.000	99	797267	4.00	4.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.225	10.220	0.005	96	604732	4.00	4.14	
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	100	886138	4.00	4.28	
191 Fluoranthene	202	11.043	11.038	0.005	98	836479	4.00	4.46	
192 Benzidine	184	11.139	11.139	0.000	99	617344	8.00	7.86	
193 Pyrene	202	11.241	11.241	-0.001	97	867379	4.00	4.22	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	98	417372	4.00	4.32	
204 3,3'-Dichlorobenzidine	252	12.410	12.400	0.010	75	516349	8.00	8.91	
206 Bis(2-ethylhexyl) phthalate	149	12.426	12.427	-0.001	97	603958	4.00	4.23	
205 Benzo[a]anthracene	228	12.448	12.448	0.000	98	823036	4.00	4.16	
207 Chrysene	228	12.496	12.491	0.005	97	758672	4.00	4.10	
208 Di-n-octyl phthalate	149	13.239	13.233	0.005	99	976181	4.00	4.33	
209 Benzo[b]fluoranthene	252	13.815	13.805	0.010	98	676164	4.00	4.78	
211 Benzo[k]fluoranthene	252	13.853	13.842	0.011	98	669161	4.00	4.64	
213 Benzo[a]pyrene	252	14.270	14.259	0.011	79	586685	4.00	5.15	
215 Indeno[1,2,3-cd]pyrene	276	15.862	15.856	0.006	97	512814	4.00	4.59	
216 Dibenz(a,h)anthracene	278	15.883	15.878	0.005	91	441185	4.00	4.69	
217 Benzo[g,h,i]perylene	276	16.252	16.241	0.011	96	404020	4.00	4.56	

QC Flag Legend

Processing Flags

Reagents:

MB_L1SSLV_WRK_00036	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

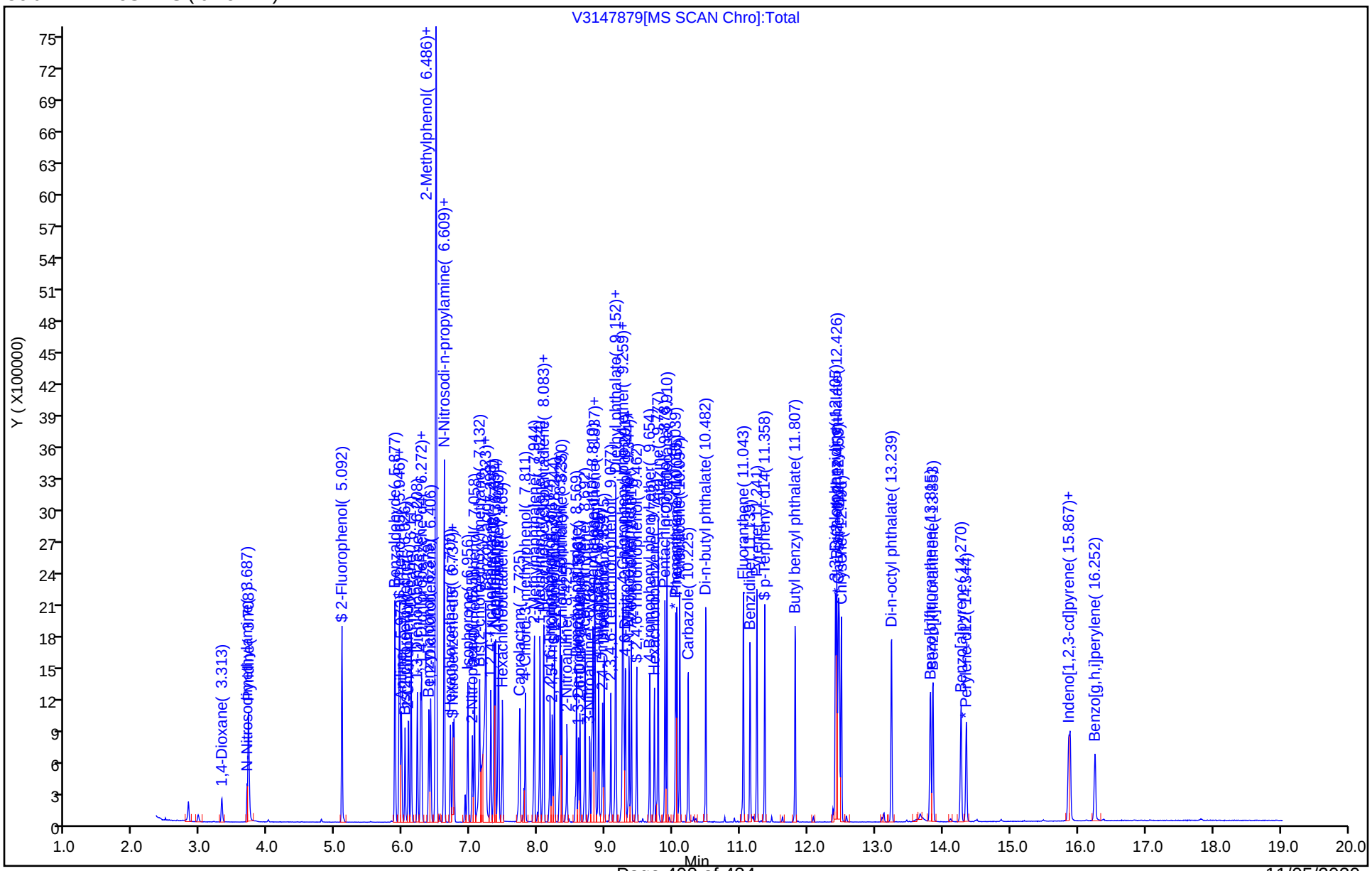
Report Date: 03-Nov-2020 14:22:56 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147879.D

Injection Date:	02-Nov-2020 21:22:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	ICV - List 1 - 4			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556960/12 Calibration Date: 11/02/2020 21:49

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147880.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5771	0.5881	0.0100	4080	4000	1.9	20.0
N-Nitrosodimethylamine	Ave	0.7381	0.7506	0.0100	4070	4000	1.7	50.0
Pyridine	Ave	1.116	1.148	0.0100	8230	8000	2.9	50.0
Benzaldehyde	Ave	1.143	1.143	0.0100	8000	8000	-0.0	50.0
Phenol	Ave	1.932	1.958	0.8000	4050	4000	1.3	20.0
Aniline	Ave	2.156	2.196	0.0100	4070	4000	1.8	20.0
Bis(2-chloroethyl)ether	Ave	1.451	1.439	0.7000	3970	4000	-0.8	20.0
2-Chlorophenol	Ave	1.458	1.477	0.8000	4050	4000	1.3	20.0
n-Decane	Ave	2.002	2.009	0.0100	4010	4000	0.3	20.0
1,3-Dichlorobenzene	Ave	1.546	1.563	0.0100	4040	4000	1.1	20.0
1,4-Dichlorobenzene	Ave	1.563	1.576	0.0100	4030	4000	0.8	20.0
Benzyl alcohol	Ave	0.999	0.9903	0.0100	3970	4000	-0.8	20.0
1,2-Dichlorobenzene	Ave	1.523	1.502	0.0100	3950	4000	-1.3	20.0
2-Methylphenol	Ave	1.347	1.350	0.7000	4010	4000	0.2	20.0
Indene	Ave	0.5875	0.5433	0.0100	18500	20000	-7.5	20.0
bis (2-chloroisopropyl) ether	Ave	2.450	2.497	0.0100	4080	4000	1.9	20.0
4-Methylphenol	Ave	1.396	1.426	0.6000	4090	4000	2.2	20.0
Acetophenone	Ave	1.943	1.963	0.0100	4040	4000	1.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.010	1.022	0.5000	4050	4000	1.2	20.0
Hexachloroethane	Ave	0.6430	0.6301	0.3000	3920	4000	-2.0	20.0
Nitrobenzene	Ave	0.3785	0.3932	0.2000	4160	4000	3.9	20.0
Isophorone	Ave	0.6865	0.6969	0.4000	4060	4000	1.5	20.0
2-Nitrophenol	Ave	0.1862	0.1889	0.1000	4060	4000	1.4	20.0
2,4-Dimethylphenol	Ave	0.3689	0.3760	0.2000	4080	4000	1.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.4149	0.4196	0.3000	4050	4000	1.1	20.0
Benzoic acid	Lin2		0.2437	0.0100	18800	20000	-6.1	50.0
2,4-Dichlorophenol	Ave	0.2891	0.2933	0.2000	4060	4000	1.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3280	0.0100	4120	4000	2.9	20.0
Naphthalene	Ave	1.016	1.075	0.7000	4230	4000	5.8	20.0
4-Chloroaniline	Ave	0.4085	0.4248	0.0100	4160	4000	4.0	20.0
2,6-Dichlorophenol	Ave	0.2868	0.2951	0.0100	4110	4000	2.9	20.0
Hexachlorobutadiene	Ave	0.1803	0.1864	0.0100	4140	4000	3.4	20.0
Caprolactam	Lin2		0.1184	0.0100	8050	8000	0.7	50.0
4-Chloro-3-methylphenol	Ave	0.3056	0.3177	0.2000	4160	4000	4.0	20.0
2-Methylnaphthalene	Ave	0.6813	0.6994	0.4000	4110	4000	2.7	20.0
1-Methylnaphthalene	Ave	0.6352	0.6367	0.0100	4010	4000	0.2	20.0
Hexachlorocyclopentadiene	Ave	0.3667	0.3712	0.0500	4050	4000	1.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5403	0.5560	0.0100	4120	4000	2.9	20.0
2,4,6-Trichlorophenol	Ave	0.3769	0.3851	0.2000	4090	4000	2.2	20.0
2,4,5-Trichlorophenol	Lin2		0.3755	0.2000	4070	4000	1.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556960/12 Calibration Date: 11/02/2020 21:49

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147880.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.499	1.574	0.0100	4200	4000	5.0	20.0
2-Chloronaphthalene	Ave	1.140	1.164	0.8000	4080	4000	2.0	20.0
2-Nitroaniline	Lin2		0.3967	0.0100	4180	4000	4.4	20.0
Dimethyl phthalate	Ave	1.192	1.313	0.0100	4410	4000	10.2	20.0
1,3-Dinitrobenzene	Lin2		0.1157	0.0100	4040	4000	1.0	20.0
2,6-Dinitrotoluene	Lin2		0.3060	0.2000	4130	4000	3.1	20.0
Acenaphthylene	Ave	1.598	1.716	0.9000	4300	4000	7.4	20.0
3-Nitroaniline	Lin2		0.3209	0.0100	4060	4000	1.4	20.0
Acenaphthene	Ave	1.172	1.215	0.9000	4150	4000	3.7	20.0
2,4-Dinitrophenol	Lin2		0.1660	0.0100	7510	8000	-6.1	20.0
4-Nitrophenol	Lin2		0.2008	0.0100	8360	8000	4.5	20.0
2,4-Dinitrotoluene	Lin2		0.3938	0.2000	4060	4000	1.4	20.0
Dibenzofuran	Ave	1.504	1.585	0.8000	4220	4000	5.4	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3067	0.0100	4050	4000	1.4	20.0
Diethyl phthalate	Ave	1.192	1.272	0.0100	4270	4000	6.8	20.0
Hexadecane	Ave	0.6438	0.6637	0.0100	4120	4000	3.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.6181	0.6424	0.4000	4160	4000	3.9	20.0
Fluorene	Ave	1.247	1.318	0.9000	4230	4000	5.7	20.0
4-Nitroaniline	Lin1		0.3367	0.0100	4180	4000	4.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1411	0.0100	8080	8000	1.0	20.0
Diphenylamine	Ave	0.6474	0.6858	0.0100	3620	3420	5.9	20.0
N-Nitrosodiphenylamine	Ave	0.5535	0.5864	0.0100	4240	4000	5.9	20.0
1,2-Diphenylhydrazine	Ave	0.8055	0.8541	0.0100	4240	4000	6.0	20.0
trans-Azobenzene	Ave	0.8055	0.8541	0.0100	4240	4000	6.0	20.0
4-Bromophenyl phenyl ether	Lin2		0.2159	0.1000	4070	4000	1.7	20.0
Hexachlorobenzene	Ave	0.2059	0.2051	0.1000	3990	4000	-0.4	20.0
Atrazine	Ave	0.3599	0.3980	0.0100	8850	8000	10.6	20.0
Pentachlorophenol	Lin2		0.1385	0.0500	8150	8000	1.9	20.0
n-Octadecane	Ave	0.6619	0.7013	0.0100	4240	4000	5.9	20.0
Phenanthrene	Ave	1.128	1.195	0.7000	4240	4000	6.0	20.0
Anthracene	Ave	1.131	1.208	0.7000	4270	4000	6.8	20.0
Carbazole	Ave	0.9233	0.8607	0.0100	3730	4000	-6.8	20.0
Di-n-butyl phthalate	Ave	1.307	1.386	0.0100	4240	4000	6.0	20.0
Fluoranthene	Ave	1.185	1.291	0.6000	4360	4000	8.9	20.0
Benzidine	Ave	0.5294	0.4938	0.0100	7460	8000	-6.7	50.0
Pyrene	Ave	1.386	1.465	0.6000	4230	4000	5.7	20.0
Butyl benzyl phthalate	Ave	0.6520	0.7099	0.0100	4360	4000	8.9	20.0
3,3'-Dichlorobenzidine	Ave	0.3906	0.3423	0.0100	7010	8000	-12.4	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.9639	1.048	0.0100	4350	4000	8.8	20.0
Benzo(a)anthracene	Ave	1.333	1.367	0.8000	4100	4000	2.6	20.0
Chrysene	Ave	1.249	1.318	0.7000	4220	4000	5.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556960/12 Calibration Date: 11/02/2020 21:49

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147880.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.520	1.677	0.0100	4410	4000	10.4	20.0
Benzo(b)fluoranthene	Ave	1.278	1.378	0.7000	4310	4000	7.9	20.0
Benzo(k)fluoranthene	Ave	1.303	1.340	0.7000	4110	4000	2.9	20.0
Benzo(a)pyrene	Ave	1.029	1.091	0.7000	4240	4000	6.0	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.008	1.028	0.5000	4080	4000	2.0	20.0
Dibenz(a,h)anthracene	Ave	0.8492	0.8834	0.4000	4160	4000	4.0	20.0
Benzo(g,h,i)perylene	Ave	0.7993	0.8219	0.5000	4110	4000	2.8	20.0
2-Fluorophenol	Ave	1.416	1.426	0.0100	4030	4000	0.7	20.0
Phenol-d5	Ave	1.764	1.733	0.0100	3930	4000	-1.8	20.0
Nitrobenzene-d5	Ave	0.3754	0.3882	0.0100	4140	4000	3.4	20.0
2-Fluorobiphenyl	Ave	1.252	1.320	0.0100	4220	4000	5.4	20.0
2,4,6-Tribromophenol	Ave	0.0978	0.1039	0.0100	4250	4000	6.2	20.0
p-Terphenyl-d14	Ave	0.9943	1.074	0.0100	4320	4000	8.0	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147880.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 02-Nov-2020 21:49:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-012
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:44:07 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 09:10:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	179853	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	99	700860	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	94	376087	4.00	4.00	
* 4 Phenanthrene-d10	188	10.039	10.039	0.000	98	602394	4.00	4.00	
* 5 Chrysene-d12	240	12.464	12.464	0.000	99	538830	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	97	454272	4.00	4.00	
$ 7 2-Fluorophenol	112	5.086	5.086	0.000	94	256428	4.00	4.03	
$ 8 Phenol-d5	99	5.936	5.936	0.000	91	311712	4.00	3.93	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	90	272079	4.00	4.14	
$ 10 2-Fluorobiphenyl	172	8.244	8.244	0.000	100	496493	4.00	4.22	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	93	62579	4.00	4.25	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	578813	4.00	4.32	
55 1,4-Dioxane	88	3.302	3.302	0.000	99	105772	4.00	4.08	
53 N-Nitrosodimethylamine	42	3.681	3.681	0.000	93	134992	4.00	4.07	
52 Pyridine	52	3.697	3.697	0.000	86	412958	8.00	8.23	
71 Benzaldehyde	77	5.877	5.877	0.000	94	411042	8.00	8.00	
72 Phenol	94	5.952	5.952	0.000	99	352073	4.00	4.05	
69 Aniline	93	5.973	5.973	0.000	98	394887	4.00	4.07	
74 Bis(2-chloroethyl)ether	93	6.026	6.026	0.000	94	258895	4.00	3.97	
75 2-Chlorophenol	128	6.075	6.075	0.000	97	265675	4.00	4.05	
261 n-Decane	57	6.117	6.117	0.000	92	361356	4.00	4.01	
78 1,3-Dichlorobenzene	146	6.208	6.208	0.000	97	281101	4.00	4.04	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	93	283414	4.00	4.03	
79 Benzyl alcohol	108	6.379	6.379	0.000	94	178110	4.00	3.97	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	96	270207	4.00	3.95	
82 2-Methylphenol	108	6.475	6.475	0.000	92	242798	4.00	4.01	
230 Indene	115	6.486	6.486	0.000	91	1903846	20.0	18.5	
83 2,2'-oxybis[1-chloropropane]	45	6.491	6.491	0.000	94	449092	4.00	4.08	
87 N-Nitrosodi-n-propylamine	70	6.609	6.609	0.000	76	183834	4.00	4.05	
88 4-Methylphenol	108	6.609	6.609	0.000	68	256529	4.00	4.09	
86 Acetophenone	105	6.609	6.609	0.000	80	353049	4.00	4.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.700	6.700	0.000	98	113323	4.00	3.92	
85 Nitrobenzene	77	6.753	6.753	0.000	89	275613	4.00	4.16	
94 Isophorone	82	6.956	6.956	0.000	99	488434	4.00	4.06	
97 2-Nitrophenol	139	7.025	7.025	0.000	98	132408	4.00	4.06	
99 2,4-Dimethylphenol	107	7.052	7.052	0.000	95	263491	4.00	4.08	
103 Bis(2-chloroethoxy)methane	93	7.132	7.132	0.000	98	294049	4.00	4.05	
105 Benzoic acid	105	7.202	7.202	0.000	89	854126	20.0	18.8	
106 2,4-Dichlorophenol	162	7.228	7.228	0.000	96	205535	4.00	4.06	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	95	229915	4.00	4.12	
107 Naphthalene	128	7.367	7.367	0.000	98	753645	4.00	4.23	
108 4-Chloroaniline	127	7.405	7.405	0.000	96	297734	4.00	4.16	
115 2,6-Dichlorophenol	162	7.415	7.415	0.000	96	206792	4.00	4.11	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	96	130622	4.00	4.14	
114 Caprolactam	113	7.720	7.720	0.000	78	165946	8.00	8.05	
117 4-Chloro-3-methylphenol	107	7.811	7.811	0.000	98	222676	4.00	4.16	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	92	490175	4.00	4.11	
236 1-Methylnaphthalene	142	8.024	8.024	0.000	93	446231	4.00	4.01	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	98	139601	4.00	4.05	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	209103	4.00	4.12	
127 2,4,6-Trichlorophenol	196	8.174	8.174	0.000	92	144818	4.00	4.09	
129 2,4,5-Trichlorophenol	196	8.206	8.206	0.000	93	141202	4.00	4.07	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	95	592117	4.00	4.20	
131 2-Chloronaphthalene	162	8.345	8.345	0.000	97	437595	4.00	4.08	
132 2-Nitroaniline	65	8.425	8.425	0.000	82	149192	4.00	4.18	
134 Dimethyl phthalate	163	8.569	8.569	0.000	99	493665	4.00	4.41	
139 1,3-Dinitrobenzene	168	8.596	8.596	0.000	86	81082	4.00	4.04	
135 2,6-Dinitrotoluene	165	8.617	8.617	0.000	94	115071	4.00	4.13	
137 Acenaphthylene	152	8.692	8.692	0.000	98	645540	4.00	4.30	
140 3-Nitroaniline	138	8.762	8.762	0.000	93	120673	4.00	4.06	
141 Acenaphthene	153	8.836	8.836	0.000	92	456863	4.00	4.15	
142 2,4-Dinitrophenol	184	8.847	8.847	0.000	82	124861	8.00	7.51	
143 4-Nitrophenol	109	8.895	8.895	0.000	95	151011	8.00	8.36	
144 2,4-Dinitrotoluene	165	8.954	8.954	0.000	93	148095	4.00	4.06	
145 Dibenzofuran	168	8.975	8.975	0.000	96	596280	4.00	4.22	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	74	115340	4.00	4.05	
149 Diethyl phthalate	149	9.146	9.146	0.000	98	478553	4.00	4.27	
240 Hexadecane	57	9.152	9.152	0.000	90	399781	4.00	4.12	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	93	241609	4.00	4.16	
151 Fluorene	166	9.259	9.259	0.000	95	495700	4.00	4.23	
153 4-Nitroaniline	138	9.269	9.269	0.000	86	126647	4.00	4.18	
154 4,6-Dinitro-2-methylphenol	198	9.291	9.291	0.000	83	170012	8.00	8.08	
160 Diphenylamine	169	9.344	9.344	0.000	95	353216	3.42	3.62	
157 N-Nitrosodiphenylamine	169	9.344	9.344	0.000	62	353216	4.00	4.24	
158 Azobenzene	77	9.381	9.381	0.000	99	514513	4.00	4.24	
159 1,2-Diphenylhydrazine	77	9.381	9.381	0.000	97	514513	4.00	4.24	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	69	130031	4.00	4.07	
168 Hexachlorobenzene	284	9.723	9.723	0.000	92	123547	4.00	3.99	
170 Atrazine	200	9.777	9.777	0.000	91	299371	8.00	8.85	
172 Pentachlorophenol	266	9.878	9.878	0.000	91	166893	8.00	8.15	
266 n-Octadecane	57	9.910	9.910	0.000	92	422455	4.00	4.24	
177 Phenanthrene	178	10.055	10.055	0.000	98	720136	4.00	4.24	
180 Anthracene	178	10.097	10.097	0.000	98	727913	4.00	4.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.220	10.220	0.000	96	518497	4.00	3.73	
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	100	834736	4.00	4.24	
191 Fluoranthene	202	11.043	11.043	0.000	98	777889	4.00	4.36	
192 Benzidine	184	11.139	11.139	0.000	99	532109	8.00	7.46	
193 Pyrene	202	11.241	11.241	0.000	97	789567	4.00	4.23	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	98	382494	4.00	4.36	
204 3,3'-Dichlorobenzidine	252	12.405	12.405	0.000	75	368856	8.00	7.01	
206 Bis(2-ethylhexyl) phthalate	149	12.426	12.426	0.000	97	564893	4.00	4.35	
205 Benzo[a]anthracene	228	12.448	12.448	0.000	99	736749	4.00	4.10	
207 Chrysene	228	12.491	12.491	0.000	98	710071	4.00	4.22	
208 Di-n-octyl phthalate	149	13.233	13.233	0.000	99	903781	4.00	4.41	
209 Benzo[b]fluoranthene	252	13.815	13.815	0.000	98	626185	4.00	4.31	
211 Benzo[k]fluoranthene	252	13.848	13.848	0.000	99	608647	4.00	4.11	
213 Benzo[a]pyrene	252	14.264	14.264	0.000	79	495735	4.00	4.24	
215 Indeno[1,2,3-cd]pyrene	276	15.862	15.862	0.000	97	467026	4.00	4.08	
216 Dibenz(a,h)anthracene	278	15.883	15.883	0.000	88	401309	4.00	4.16	
217 Benzo[g,h,i]perylene	276	16.252	16.252	0.000	96	373370	4.00	4.11	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00462	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

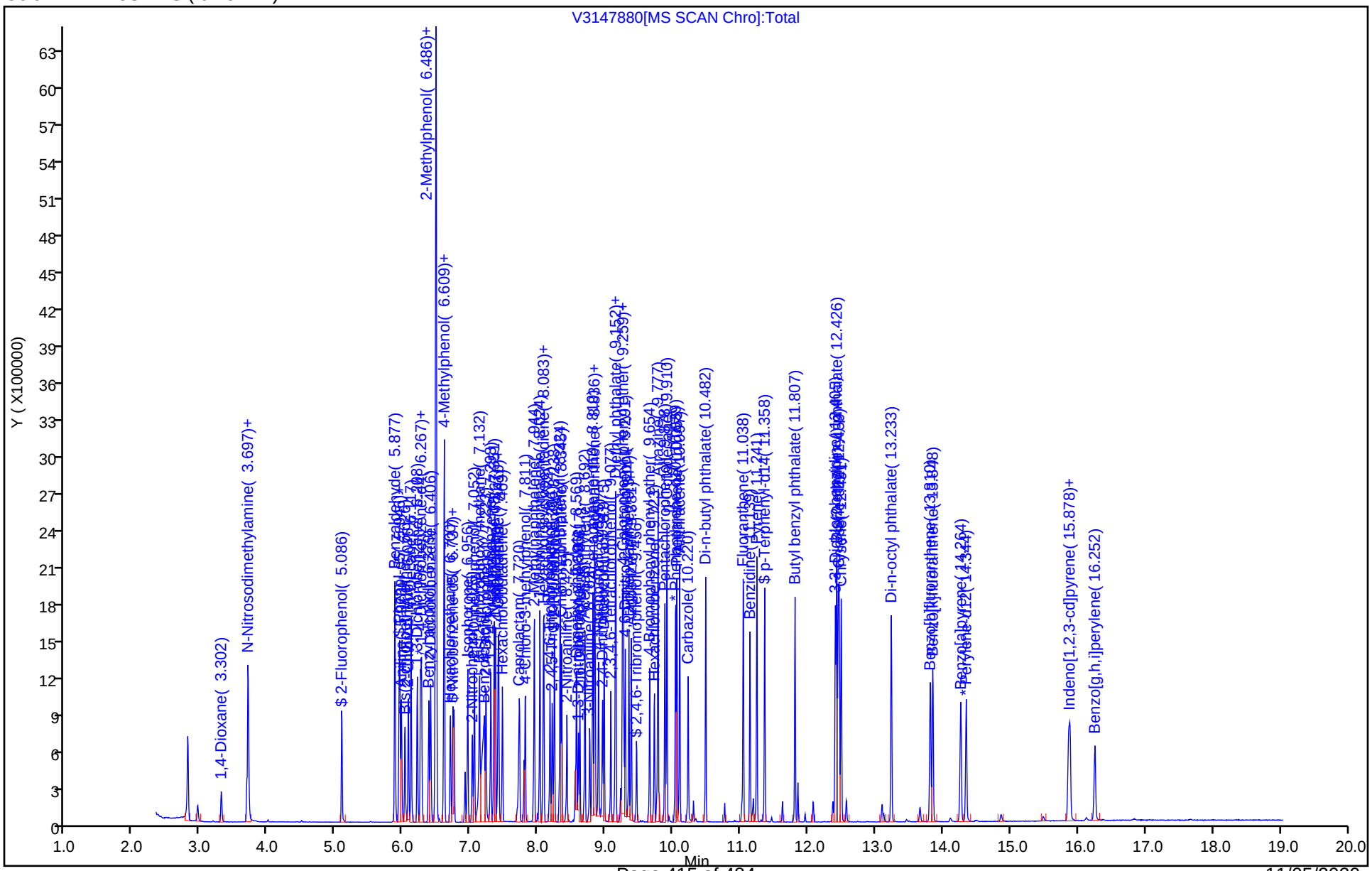
Report Date: 03-Nov-2020 14:44:09 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147880.D

Injection Date:	02-Nov-2020 21:49:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	CCVIS			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556964/3 Calibration Date: 11/03/2020 05:35

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147897.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5771	0.5994	0.0100	4150	4000	3.9	20.0
N-Nitrosodimethylamine	Ave	0.7381	0.7799	0.0100	4230	4000	5.7	50.0
Pyridine	Ave	1.116	1.139	0.0100	8160	8000	2.0	50.0
Benzaldehyde	Ave	1.143	1.175	0.0100	8220	8000	2.8	50.0
Phenol	Ave	1.932	2.009	0.8000	4160	4000	4.0	20.0
Aniline	Ave	2.156	2.274	0.0100	4220	4000	5.5	20.0
Bis(2-chloroethyl)ether	Ave	1.451	1.512	0.7000	4170	4000	4.3	20.0
2-Chlorophenol	Ave	1.458	1.485	0.8000	4080	4000	1.9	20.0
n-Decane	Ave	2.002	2.046	0.0100	4090	4000	2.2	20.0
1,3-Dichlorobenzene	Ave	1.546	1.628	0.0100	4210	4000	5.3	20.0
1,4-Dichlorobenzene	Ave	1.563	1.637	0.0100	4190	4000	4.7	20.0
Benzyl alcohol	Ave	0.999	1.003	0.0100	4020	4000	0.4	20.0
1,2-Dichlorobenzene	Ave	1.523	1.551	0.0100	4070	4000	1.9	20.0
2-Methylphenol	Ave	1.347	1.429	0.7000	4250	4000	6.1	20.0
Indene	Ave	0.5875	0.5489	0.0100	18700	20000	-6.6	20.0
bis (2-chloroisopropyl) ether	Ave	2.450	2.549	0.0100	4160	4000	4.0	20.0
4-Methylphenol	Ave	1.396	1.456	0.6000	4170	4000	4.3	20.0
Acetophenone	Ave	1.943	2.001	0.0100	4120	4000	3.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.010	1.023	0.5000	4050	4000	1.2	20.0
Hexachloroethane	Ave	0.6430	0.6422	0.3000	4000	4000	-0.1	20.0
Nitrobenzene	Ave	0.3785	0.3892	0.2000	4110	4000	2.8	20.0
Isophorone	Ave	0.6865	0.7050	0.4000	4110	4000	2.7	20.0
2-Nitrophenol	Ave	0.1862	0.1922	0.1000	4130	4000	3.2	20.0
2,4-Dimethylphenol	Ave	0.3689	0.3759	0.2000	4080	4000	1.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.4149	0.4166	0.3000	4020	4000	0.4	20.0
Benzoic acid	Lin2		0.2169	0.0100	16800	20000	-15.8	50.0
2,4-Dichlorophenol	Ave	0.2891	0.2896	0.2000	4010	4000	0.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3212	0.0100	4030	4000	0.7	20.0
Naphthalene	Ave	1.016	1.057	0.7000	4160	4000	4.1	20.0
4-Chloroaniline	Ave	0.4085	0.4182	0.0100	4100	4000	2.4	20.0
2,6-Dichlorophenol	Ave	0.2868	0.2897	0.0100	4040	4000	1.0	20.0
Hexachlorobutadiene	Ave	0.1803	0.1860	0.0100	4130	4000	3.2	20.0
Caprolactam	Lin2		0.1163	0.0100	7910	8000	-1.1	50.0
4-Chloro-3-methylphenol	Ave	0.3056	0.3146	0.2000	4120	4000	2.9	20.0
2-Methylnaphthalene	Ave	0.6813	0.7132	0.4000	4190	4000	4.7	20.0
1-Methylnaphthalene	Ave	0.6352	0.6570	0.0100	4140	4000	3.4	20.0
Hexachlorocyclopentadiene	Ave	0.3667	0.3623	0.0500	3950	4000	-1.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5403	0.5321	0.0100	3940	4000	-1.5	20.0
2,4,6-Trichlorophenol	Ave	0.3769	0.3901	0.2000	4140	4000	3.5	20.0
2,4,5-Trichlorophenol	Lin2		0.3814	0.2000	4130	4000	3.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556964/3 Calibration Date: 11/03/2020 05:35

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147897.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.499	1.563	0.0100	4170	4000	4.3	20.0
2-Chloronaphthalene	Ave	1.140	1.158	0.8000	4060	4000	1.6	20.0
2-Nitroaniline	Lin2		0.3796	0.0100	4000	4000	-0.0	20.0
Dimethyl phthalate	Ave	1.192	1.265	0.0100	4250	4000	6.2	20.0
1,3-Dinitrobenzene	Lin2		0.1144	0.0100	4000	4000	-0.1	20.0
2,6-Dinitrotoluene	Lin2		0.3024	0.2000	4080	4000	2.0	20.0
Acenaphthylene	Ave	1.598	1.708	0.9000	4270	4000	6.9	20.0
3-Nitroaniline	Lin2		0.3284	0.0100	4150	4000	3.8	20.0
Acenaphthene	Ave	1.172	1.215	0.9000	4150	4000	3.7	20.0
2,4-Dinitrophenol	Lin2		0.1522	0.0100	6940	8000	-13.3	20.0
4-Nitrophenol	Lin2		0.1778	0.0100	7430	8000	-7.1	20.0
2,4-Dinitrotoluene	Lin2		0.4002	0.2000	4120	4000	3.0	20.0
Dibenzofuran	Ave	1.504	1.564	0.8000	4160	4000	4.0	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2962	0.0100	3920	4000	-2.1	20.0
Diethyl phthalate	Ave	1.192	1.240	0.0100	4160	4000	4.0	20.0
Hexadecane	Ave	0.6438	0.6674	0.0100	4150	4000	3.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.6181	0.6295	0.4000	4070	4000	1.8	20.0
Fluorene	Ave	1.247	1.281	0.9000	4110	4000	2.7	20.0
4-Nitroaniline	Lin1		0.3413	0.0100	4230	4000	5.8	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1295	0.0100	7450	8000	-6.9	20.0
Diphenylamine	Ave	0.6474	0.6809	0.0100	3600	3420	5.2	20.0
N-Nitrosodiphenylamine	Ave	0.5535	0.5821	0.0100	4210	4000	5.2	20.0
1,2-Diphenylhydrazine	Ave	0.8055	0.8618	0.0100	4280	4000	7.0	20.0
trans-Azobenzene	Ave	0.8055	0.8618	0.0100	4280	4000	7.0	20.0
4-Bromophenyl phenyl ether	Lin2		0.2150	0.1000	4050	4000	1.3	20.0
Hexachlorobenzene	Ave	0.2059	0.2067	0.1000	4020	4000	0.4	20.0
Atrazine	Ave	0.3599	0.3857	0.0100	8570	8000	7.2	20.0
Pentachlorophenol	Lin2		0.1318	0.0500	7770	8000	-2.9	20.0
n-Octadecane	Ave	0.6619	0.7015	0.0100	4240	4000	6.0	20.0
Phenanthrene	Ave	1.128	1.209	0.7000	4290	4000	7.2	20.0
Anthracene	Ave	1.131	1.234	0.7000	4360	4000	9.1	20.0
Carbazole	Ave	0.9233	0.9711	0.0100	4210	4000	5.2	20.0
Di-n-butyl phthalate	Ave	1.307	1.391	0.0100	4260	4000	6.4	20.0
Fluoranthene	Ave	1.185	1.304	0.6000	4400	4000	10.0	20.0
Benzidine	Ave	0.5294	0.4632	0.0100	7000	8000	-12.5	50.0
Pyrene	Ave	1.386	1.452	0.6000	4190	4000	4.7	20.0
Butyl benzyl phthalate	Ave	0.6520	0.6753	0.0100	4140	4000	3.6	20.0
3,3'-Dichlorobenzidine	Ave	0.3906	0.3637	0.0100	7450	8000	-6.9	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.9639	1.019	0.0100	4230	4000	5.7	20.0
Benzo(a)anthracene	Ave	1.333	1.359	0.8000	4080	4000	1.9	20.0
Chrysene	Ave	1.249	1.322	0.7000	4230	4000	5.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-556964/3 Calibration Date: 11/03/2020 05:35

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147897.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.520	1.672	0.0100	4400	4000	10.0	20.0
Benzo(b)fluoranthene	Ave	1.278	1.329	0.7000	4160	4000	4.0	20.0
Benzo(k)fluoranthene	Ave	1.303	1.363	0.7000	4190	4000	4.7	20.0
Benzo(a)pyrene	Ave	1.029	1.084	0.7000	4210	4000	5.4	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.008	0.9872	0.5000	3920	4000	-2.1	20.0
Dibenz(a,h)anthracene	Ave	0.8492	0.8518	0.4000	4010	4000	0.3	20.0
Benzo(g,h,i)perylene	Ave	0.7993	0.7593	0.5000	3800	4000	-5.0	20.0
2-Fluorophenol	Ave	1.416	1.481	0.0100	4180	4000	4.6	20.0
Phenol-d5	Ave	1.764	1.823	0.0100	4130	4000	3.4	20.0
Nitrobenzene-d5	Ave	0.3754	0.3851	0.0100	4100	4000	2.6	20.0
2-Fluorobiphenyl	Ave	1.252	1.310	0.0100	4180	4000	4.6	20.0
2,4,6-Tribromophenol	Ave	0.0978	0.1013	0.0100	4140	4000	3.5	20.0
p-Terphenyl-d14	Ave	0.9943	1.049	0.0100	4220	4000	5.5	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147897.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Nov-2020 05:35:30 ALS Bottle#: 29 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-029
Operator ID: JM Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:53:15 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 09:16:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.256	6.256	0.000	98	171981	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	99	692377	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	373485	4.00	4.00	
* 4 Phenanthrene-d10	188	10.039	10.039	0.000	98	586881	4.00	4.00	
* 5 Chrysene-d12	240	12.464	12.464	0.000	98	532495	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	97	450427	4.00	4.00	
$ 7 2-Fluorophenol	112	5.092	5.092	0.000	94	254651	4.00	4.18	
$ 8 Phenol-d5	99	5.941	5.941	0.000	90	313576	4.00	4.13	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	91	266607	4.00	4.10	
$ 10 2-Fluorobiphenyl	172	8.244	8.244	0.000	99	489080	4.00	4.18	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	92	59438	4.00	4.14	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	558763	4.00	4.22	
55 1,4-Dioxane	88	3.307	3.307	0.000	97	103081	4.00	4.15	
53 N-Nitrosodimethylamine	42	3.687	3.687	0.000	93	134126	4.00	4.23	
52 Pyridine	52	3.708	3.708	0.000	87	391742	8.00	8.16	
71 Benzaldehyde	77	5.877	5.877	0.000	93	403990	8.00	8.22	
72 Phenol	94	5.952	5.952	0.000	98	345470	4.00	4.16	
69 Aniline	93	5.973	5.973	0.000	97	391097	4.00	4.22	
74 Bis(2-chloroethyl)ether	93	6.026	6.026	0.000	95	260082	4.00	4.17	
75 2-Chlorophenol	128	6.075	6.075	0.000	97	255419	4.00	4.08	
261 n-Decane	57	6.112	6.112	0.000	93	351799	4.00	4.09	
78 1,3-Dichlorobenzene	146	6.208	6.208	0.000	98	279953	4.00	4.21	
77 1,4-Dichlorobenzene	146	6.272	6.272	0.000	93	281471	4.00	4.19	
79 Benzyl alcohol	108	6.384	6.384	0.000	93	172439	4.00	4.02	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	97	266762	4.00	4.07	
82 2-Methylphenol	108	6.481	6.481	0.000	88	245824	4.00	4.25	
230 Indene	115	6.486	6.486	0.000	91	1900176	20.0	18.7	
83 2,2'-oxybis[1-chloropropane]	45	6.497	6.497	0.000	92	438336	4.00	4.16	
87 N-Nitrosodi-n-propylamine	70	6.609	6.609	0.000	88	175872	4.00	4.05	
88 4-Methylphenol	108	6.609	6.609	0.000	92	250335	4.00	4.17	
86 Acetophenone	105	6.609	6.609	0.000	89	344133	4.00	4.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.700	6.700	0.000	98	110453	4.00	4.00	
85 Nitrobenzene	77	6.753	6.753	0.000	89	269456	4.00	4.11	
94 Isophorone	82	6.956	6.956	0.000	99	488117	4.00	4.11	
97 2-Nitrophenol	139	7.025	7.025	0.000	97	133054	4.00	4.13	
99 2,4-Dimethylphenol	107	7.058	7.058	0.000	95	260294	4.00	4.08	
103 Bis(2-chloroethoxy)methane	93	7.132	7.132	0.000	99	288460	4.00	4.02	
105 Benzoic acid	105	7.202	7.202	0.000	88	750934	20.0	16.8	a
106 2,4-Dichlorophenol	162	7.229	7.229	0.000	95	200506	4.00	4.01	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	94	222385	4.00	4.03	
107 Naphthalene	128	7.367	7.367	0.000	98	732152	4.00	4.16	
108 4-Chloroaniline	127	7.410	7.410	0.000	96	289569	4.00	4.10	
115 2,6-Dichlorophenol	162	7.415	7.415	0.000	97	200567	4.00	4.04	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	96	128816	4.00	4.13	
114 Caprolactam	113	7.725	7.725	0.000	78	160984	8.00	7.91	
117 4-Chloro-3-methylphenol	107	7.811	7.811	0.000	97	217807	4.00	4.12	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	92	493828	4.00	4.19	
236 1-Methylnaphthalene	142	8.024	8.024	0.000	93	454870	4.00	4.14	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	96	135318	4.00	3.95	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	198730	4.00	3.94	
127 2,4,6-Trichlorophenol	196	8.179	8.179	0.000	93	145678	4.00	4.14	
129 2,4,5-Trichlorophenol	196	8.211	8.211	0.000	92	142457	4.00	4.13	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	95	583755	4.00	4.17	
131 2-Chloronaphthalene	162	8.350	8.350	0.000	97	432516	4.00	4.06	
132 2-Nitroaniline	65	8.425	8.425	0.000	83	141769	4.00	4.00	
134 Dimethyl phthalate	163	8.569	8.569	0.000	99	472463	4.00	4.25	
139 1,3-Dinitrobenzene	168	8.596	8.596	0.000	86	79183	4.00	4.00	
135 2,6-Dinitrotoluene	165	8.623	8.623	0.000	95	112958	4.00	4.08	
137 Acenaphthylene	152	8.692	8.692	0.000	99	637759	4.00	4.27	
140 3-Nitroaniline	138	8.767	8.767	0.000	94	122650	4.00	4.15	
141 Acenaphthene	153	8.837	8.837	0.000	93	453866	4.00	4.15	
142 2,4-Dinitrophenol	184	8.847	8.847	0.000	82	113693	8.00	6.94	
143 4-Nitrophenol	109	8.901	8.901	0.000	95	132842	8.00	7.43	
144 2,4-Dinitrotoluene	165	8.954	8.954	0.000	94	149456	4.00	4.12	
145 Dibenzofuran	168	8.981	8.981	0.000	96	584294	4.00	4.16	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	75	110627	4.00	3.92	
149 Diethyl phthalate	149	9.146	9.146	0.000	98	463216	4.00	4.16	
240 Hexadecane	57	9.152	9.152	0.000	90	391681	4.00	4.15	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	92	235115	4.00	4.07	
151 Fluorene	166	9.259	9.259	0.000	95	478454	4.00	4.11	
153 4-Nitroaniline	138	9.275	9.275	0.000	85	127460	4.00	4.23	
154 4,6-Dinitro-2-methylphenol	198	9.296	9.296	0.000	85	151999	8.00	7.45	
160 Diphenylamine	169	9.344	9.344	0.000	95	341646	3.42	3.60	
157 N-Nitrosodiphenylamine	169	9.344	9.344	0.000	61	341646	4.00	4.21	
158 Azobenzene	77	9.381	9.381	0.000	99	505757	4.00	4.28	
159 1,2-Diphenylhydrazine	77	9.381	9.381	0.000	96	505757	4.00	4.28	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	68	126201	4.00	4.05	
168 Hexachlorobenzene	284	9.723	9.723	0.000	92	121307	4.00	4.02	
170 Atrazine	200	9.782	9.782	0.000	92	288139	8.00	8.57	
172 Pentachlorophenol	266	9.878	9.878	0.000	92	154675	8.00	7.77	
266 n-Octadecane	57	9.910	9.910	0.000	92	411701	4.00	4.24	
177 Phenanthrene	178	10.055	10.055	0.000	98	709610	4.00	4.29	
180 Anthracene	178	10.097	10.097	0.000	98	724359	4.00	4.36	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.225	10.225	0.000	96	569942	4.00	4.21	
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	100	816107	4.00	4.26	
191 Fluoranthene	202	11.043	11.043	0.000	98	765550	4.00	4.40	
192 Benzidine	184	11.139	11.139	0.000	99	493263	8.00	7.00	
193 Pyrene	202	11.241	11.241	0.000	97	773227	4.00	4.19	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	98	359584	4.00	4.14	
204 3,3'-Dichlorobenzidine	252	12.405	12.405	0.000	75	387335	8.00	7.45	
206 Bis(2-ethylhexyl) phthalate	149	12.427	12.427	0.000	97	542719	4.00	4.23	
205 Benzo[a]anthracene	228	12.448	12.448	0.000	98	723716	4.00	4.08	
207 Chrysene	228	12.491	12.491	0.000	98	703744	4.00	4.23	
208 Di-n-octyl phthalate	149	13.233	13.233	0.000	99	890127	4.00	4.40	
209 Benzo[b]fluoranthene	252	13.815	13.815	0.000	98	598617	4.00	4.16	
211 Benzo[k]fluoranthene	252	13.853	13.853	0.000	99	614081	4.00	4.19	
213 Benzo[a]pyrene	252	14.270	14.270	0.000	79	488321	4.00	4.21	
215 Indeno[1,2,3-cd]pyrene	276	15.862	15.862	0.000	98	444668	4.00	3.92	
216 Dibenz(a,h)anthracene	278	15.883	15.883	0.000	87	383659	4.00	4.01	
217 Benzo[g,h,i]perylene	276	16.252	16.252	0.000	96	342011	4.00	3.80	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00462	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

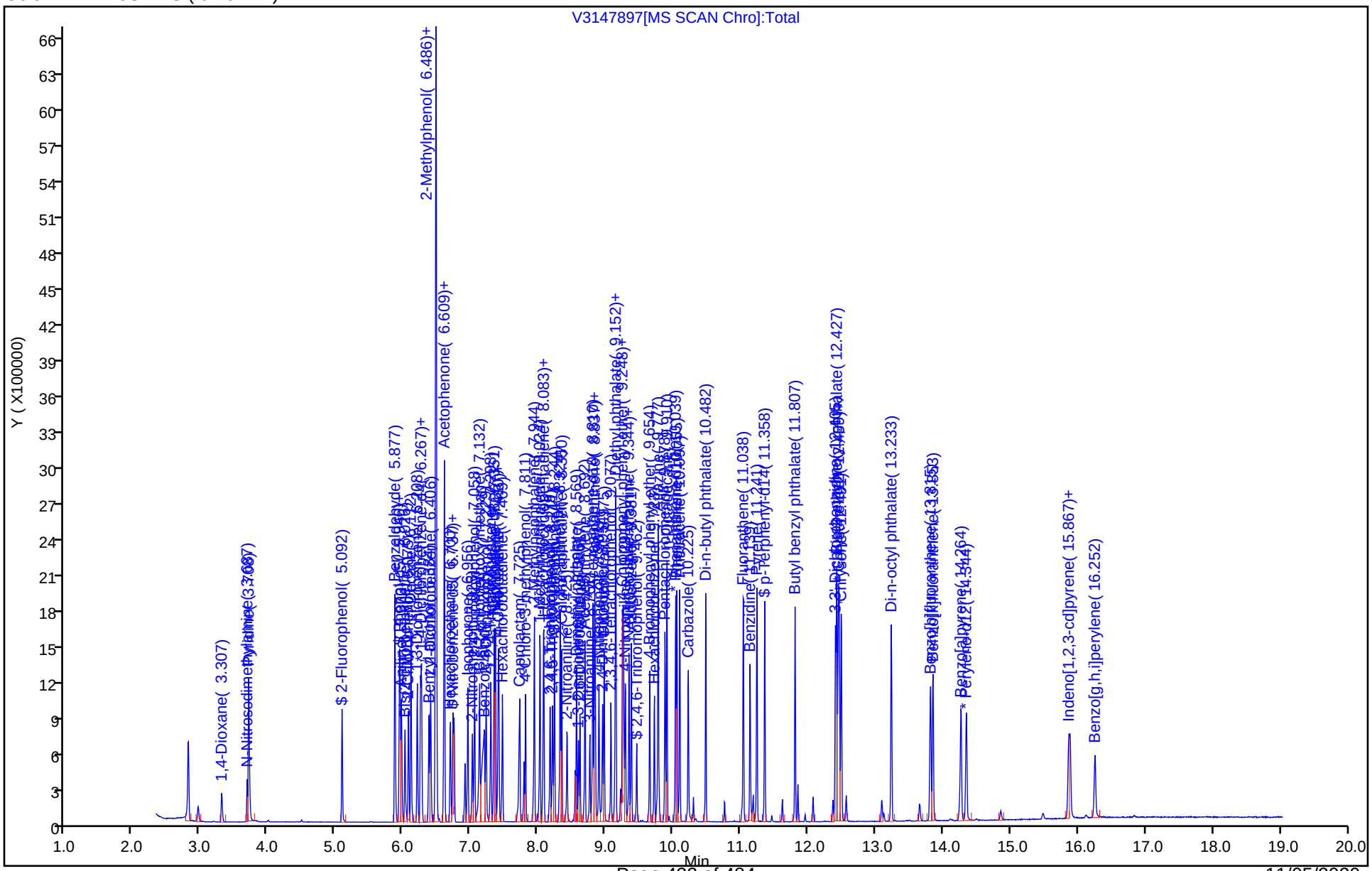
Report Date: 03-Nov-2020 14:53:16 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147897.D

Injection Date:	03-Nov-2020 05:35:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

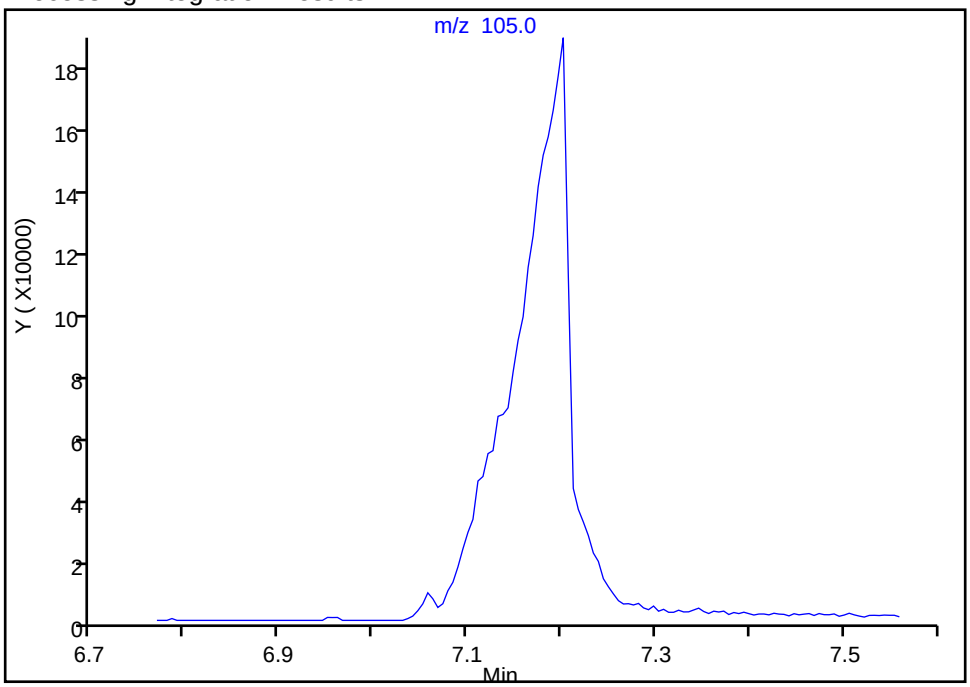
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Injection Date: 03-Nov-2020 05:35:30 Instrument ID: HP5973V
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 29 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

105 Benzoic acid, CAS: 65-85-0

Signal: 1

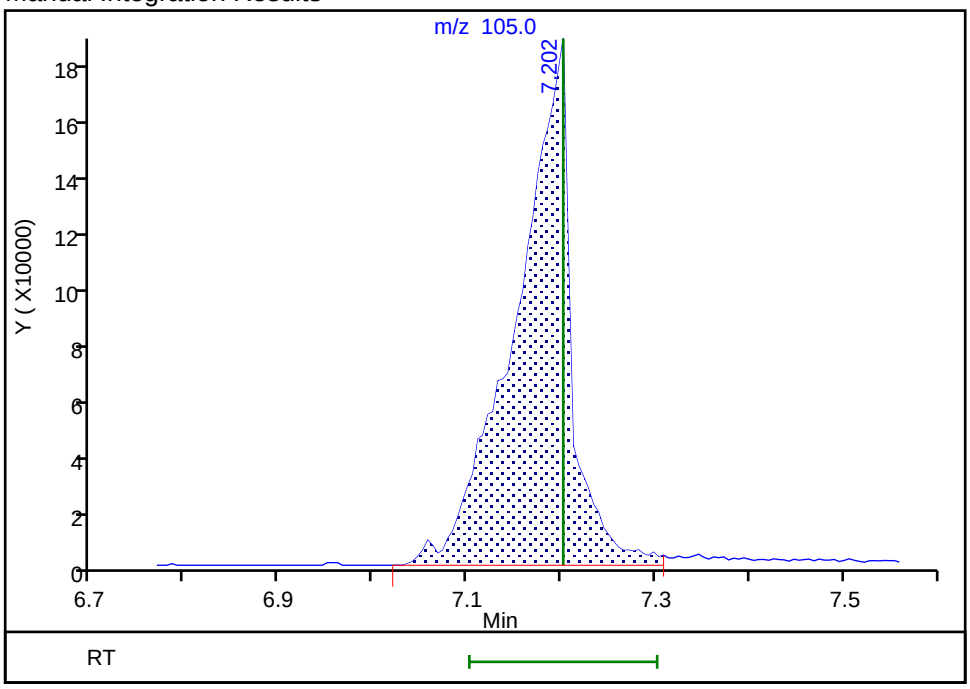
Not Detected
Expected RT: 7.20

Processing Integration Results



Manual Integration Results

RT: 7.20
Area: 750934
Amount: 16.848241
Amount Units: ng/uL



Reviewer: schickr, 03-Nov-2020 14:46:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-557147/3 Calibration Date: 11/04/2020 01:55

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147938.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5771	0.5844	0.0100	4050	4000	1.3	20.0
N-Nitrosodimethylamine	Ave	0.7381	0.7261	0.0100	3930	4000	-1.6	50.0
Pyridine	Ave	1.116	1.098	0.0100	7870	8000	-1.7	50.0
Benzaldehyde	Ave	1.143	1.136	0.0100	7950	8000	-0.6	50.0
Phenol	Ave	1.932	1.891	0.8000	3910	4000	-2.2	20.0
Aniline	Ave	2.156	2.156	0.0100	4000	4000	0.0	20.0
Bis(2-chloroethyl)ether	Ave	1.451	1.447	0.7000	3990	4000	-0.2	20.0
2-Chlorophenol	Ave	1.458	1.456	0.8000	3990	4000	-0.1	20.0
n-Decane	Ave	2.002	2.004	0.0100	4000	4000	0.1	20.0
1,3-Dichlorobenzene	Ave	1.546	1.580	0.0100	4090	4000	2.2	20.0
1,4-Dichlorobenzene	Ave	1.563	1.585	0.0100	4060	4000	1.4	20.0
Benzyl alcohol	Ave	0.999	0.9678	0.0100	3880	4000	-3.1	20.0
1,2-Dichlorobenzene	Ave	1.523	1.532	0.0100	4020	4000	0.6	20.0
2-Methylphenol	Ave	1.347	1.336	0.7000	3970	4000	-0.8	20.0
Indene	Ave	0.5875	0.5574	0.0100	19000	20000	-5.1	20.0
bis (2-chloroisopropyl) ether	Ave	2.450	2.384	0.0100	3890	4000	-2.7	20.0
Acetophenone	Ave	1.943	1.930	0.0100	3970	4000	-0.6	20.0
N-Nitrosodi-n-propylamine	Ave	1.010	0.9674	0.5000	3830	4000	-4.3	20.0
4-Methylphenol	Ave	1.396	1.365	0.6000	3910	4000	-2.2	20.0
Hexachloroethane	Ave	0.6430	0.6467	0.3000	4020	4000	0.6	20.0
Nitrobenzene	Ave	0.3785	0.3849	0.2000	4070	4000	1.7	20.0
Isophorone	Ave	0.6865	0.6978	0.4000	4070	4000	1.6	20.0
2-Nitrophenol	Ave	0.1862	0.1899	0.1000	4080	4000	2.0	20.0
2,4-Dimethylphenol	Ave	0.3689	0.3620	0.2000	3920	4000	-1.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.4149	0.4180	0.3000	4030	4000	0.8	20.0
Benzoic acid	Lin2		0.2260	0.0100	17500	20000	-12.5	50.0
2,4-Dichlorophenol	Ave	0.2891	0.2810	0.2000	3890	4000	-2.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3251	0.0100	4080	4000	1.9	20.0
Naphthalene	Ave	1.016	1.064	0.7000	4190	4000	4.7	20.0
4-Chloroaniline	Ave	0.4085	0.3942	0.0100	3860	4000	-3.5	20.0
2,6-Dichlorophenol	Ave	0.2868	0.2869	0.0100	4000	4000	0.0	20.0
Hexachlorobutadiene	Ave	0.1803	0.1868	0.0100	4150	4000	3.6	20.0
Caprolactam	Lin2		0.1134	0.0100	7720	8000	-3.5	50.0
4-Chloro-3-methylphenol	Ave	0.3056	0.3019	0.2000	3950	4000	-1.2	20.0
2-Methylnaphthalene	Ave	0.6813	0.7053	0.4000	4140	4000	3.5	20.0
1-Methylnaphthalene	Ave	0.6352	0.6448	0.0100	4060	4000	1.5	20.0
Hexachlorocyclopentadiene	Ave	0.3667	0.3484	0.0500	3800	4000	-5.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5403	0.5492	0.0100	4070	4000	1.7	20.0
2,4,6-Trichlorophenol	Ave	0.3769	0.3668	0.2000	3890	4000	-2.7	20.0
2,4,5-Trichlorophenol	Lin2		0.3623	0.2000	3930	4000	-1.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-557147/3 Calibration Date: 11/04/2020 01:55

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147938.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.499	1.560	0.0100	4160	4000	4.0	20.0
2-Chloronaphthalene	Ave	1.140	1.151	0.8000	4040	4000	1.0	20.0
2-Nitroaniline	Lin2		0.3597	0.0100	3790	4000	-5.2	20.0
Dimethyl phthalate	Ave	1.192	1.245	0.0100	4180	4000	4.5	20.0
1,3-Dinitrobenzene	Lin2		0.1132	0.0100	3950	4000	-1.1	20.0
2,6-Dinitrotoluene	Lin2		0.3040	0.2000	4100	4000	2.5	20.0
Acenaphthylene	Ave	1.598	1.699	0.9000	4250	4000	6.3	20.0
3-Nitroaniline	Lin2		0.3039	0.0100	3850	4000	-3.9	20.0
Acenaphthene	Ave	1.172	1.184	0.9000	4040	4000	1.1	20.0
2,4-Dinitrophenol	Lin2		0.1161	0.0100	5440	8000	-32.0*	20.0
4-Nitrophenol	Lin2		0.1575	0.0100	6600	8000	-17.5	20.0
2,4-Dinitrotoluene	Lin2		0.3931	0.2000	4050	4000	1.2	20.0
Dibenzofuran	Ave	1.504	1.547	0.8000	4110	4000	2.8	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2843	0.0100	3760	4000	-6.0	20.0
Diethyl phthalate	Ave	1.192	1.240	0.0100	4160	4000	4.0	20.0
Hexadecane	Ave	0.6438	0.6455	0.0100	4010	4000	0.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6181	0.6211	0.4000	4020	4000	0.5	20.0
Fluorene	Ave	1.247	1.281	0.9000	4110	4000	2.7	20.0
4-Nitroaniline	Lin1		0.3225	0.0100	4000	4000	0.0	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1231	0.0100	7100	8000	-11.2	20.0
Diphenylamine	Ave	0.6474	0.6731	0.0100	3560	3420	4.0	20.0
N-Nitrosodiphenylamine	Ave	0.5535	0.5755	0.0100	4160	4000	4.0	20.0
1,2-Diphenylhydrazine	Ave	0.8055	0.8141	0.0100	4040	4000	1.1	20.0
trans-Azobenzene	Ave	0.8055	0.8141	0.0100	4040	4000	1.1	20.0
4-Bromophenyl phenyl ether	Lin2		0.2156	0.1000	4060	4000	1.5	20.0
Hexachlorobenzene	Ave	0.2059	0.2178	0.1000	4230	4000	5.8	20.0
Atrazine	Ave	0.3599	0.3839	0.0100	8530	8000	6.7	20.0
Pentachlorophenol	Lin2		0.0981	0.0500	5820	8000	-27.2*	20.0
n-Octadecane	Ave	0.6619	0.6831	0.0100	4130	4000	3.2	20.0
Phenanthrene	Ave	1.128	1.198	0.7000	4250	4000	6.2	20.0
Anthracene	Ave	1.131	1.179	0.7000	4170	4000	4.3	20.0
Carbazole	Ave	0.9233	1.006	0.0100	4360	4000	8.9	20.0
Di-n-butyl phthalate	Ave	1.307	1.347	0.0100	4120	4000	3.1	20.0
Fluoranthene	Ave	1.185	1.283	0.6000	4330	4000	8.2	20.0
Benzidine	Ave	0.5294	0.5462	0.0100	8250	8000	3.2	50.0
Pyrene	Ave	1.386	1.468	0.6000	4230	4000	5.9	20.0
Butyl benzyl phthalate	Ave	0.6520	0.6719	0.0100	4120	4000	3.1	20.0
3,3'-Dichlorobenzidine	Ave	0.3906	0.4072	0.0100	8340	8000	4.2	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.9639	1.000	0.0100	4150	4000	3.8	20.0
Benzo(a)anthracene	Ave	1.333	1.359	0.8000	4080	4000	1.9	20.0
Chrysene	Ave	1.249	1.301	0.7000	4170	4000	4.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Lab Sample ID: CCVIS 480-557147/3 Calibration Date: 11/04/2020 01:55

Instrument ID: HP5973V Calib Start Date: 11/02/2020 17:40

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/02/2020 20:54

Lab File ID: V3147938.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.520	1.676	0.0100	4410	4000	10.2	20.0
Benzo(b)fluoranthene	Ave	1.278	1.268	0.7000	3970	4000	-0.8	20.0
Benzo(k)fluoranthene	Ave	1.303	1.388	0.7000	4260	4000	6.5	20.0
Benzo(a)pyrene	Ave	1.029	1.067	0.7000	4150	4000	3.7	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.008	1.077	0.5000	4270	4000	6.8	20.0
Dibenz(a,h)anthracene	Ave	0.8492	0.8945	0.4000	4210	4000	5.3	20.0
Benzo(g,h,i)perylene	Ave	0.7993	0.8417	0.5000	4210	4000	5.3	20.0
2-Fluorophenol	Ave	1.416	1.418	0.0100	4000	4000	0.1	20.0
Phenol-d5	Ave	1.764	1.715	0.0100	3890	4000	-2.8	20.0
Nitrobenzene-d5	Ave	0.3754	0.3809	0.0100	4060	4000	1.5	20.0
2-Fluorobiphenyl	Ave	1.252	1.314	0.0100	4200	4000	4.9	20.0
2,4,6-Tribromophenol	Ave	0.0978	0.1009	0.0100	4130	4000	3.1	20.0
p-Terphenyl-d14	Ave	0.9943	1.047	0.0100	4210	4000	5.3	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147938.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 04-Nov-2020 01:55:30 ALS Bottle#: 29 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094668-003
Operator ID: PJQ Instrument ID: HP5973V
Sublist: chrom-8270_LVI*sub33

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Nov-2020 13:52:47 Calib Date: 03-Nov-2020 16:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94666.b\V3147918.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: quirkp Date: 04-Nov-2020 13:52:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.251	6.251	0.000	97	168655	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	99	652218	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	352734	4.00	4.00	
* 4 Phenanthrene-d10	188	10.039	10.039	0.000	98	554166	4.00	4.00	
* 5 Chrysene-d12	240	12.464	12.464	0.000	99	495460	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	97	446725	4.00	4.00	
$ 7 2-Fluorophenol	112	5.097	5.097	0.000	94	239073	4.00	4.00	
$ 8 Phenol-d5	99	5.941	5.941	0.000	92	289166	4.00	3.89	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	89	248460	4.00	4.06	
$ 10 2-Fluorobiphenyl	172	8.244	8.244	0.000	100	463357	4.00	4.20	
$ 11 2,4,6-Tribromophenol	330	9.462	9.462	0.000	92	55927	4.00	4.13	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	98	518685	4.00	4.21	
55 1,4-Dioxane	88	3.313	3.313	0.000	97	98569	4.00	4.05	
53 N-Nitrosodimethylamine	42	3.687	3.687	0.000	93	122458	4.00	3.93	
52 Pyridine	52	3.708	3.708	0.000	88	370218	8.00	7.87	
71 Benzaldehyde	77	5.872	5.872	0.000	93	383254	8.00	7.95	
72 Phenol	94	5.957	5.957	0.000	97	318863	4.00	3.91	
69 Aniline	93	5.973	5.973	0.000	96	363643	4.00	4.00	a
74 Bis(2-chloroethyl)ether	93	6.021	6.021	0.000	95	244113	4.00	3.99	
75 2-Chlorophenol	128	6.075	6.075	0.000	97	245530	4.00	3.99	
261 n-Decane	57	6.112	6.112	0.000	93	338044	4.00	4.00	
78 1,3-Dichlorobenzene	146	6.203	6.203	0.000	97	266465	4.00	4.09	
77 1,4-Dichlorobenzene	146	6.267	6.267	0.000	93	267280	4.00	4.06	
79 Benzyl alcohol	108	6.379	6.379	0.000	93	163216	4.00	3.88	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	97	258328	4.00	4.02	
82 2-Methylphenol	108	6.481	6.481	0.000	87	225274	4.00	3.97	
230 Indene	115	6.486	6.486	0.000	91	1817582	20.0	19.0	
83 2,2'-oxybis[1-chloropropane]	45	6.491	6.491	0.000	95	402107	4.00	3.89	
88 4-Methylphenol	108	6.614	6.614	0.000	91	230240	4.00	3.91	
87 N-Nitrosodi-n-propylamine	70	6.609	6.609	0.000	79	163151	4.00	3.83	
86 Acetophenone	105	6.609	6.609	0.000	86	325518	4.00	3.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
89 Hexachloroethane	117	6.694	6.694	0.000	99	109068	4.00	4.02	
85 Nitrobenzene	77	6.753	6.753	0.000	89	251056	4.00	4.07	
94 Isophorone	82	6.956	6.956	0.000	99	455132	4.00	4.07	
97 2-Nitrophenol	139	7.026	7.026	0.000	95	123866	4.00	4.08	
99 2,4-Dimethylphenol	107	7.058	7.058	0.000	95	236090	4.00	3.92	
103 Bis(2-chloroethoxy)methane	93	7.132	7.132	0.000	99	272649	4.00	4.03	
105 Benzoic acid	105	7.202	7.202	0.000	87	736997	20.0	17.5	a
106 2,4-Dichlorophenol	162	7.229	7.229	0.000	95	183295	4.00	3.89	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	94	212025	4.00	4.08	
107 Naphthalene	128	7.368	7.368	0.000	97	694279	4.00	4.19	
108 4-Chloroaniline	127	7.405	7.405	0.000	96	257113	4.00	3.86	
115 2,6-Dichlorophenol	162	7.416	7.416	0.000	97	187100	4.00	4.00	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	97	121847	4.00	4.15	
114 Caprolactam	113	7.725	7.725	0.000	79	147967	8.00	7.72	
117 4-Chloro-3-methylphenol	107	7.816	7.816	0.000	97	196876	4.00	3.95	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	92	459993	4.00	4.14	
236 1-Methylnaphthalene	142	8.025	8.025	0.000	92	420524	4.00	4.06	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	97	122907	4.00	3.80	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	193739	4.00	4.07	
127 2,4,6-Trichlorophenol	196	8.180	8.180	0.000	91	129385	4.00	3.89	
129 2,4,5-Trichlorophenol	196	8.217	8.217	0.000	93	127789	4.00	3.93	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	95	550091	4.00	4.16	
131 2-Chloronaphthalene	162	8.351	8.351	0.000	97	406087	4.00	4.04	
132 2-Nitroaniline	65	8.431	8.431	0.000	83	126896	4.00	3.79	
134 Dimethyl phthalate	163	8.570	8.570	0.000	99	439176	4.00	4.18	
139 1,3-Dinitrobenzene	168	8.596	8.596	0.000	88	73820	4.00	3.95	
135 2,6-Dinitrotoluene	165	8.623	8.623	0.000	95	107247	4.00	4.10	
137 Acenaphthylene	152	8.692	8.692	0.000	99	599290	4.00	4.25	
140 3-Nitroaniline	138	8.767	8.767	0.000	94	107179	4.00	3.85	
141 Acenaphthene	153	8.837	8.837	0.000	93	417760	4.00	4.04	
142 2,4-Dinitrophenol	184	8.847	8.847	0.000	83	81931	8.00	5.44	
143 4-Nitrophenol	109	8.906	8.906	0.000	92	111083	8.00	6.60	
144 2,4-Dinitrotoluene	165	8.954	8.954	0.000	93	138645	4.00	4.05	
145 Dibenzofuran	168	8.976	8.976	0.000	96	545631	4.00	4.11	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	74	100283	4.00	3.76	
149 Diethyl phthalate	149	9.146	9.146	0.000	98	437286	4.00	4.16	
240 Hexadecane	57	9.152	9.152	0.000	91	357711	4.00	4.01	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	95	219071	4.00	4.02	
151 Fluorene	166	9.259	9.259	0.000	95	451877	4.00	4.11	
153 4-Nitroaniline	138	9.275	9.275	0.000	83	113743	4.00	4.00	
154 4,6-Dinitro-2-methylphenol	198	9.296	9.296	0.000	87	136461	8.00	7.10	
160 Diphenylamine	169	9.344	9.344	0.000	95	318918	3.42	3.56	
157 N-Nitrosodiphenylamine	169	9.344	9.344	0.000	61	318918	4.00	4.16	
159 1,2-Diphenylhydrazine	77	9.382	9.382	0.000	96	451152	4.00	4.04	
158 Azobenzene	77	9.382	9.382	0.000	99	451152	4.00	4.04	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	67	119451	4.00	4.06	
168 Hexachlorobenzene	284	9.723	9.723	0.000	94	120721	4.00	4.23	
170 Atrazine	200	9.782	9.782	0.000	92	270838	8.00	8.53	
172 Pentachlorophenol	266	9.878	9.878	0.000	92	108715	8.00	5.82	M
266 n-Octadecane	57	9.905	9.905	0.000	93	378570	4.00	4.13	
177 Phenanthrene	178	10.055	10.055	0.000	98	663887	4.00	4.25	
180 Anthracene	178	10.097	10.097	0.000	98	653610	4.00	4.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Carbazole	167	10.226	10.226	0.000	96	557410	4.00	4.36	
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	100	746387	4.00	4.12	
191 Fluoranthene	202	11.038	11.038	0.000	98	711055	4.00	4.33	
192 Benzidine	184	11.139	11.139	0.000	99	541233	8.00	8.25	
193 Pyrene	202	11.241	11.241	0.000	97	727126	4.00	4.23	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	98	332909	4.00	4.12	
204 3,3'-Dichlorobenzidine	252	12.405	12.405	0.000	75	403492	8.00	8.34	
206 Bis(2-ethylhexyl) phthalate	149	12.421	12.421	0.000	97	495636	4.00	4.15	
205 Benzo[a]anthracene	228	12.448	12.448	0.000	98	673153	4.00	4.08	
207 Chrysene	228	12.491	12.491	0.000	97	644838	4.00	4.17	
208 Di-n-octyl phthalate	149	13.233	13.233	0.000	99	830156	4.00	4.41	
209 Benzo[b]fluoranthene	252	13.810	13.810	0.000	98	566302	4.00	3.97	
211 Benzo[k]fluoranthene	252	13.848	13.848	0.000	99	619933	4.00	4.26	
213 Benzo[a]pyrene	252	14.264	14.264	0.000	79	476808	4.00	4.15	
215 Indeno[1,2,3-cd]pyrene	276	15.862	15.862	0.000	98	481278	4.00	4.27	
216 Dibenz(a,h)anthracene	278	15.883	15.883	0.000	89	399591	4.00	4.21	
217 Benzo[g,h,i]perylene	276	16.252	16.252	0.000	96	376020	4.00	4.21	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00462	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00203	Amount Added: 20.00	Units: uL	Run Reagent

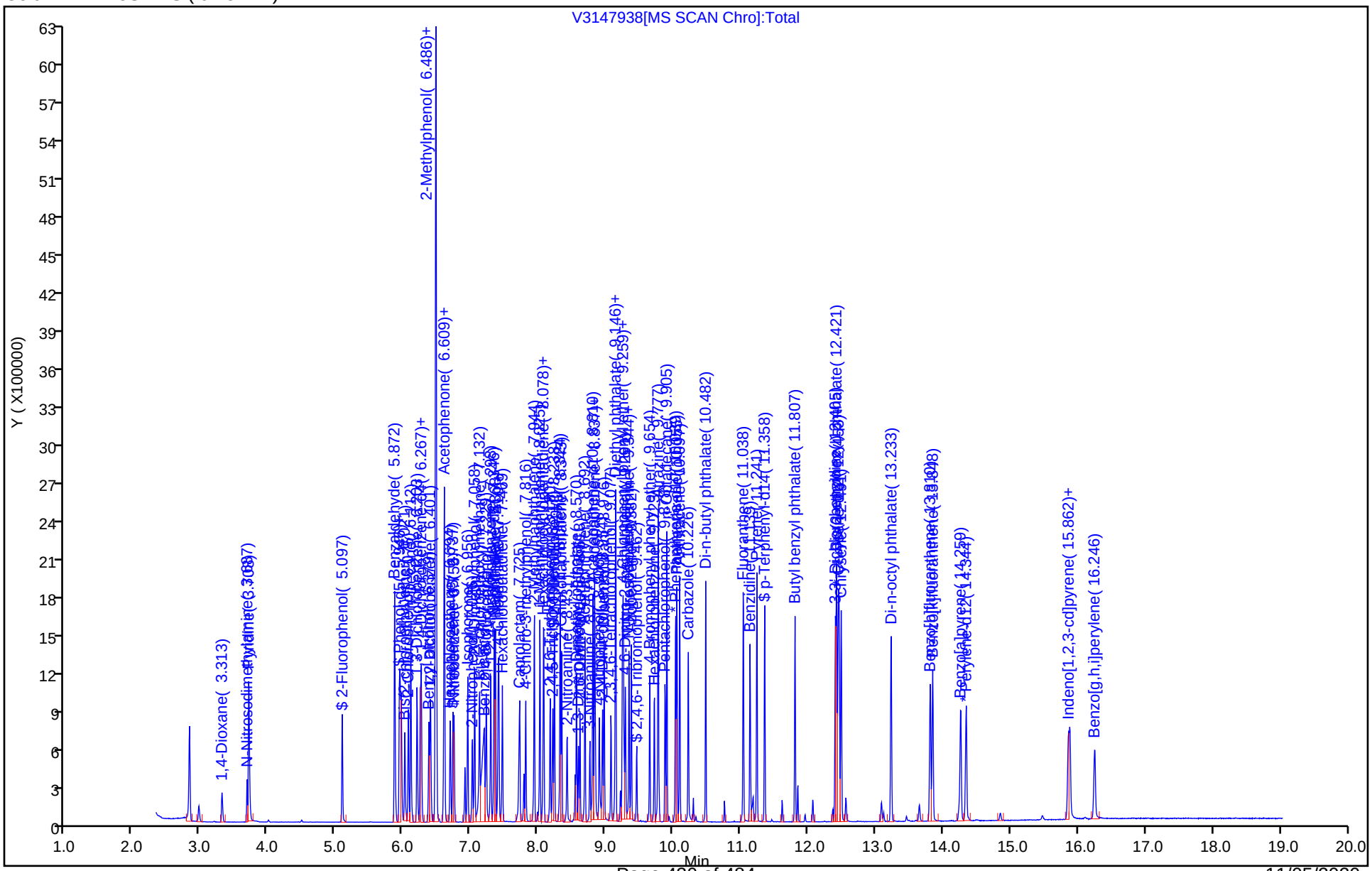
Report Date: 04-Nov-2020 13:52:49 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147938.D

Injection Date:	04-Nov-2020 01:55:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

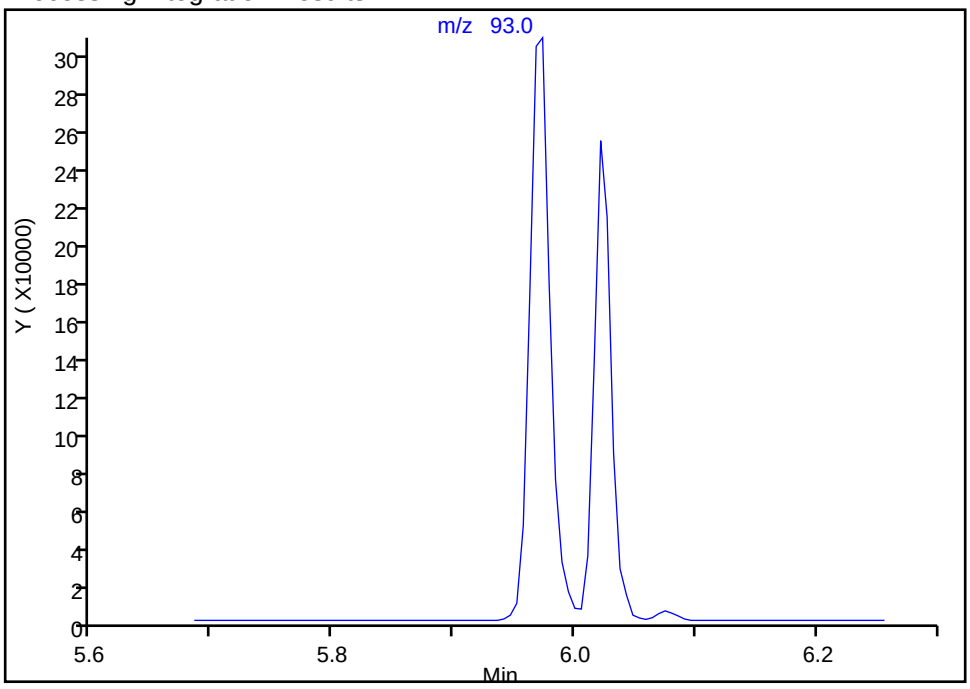
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Injection Date: 04-Nov-2020 01:55:30 Instrument ID: HP5973V
Lims ID: CCVIS
Client ID:
Operator ID: PJQ ALS Bottle#: 29 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

69 Aniline, CAS: 62-53-3

Signal: 1

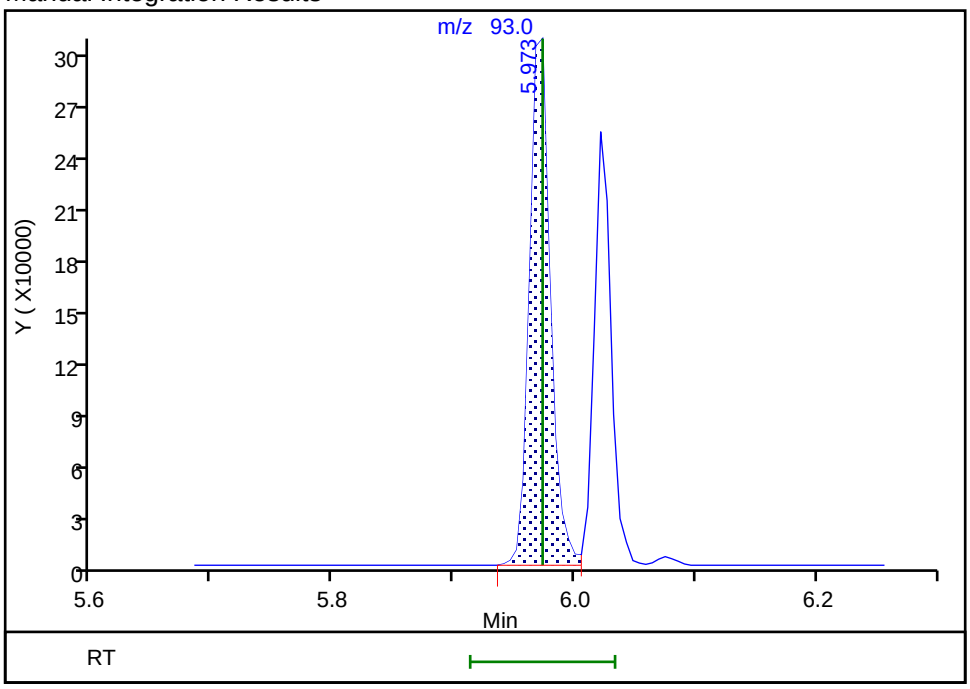
Not Detected
Expected RT: 5.97

Processing Integration Results



Manual Integration Results

RT: 5.97
Area: 363643
Amount: 4.000080
Amount Units: ng/uL



Reviewer: quirkp, 04-Nov-2020 13:51:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

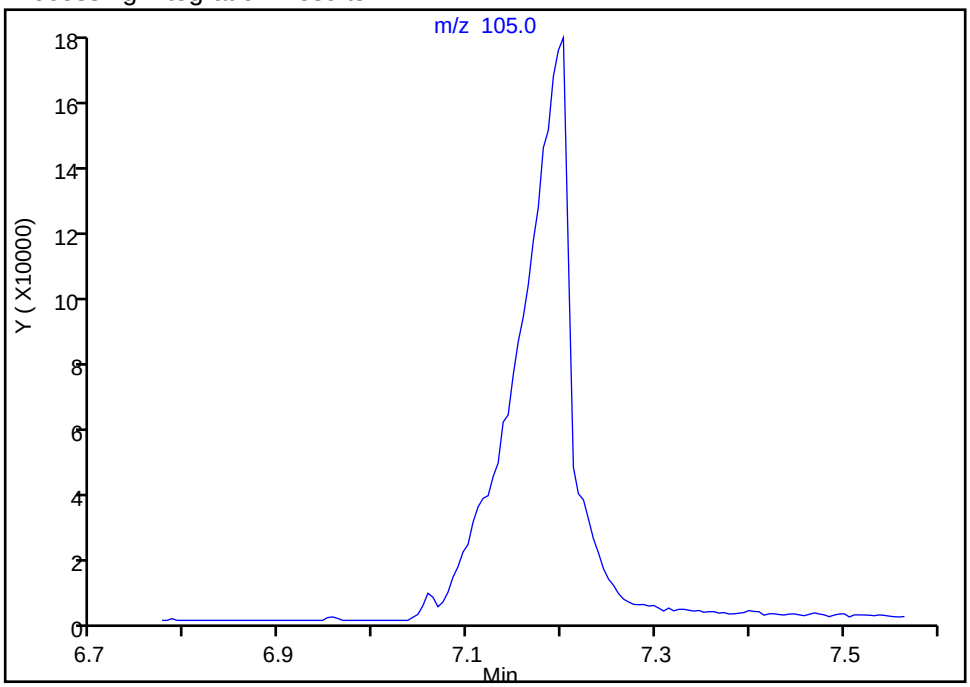
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Injection Date: 04-Nov-2020 01:55:30 Instrument ID: HP5973V
Lims ID: CCVIS
Client ID:
Operator ID: PJQ ALS Bottle#: 29 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

105 Benzoic acid, CAS: 65-85-0

Signal: 1

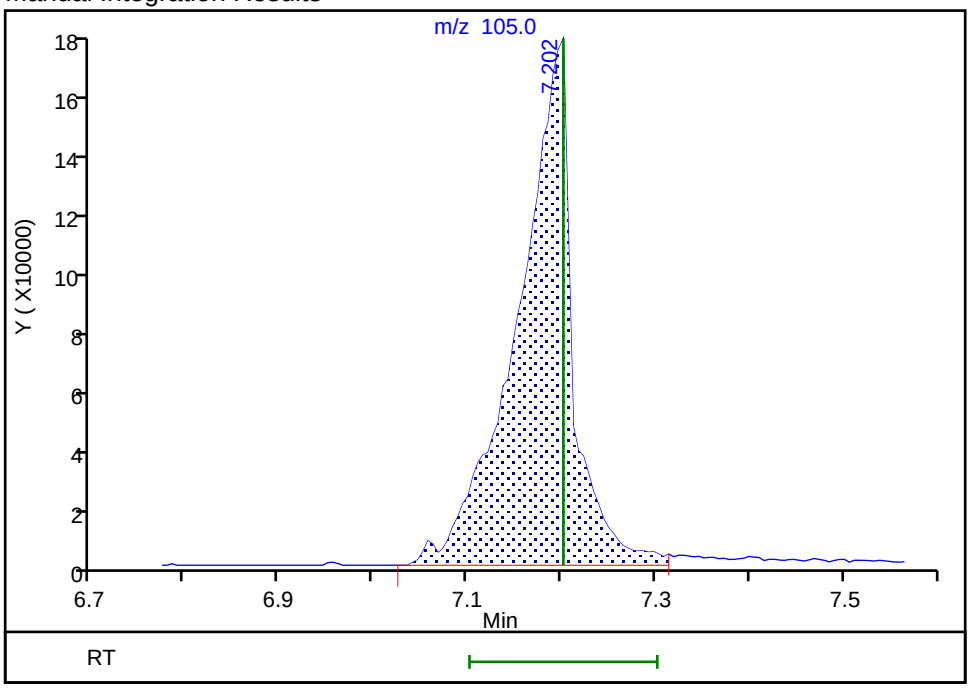
Not Detected
Expected RT: 7.20

Processing Integration Results



Manual Integration Results

RT: 7.20
Area: 736997
Amount: 17.499811
Amount Units: ng/uL



Reviewer: quirkp, 04-Nov-2020 13:51:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

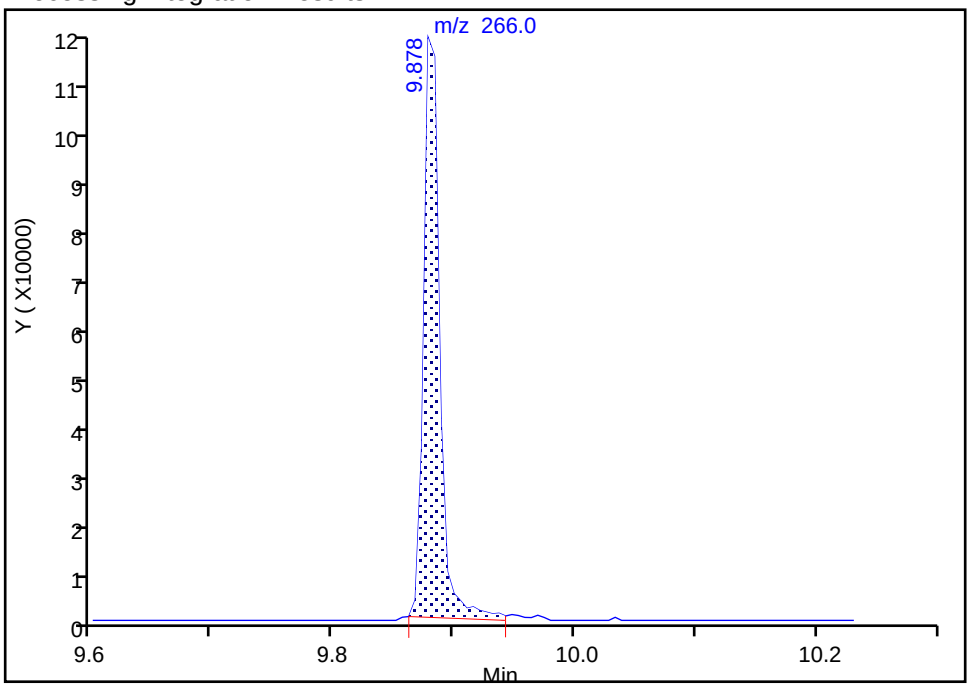
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Injection Date: 04-Nov-2020 01:55:30 Instrument ID: HP5973V
Lims ID: CCVIS
Client ID:
Operator ID: PJQ ALS Bottle#: 29 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

172 Pentachlorophenol, CAS: 87-86-5

Signal: 1

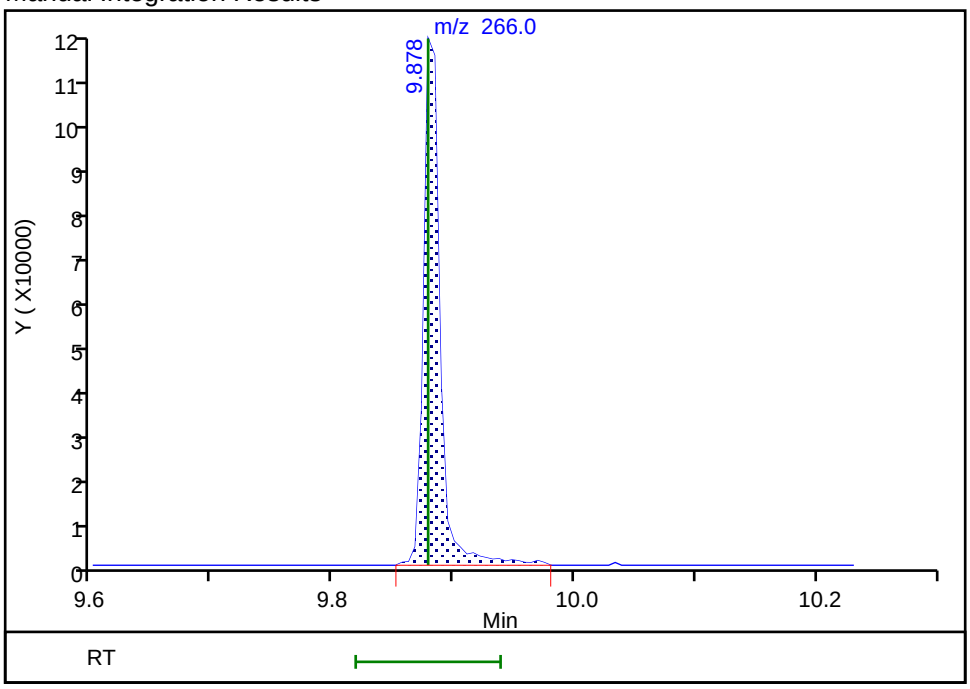
Processing Integration Results

RT: 9.88
Area: 105051
Amount: 5.632140
Amount Units: ng/uL



Manual Integration Results

RT: 9.88
Area: 108715
Amount: 5.822761
Amount Units: ng/uL



Reviewer: quirkp, 04-Nov-2020 13:52:06
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147870.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 02-Nov-2020 17:13:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:22:51 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 02-Nov-2020 17:36:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
90 Pentachlorophenol_T	266	9.878	9.878	0.000	0	229950	NR	NR	a
98 DFTPP									
112 Benzidine_T	184	11.139	11.139	0.000	0	1114053	NR	NR	a
118 4,4'-DDD	235	11.620	11.620	0.000	95	16661		NR	a
126 4,4'-DDT	235	11.924	11.924	0.000	97	697302	NR	NR	a
122 4,4'-DDE	246		12.764					ND	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- 8 - Failed MS Tune Ratio Test

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

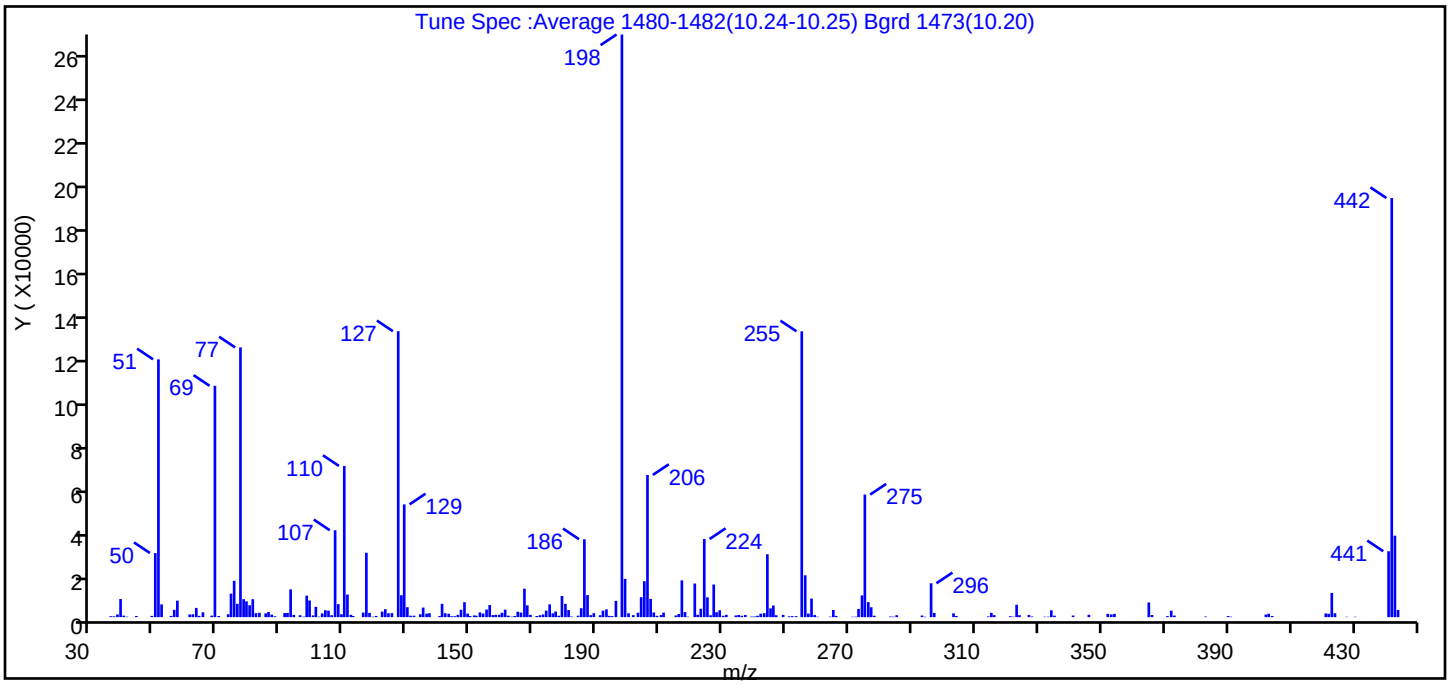
MB_DFTPP_WRK_00382 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147870.D
Injection Date: 02-Nov-2020 17:13:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (139.0)
51	10-80% of the base peak	44.2
68	<2% of mass 69	0.3 (0.7)
69	Present	39.7
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	49.1
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.6
275	10-60% of the base peak	21.0
365	>1% of mass 198	2.5
441	present but <24% of mass 442	11.3 (15.7)
442	base peak, or >50% of 198	71.9
443	15-24% of mass 442	14.0 (19.4)

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147870.D\8270_LVI.rslt\spectra.d
Injection Date: 02-Nov-2020 17:13:30
Spectrum: Tune Spec :Average 1480-1482(10.24-10.25) Bgrd 1473(10.20)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 243

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	418	118.00	1914	186.00	34992	260.00	196
37.00	378	119.00	211	187.00	9923	264.00	220
38.00	1214	120.00	527	188.00	881	265.00	3215
39.00	8132	122.00	2487	189.00	1796	266.00	570
40.00	682	123.00	3570	191.00	853	271.00	170
41.00	210	124.00	1765	192.00	2929	272.00	209
44.00	529	125.00	1815	193.00	3483	273.00	3686
49.00	567	127.00	128424	194.00	569	274.00	9761
50.00	28784	128.00	9839	195.00	467	275.00	55056
51.00	115792	129.00	50656	196.00	7324	276.00	6760
52.00	5745	130.00	4458	198.00	261696	277.00	4438
55.00	572	131.00	658	199.00	17184	278.00	637
56.00	3294	132.00	659	200.00	1737	283.00	278
57.00	7404	134.00	1266	202.00	912	284.00	216
61.00	1200	135.00	4292	203.00	1995	285.00	878
62.00	1305	136.00	1587	204.00	8956	293.00	731
63.00	4154	137.00	1766	205.00	16151	294.00	189
64.00	572	140.00	475	206.00	63864	296.00	15219
65.00	2187	141.00	6006	207.00	8195	297.00	1906
68.00	692	142.00	1770	208.00	2106	303.00	1698
69.00	103904	143.00	1520	209.00	612	304.00	518
70.00	500	144.00	411	210.00	922	314.00	325
73.00	1289	145.00	405	211.00	2052	315.00	1924
74.00	10559	146.00	996	215.00	750	316.00	904
75.00	16318	147.00	3311	216.00	1405	321.00	410
76.00	5985	148.00	6715	217.00	16504	322.00	210
77.00	121152	149.00	1600	218.00	2266	323.00	5551
78.00	8085	150.00	495	219.00	206	324.00	895
79.00	7096	151.00	771	221.00	15092	327.00	975
80.00	5346	152.00	611	222.00	1060	328.00	279
81.00	8054	153.00	2120	223.00	3786	332.00	184
82.00	1800	154.00	1625	224.00	35088	333.00	197
83.00	1951	155.00	3422	225.00	8910	334.00	3070

Report Date: 03-Nov-2020 14:22:51 Chrom Revision: 2.3 14-Oct-2020 14:51:38
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147870.D\8270_LVI.rslt\spectra.d
Injection Date: 02-Nov-2020 17:13:30
Spectrum: Tune Spec :Average 1480-1482(10.24-10.25) Bgrd 1473(10.20)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 243

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	1703	156.00	5431	226.00	827	335.00	648
86.00	2308	157.00	920	227.00	14657	341.00	729
87.00	1123	158.00	1035	228.00	2200	346.00	1067
88.00	385	159.00	1069	229.00	3096	352.00	1492
91.00	1852	160.00	1947	230.00	623	353.00	1232
92.00	1909	161.00	3362	231.00	1031	354.00	1468
93.00	12471	162.00	661	234.00	757	365.00	6584
94.00	1016	163.00	192	235.00	958	366.00	964
96.00	864	164.00	513	236.00	625	371.00	465
97.00	245	165.00	2431	237.00	986	372.00	2912
98.00	9665	166.00	2034	239.00	267	373.00	698
99.00	7488	167.00	12793	240.00	309	383.00	265
100.00	771	168.00	5309	241.00	632	390.00	469
101.00	4624	169.00	1024	242.00	1536	391.00	212
102.00	217	171.00	506	243.00	1799	402.00	1179
103.00	1662	172.00	866	244.00	28240	403.00	1525
104.00	3088	173.00	1197	245.00	3946	404.00	508
105.00	2901	174.00	2919	246.00	5221	421.00	1667
106.00	858	175.00	5740	247.00	869	422.00	1494
107.00	39024	176.00	1697	249.00	1018	423.00	10870
108.00	5838	177.00	2521	251.00	375	424.00	1756
109.00	1300	178.00	635	252.00	451	428.00	168
110.00	67904	179.00	9499	253.00	458	430.00	173
111.00	10147	180.00	5967	255.00	128368	441.00	29600
112.00	1057	181.00	3181	256.00	18792	442.00	188224
113.00	512	182.00	267	257.00	1602	443.00	36592
116.00	2049	184.00	659	258.00	8339	444.00	3227
117.00	28904	185.00	4020	259.00	943		

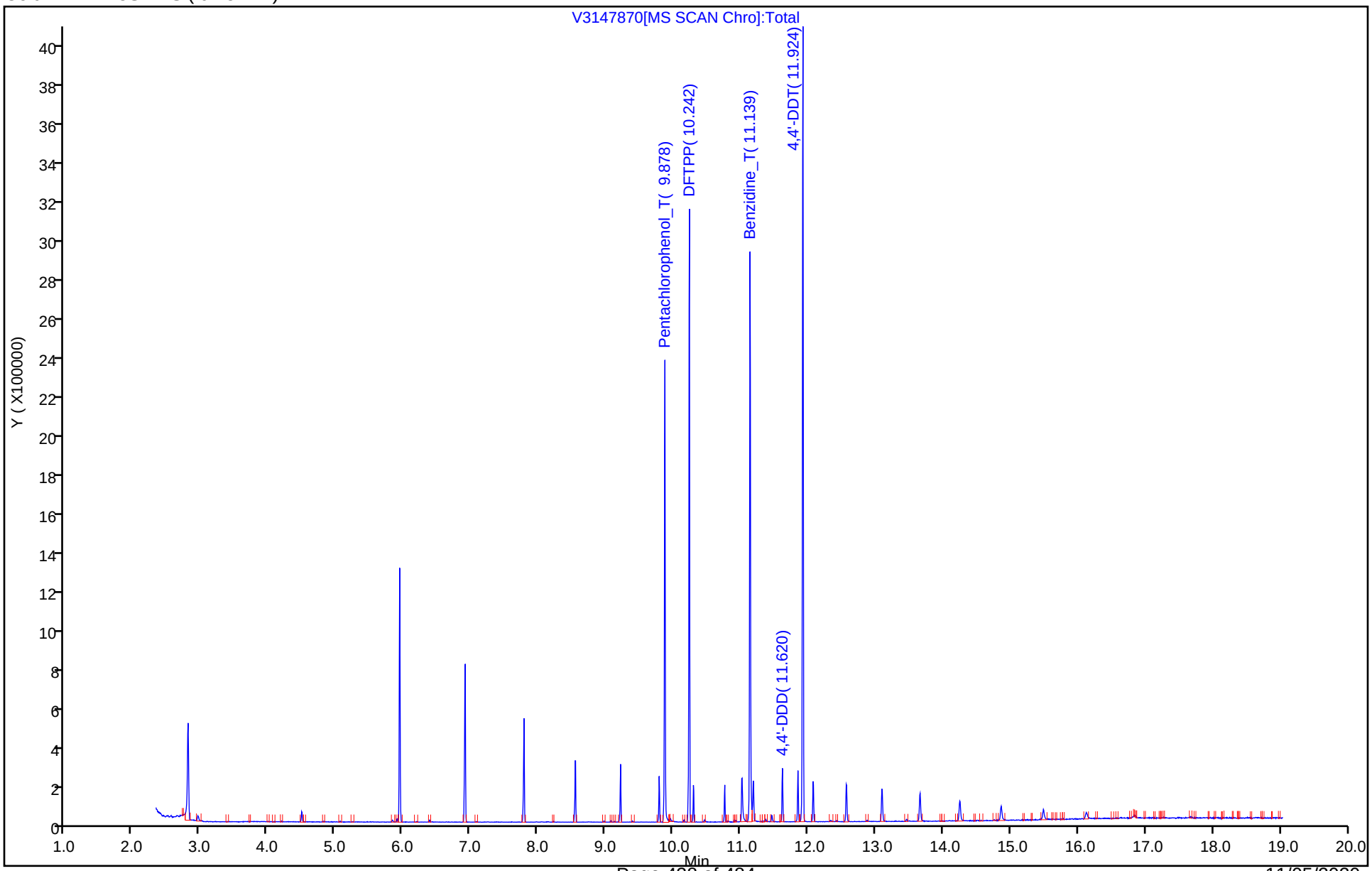
Report Date: 03-Nov-2020 14:22:51 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147870.D

Injection Date:	02-Nov-2020 17:13:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147870.D
Injection Date: 02-Nov-2020 17:13:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

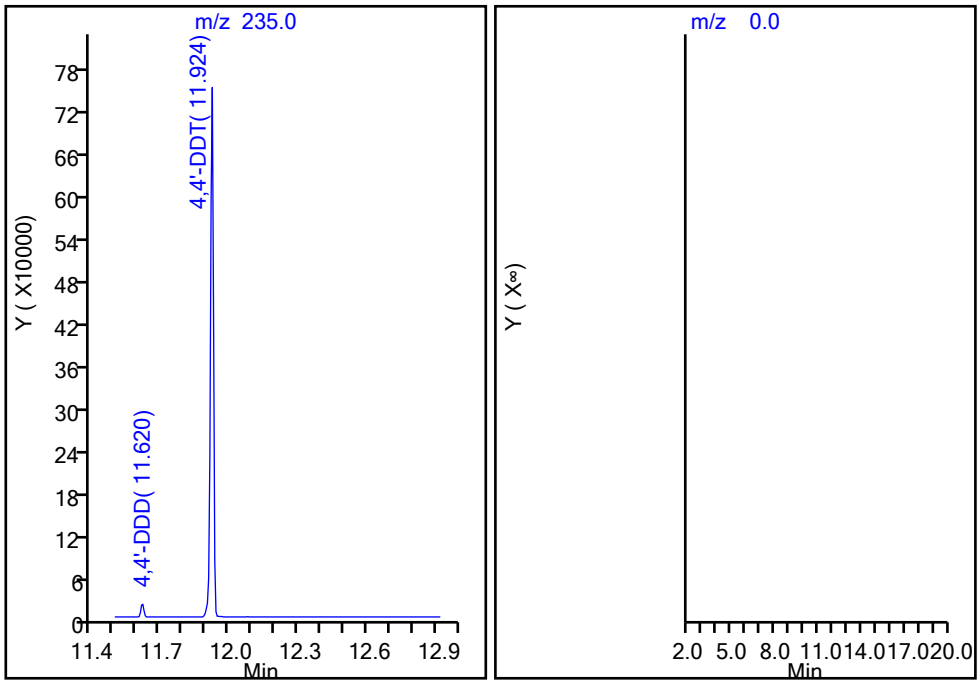
126 4,4'-DDT, Detector: MS SCAN

SW-846 Method

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

126 4,4'-DDT, Area = 697302
118 4,4'-DDD, Area = 16661
122 4,4'-DDE, Area = 0

%Breakdown: 2.33%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

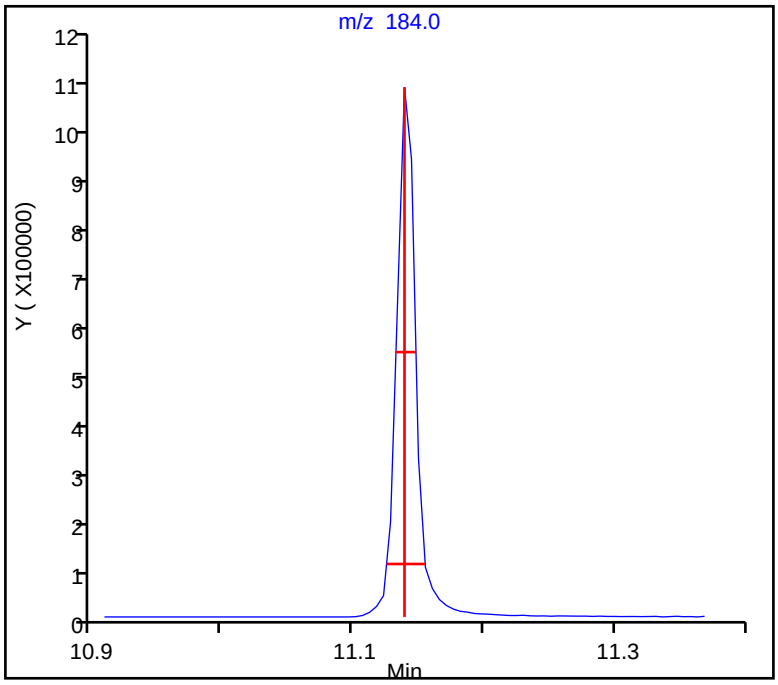
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147870.D
Injection Date: 02-Nov-2020 17:13:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

112 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.016 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.1, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

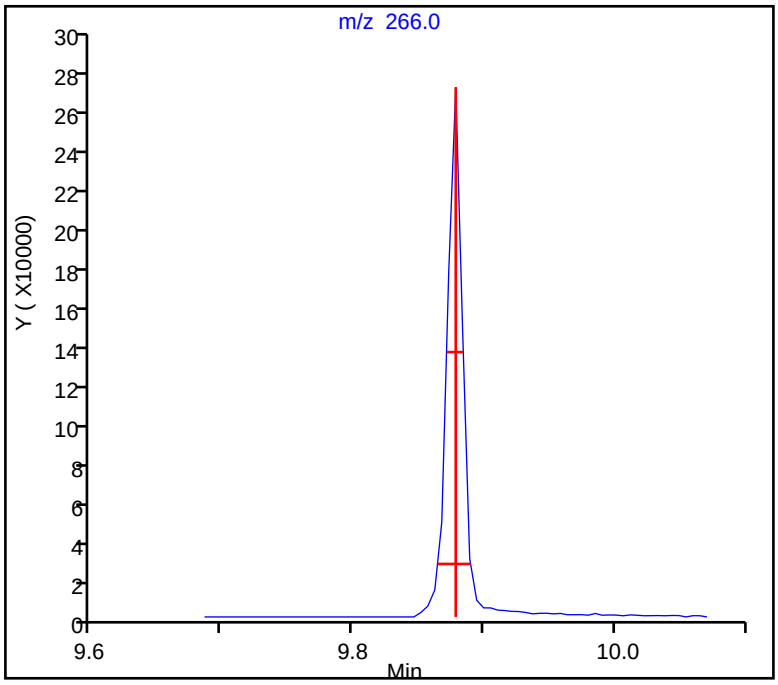
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147870.D
Injection Date: 02-Nov-2020 17:13:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

90 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.011 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.8, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147896.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 03-Nov-2020 05:07:30 ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-028
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:53:12 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: marshallj Date: 03-Nov-2020 09:09:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152		6.256				4.00	ND	
* 2 Naphthalene-d8	136		7.346				4.00	ND	
* 3 Acenaphthene-d10	164		8.810				4.00	ND	
* 4 Phenanthrene-d10	188		10.039				4.00	ND	
* 5 Chrysene-d12	240		12.464				4.00	ND	
* 6 Perylene-d12	264		14.344				4.00	ND	
90 Pentachlorophenol_T	266	9.878	9.878	0.000	0	213562	NR	NR	a
98 DFTPP									
112 Benzidine_T	184	11.144	11.144	0.000	0	1137457	NR	NR	a
118 4,4'-DDD	235	11.620	11.620	0.000	78	23699		NR	
126 4,4'-DDT	235	11.924	11.924	0.000	97	702765	NR	NR	
122 4,4'-DDE	246		12.764					ND	

QC Flag Legend

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

Reagents:

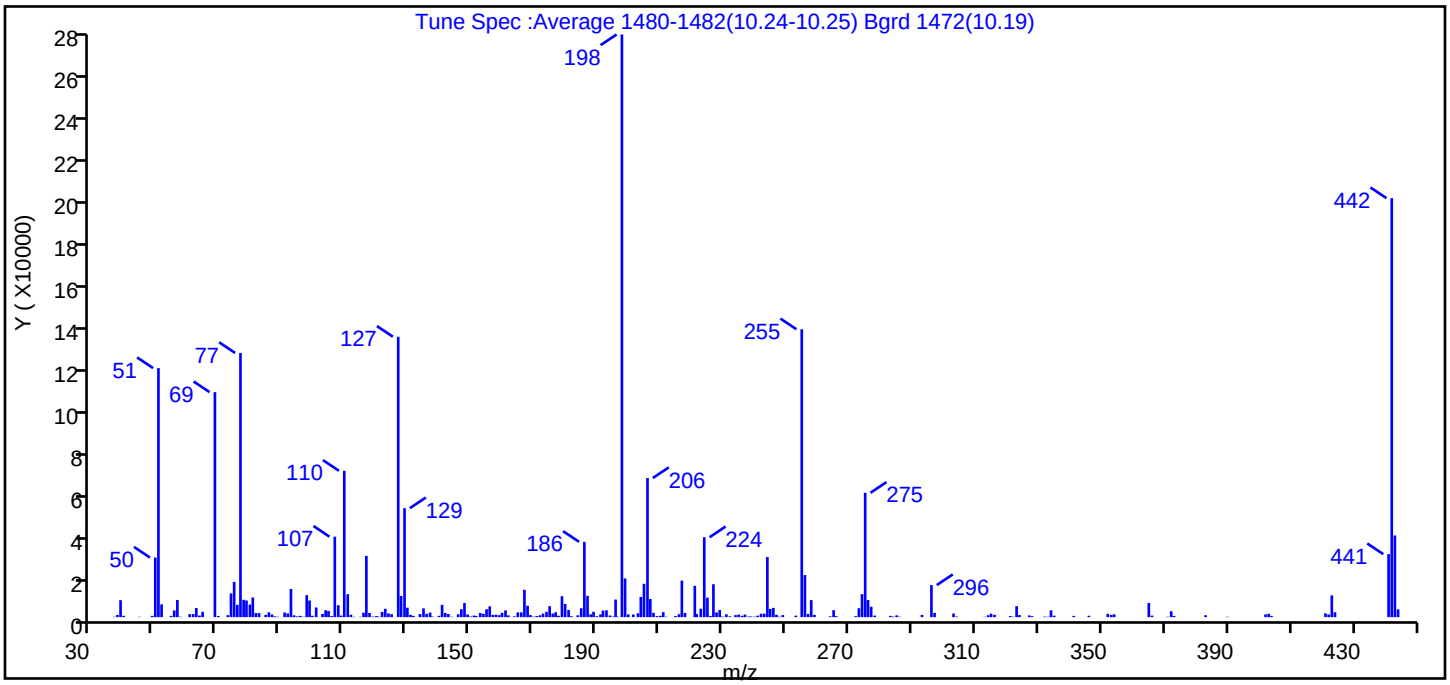
MB_DFTPP_WRK_00382 Amount Added: 1.00 Units: mL
MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147896.D
Injection Date: 03-Nov-2020 05:07:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (139.1)
51	10-80% of the base peak	42.7
68	<2% of mass 69	0.0 (0.0)
69	Present	38.6
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	48.1
197	<2% of mass 198	0.1
199	5-9% of mass 198	6.6
275	10-60% of the base peak	21.3
365	>1% of mass 198	2.4
441	present but <24% of mass 442	10.8 (15.0)
442	base peak, or >50% of 198	71.9
443	15-24% of mass 442	14.0 (19.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147896.D\8270_LVI.rslt\spectra.d
Injection Date: 03-Nov-2020 05:07:30
Spectrum: Tune Spec :Average 1480-1482(10.24-10.25) Bgrd 1472(10.19)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 243

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	172	118.00	1950	185.00	4230	256.00	19896
38.00	1045	119.00	274	186.00	35584	257.00	1503
39.00	8017	120.00	514	187.00	10078	258.00	8053
40.00	648	121.00	207	188.00	1334	259.00	1111
45.00	173	122.00	2472	189.00	2531	264.00	393
49.00	611	123.00	3942	190.00	413	265.00	3297
50.00	28152	124.00	1781	191.00	1258	266.00	471
51.00	117656	125.00	1445	192.00	3082	272.00	483
52.00	6025	127.00	132480	193.00	3244	273.00	4212
55.00	604	128.00	10012	194.00	775	274.00	10866
56.00	3170	129.00	51480	195.00	267	275.00	58752
57.00	8123	130.00	4471	196.00	8308	276.00	8125
58.00	199	131.00	1102	197.00	215	277.00	4903
61.00	1398	132.00	609	198.00	275264	278.00	748
62.00	1455	134.00	1458	199.00	18280	283.00	609
63.00	4311	135.00	4152	200.00	1301	284.00	286
64.00	740	136.00	1555	202.00	1256	285.00	836
65.00	2525	137.00	2135	203.00	1835	286.00	191
69.00	106296	138.00	283	204.00	9533	293.00	1064
70.00	575	140.00	611	205.00	15756	296.00	15149
73.00	957	141.00	5803	206.00	65720	297.00	2001
74.00	11211	142.00	1996	207.00	8561	303.00	1688
75.00	16656	143.00	1488	208.00	2043	304.00	267
76.00	5793	144.00	198	209.00	507	313.00	175
77.00	124808	146.00	1357	210.00	644	314.00	890
78.00	8195	147.00	3726	211.00	2379	315.00	1631
79.00	7856	148.00	6689	212.00	179	316.00	1093
80.00	5935	149.00	1260	215.00	555	321.00	564
81.00	9253	150.00	300	216.00	1366	322.00	188
82.00	1937	151.00	721	217.00	17240	323.00	5173
83.00	1892	152.00	579	218.00	1971	324.00	984
85.00	1079	153.00	1969	221.00	14783	327.00	824
86.00	2287	154.00	1560	222.00	1435	328.00	468

Report Date: 03-Nov-2020 14:53:12 Chrom Revision: 2.3 14-Oct-2020 14:51:38
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147896.D\8270_LVI.rslt\spectra.d
Injection Date: 03-Nov-2020 05:07:30
Spectrum: Tune Spec :Average 1480-1482(10.24-10.25) Bgrd 1472(10.19)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 243

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1251	155.00	3721	223.00	3991	332.00	266
88.00	392	156.00	5109	224.00	37760	333.00	210
89.00	186	157.00	1073	225.00	9192	334.00	3195
91.00	2176	158.00	1146	226.00	579	335.00	691
92.00	1756	159.00	943	227.00	15554	341.00	595
93.00	13319	160.00	2046	228.00	2231	346.00	656
94.00	860	161.00	3175	229.00	3371	352.00	1566
95.00	373	162.00	823	230.00	274	353.00	1053
96.00	610	164.00	387	231.00	1346	354.00	1350
97.00	181	165.00	2235	232.00	387	365.00	6727
98.00	10408	166.00	2240	234.00	956	366.00	743
99.00	7868	167.00	12936	235.00	1206	371.00	200
100.00	654	168.00	5365	236.00	627	372.00	2775
101.00	4572	169.00	978	237.00	1235	373.00	590
103.00	1488	170.00	216	238.00	282	383.00	895
104.00	3266	171.00	501	239.00	291	390.00	201
105.00	2890	172.00	874	240.00	203	402.00	1308
106.00	489	173.00	1658	241.00	703	403.00	1601
107.00	38016	174.00	2521	242.00	1596	404.00	605
108.00	5621	175.00	5178	243.00	1642	421.00	1774
109.00	724	176.00	1675	244.00	28392	422.00	1225
110.00	69136	177.00	2306	245.00	3885	423.00	10295
111.00	10854	178.00	675	246.00	4381	424.00	2304
112.00	1112	179.00	9900	247.00	1118	441.00	29768
113.00	188	180.00	6263	248.00	218	442.00	197952
115.00	174	181.00	3407	249.00	980	443.00	38600
116.00	2097	182.00	441	253.00	729	444.00	3674
117.00	28944	184.00	862	255.00	136000		

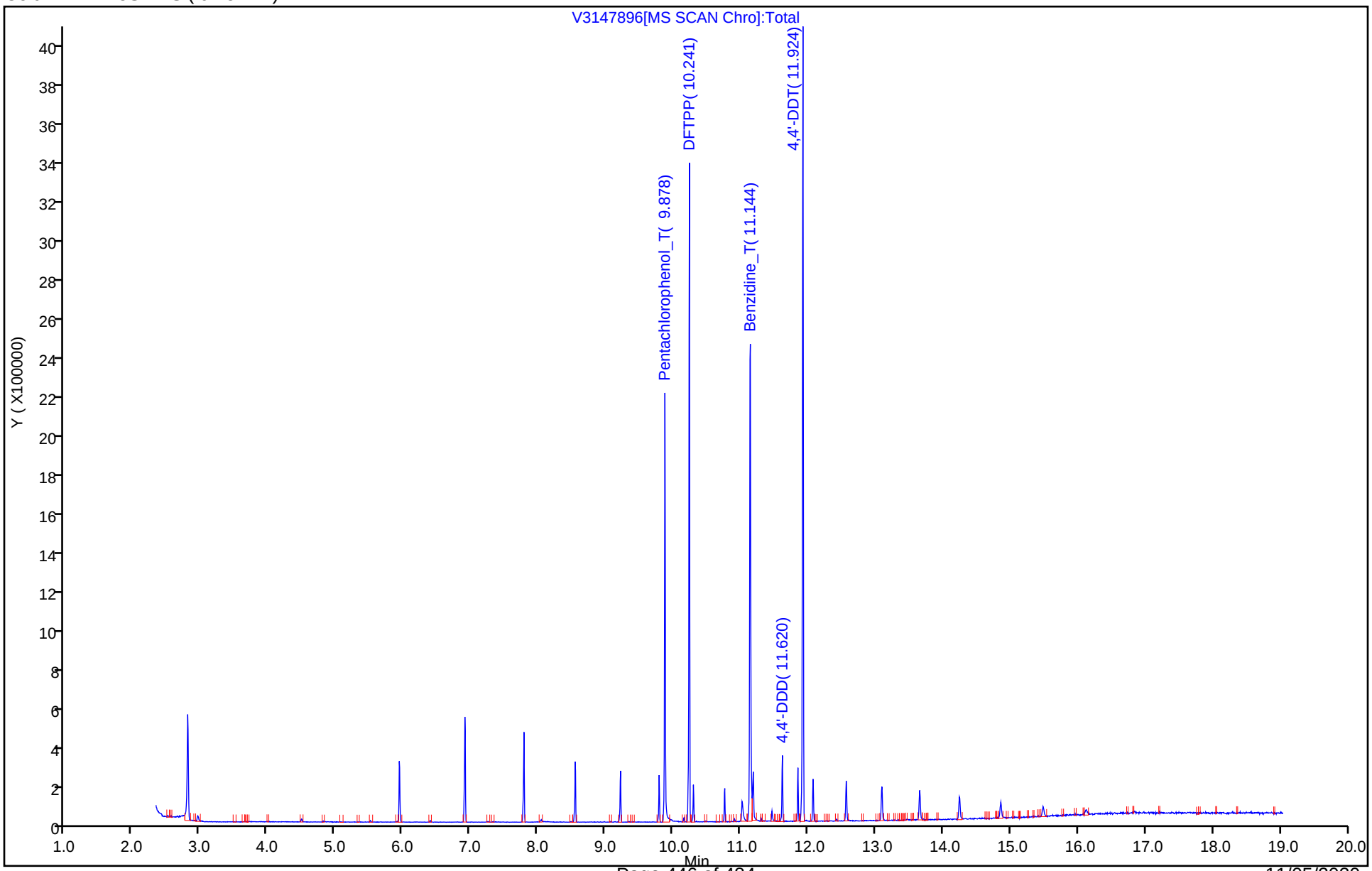
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147896.D

Injection Date:	03-Nov-2020 05:07:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

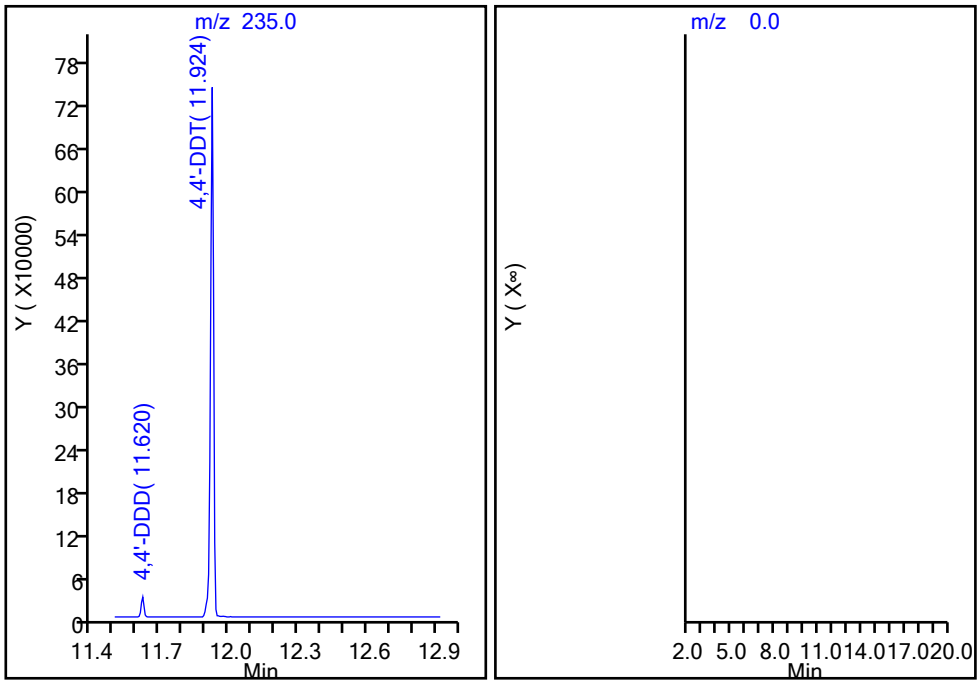


Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147896.D
Injection Date: 03-Nov-2020 05:07:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

126 4,4'-DDT, Detector: MS SCAN



SW-846 Method

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

126 4,4'-DDT, Area = 702765
118 4,4'-DDD, Area = 23699
122 4,4'-DDE, Area = 0

%Breakdown: 3.26%, <= 20.00%
Passed

Peak Tailing Report

Eurofins TestAmerica, Buffalo

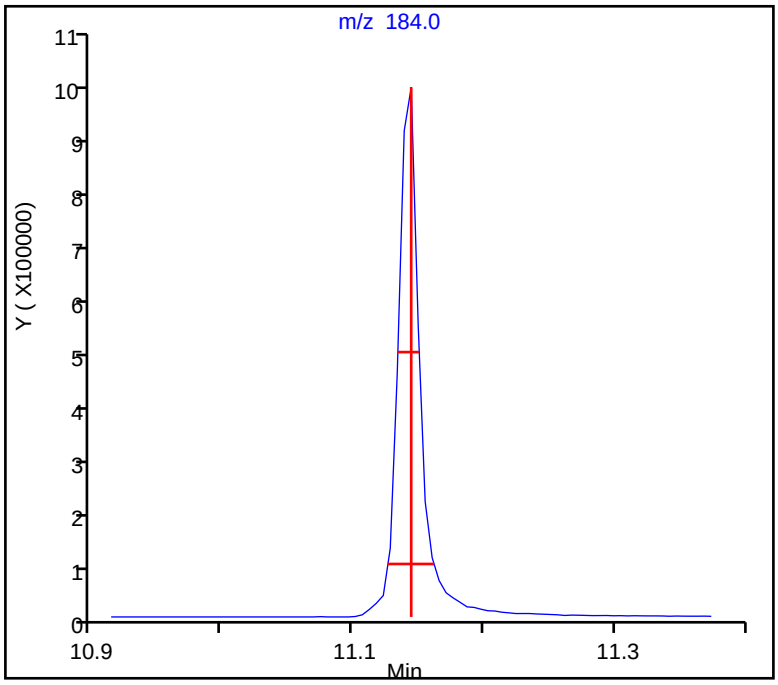
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147896.D
Injection Date: 03-Nov-2020 05:07:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

112 Benzidine_T, Detector: MS SCAN

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

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

Tailing Factor = 1.0, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

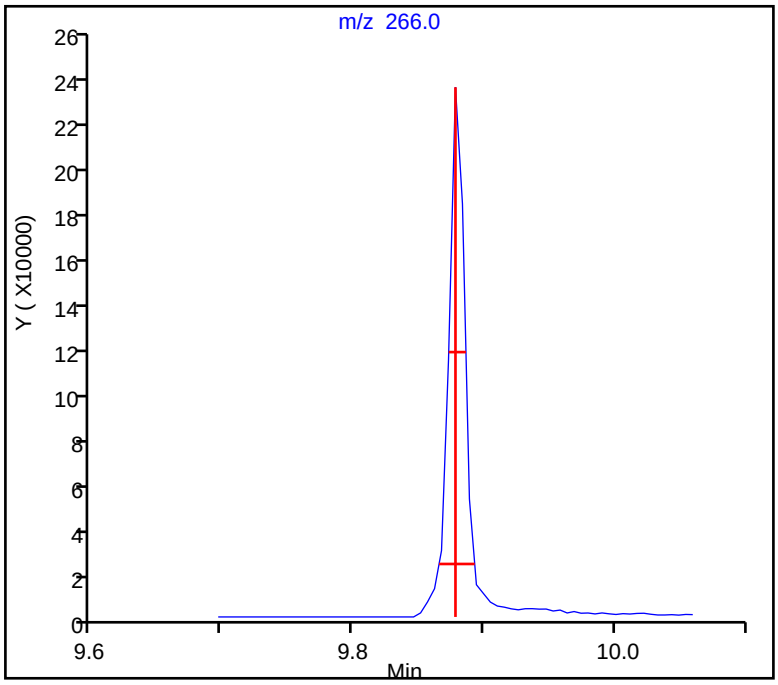
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94635.b\V3147896.D
Injection Date: 03-Nov-2020 05:07:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

90 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.015 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.2, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147937.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Nov-2020 01:28:30 ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094668-002
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Nov-2020 13:51:02 Calib Date: 03-Nov-2020 16:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94666.b\V3147918.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: quirkp Date: 04-Nov-2020 13:51:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152		6.251				4.00	ND	
* 2 Naphthalene-d8	136		7.346				4.00	ND	
* 3 Acenaphthene-d10	164		8.810				4.00	ND	
* 4 Phenanthrene-d10	188		10.038				4.00	ND	
* 5 Chrysene-d12	240		12.459				4.00	ND	
* 6 Perylene-d12	264		14.344				4.00	ND	
90 Pentachlorophenol_T	266	9.878	9.878	0.000	0	126252	NR	NR	a
98 DFTPP									
112 Benzidine_T	184	11.139	11.139	0.000	0	1020212	NR	NR	a
118 4,4'-DDD	235	11.620	11.620	0.000	79	19800		NR	
126 4,4'-DDT	235	11.924	11.924	0.000	98	584282	NR	NR	
122 4,4'-DDE	246	11.305	11.305	0.000	87	3466		NR	

QC Flag Legend

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

Reagents:

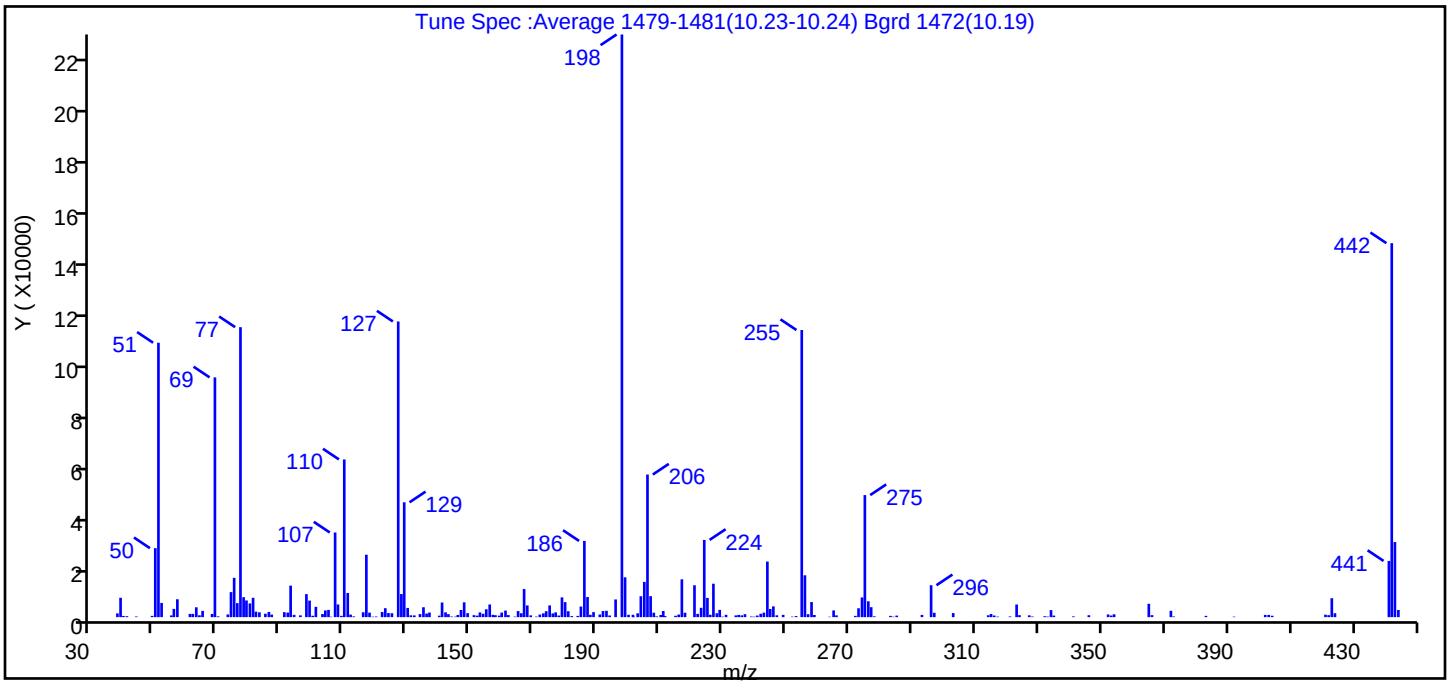
MB_DFTPP_WRK_00382 Amount Added: 1.00 Units: mL
MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147937.D
Injection Date: 04-Nov-2020 01:28:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (155.8)
51	10-80% of the base peak	47.1
68	<2% of mass 69	0.5 (1.3)
69	Present	41.2
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	50.7
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.8
275	10-60% of the base peak	20.9
365	>1% of mass 198	2.3
441	present but <24% of mass 442	9.6 (15.0)
442	base peak, or >50% of 198	64.2
443	15-24% of mass 442	12.9 (20.1)

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147937.D\8270_LVI.rslt\spectra.d
Injection Date: 04-Nov-2020 01:28:30
Spectrum: Tune Spec :Average 1479-1481(10.23-10.24) Bgrd 1472(10.19)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 227

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1481	119.00	179	185.00	4169	256.00	16472
39.00	7618	120.00	245	186.00	29992	257.00	1161
40.00	479	122.00	2016	187.00	7913	258.00	5935
41.00	383	123.00	3516	188.00	921	259.00	843
44.00	256	124.00	1608	189.00	1979	264.00	169
49.00	499	125.00	1543	191.00	1032	265.00	2641
50.00	27136	127.00	116328	192.00	2398	266.00	694
51.00	107968	128.00	9084	193.00	2495	272.00	501
52.00	5589	129.00	45184	194.00	652	273.00	3494
55.00	675	130.00	3626	196.00	6963	274.00	7746
56.00	3247	131.00	721	198.00	229248	275.00	48024
57.00	7039	132.00	689	199.00	15673	276.00	6237
61.00	1281	134.00	1210	200.00	920	277.00	3923
62.00	1288	135.00	3896	202.00	914	278.00	310
63.00	3877	136.00	1404	202.00	185	283.00	500
64.00	731	137.00	1805	203.00	1513	284.00	172
65.00	2461	140.00	585	204.00	8227	285.00	609
68.00	1258	141.00	5759	205.00	13868	293.00	877
69.00	94336	142.00	1903	206.00	56112	296.00	12557
70.00	314	143.00	1180	207.00	8268	297.00	1716
73.00	1063	144.00	237	208.00	1756	303.00	1607
74.00	9848	145.00	193	209.00	295	314.00	737
75.00	15468	146.00	860	210.00	853	315.00	1252
76.00	5512	147.00	2818	211.00	2424	316.00	635
77.00	114096	148.00	5825	212.00	415	317.00	211
78.00	7850	149.00	1567	215.00	547	321.00	271
79.00	6568	151.00	782	216.00	1011	323.00	4972
80.00	5397	152.00	597	217.00	14878	324.00	781
81.00	7619	153.00	1847	218.00	1738	327.00	718
82.00	2149	154.00	1341	221.00	12549	328.00	240
83.00	1900	155.00	3101	222.00	1290	332.00	351
85.00	1345	156.00	4982	223.00	3668	333.00	223
86.00	2043	157.00	912	224.00	30392	334.00	2776

Report Date: 04-Nov-2020 13:51:02 Chrom Revision: 2.3 14-Oct-2020 14:51:38
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147937.D\8270_LVI.rslt\spectra.d
Injection Date: 04-Nov-2020 01:28:30
Spectrum: Tune Spec :Average 1479-1481(10.23-10.24) Bgrd 1472(10.19)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 227

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1017	158.00	761	225.00	7570	335.00	611
91.00	1950	159.00	589	226.00	935	341.00	299
92.00	1797	160.00	1797	227.00	13154	346.00	763
93.00	12385	161.00	2574	228.00	1525	352.00	1052
94.00	891	162.00	806	229.00	2862	353.00	633
96.00	708	164.00	208	230.00	194	354.00	1116
98.00	9066	165.00	2387	231.00	912	365.00	5243
99.00	6513	166.00	1526	234.00	681	366.00	793
100.00	548	167.00	11058	235.00	874	372.00	2490
101.00	4059	168.00	4603	236.00	708	373.00	257
103.00	1221	169.00	704	237.00	1165	383.00	509
104.00	2639	171.00	217	239.00	242	392.00	202
105.00	2853	172.00	1023	240.00	186	402.00	885
106.00	168	173.00	1504	241.00	631	403.00	872
107.00	33304	174.00	2344	242.00	1321	404.00	547
108.00	4995	175.00	4615	243.00	1775	421.00	964
109.00	501	176.00	1458	244.00	21872	422.00	773
110.00	62056	177.00	1883	245.00	3200	423.00	7452
111.00	9518	178.00	634	246.00	4246	424.00	1536
112.00	999	179.00	7774	247.00	729	441.00	22112
113.00	293	180.00	5905	249.00	903	442.00	147136
116.00	1913	181.00	2325	252.00	190	443.00	29544
117.00	24552	182.00	421	253.00	424	444.00	2811
118.00	1772	184.00	489	255.00	112968		

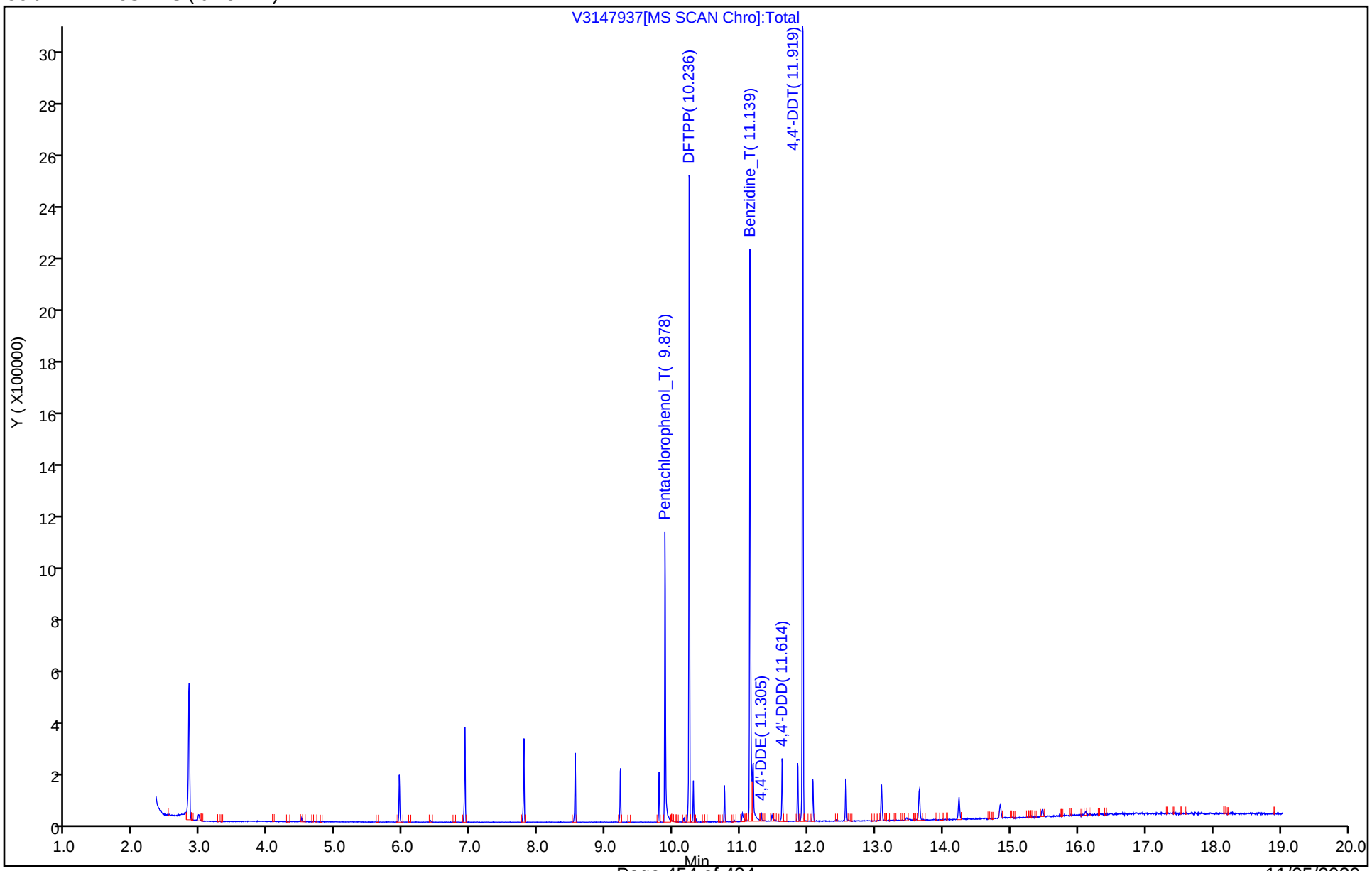
Report Date: 04-Nov-2020 13:51:02 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147937.D

Injection Date:	04-Nov-2020 01:28:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147937.D
Injection Date: 04-Nov-2020 01:28:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

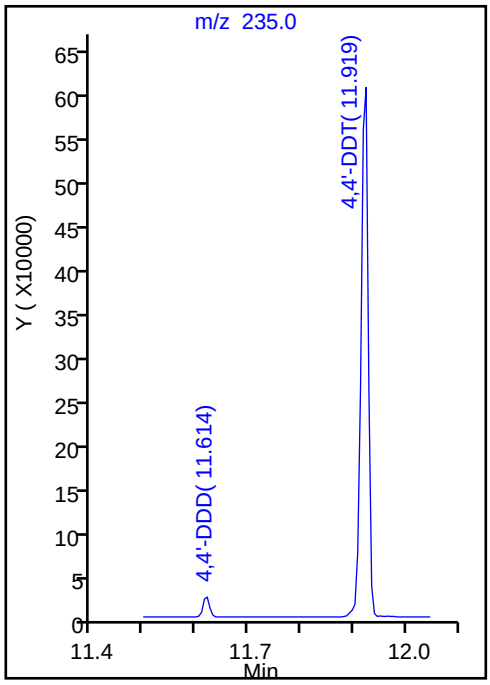
126 4,4'-DDT, Detector: MS SCAN

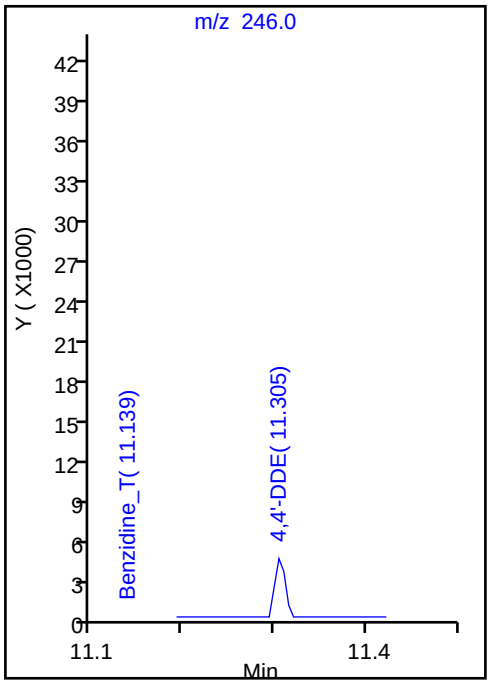
SW-846 Method

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

126 4,4'-DDT, Area = 584282
118 4,4'-DDD, Area = 19800
122 4,4'-DDE, Area = 3466

%Breakdown: 3.83%, <= 20.00%
Passed





Peak Tailing Report

Eurofins TestAmerica, Buffalo

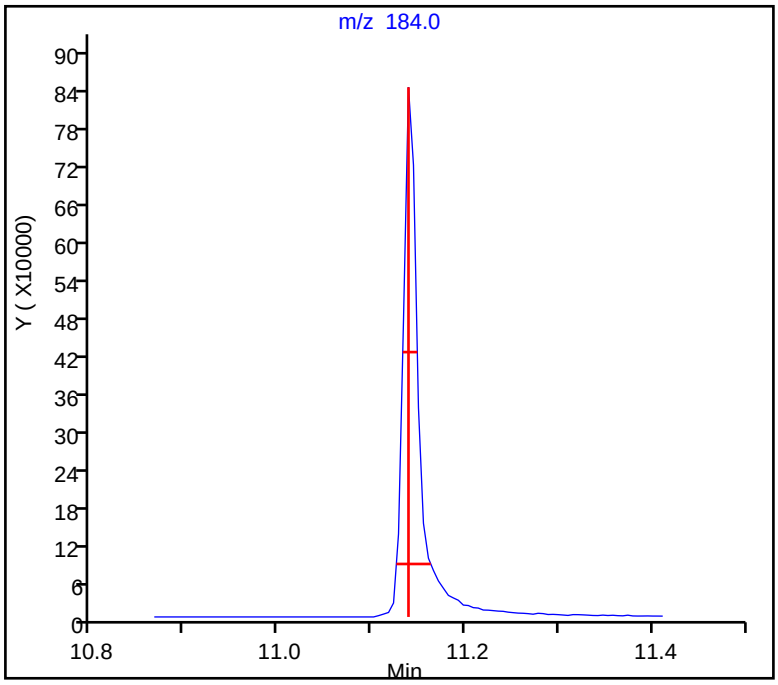
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147937.D
Injection Date: 04-Nov-2020 01:28:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

112 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.024 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.9, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

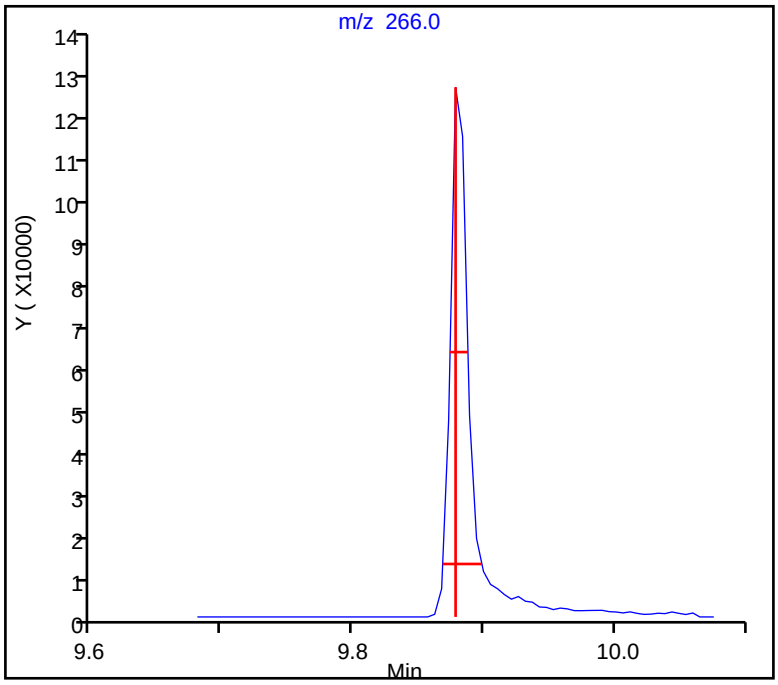
Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201103-94668.b\V3147937.D
Injection Date: 04-Nov-2020 01:28:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL

90 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.020 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 2.0, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo | Job No.: 480-177111-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-556151/1-A

Matrix: Water | Lab File ID: V3147881.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) | Date Analyzed: 11/02/2020 22:16

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

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

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

Analysis Batch No.: 556960 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-556151/1-A

Matrix: Water Lab File ID: V3147881.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/02/2020 22:16

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

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

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

Analysis Batch No.: 556960 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-556151/1-A

Matrix: Water Lab File ID: V3147881.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/02/2020 22:16

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

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

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

Analysis Batch No.: 556960 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	83		41-120
321-60-8	2-Fluorobiphenyl	90		48-120
367-12-4	2-Fluorophenol	66		35-120
4165-60-0	Nitrobenzene-d5	90		46-120
1718-51-0	p-Terphenyl-d14	98		60-148
4165-62-2	Phenol-d5	51		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147881.D
Lims ID: MB 480-556151/1-A
Client ID:
Sample Type: MB
Inject. Date: 02-Nov-2020 22:16:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-013
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:44:07 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 13:54:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.262	6.256	0.006	98	165514	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	100	660406	4.00	4.00	
* 3 Acenaphthene-d10	164	8.805	8.810	-0.005	94	358023	4.00	4.00	
* 4 Phenanthrene-d10	188	10.033	10.039	-0.005	97	567337	4.00	4.00	
* 5 Chrysene-d12	240	12.459	12.464	-0.005	99	523855	4.00	4.00	
* 6 Perylene-d12	264	14.339	14.344	-0.005	96	381054	4.00	4.00	
$ 7 2-Fluorophenol	112	5.108	5.086	0.022	94	310329	8.00	5.30	
$ 8 Phenol-d5	99	5.936	5.936	0.000	91	300700	8.00	4.12	
$ 9 Nitrobenzene-d5	82	6.732	6.737	-0.005	90	447977	8.00	7.23	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	804139	8.00	7.18	
$ 11 2,4,6-Tribromophenol	330	9.456	9.462	-0.006	91	91912	8.00	6.62	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	97	1019080	8.00	7.83	a
269 Lidocaine	1		0.500					ND	
13 o-Anisidine	1		0.500					ND	
55 1,4-Dioxane	88		3.302					ND	
53 N-Nitrosodimethylamine	42		3.681					ND	
52 Pyridine	52		3.697					ND	
62 2-Picoline	93		3.970					ND	
63 N-Nitrosomethylethylamine	88		4.141					ND	
65 Methyl methanesulfonate	80		4.467					ND	
235 Acrylamide	44		4.536					ND	
54 1-Methylcyclopentanol	71		4.665					ND	
70 N-Nitrosodiethylamine	102		4.851					ND	
76 Ethyl methanesulfonate	79		5.156					ND	
56 2-Chlorobenzotrifluoride	180		5.215					ND	
57 4-Chlorobenzotrifluoride	180		5.285					ND	
58 n,n'-Dimethylacetamide	87		5.344					ND	
59 4-Chloropyridine	78		5.546					ND	
81 Pentachloroethane	167		5.562					ND	
60 3-Chloropyridine	78		5.611					ND	
61 3-Chlorobenzotrifluoride	180		5.685					ND	
71 Benzaldehyde	77		5.877					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
72 Phenol	94		5.952					ND	
64 2-Chloropyridine	78		5.968					ND	
69 Aniline	93		5.973					ND	
74 Bis(2-chloroethyl)ether	93		6.026					ND	
75 2-Chlorophenol	128		6.075					ND	
261 n-Decane	57	6.123	6.117	0.006	90	7524		0.0908	
66 2-Chlorotoluene	91		6.124					ND	
67 3-Chlorotoluene	91		6.145					ND	
93 N-Nitrosopyrrolidine	100		6.171					ND	
68 4-Chlorotoluene	91		6.177					ND	
95 N-Nitrosomorpholine	56		6.197					ND	
78 1,3-Dichlorobenzene	146		6.208					ND	
96 2-Toluidine	106		6.213					ND	
77 1,4-Dichlorobenzene	146		6.272					ND	
79 Benzyl alcohol	108		6.379					ND	
73 1,2-Dichlorobenzene	146		6.406					ND	
15 p-Fluoroaniline	111		6.449					ND	
104 N-Nitrosopiperidine	114		6.459					ND	
82 2-Methylphenol	108		6.475					ND	
230 Indene	115		6.486					ND	
83 2,2'-oxybis[1-chloropropane]	45		6.491					ND	
91 4-Methylbenzenamine	106		6.550					ND	
87 N-Nitrosodi-n-propylamine	70		6.609					ND	
88 4-Methylphenol	108		6.609					ND	
86 Acetophenone	105	6.598	6.609	-0.011	95	3909		0.0486	
109 o,o',o''-Triethylphosphorothioat	198		6.694					ND	
89 Hexachloroethane	117		6.700					ND	
85 Nitrobenzene	77		6.753					ND	
111 alpha,alpha-Dimethyl phenethylam	58		6.774					ND	
254 n,n'-Dimethylaniline	120		6.799					ND	
80 N-Methylaniline	106		6.893					ND	
102 2-Chloroaniline	127		6.897					ND	
94 Isophorone	82		6.956					ND	
116 Hexachloropropene	213		7.009					ND	
101 Tetraethyl lead	237		7.009					ND	
97 2-Nitrophenol	139		7.025					ND	
99 2,4-Dimethylphenol	107		7.052					ND	
27 2,6-Dichloropyridine	112		7.112					ND	
103 Bis(2-chloroethoxy)methane	93		7.132					ND	
105 Benzoic acid	105		7.202					ND	
42 Quinoline	129		7.218					ND	
106 2,4-Dichlorophenol	162		7.228					ND	
46 2,4-Dichlorotoluene	125		7.261					ND	
119 N-Nitrosodi-n-butylamine	84		7.266					ND	
113 Alpha-Terpineol	59		7.271					ND	
120 p-Phenylene diamine	108		7.287					ND	
100 1,2,4-Trichlorobenzene	180		7.298					ND	
92 Benzeneacetonitrile	117		7.320					ND	
25 1,3,5-Trichlorobenzene	180		7.341					ND	
107 Naphthalene	128		7.367					ND	
108 4-Chloroaniline	127		7.405					ND	
115 2,6-Dichlorophenol	162		7.415					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
123 Safrole, Total	162		7.442					ND	
110 Hexachlorobutadiene	225		7.469					ND	
49 4-Chlorophenol	128		7.587					ND	
286 Isosafrole Peak 1	162		7.683					ND	
114 Caprolactam	113		7.720					ND	
117 4-Chloro-3-methylphenol	107		7.811					ND	
221 Benzeneacetic acid (TIC)	91		7.844					ND	
288 Isosafrole Peak 2	162		7.870					ND	
133 Isosafrole	162		7.870					ND	
128 Phthalic anhydride	104		7.886					ND	
237 1-Chloronaphthalene	162		7.934					ND	
121 2-Methylnaphthalene	142		7.944					ND	
236 1-Methylnaphthalene	142		8.024					ND	
136 1,4-Naphthoquinone	158		8.067					ND	
283 2,3-Dichlorobenzenamine	161		8.078					ND	
125 Hexachlorocyclopentadiene	237		8.078					ND	
124 1,2,4,5-Tetrachlorobenzene	216		8.083					ND	
138 1,4-Dinitrobenzene	168		8.126					ND	
127 2,4,6-Trichlorophenol	196		8.174					ND	
129 2,4,5-Trichlorophenol	196		8.206					ND	
281 2,4,5-Trichlorotoluene	159		8.223					ND	
130 1,1'-Biphenyl	154		8.324					ND	
131 2-Chloronaphthalene	162		8.345					ND	
29 Dicyclohexylamine	138		8.409					ND	
132 2-Nitroaniline	65		8.425					ND	
146 Pentachlorobenzene	250		8.516					ND	
134 Dimethyl phthalate	163		8.569					ND	
139 1,3-Dinitrobenzene	168		8.596					ND	
148 1-Naphthylamine	143		8.607					ND	
268 2,3,5,6-Tetrachlorophenol	232		8.617					ND	
135 2,6-Dinitrotoluene	165		8.617					ND	
284 1,2,3,4 -Tetrachlorobenzene	216		8.645					ND	
150 2-Naphthylamine	143		8.671					ND	
137 Acenaphthylene	152		8.692					ND	
140 3-Nitroaniline	138		8.762					ND	
155 Thionazin	97		8.783					ND	
141 Acenaphthene	153		8.836					ND	
156 N-Nitro-o-toluidine	152		8.842					ND	
142 2,4-Dinitrophenol	184		8.847					ND	
143 4-Nitrophenol	109		8.895					ND	
144 2,4-Dinitrotoluene	165		8.954					ND	
145 Dibenzofuran	168		8.975					ND	
162 Sulfotepp	322		9.039					ND	
147 2,3,4,6-Tetrachlorophenol	232		9.077					ND	
289 Diallate Peak 1	86		9.146					ND	
165 Diallate	86		9.146					ND	
149 Diethyl phthalate	149		9.146					ND	
166 Phorate	121		9.152					ND	
240 Hexadecane	57	9.152	9.152	0.000	92	4441		0.0486	
167 Phenacetin	108		9.178					ND	
163 1,3,5-Trinitrobenzene	213		9.189					ND	
161 Tributyl phosphate	99		9.216					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
291 Diallate Peak 2	86		9.221					ND	
152 4-Chlorophenyl phenyl ether	204		9.248					ND	
151 Fluorene	166		9.259					ND	
153 4-Nitroaniline	138		9.269					ND	
154 4,6-Dinitro-2-methylphenol	198		9.291					ND	
169 Dimethoate	87		9.296					ND	
160 Diphenylamine	169		9.344					ND	
157 N-Nitrosodiphenylamine	169		9.344					ND	
158 Azobenzene	77		9.381					ND	
159 1,2-Diphenylhydrazine	77		9.381					ND	
173 4-Aminobiphenyl	169		9.435					ND	
174 Pentachloronitrobenzene	237		9.456					ND	
175 Pronamide	173	9.456	9.478	-0.027	56	1556		NC	
179 Disulfoton	88		9.579					ND	
178 Dinoseb	211		9.595					ND	
164 4-Bromophenyl phenyl ether	248		9.654					ND	
171 Simazine	201		9.654					ND	
168 Hexachlorobenzene	284		9.723					ND	
170 Atrazine	200		9.777					ND	
172 Pentachlorophenol	266		9.878					ND	
182 Methyl parathion	109		9.894					ND	
266 n-Octadecane	57		9.910					ND	U
177 Phenanthrene	178	10.049	10.055	-0.006	50	3548		0.0222	
180 Anthracene	178		10.097					ND	
186 Ethyl Parathion	97		10.209					ND	
181 Carbazole	167		10.220					ND	
183 Alachlor	160		10.231					ND	
187 4-Nitroquinoline-1-oxide	190		10.258					ND	
188 Methapyrilene	58		10.295					ND	
190 Isodrin	193		10.455					ND	
184 Di-n-butyl phthalate	149		10.482					ND	
229 Octachlorostyrene	308		10.507					ND	
185 Anthraquinone	180		10.605					ND	
287 Aramite Peak 1	185		10.861					ND	
285 2-Methylanthracene	192		10.889					ND	
195 Aramite, Total	185		10.925					ND	
290 Aramite Peak 2	185		10.925					ND	
189 1-Hydroxyanthraquinone	224		10.957					ND	
196 p-Dimethylamino azobenzene	120		11.011					ND	
197 Chlorobenzilate	139		11.037					ND	
191 Fluoranthene	202		11.043					ND	
192 Benzidine	184		11.139					ND	
193 Pyrene	202		11.241					ND	
201 3,3'-Dimethylbenzidine	212	11.358	11.299	0.053	56	75097		NC	
194 1,4-Dihydroxyanthraquinone	240		11.363					ND	U
203 2-Acetylaminofluorene	181		11.550					ND	
199 Famphur	218		11.641					ND	
198 9-Octadecenamide	59		11.695					ND	
202 Kepone	272		11.764					ND	
200 Butyl benzyl phthalate	149	11.807	11.807	0.000	92	3262		0.0382	
36 4,4'-Methylene bis(2-chloroanil	231		11.828					ND	
238 6-Methylchrysene	242		12.400					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
204 3,3'-Dichlorobenzidine	252		12.405					ND	
206 Bis(2-ethylhexyl) phthalate	149		12.426					ND	
205 Benzo[a]anthracene	228		12.448					ND	
207 Chrysene	228		12.491					ND	
224 CBF-400	214		12.699					ND	
210 7,12-Dimethylbenz(a)anthracene	256		13.089					ND	
208 Di-n-octyl phthalate	149		13.233					ND	
209 Benzo[b]fluoranthene	252		13.815					ND	
211 Benzo[k]fluoranthene	252		13.848					ND	
214 3-Methylcholanthrene	268		13.986					ND	
213 Benzo[a]pyrene	252		14.264					ND	
50 CAG-800	149		14.503					ND	
232 Dibenz[a,h]acridine	279		14.718					ND	
212 Hexachlorophene	196		15.024					ND	
44 NVF-400	82		15.181					ND	
282 Benzo[e]pyrene	252		15.221					ND	
215 Indeno[1,2,3-cd]pyrene	276		15.862					ND	
216 Dibenz(a,h)anthracene	278		15.883					ND	
217 Benzo[g,h,i]perylene	276		16.252					ND	
51 Dibenzo[a,e]pyrene	302		21.894					ND	
296 Ethylene Dibromide TIC	1		0.000					ND	
297 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
298 3'-Bromoacetophenone TIC	1		0.000					ND	
306 1-Bromo-2-chloroethane TIC	1		0.000					ND	
294 1,3-Dibromobenzene TIC	1		0.000					ND	
295 1,4-Dibromobenzene TIC	1		0.000					ND	
299 4-Bromofluorobenzene TIC	1		0.000					ND	
303 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
304 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
305 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
300 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
301 Fluorobenzene TIC	1		0.000					ND	
302 2-Bromopyridine TIC	1		0.000					ND	
292 2-Aminopyridine TIC	1		0.000					ND	
280 Photomirex TIC	1		0.000					ND	
253 1-Bromopropane	1		0.500					ND	
228 7H-Dibenzo[c,g]carbazole	1		0.500					ND	
248 Tetramethyl lead TIC	1		0.500					ND	
41 trans Azobenzene (TIC)	1		0.500					ND	
252 4,4'-Methylene bis(2-chloroanili	1		0.500					ND	
243 5-Methyl-o-Anisidine TIC	1		0.500					ND	
33 Benefin (TIC)	1		0.500					ND	
34 2,3-Dichlorophenol	1		0.500					ND	
28 Prometryn (TIC)	1		0.500					ND	
246 o-Anisidine TIC	1		0.500					ND	
241 2,4-Toluene diamine	1		0.500					ND	
250 2,4-Xylidine TIC	1		0.500					ND	
48 Phenylacetic Acid	1		0.500					ND	
239 Dibenz(a,i)pyrene	1		0.500					ND	
37 5-Methyl-o-Anisidine	1		0.500					ND	
233 Dibenzo[a,h]pyrene	1		0.500					ND	
231 Dibenz[a,j]acridine	279		0.500					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
30 Pendimethalin	1		0.500					ND	
227 Phenylmercaptan	110		0.500					ND	
38 Pendimethalin (TIC)	1		0.500					ND	
260 3-Chlorobenzotrifluoride TIC	1		0.500					ND	
257 4-Chlorobenzotrifluoride TIC	1		0.500					ND	
259 2,4-Dichlorotoluene TIC	1		0.500					ND	
258 2-Chlorobenzotrifluoride TIC	1		0.500					ND	
249 1,3-phenylenediamine TIC	1		0.500					ND	
245 Tris(2,3-dibromopropyl)phosphate	1		0.500					ND	
256 2,6-Dichlorotoluene TIC	1		0.500					ND	
251 Hexamethyldisiloxane TIC	1		0.500					ND	
118 4,4'-DDD	235		11.620					ND	
14 CN-500	112		15.193					ND	
225 CBF-500	161		16.271					ND	
47 CU-600	58		17.217					ND	
S 219 3-Methylphenol	1		0.500					ND	
S 218 3 & 4 Methylphenol	108		0.500					ND	
S 19 Chlorobenzotrifluoride N.O.S	1		0.500					ND	
S 220 Total Cresols	1		0.500					ND	
S 23 Chlorotoluene N.O.S	1		0.500					ND	
S 242 EPH Adjustment 1	1		0.500					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

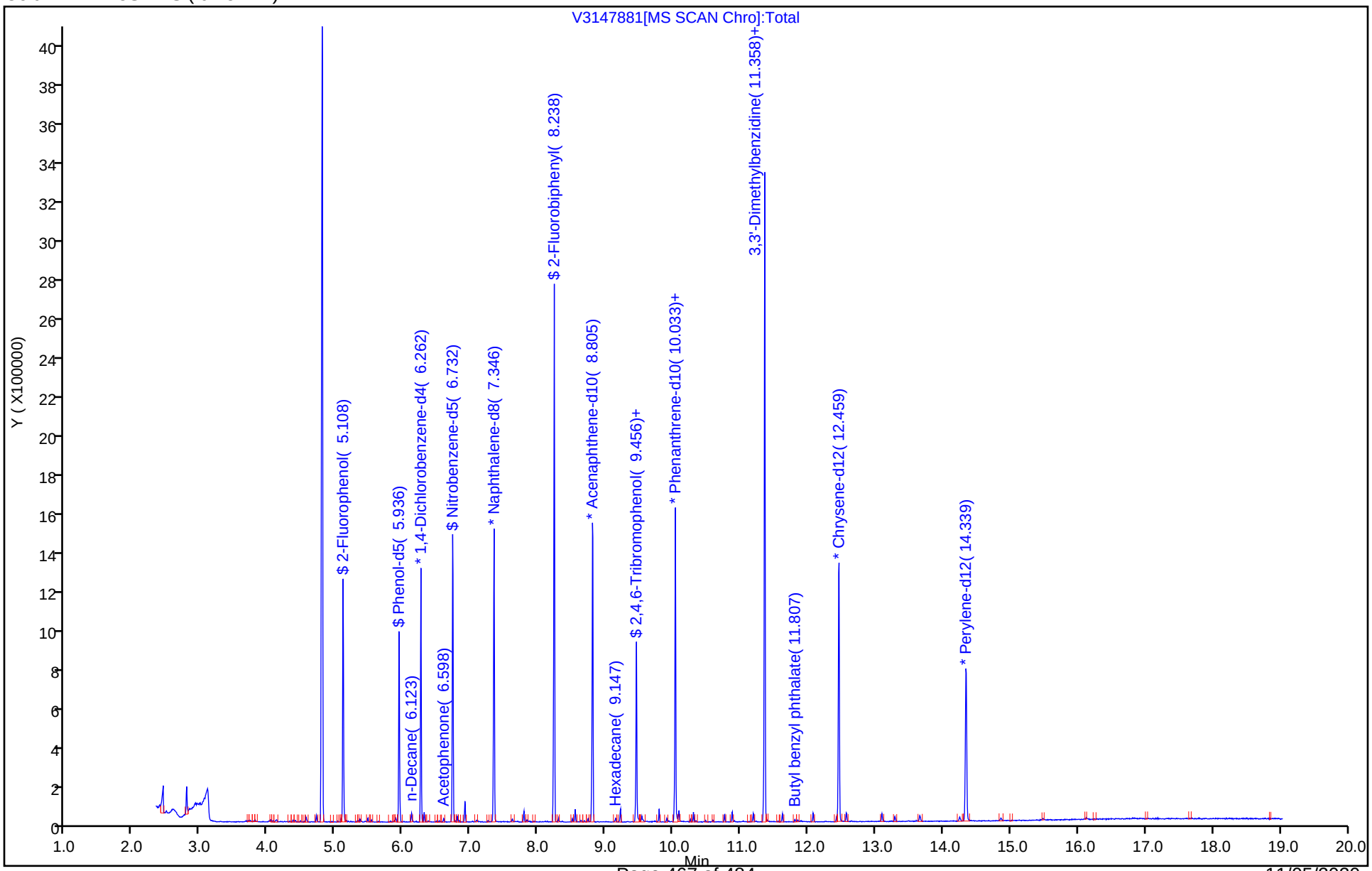
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147881.D

Injection Date:	02-Nov-2020 22:16:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	MB 480-556151/1-A			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

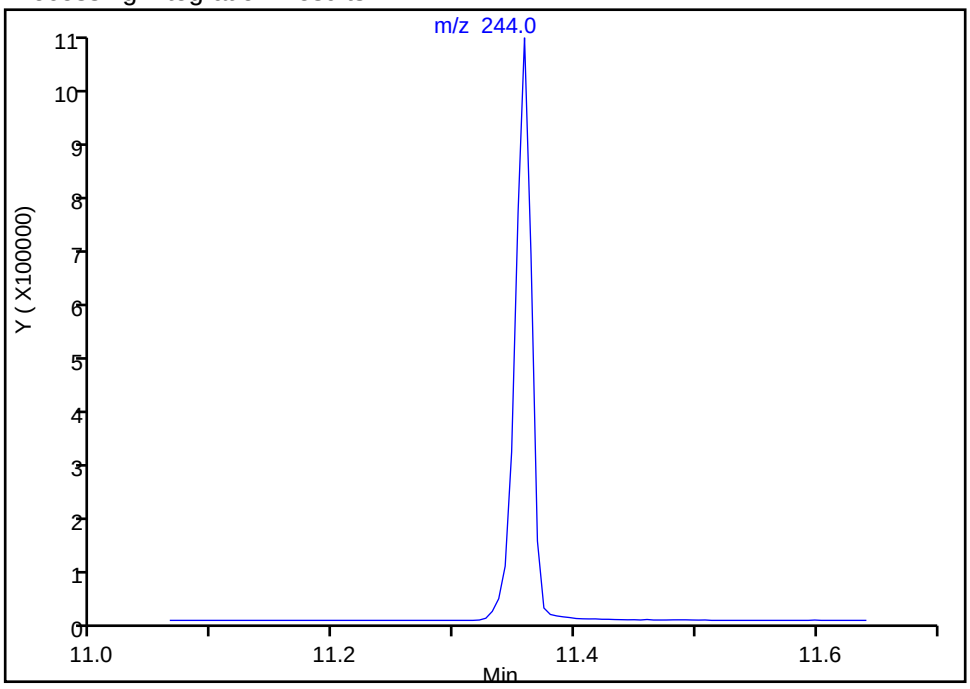
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Injection Date: 02-Nov-2020 22:16:30 Instrument ID: HP5973V
Lims ID: MB 480-556151/1-A
Client ID:
Operator ID: JM ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

$ 12 p-Terphenyl-d14, CAS: 1718-51-0

Signal: 1

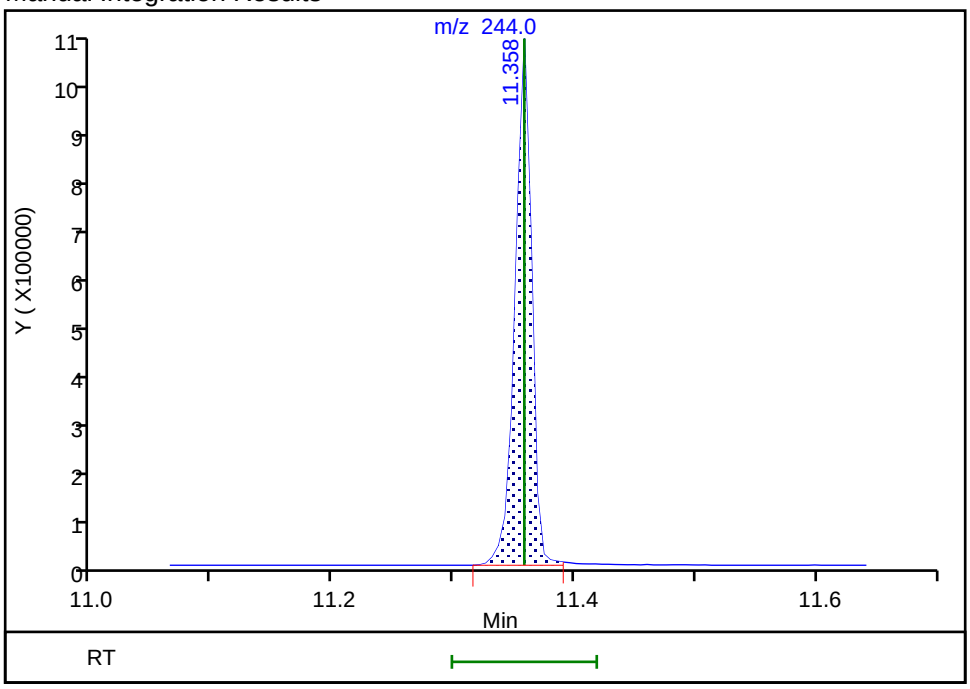
Not Detected
Expected RT: 11.36

Processing Integration Results



Manual Integration Results

RT: 11.36
Area: 1019080
Amount: 7.825679
Amount Units: ng/uL



Reviewer: schickr, 03-Nov-2020 14:28:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo | Job No.: 480-177111-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-556151/2-A

Matrix: Water | Lab File ID: V3147882.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) | Date Analyzed: 11/02/2020 22:44

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

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

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

Analysis Batch No.: 556960 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	30.7		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	27.6		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	33.3		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	34.7		5.0	0.61
120-83-2	2,4-Dichlorophenol	31.7		5.0	0.51
105-67-9	2,4-Dimethylphenol	32.2		5.0	0.50
51-28-5	2,4-Dinitrophenol	64.9		10	2.2
121-14-2	2,4-Dinitrotoluene	35.6		5.0	0.45
606-20-2	2,6-Dinitrotoluene	35.3		5.0	0.40
91-58-7	2-Chloronaphthalene	30.2		5.0	0.46
95-57-8	2-Chlorophenol	29.3		5.0	0.53
91-57-6	2-Methylnaphthalene	29.8		5.0	0.60
95-48-7	2-Methylphenol	29.8		5.0	0.40
88-74-4	2-Nitroaniline	34.3		10	0.42
88-75-5	2-Nitrophenol	32.3		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	67.9		5.0	0.40
99-09-2	3-Nitroaniline	28.0		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	66.4		10	2.2
101-55-3	4-Bromophenyl phenyl ether	31.4		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	33.7		5.0	0.45
106-47-8	4-Chloroaniline	25.3		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	32.0		5.0	0.35
106-44-5	4-Methylphenol	29.2		10	0.36
100-01-6	4-Nitroaniline	33.8		10	0.25
100-02-7	4-Nitrophenol	55.9		10	1.5
83-32-9	Acenaphthene	31.2		5.0	0.41
208-96-8	Acenaphthylene	32.5		5.0	0.38
98-86-2	Acetophenone	31.2		5.0	0.54
120-12-7	Anthracene	31.2		5.0	0.28
1912-24-9	Atrazine	83.4		5.0	0.46
100-52-7	Benzaldehyde	64.7		5.0	0.27
56-55-3	Benzo(a)anthracene	32.2		5.0	0.36
50-32-8	Benzo(a)pyrene	36.6		5.0	0.47
205-99-2	Benzo(b)fluoranthene	38.1		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-556151/2-A

Matrix: Water Lab File ID: V3147882.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/02/2020 22:44

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

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

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

Analysis Batch No.: 556960 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	36.8		5.0	0.35
207-08-9	Benzo(k)fluoranthene	36.2		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	31.9		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	30.6		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	32.8		5.0	2.2
85-68-7	Butyl benzyl phthalate	34.6		5.0	1.0
105-60-2	Caprolactam	28.1		5.0	2.2
86-74-8	Carbazole	32.5		5.0	0.30
218-01-9	Chrysene	31.6		5.0	0.33
84-74-2	Di-n-butyl phthalate	30.8		5.0	0.31
117-84-0	Di-n-octyl phthalate	33.4		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	37.0		5.0	0.42
132-64-9	Dibenzofuran	31.8		10	0.51
84-66-2	Diethyl phthalate	36.1		5.0	0.22
131-11-3	Dimethyl phthalate	36.2		5.0	0.36
206-44-0	Fluoranthene	32.3		5.0	0.40
86-73-7	Fluorene	33.0		5.0	0.36
118-74-1	Hexachlorobenzene	30.2		5.0	0.51
87-68-3	Hexachlorobutadiene	24.3		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	19.8		5.0	0.59
67-72-1	Hexachloroethane	23.9		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	36.1		5.0	0.47
78-59-1	Isophorone	33.1		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	32.6		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	32.7		5.0	0.51
91-20-3	Naphthalene	29.0		5.0	0.76
98-95-3	Nitrobenzene	30.7		5.0	0.29
87-86-5	Pentachlorophenol	65.4		10	2.2
85-01-8	Phenanthrene	32.3		5.0	0.44
108-95-2	Phenol	20.3		5.0	0.39
129-00-0	Pyrene	31.4		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-556151/2-A

Matrix: Water Lab File ID: V3147882.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 10/28/2020 08:42

Sample wt/vol: 250(mL) Date Analyzed: 11/02/2020 22:44

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

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

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

Analysis Batch No.: 556960 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	114		41-120
321-60-8	2-Fluorobiphenyl	109		48-120
367-12-4	2-Fluorophenol	80		35-120
4165-60-0	Nitrobenzene-d5	105		46-120
1718-51-0	p-Terphenyl-d14	111		60-148
4165-62-2	Phenol-d5	66		22-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147882.D
Lims ID: LCS 480-556151/2-A
Client ID:
Sample Type: LCS
Inject. Date: 02-Nov-2020 22:44:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0094634-014
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\8270_LVI.m
Limit Group: MB - 8270D ICAL
Last Update: 03-Nov-2020 14:44:07 Calib Date: 02-Nov-2020 20:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147878.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: schickr Date: 03-Nov-2020 14:32:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.261	6.256	0.005	98	164773	4.00	4.00	
* 2 Naphthalene-d8	136	7.346	7.346	0.000	99	660709	4.00	4.00	
* 3 Acenaphthene-d10	164	8.810	8.810	0.000	93	354673	4.00	4.00	
* 4 Phenanthrene-d10	188	10.038	10.039	0.000	97	607041	4.00	4.00	
* 5 Chrysene-d12	240	12.464	12.464	0.000	99	539021	4.00	4.00	
* 6 Perylene-d12	264	14.344	14.344	0.000	96	418604	4.00	4.00	
$ 7 2-Fluorophenol	112	5.113	5.086	0.027	94	373942	8.00	6.41	
$ 8 Phenol-d5	99	5.941	5.936	0.005	92	380847	8.00	5.24	
$ 9 Nitrobenzene-d5	82	6.737	6.737	0.000	90	520440	8.00	8.39	
$ 10 2-Fluorobiphenyl	172	8.238	8.244	-0.006	100	965079	8.00	8.69	
$ 11 2,4,6-Tribromophenol	330	9.461	9.462	-0.001	92	135653	8.00	9.14	
$ 12 p-Terphenyl-d14	244	11.358	11.358	0.000	97	1187110	8.00	8.86	
55 1,4-Dioxane	88	3.398	3.302	0.096	91	3867	8.00	0.1627	Ma
53 N-Nitrosodimethylamine	42	3.735	3.681	0.054	93	126879	8.00	4.17	
52 Pyridine	52	3.809	3.697	0.112	85	12211	16.0	0.2656	Ma
71 Benzaldehyde	77	5.882	5.877	0.005	93	761063	16.0	16.2	
72 Phenol	94	5.952	5.952	0.000	98	403216	8.00	5.07	
69 Aniline	93	5.973	5.973	0.000	97	525934	8.00	5.92	
74 Bis(2-chloroethyl)ether	93	6.026	6.026	0.000	94	457104	8.00	7.65	
75 2-Chlorophenol	128	6.080	6.075	0.005	97	440136	8.00	7.33	
261 n-Decane	57	6.128	6.117	0.011	93	421715	8.00	5.11	
78 1,3-Dichlorobenzene	146	6.213	6.208	0.005	97	418403	8.00	6.57	
77 1,4-Dichlorobenzene	146	6.277	6.272	0.005	92	420871	8.00	6.54	
79 Benzyl alcohol	108	6.384	6.379	0.005	93	313016	8.00	7.61	
73 1,2-Dichlorobenzene	146	6.406	6.406	0.000	96	423277	8.00	6.75	
82 2-Methylphenol	108	6.480	6.475	0.005	93	413059	8.00	7.45	
230 Indene	115	6.491	6.486	0.005	88	3216438	64.0	33.1	
83 2,2'-oxybis[1-chloropropane]	45	6.491	6.491	0.000	78	695665	8.00	6.89	
87 N-Nitrosodi-n-propylamine	70	6.603	6.609	-0.006	78	339475	8.00	8.16	
88 4-Methylphenol	108	6.609	6.609	0.000	73	420288	8.00	7.31	
86 Acetophenone	105	6.603	6.609	-0.006	80	624630	8.00	7.81	
89 Hexachloroethane	117	6.700	6.700	0.000	99	158037	8.00	5.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
85 Nitrobenzene	77	6.753	6.753	0.000	90	479904	8.00	7.68	
94 Isophorone	82	6.956	6.956	0.000	99	937309	8.00	8.27	
97 2-Nitrophenol	139	7.020	7.025	-0.005	97	248472	8.00	8.08	
99 2,4-Dimethylphenol	107	7.057	7.052	0.005	96	490178	8.00	8.04	
103 Bis(2-chloroethoxy)methane	93	7.127	7.132	-0.005	97	546760	8.00	7.98	
105 Benzoic acid	105	7.228	7.202	0.026	76	1355360	64.0	30.7	a
106 2,4-Dichlorophenol	162	7.228	7.228	0.000	96	377911	8.00	7.92	
100 1,2,4-Trichlorobenzene	180	7.298	7.298	0.000	95	351869	8.00	6.68	
107 Naphthalene	128	7.367	7.367	0.000	98	1218921	8.00	7.26	
108 4-Chloroaniline	127	7.405	7.405	0.000	96	426770	8.00	6.32	
115 2,6-Dichlorophenol	162	7.415	7.415	0.000	96	374963	8.00	7.91	
110 Hexachlorobutadiene	225	7.469	7.469	0.000	95	181218	8.00	6.09	
114 Caprolactam	113	7.725	7.720	0.005	77	136340	16.0	7.03	
117 4-Chloro-3-methylphenol	107	7.811	7.811	0.000	97	424789	8.00	8.42	
121 2-Methylnaphthalene	142	7.944	7.944	0.000	92	837152	8.00	7.44	
236 1-Methylnaphthalene	142	8.024	8.024	0.000	93	783448	8.00	7.47	
125 Hexachlorocyclopentadiene	237	8.078	8.078	0.000	96	160783	8.00	4.94	
124 1,2,4,5-Tetrachlorobenzene	216	8.083	8.083	0.000	98	324599	8.00	6.78	
127 2,4,6-Trichlorophenol	196	8.174	8.174	0.000	93	290290	8.00	8.69	
129 2,4,5-Trichlorophenol	196	8.211	8.206	0.005	92	272924	8.00	8.32	
130 1,1'-Biphenyl	154	8.324	8.324	0.000	96	1021900	8.00	7.69	
131 2-Chloronaphthalene	162	8.350	8.345	0.005	97	764296	8.00	7.56	
132 2-Nitroaniline	65	8.425	8.425	0.000	83	290220	8.00	8.58	
134 Dimethyl phthalate	163	8.569	8.569	0.000	99	956706	8.00	9.05	
139 1,3-Dinitrobenzene	168	8.596	8.596	0.000	85	164381	8.00	8.61	
135 2,6-Dinitrotoluene	165	8.623	8.617	0.006	94	233389	8.00	8.82	
137 Acenaphthylene	152	8.692	8.692	0.000	98	1150653	8.00	8.12	
140 3-Nitroaniline	138	8.767	8.762	0.005	93	197389	8.00	6.99	
141 Acenaphthene	153	8.836	8.836	0.000	93	810991	8.00	7.80	
142 2,4-Dinitrophenol	184	8.852	8.847	0.005	83	266528	16.0	16.2	a
143 4-Nitrophenol	109	8.901	8.895	0.006	94	240158	16.0	14.0	
144 2,4-Dinitrotoluene	165	8.954	8.954	0.000	94	308349	8.00	8.91	
145 Dibenzofuran	168	8.981	8.975	0.006	95	1060611	8.00	7.95	
147 2,3,4,6-Tetrachlorophenol	232	9.077	9.077	0.000	74	236576	8.00	8.76	
149 Diethyl phthalate	149	9.146	9.146	0.000	98	953983	8.00	9.03	
240 Hexadecane	57	9.152	9.152	0.000	91	656729	8.00	6.72	
152 4-Chlorophenyl phenyl ether	204	9.248	9.248	0.000	97	438933	8.00	8.01	
151 Fluorene	166	9.264	9.259	0.005	95	913075	8.00	8.26	
153 4-Nitroaniline	138	9.280	9.269	0.011	83	242066	8.00	8.46	
154 4,6-Dinitro-2-methylphenol	198	9.296	9.291	0.005	87	361474	16.0	16.6	
160 Diphenylamine	169	9.349	9.344	0.005	94	686171	6.84	6.98	
157 N-Nitrosodiphenylamine	169	9.349	9.344	0.005	61	686171	8.00	8.17	
158 Azobenzene	77	9.381	9.381	0.000	98	988803	8.00	8.09	
159 1,2-Diphenylhydrazine	77	9.381	9.381	0.000	95	988803	8.00	8.09	
164 4-Bromophenyl phenyl ether	248	9.654	9.654	0.000	70	253788	8.00	7.86	
168 Hexachlorobenzene	284	9.723	9.723	0.000	92	235875	8.00	7.55	
170 Atrazine	200	9.782	9.777	0.005	91	665160	16.0	20.8	
172 Pentachlorophenol	266	9.883	9.878	0.005	91	340636	16.0	16.3	
266 n-Octadecane	57	9.910	9.910	0.000	93	767419	8.00	7.64	
177 Phenanthrene	178	10.060	10.055	0.005	98	1382193	8.00	8.07	
180 Anthracene	178	10.097	10.097	0.000	99	1337351	8.00	7.79	
181 Carbazole	167	10.225	10.220	0.005	96	1138309	8.00	8.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
184 Di-n-butyl phthalate	149	10.482	10.482	0.000	99	1528546	8.00	7.71	
191 Fluoranthene	202	11.043	11.043	0.000	98	1454549	8.00	8.09	
192 Benzidine	184	11.139	11.139	0.000	99	101039	16.0	1.42	
193 Pyrene	202	11.246	11.241	0.006	95	1466617	8.00	7.85	
200 Butyl benzyl phthalate	149	11.812	11.807	0.005	98	760712	8.00	8.66	
204 3,3'-Dichlorobenzidine	252	12.410	12.405	0.005	75	892903	16.0	17.0	
206 Bis(2-ethylhexyl) phthalate	149	12.426	12.426	0.000	96	1063736	8.00	8.19	
205 Benzo[a]anthracene	228	12.453	12.448	0.005	99	1446469	8.00	8.05	
207 Chrysene	228	12.496	12.491	0.005	97	1330523	8.00	7.91	
208 Di-n-octyl phthalate	149	13.238	13.233	0.005	99	1711427	8.00	8.36	
209 Benzo[b]fluoranthene	252	13.821	13.815	0.006	98	1274581	8.00	9.53	
211 Benzo[k]fluoranthene	252	13.858	13.848	0.010	98	1232569	8.00	9.04	
213 Benzo[a]pyrene	252	14.269	14.264	0.005	79	984947	8.00	9.15	
215 Indeno[1,2,3-cd]pyrene	276	15.872	15.862	0.010	98	952576	8.00	9.03	
216 Dibenz(a,h)anthracene	278	15.894	15.883	0.011	93	822593	8.00	9.26	
217 Benzo[g,h,i]perylene	276	16.262	16.252	0.010	96	769863	8.00	9.20	
S 219 3-Methylphenol	1				0		8.00	7.31	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00203 Amount Added: 20.00 Units: uL Run Reagent

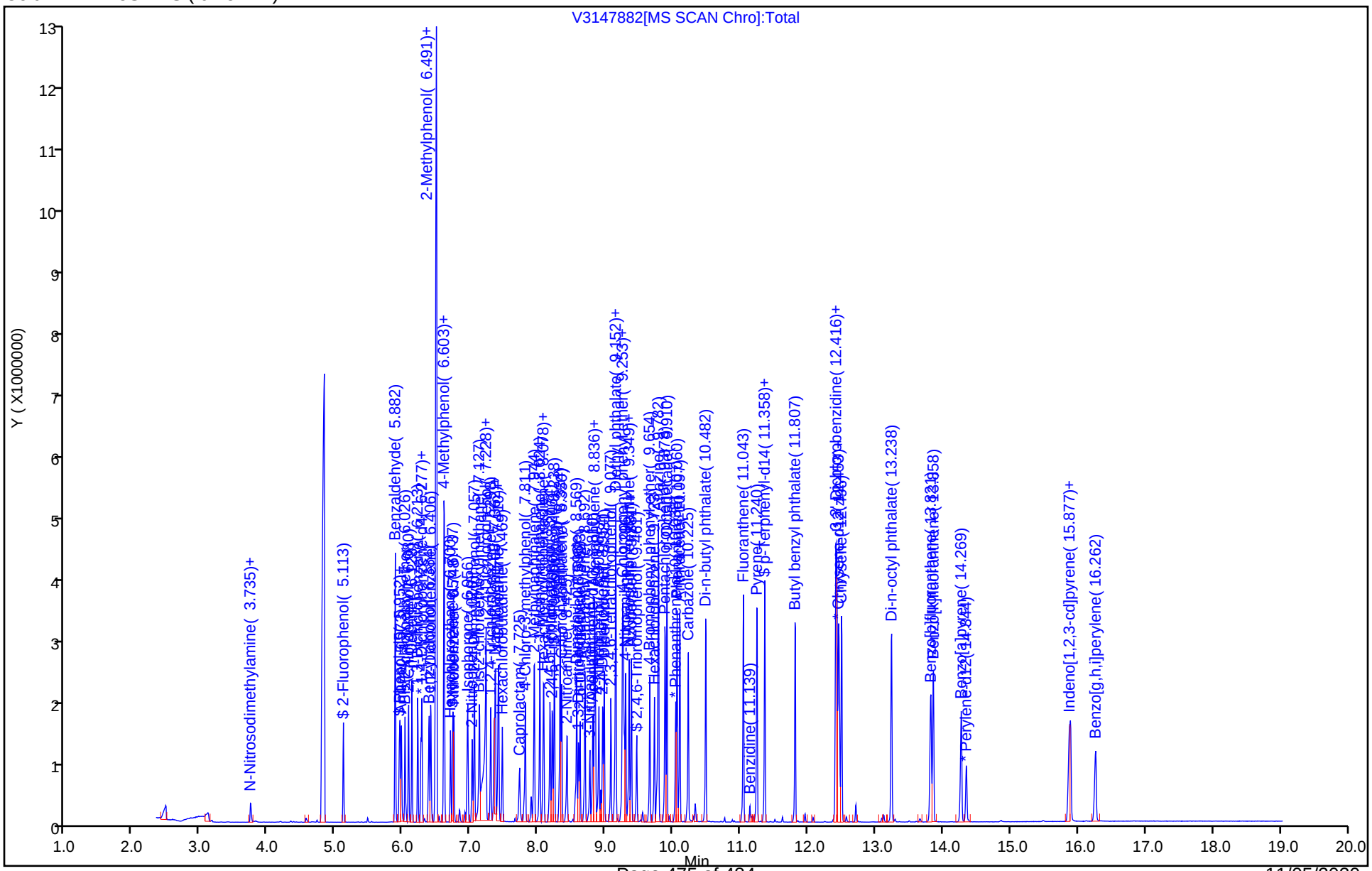
Report Date: 03-Nov-2020 14:44:21 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20201102-94634.b\V3147882.D

Injection Date:	02-Nov-2020 22:44:30	Instrument ID:	HP5973V	Operator ID:	JM
Lims ID:	LCS 480-556151/2-A			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270_LVI	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

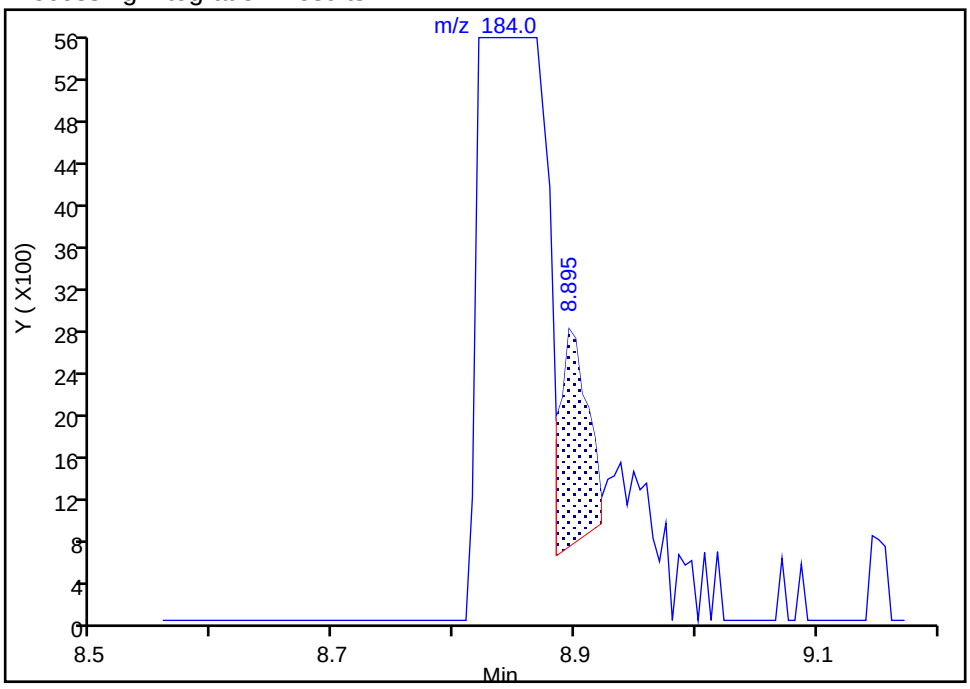
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Injection Date: 02-Nov-2020 22:44:30 Instrument ID: HP5973V
Lims ID: LCS 480-556151/2-A
Client ID:
Operator ID: JM ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_LVI Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

142 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

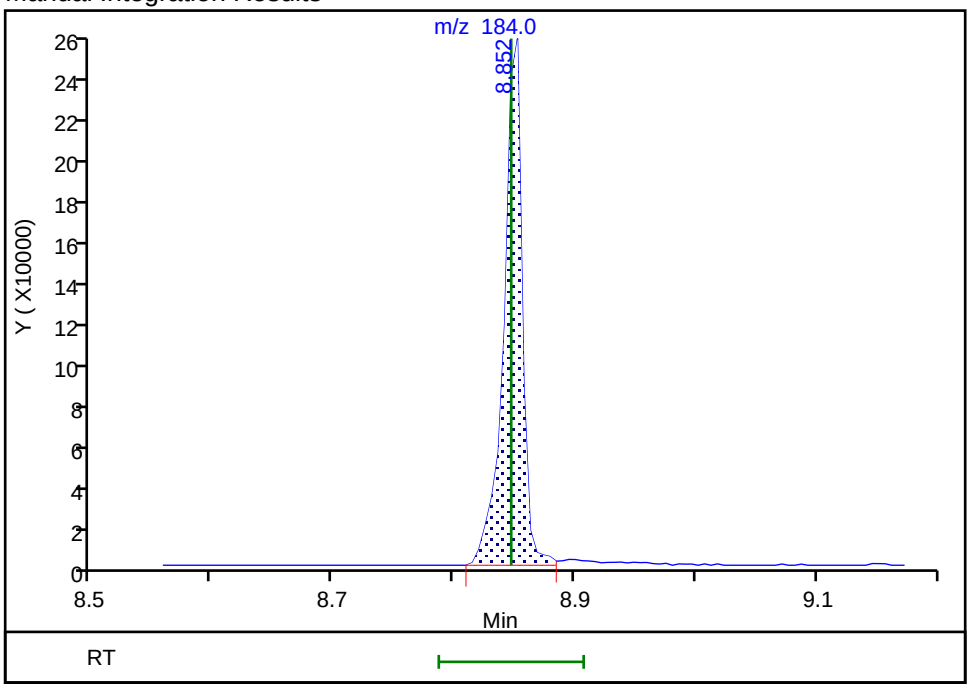
Processing Integration Results

RT: 8.90
Area: 3384
Amount: 0.812689
Amount Units: ng/uL



Manual Integration Results

RT: 8.85
Area: 266528
Amount: 16.221209
Amount Units: ng/uL



Reviewer: schickr, 03-Nov-2020 14:33:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Instrument ID: HP5973V Start Date: 11/02/2020 17:13

Analysis Batch Number: 556960 End Date: 11/03/2020 04:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-556960/2		11/02/2020 17:13	1	V3147870.D	RXI-5Sil MS 0.25(mm)
IC 480-556960/3		11/02/2020 17:40	1	V3147871.D	RXI-5Sil MS 0.25(mm)
IC 480-556960/4		11/02/2020 18:08	1	V3147872.D	RXI-5Sil MS 0.25(mm)
IC 480-556960/5		11/02/2020 18:35	1	V3147873.D	RXI-5Sil MS 0.25(mm)
IC 480-556960/6		11/02/2020 19:02	1	V3147874.D	RXI-5Sil MS 0.25(mm)
ICIS 480-556960/7		11/02/2020 19:30	1	V3147875.D	RXI-5Sil MS 0.25(mm)
IC 480-556960/8		11/02/2020 19:58	1	V3147876.D	RXI-5Sil MS 0.25(mm)
IC 480-556960/9		11/02/2020 20:26	1	V3147877.D	RXI-5Sil MS 0.25(mm)
IC 480-556960/10		11/02/2020 20:54	1	V3147878.D	RXI-5Sil MS 0.25(mm)
ICV 480-556960/11		11/02/2020 21:22	1	V3147879.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-556960/12		11/02/2020 21:49	1	V3147880.D	RXI-5Sil MS 0.25(mm)
MB 480-556151/1-A		11/02/2020 22:16	1	V3147881.D	RXI-5Sil MS 0.25(mm)
LCS 480-556151/2-A		11/02/2020 22:44	1	V3147882.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		11/02/2020 23:11	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/02/2020 23:38	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 00:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 00:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 01:00	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 01:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 01:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 02:22	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 02:50	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 03:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 03:44	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 04:12	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Instrument ID: HP5973V Start Date: 11/03/2020 05:07

Analysis Batch Number: 556964 End Date: 11/03/2020 10:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-556964/2		11/03/2020 05:07	1	V3147896.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-556964/3		11/03/2020 05:35	1	V3147897.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 06:29	1		RXI-5Sil MS 0.25(mm)
480-177111-1	MW-001	11/03/2020 06:57	1	V3147900.D	RXI-5Sil MS 0.25(mm)
480-177111-2	MW-5	11/03/2020 07:24	5	V3147901.D	RXI-5Sil MS 0.25(mm)
480-177111-3	MW-11	11/03/2020 07:51	5	V3147902.D	RXI-5Sil MS 0.25(mm)
480-177111-4	MW-13	11/03/2020 08:18	5	V3147903.D	RXI-5Sil MS 0.25(mm)
480-177111-5	MW-15	11/03/2020 08:46	1	V3147904.D	RXI-5Sil MS 0.25(mm)
480-177111-6	MW-17	11/03/2020 09:13	1	V3147905.D	RXI-5Sil MS 0.25(mm)
480-177111-7	MW-25	11/03/2020 09:40	1	V3147906.D	RXI-5Sil MS 0.25(mm)
480-177111-8	MW-28	11/03/2020 10:08	1	V3147907.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		11/03/2020 10:35	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Instrument ID: HP5973V Start Date: 11/04/2020 01:28

Analysis Batch Number: 557147 End Date: 11/04/2020 08:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-557147/2		11/04/2020 01:28	1	V3147937.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-557147/3		11/04/2020 01:55	1	V3147938.D	RXI-5Sil MS 0.25(mm)
RL 480-557147/4		11/04/2020 02:22	1		RXI-5Sil MS 0.25(mm)
CCV 480-557147/5		11/04/2020 02:50	1		RXI-5Sil MS 0.25(mm)
RL 480-557147/6		11/04/2020 03:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 03:44	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 04:12	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 04:39	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 05:07	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 05:35	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 06:02	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 06:30	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 06:58	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 07:26	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/04/2020 07:54	1		RXI-5Sil MS 0.25(mm)
480-177111-6 DL	MW-17 DL	11/04/2020 08:22	5	V3147952.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177111-1

SDG No.:

Batch Number: 556151 Batch Start Date: 10/28/20 08:42 Batch Analyst: Pollock, Jacob M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8270LL LCS 00111
MB 480-556151/1		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	
LCS 480-556151/2		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-177111-B-1	MW-001	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-177111-A-2	MW-5	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-177111-B-3	MW-11	3510C, 8270D	T	250 mL	1 mL	10 SU	<2 SU	>11 SU	
480-177111-B-4	MW-13	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-177111-A-5	MW-15	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-177111-B-6	MW-17	3510C, 8270D	T	240 mL	1 mL	10 SU	<2 SU	>11 SU	
480-177111-B-7	MW-25	3510C, 8270D	T	250 mL	1 mL	8 SU	<2 SU	>11 SU	
480-177111-A-8	MW-28	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00079	AnalysisComment				
MB 480-556151/1		3510C, 8270D		1 mL					
LCS 480-556151/2		3510C, 8270D		1 mL					
480-177111-B-1	MW-001	3510C, 8270D	T	1 mL					
480-177111-A-2	MW-5	3510C, 8270D	T	1 mL					
480-177111-B-3	MW-11	3510C, 8270D	T	1 mL					
480-177111-B-4	MW-13	3510C, 8270D	T	1 mL					
480-177111-A-5	MW-15	3510C, 8270D	T	1 mL					
480-177111-B-6	MW-17	3510C, 8270D	T	1 mL	Contains some sediment				
480-177111-B-7	MW-25	3510C, 8270D	T	1 mL					
480-177111-A-8	MW-28	3510C, 8270D	T	1 mL					

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, Buffalo Job No.: 480-177111-1

SDG No.:

Batch Number: 556151 Batch Start Date: 10/28/20 08:42 Batch Analyst: Pollock, Jacob M

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid Used for pH Adjustment ID	5836426
Base Used to Adjust pH ID	6104719
Analyst ID - Concentration	JP, VF
Analyst ID - Extraction	JP
Method/Fraction	3510C_LVI/8270D
Na2SO4 ID	6069462
Prep Solvent ID	6193472
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	JP
Analyst ID - Spike Witness Analyst	JP
Sufficient Volume for Batch QC	Yes
Vial Lot Number	00259742

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Bryan Hawn/Zack Robison	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-152019-33801.1
Client Contact: Todd Waldrop	Phone: 716-870-1165	E-Mail: Brian.Fischer@Eurofinset.com		Page: Page 1 of 1
Company: Inventum Engineering LLC				Job #:
Address: 481 Carlisle Dr Suite 202	Due Date Requested:			
City: Herndon	TAT Requested (days):			
State, Zip: VA, 20170				
Phone:	PO #: Purchase Order not required			
Email: todd.waldrop@inventumeng.com	WO #:			
Project Name: 480 Ellicott St - 2020	Project #: 48022902			
Site:	SSOW#:			

Analysis Requested

480-177111 Chain of Custody

Preservation Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
K - EDTA
L - EDA
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - TCL SVOA - OLM04.2	8260C - TCL list OLM04.2	Total Number of containe	Special Instructions/Note:
			Preservation Code:				N	A		
MW-001	10/23/2020	11:00	G	Water			2	3	5	
MW-5		13:01		Water						
MW-11		11:45		Water						
MW-13		10:37		Water						
MW-15		11:20		Water						
MW-17		10:08		Water						
MW-25		9:44		Water						
MW-28		9:24		Water					1	
Trip Blank		—		Water				2	2	
				Water						
				Water						

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/23/20 1455	VHL		10/23/20 1445	TA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.0 #1 ICE

Ver: 01/16/2019

11/05/2020

Login Sample Receipt Checklist

Client: Inventum Engineering LLC

Job Number: 480-177111-1

Login Number: 177111
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.0 #1 ICE
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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	